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ASSESSMENT REPORT FOR THE DIAMOND DRILLING ON THE CANADIAN KIRKLAND PROPERTY OF CANADIAN MALARTIC CORPORATION, LEBEL TOWNSHIP, DISTRICT OF TIMISKAMING

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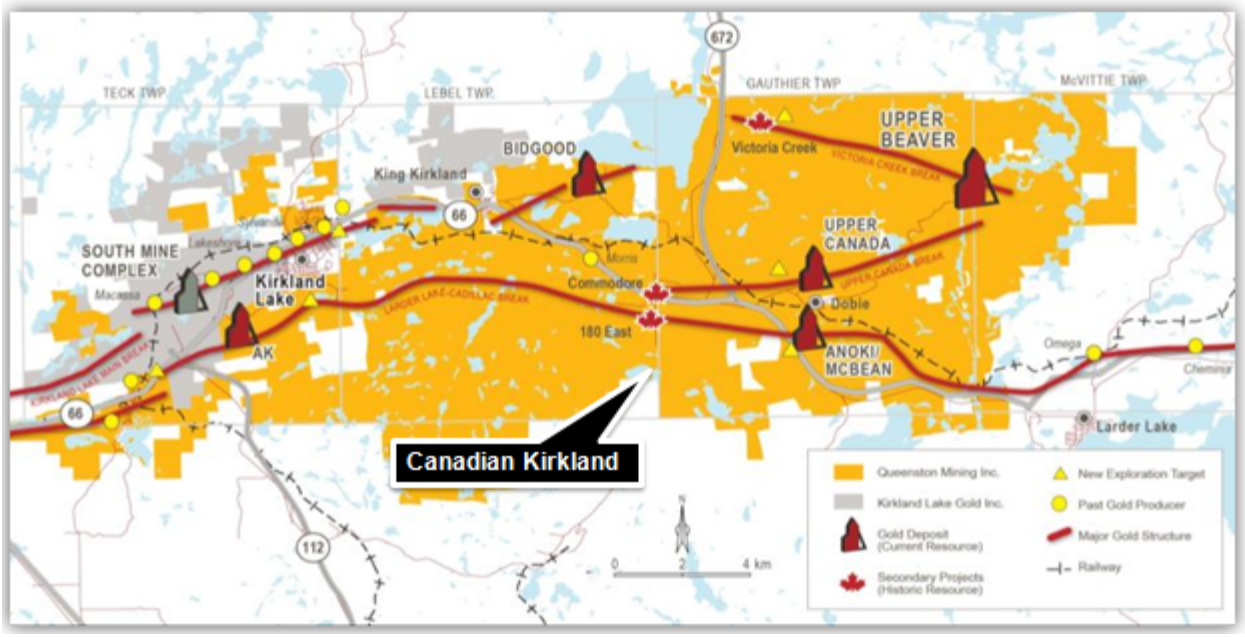
Introduction

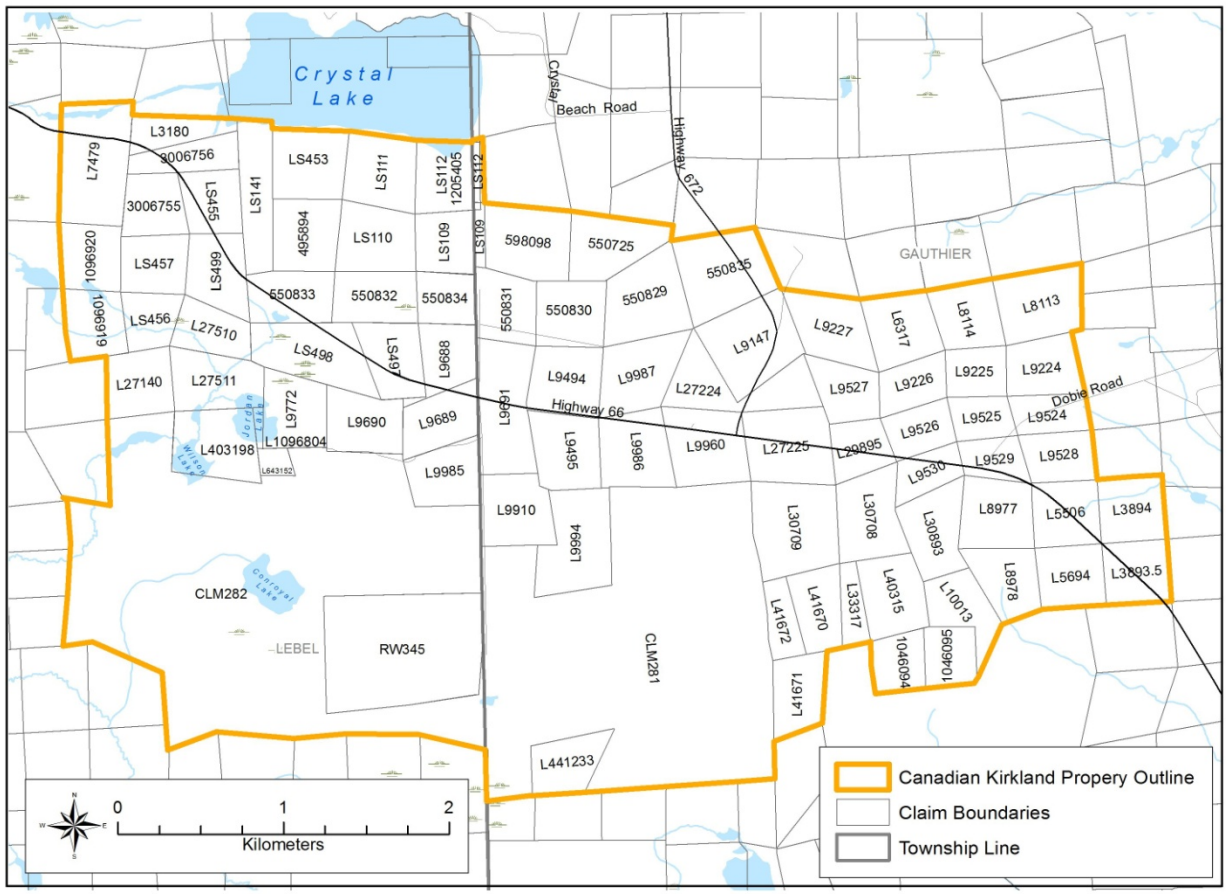
The Canadian Kirkland (CK) property comprises 133 claim units in east central Lebel and west central Gauthier Townships (Figs 1 & 2). The property contains a mix of claims comprising: 36 with patented surface and mining rights; 27 with patented mining rights only; 16 unpatented single unit claims; and, 5 lease claim blocks comprising 54 units. The majority of the leased claims are leased for mining rights only with two claim units in Lebel Township (lease 107125), and, one claim in Gauthier Township (lease 105114) being leased for mining rights and surface rights. Claim specifics are detailed in Appendix I. The following sections are modified after a report on all of the former Queenston Mining Inc properties by Alexander (2007).

Figure 1: Canadian Kirkland- Regional Location Plan



The core of the Canadian Kirkland (CK) property is formed by the former Munro property, so named because it overlies the central portion of the Munro Esker. The CK property is contiguous with, and incorporates portions of, the Cunningham claims (west), the Lebel Stock property (southwest), the Upper Canada property (northeast), the Commodore property (north) and, the Anoki-McBean property (east). The property is covered by a virtual grid system trending due north roughly centred on the Lebel / Gauthier Township line which is referenced as grid line 2700E (based on UTM 582700E). Some of the mineralized zones are identified by their former Canico grid coordinates such that the 180 East Zone is 2,000 ft (610 m) west of the Township line in Lebel Township, while the 240 East zone is 4,000 ft (1,220 m) east in Gauthier Township.

Figure 2: Canadian Kirkland- Claim Location Plan



Access

Highway 66 cuts the north part of the claim group with ready access southward via two main roads, a well maintained, municipal road along the Lebel / Gauthier Township line that leads to the Kirkland Lake Landfill Site (within the claim group), and, a bush road in the east part of the property that extends southward to Mousseau Lake and some actively logged areas. There are also a number of cottage roads, drill roads and trails leading from the Township line west and south into Lebel Township.

As mentioned above, the core of the group, the former Munro property derives its name from the Munro Esker, a 3 to 5-km wide sand plain which overlies a high proportion of the claim group. In certain areas, the sand plain reaches depths in excess of 120 m. Other than a few scattered exposures in the northern and western reaches of the claim group, outcrop is absent. The northern margin of the group has been recently logged while the central portion in the southwest quadrant formed by the junction of the Kirkland Lake landfill site road, and the Jordan Lake cottage road, was harvested in the spring of 2014, during the drilling campaign.

The balance of the land is covered by clean stands of jack pine over the Esker complex with additions of poplar, birch and spruce in areas of more variable topography further west. Overall, the crest of the esker forms a prominent ridge although local topographic relief is minimal, varying from 10 to 20 m.

The CK property hosts five mineralized zones identified as 180 East, Biroco, Esker, Commodore and 240 East. The 180 East Zone is centered along line 180+00 E in Lebel Township and is the only feature with a historical mineral resource. The Biroco Zone straddles the Gauthier / Lebel Township boundary, while the Esker and 240 East zones are in Gauthier Township and the Commodore property is in Lebel Township (Fig. 3).

Past History

The history of work performed on the AK Group is summarized as:

1940-44: Erin Kirkland Mines; 5 drill holes (1,647 m), holes 1, 2, 7, 8, 10 as part of a larger 10- hole program extending onto the Cunningham claims.

1944-50: Biroco Kirkland Mines; north part of claim group; geophysical surveys, 24 drill holes, Biroco Zone discovered (6 holes drilled), Esker Zone indicated by visible gold in drill hole B24 (no assays available).

1950- 51: Mining Corp; 25 drill holes on the Commodore claims

1976-89: Canico (option); geophysical surveys (mag and IP), mapping, reverse circulation drilling and extensive diamond drilling; 15 drill holes on Biroco Zone; IP response tested in 1979, discovering Esker Zone - 18 drill holes on Esker Zone; 180 East Zone discovered by cross-sectional drilling away from Biroco zone in 1988 - 25 drill holes (5,905.26 m); 240 East Zone discovered by cross-sectional drilling in 1988 - 6 drill holes in total on the 240 East Zone; additional stratigraphic drilling and testing of geophysical targets.

1995- 1997, W.A. Hubacheck Consultants Limited (on behalf of Sudbury Contact Mines Limited) line-cutting, magnetic, very low frequency electro-magnetic and IP geophysical surveys, geological mapping and prospecting, 28 diamond drill holes totalling 5767m (18,920') on the Commodore claims.

1996-2001: Queenston Mining Inc. (QMI) – Franco-Nevada joint venture; geophysical surveys (mag, VLF, IP), mapping; 13 drill holes (5,445 m).

2002-06: QMI; 2 phases diamond drilling, 4 holes (2,360 m) in 2002; 4 holes (1,789 m) in 2005.

2012- 13: In December 2012, QMI was taken over by Osisko Mining Ltd. (OSK) who performed the current assessment drilling on the claims in 2013;

2014: In June of 2014, the assets of OSK were acquired by Canadian Malartic Corporation owned 50/ 50 by Agnico Eagle Mines Ltd and Yamana Gold Inc.

There is no past production on the CK claims.

Mineral Resources:

The 180 East Zone in eastern Lebel Township is the only zone with an historical mineral resource. RPA (1996) reviewed a 1989 resource calculation by Inco Exploration and Technical Services on the 180 East Zone of 326,587 t grading 4.11 g/t, based on a minimum thickness of 3 m, and, a cutoff grade of 3.3 g/t. RPA (1996) classified the resource as indicated since it was defined by diamond drilling, but felt that the mineralization had a limited depth extent and limited economic potential due to its shallow dip and overburden cover.

The east part of the 180 East Zone extends to the bedrock surface under 30 to 55 m of overburden. The resource is derived from nine drill holes. It is 183 m by 91 m in size, and, up to 13.7 m thick. The zone dips at 15 degrees southwest, has a flat plunge of 35 degrees northwest, and, is open to the west, southwest and east (Inco Exploration and Technical Services, 1990). The resource is considered historic. It is not conformable to NI 43-101 and should not be relied upon as it has not been verified by a Qualified Person.

Property Geology and Mineralization:

The geology of the Munro property is not well understood given that the density of drill holes is considerably less in this area, and, most of the claims are covered by up to 100 m of sand and gravel related to the Munro Esker. Much of the geology is summarized from a report by Alexander (2007).

The south part of the claim group is presumed to be cut by the Cadillac-Larder Lake Break (CLLB) which is generally interpreted as striking easterly and dipping south in this area (Fig. 3). Historically, it has been described as separating Timiskaming assemblage alkali volcanics and sediments (north) from older Tisdale assemblage mafic to ultramafic volcanics with units of iron formation (south). In the current drilling, all holes intersecting the contact between the Timiskaming trachyte- sedimentary suite and the ultramafic package were devoid of any major faulting or structure of any kind. The transition appears conformable with trachytes and komatiites becoming interbedded and no evidence of the CLLB.

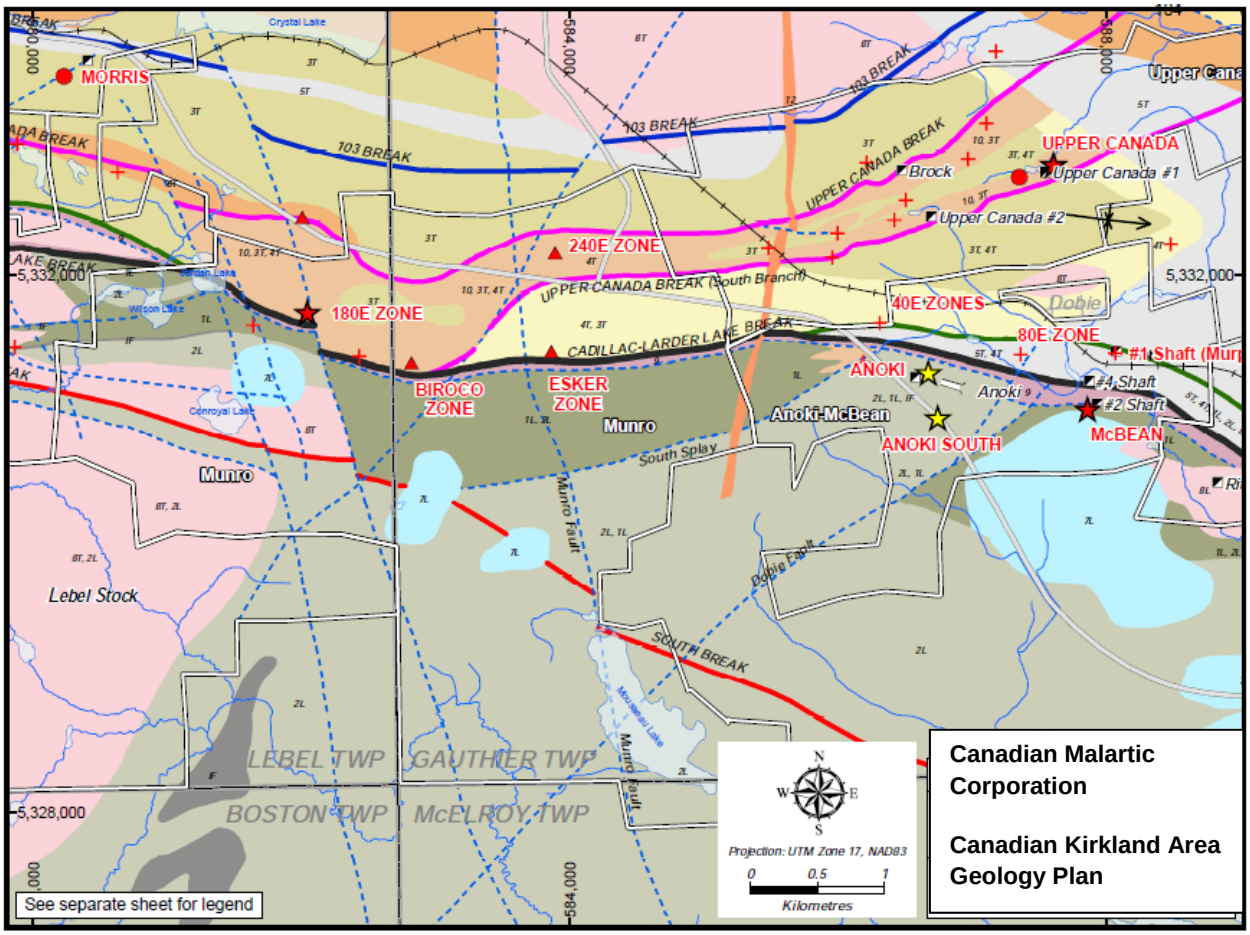
The western and southern portions of the group are affected by the Lebel Stock. Reverse circulation drilling indicates a relatively broad corridor of syenite and contact metamorphosed Tisdale assemblage rocks along the southern limits of the property in Lebel Township. Dioritic to gabbroic intrusives are also noted in this sector from the reverse circulation drilling and later diamond drilling results. This is also the host environment to the South Break.

The South Break occurs some 1,100 to 1,400 m south of the Cadillac-Larder Lake Break. It trends east-southeasterly from the Cunningham lands and extends off the property near the northern end of Mousseau Lake in southern Gauthier Township. The South Break was first interpreted from magnetic and VLF-EM surveys in consort with the reverse circulation drilling on the Munro claims. It was tested by one hole (MU-01-15) on the Munro property in 2001 after the drilling of three holes on the Cunningham lands. The break was defined by south-dipping, strongly deformed and gouged mafic and ultramafic rocks. Only the base of the break (12 m) was tested via hole MU-01-15. It was followed by 29 m of strongly altered, deformed and mineralized syenite but gold values were low.

The western part of the property, from the Lebel / Gauthier township line westward, is cut by a series of north-northwest trending cross faults (Fig. 3) which seriously hamper correlation between the widely spaced drill holes. The regional Cadillac-Larder Lake Break and South Break features strike east-southeasterly and are displaced in a right-handed lateral sense by the cross faults. the Upper Canada Break is indicated east of the cross faulting on the Munro property, splaying northeastwards at 75˚ from the Cadillac-Larder Lake Break.

A more prominent cross fault, labelled the Munro Fault is located between the Esker and Biroco mineralized zones (Fig. 3). It similarly has a right-handed lateral sense of displacement and correlates with a valley in the Esker sand plain. Drilling has confirmed a bedrock depression (up to 170m down hole length) within the fault zone which is also accompanied by an ultramafic (possible diabase) dike.

Figure 3: Canadian Kirkland Area Geology Plan



To date, the main zones of mineralization on the Munro property are all located within the alkalic assemblage of Timiskaming age rocks north of the ultramafic contact. The 180 East Zone occurs on the gently dipping south limb of a fold structure. The zone strikes northwest with a flat dip to the southwest, and, a flat, northwesterly plunge. Mineralization is largely confined to a series of highly altered, brecciated and mineralized, massive trachyte flows that grade into a thicker package of flow banded trachyte flows, tuffs and agglomerate and finally into a more sedimentary to volcaniclastic package of gritty tuffs, lapilli tuff, wackes and conglomerates further to the north. Southward, as mentioned, the trachyte flow unit is in conformable contact with what has been formerly considered to comprise Tisdale assemblage ultramafic komatiites. Mineralization within 180 East Zone occurs as a 5 to 7% disseminated mix of fine dusty pyrite along with coarser, streaky to fracture controlled material. Veining is present but appears to be of lesser importance.

The orange red trachyte host has undergone some degree of early potassium metasomatism and sericitization followed by slightly later ankeritization and silicification that appears to be related to the mineralizing event. Ankerite, silica and pyrite (+/-hematite) are present in the mineralized zones versus calcite and magnetite which occur in the less altered Timiskaming volcanics.

The geology of the Biroco Zone is most like the adjacent 180 East Zone stratigraphy, however, the relationship between these two systems is complicated by cross faulting. Similar to the 180 East Zone, the Biroco system is also characterized by early potassium metasomatism and sericitization followed by slightly later ankeritization, silicification and mineralization of the trachyte flows. The broad mineralized zones on the Biroco property are characterized by strong alteration, fracturing to brecciation, and, 5 to 10% sulphides. Again, like the 180 East Zone, better gold values are most commonly related to elevated pyrite contents where there is a mix of fine dusty pyrite and coarser material as grains, blebs and fracture fillings. Chalcopyrite and molybdenite are locally present in the higher grade portions.

The Esker Zone occurs within a package of Timiskaming trachyte flows, tuffs and mafic tuffs just east of the north-trending, Munro cross fault that separates the Esker Zone stratigraphy from the Biroco rocks. Two zones are recognized (north and south), both associated with sulphide-rich, magnetite-depleted corridors in moderate to strongly magnetic rocks. The zones strike east to east-northeast and dip steeply south and are 60 to 120 m apart. The south zone is located within trachyte flows and tuffs above a broad zone of mafic tuff and is associated with magnetite depletion, Mineralization is characterized by 3- 5% pyrite content accompanied by ankerite alteration and bleaching within spotted (pseudoleucite) trachyte flows and tuffs and minimal veining.

The north zone is associated with elevated carbonate (both ankerite and calcite) and pyrite in the dark, amphibolitic, mafic tuff member that dominates the Esker Zone stratigraphy. The north zone is more anonymous in appearance given that pyrite contents are only slightly elevated and carbonate alteration is weak to moderate. Scattered fine flecks of visible gold have been noted in the north zone, and again, veining is minimal.

The 240 East Zone was discovered by Canico in 1988 through sectional drilling in the northwest-southeast orientation. The object of the drilling was to test the westward extension of a break system from the Upper Canada property onto the Munro Group. The initial hole intersected 4.56 g/t gold over 7.04 m, however, four drill holes bracketing the mineralized interval encountered mineralization but no continuity to the zone. Mineralization occurs as 1 to 8% disseminated to streaky and fracture-controlled pyrite in the trachytic host rocks which are orange stained and potassic, ankeritic and sericitic altered.

2014 Diamond Drill Program

The drill program was conceived in early January of 2014 with the first hole collared on Jan 23, 2014 and accelerating the program within the week. Drilling with up to 6 drills continued to August 17, 2014 by which time 93 holes (or partial holes) were completed aggregating a total of 43,358m. The purpose of the program was to follow up on earlier results by Canico and Queenston to try to determine the geological controls of the 180E, Biroco, Esker and 240E mineralization and to try to work out the geometry and interrelationships of the various mineralized zones. Ultimately, the objective was to examine the possibility that the Canadian Kirkland (Munro) mineralized zones could be combined into a bulk mining scenario.

Collar details are summarized in Table 1 and the drill hole locations are displayed in Figure 4 which is included at the end of the report with the Appendices.

TABLE 1: Drill Hole Collar Data Summary

Hole ID	Easting	Northing	Elevation	Azimuth	Dip	Depth
MU14_25	582808.8	5331454	344.456	180	-50	401
MU14_26	582808.9	5331454	344.43	180	-62	501
MU14_27	582859.4	5331421	343.813	180	-50	459
MU14_28	582859.3	5331421	343.967	180	-65	438
MU14_29	582813	5331414	343.742	180	-50	447
MU14_30	582812.4	5331418	343.787	0	-55	498
MU14_31	582924.3	5331531	340.887	180	-55	498
MU14_32	583265.3	5331540	339.725	0	-50	576
MU14_33	582763.4	5331419	344.413	180	-55	478
MU14_34	582716.7	5331394	344.346	180	-55	411
MU14_35	583054.7	5331522	339.643	180	-50	612
MU14_36	583057.4	5331507	338.803	0	-50	98
MU14_36A	583057.4	5331507	338.803	0	-50	147
MU14_36B	583057.4	5331483	338.803	0	-50	429
MU14_37	583264.5	5331535	339.602	180	-55	54
MU14_37	583264.5	5331535	339.602	180	-55	456
MU14_38	582743.1	5331402	344.104	0	-50	495
MU14_39	583190.6	5331489	337.769	180	-50	464
MU14_40	583187.5	5331446	338.593	0	-50	534
MU14_41	583378.2	5331444	338.548	0	-50	471
MU14_42	583384.7	5331500	337.371	180	-50	507
MU14_43	582998.8	5331582	339.593	0	-50	504
MU14_44	582998.5	5331579	339.661	180	-50	503
MU14_45	582355.5	5331781	343.294	180	-50	495

MU14_46	582416.8	5331739	343.742	0	-50	423
MU14_47	582714.5	5331389	344.062	210	-50	483
MU14_48	582714.4	5331391	344.037	330	-50	543
MU14_49	583200.2	5331241	337.296	0	-50	465
MU14_50	583184.5	5331646	343.841	0	-50	489
MU14_51	583407	5331218	342.145	0	-50	549
MU14_52	583382.1	5331651	344.294	0	-50	413
MU14_53	582993	5331236	341.133	0	-50	426
MU14_54	583092.9	5331163	338.008	0	-50	465
MU14_55	582980.4	5331818	342.563	0	-50	453
MU14_56	582561.8	5331833	343.491	180	-50	408
MU14_57	582577	5331643	343.702	180	-50	510
MU14_58	582714.7	5331211	345.899	225	-75	603
MU14_59	582709.6	5331208	345.973	330	-50	185
MU14_59A	582709	5331209	345.909	330	-50	678
MU14_60	582948.2	5331984	337.195	0	-50	438
MU14_61	583203.2	5331848	344.744	0	-50	498
MU14_62	583124	5331585	339.653	180	-50	450
MU14_63	582571.6	5331550	344.367	180	-50	522
MU14_64	582571.6	5331551	344.361	210	-50	599
MU14_65	582803.8	5331633	345.063	0	-50	426
MU14_66	582802	5331842	341.772	0	-50	459
MU14_67	583126.5	5331661	343.84	220	-50	507
MU14_68	583402.7	5331853	337.493	0	-50	453
MU14_69	583386.2	5332068	339.403	0	-50	507
MU14_70	583522.3	5331604	336.461	180	-50	564
MU14_71A	583399.2	5331398	337.618	60	-50	555
MU14_72	583585.2	5331833	326.708	0	-50	166
MU14_73	582678.7	5332016	342.849	0	-50	462
MU14_74	582678.2	5332013	342.858	180	-50	413
MU14_75	582400.6	5332090	337.483	0	-50	525
MU14_76	582400.9	5332094	337.398	180	-50	540
MU14_77	583589.4	5332023	330.555	0	-50	417
MU14_78	582405.9	5331490	341.941	0	-50	420
MU14_78A	582405.9	5331483	341.898	180	-50	749
MU14_79	582299.1	5331545	341.892	180	-50	459
MU14_80	582300	5331546	341.876	225	-50	873
MU14_81	583399.1	5331397	337.588	210	-50	507
MU14_82	583400	5331600	343.294	50	-50	438
MU14_83	583403.3	5332253	340.659	0	-50	566
MU14_84	582091.3	5331836	341.591	180	-50	444

MU14_85	582091.1	5331840	341.42	0	-50	654
MU14_86	583176	5332075	333.602	0	-50	420
MU14_87	583400.9	5332251	340.17	45	-50	408
MU14_88	582028.2	5332188	340.627	0	-50	462
MU14_89	582402.9	5331484	341.776	210	-50	449
MU14_90	583402.8	5332248	341.94	330	-50	465
MU14_91	582127.7	5332171	342.647	0	-50	633
MU14_92	583398.1	5331601	343.304	205	-50	300
MU14_93	583376.8	5331651	344.404	205	-50	462
MU14_94	582076.3	5332059	346.433	0	-50	432
MU14_95	584916.9	5331989	349.118	345	-50	666
MU14_96	584918.1	5331985	349.007	165	-50	468
MU14_97	582806.1	5331199	343.604	0	-50	675
MU14_98	582388.2	5331198	340.425	0	-50	513
MU14_99	582289	5331204	340.215	0	-50	483
MU14_100	584000	5331302	355.972	0	-60	495
MU14_101	583949.7	5331362	356.722	0	-50	375
MU14_102	584864.7	5332200	348.846	345	-50	663
MU14_103	582900	5331300	343.842	0	-50	426
MU14_104	582756	5331141	343.675	0	-60	509
MU14_105	582650.1	5331134	343.813	0	-60	642
MU14_106	582399.9	5331377	341.552	0	-55	303
MU14_107	582199.9	5331597	338.763	0	-65	318
MU14_108	582139.6	5331797	341.842	0	-60	300
MU14_112	582500.1	5331119	341.436	0	-55	429
MU14_113	582806.2	5331110	344.09	0	-67	471
MU14_114	582905.7	5331152	343.342	0	-67	414

Core logging, Sampling and Assaying Procedures

After being recovered from the tube, the core is placed in wooden boxes by the drillers. The boxes are wired or taped shut and picked up by CMC technicians at the drill site or delivered by the drill contractor to the core-logging facility at the former Upper Canada mine site.

Core logging protocol by CMC geologists is summarized as follows:

The core is first measured to check that the driller's metre blocks are correct and then the footage measurements marked at the start and end of each box. Any lost or ground core, and zones of poor RQD (i.e. <75%) are noted in the logs. Most of the holes are also RQD logged by a technician for possible engineering purposes.

The core is logged in detail and recorded in a digital format using the "Geotic" logging program. Special attention is given to alteration, mineralization, and structural information. In the case of the Canadian Kirkland core, all holes are sampled from top to bottom with the sample intervals marked on the core by the geologist and sample tickets inserted.

Depending on the lithology, alteration and mineralization, sample widths may vary but generally, average 1m. The sample numbers, and “from- to” distances are entered on the drill logs along with estimates of the percentage of quartz-carbonate veining, percentage pyrite, and any special veining or structural features.

The samples are then cut in half by CMC technicians using a diamond core saw. Half the core is placed in a plastic bag with a sample ticket and the other half is put back in the box with a duplicate sample ticket at the end of the sampled interval. Samples containing visible gold are flagged and the core cutter is advised to take special care to clean the saw blade after cutting the potentially high grade sample in order to avoid contamination of the next sample. The assay lab is also advised of visible gold samples, with a blank inserted behind the VG bearing sample to avoid batch contamination.

Metal tags with the hole number and the depth of hole for the contained core interval are nailed to the ends of the core boxes and the boxes stored in outside racks or pallets within a fenced yard for future reference. The cut samples are placed in plastic fibre (rice) bags, a lab work order is prepared, and the samples are picked up and delivered by truck to the ALS Minerals processing facility in Sudbury and the pulps transported to their lab in Val d’Or for final analysis.

As mentioned, the primary lab for the Canadian Kirkland samples was ALS Minerals.

All samples were assayed by geochemical methods using atomic absorption spectrometer for Au ppb (1AT). Samples assaying equal or greater than 1 g/t Au were re-assayed with gravimetric finish using a second pulp from the reject.

Significant Assays

The following Table 2 summarizes the significant assays returned from the drill holes.

Table 2: Table of Canadian Kirkland Drilling Significant Assays

MUNRO BIROCO 2014 - SIGNIFICANT ASSAYS							
Hole Number	**Depth (m)**	**Section**	**From**	**To**	**Width (m)**	**Value g/t**	**Comments**
MU14_25	400		36.00	110.00	74.00	0.25	
			110.00	211.60	101.60	0.99	
			211.60	243.00	31.40	0.25	
			243.00	275.00	32.00	1.82	
			275.00	306.00	31.00	1.04	
		or	36.00	306.00	270.00	0.81	
		or	110.00	306.00	196.00	1.02	
MU14_26	501		83.00	105.00	22.00	0.59	
			279.00	284.00	5.00	5.47	
		or	29.00	290.00	257.40	0.32	
MU14_27	459		45.45	409.00	363.55	0.36	
		incl	52.00	85.00	33.00	0.46	
		&	138.00	164.00	26.00	1.66	
		&	243.70	298.00	54.30	0.46	
MU14_28	438		39.60	255.00	215.40	1.52	
		incl	39.60	162.85	123.25	2.42	
		&	211.00	226.00	15.00	1.01	
MU14_29	447		65.00	382.00	317.00	0.38	
		incl	68.00	86.00	18.00	1.61	
		or	65.00	118.00	53.00	0.80	
		&	284.00	290.00	6.00	1.04	
MU14_30	498		32.00	241.00	209.00	0.34	
		incl	77.00	98.00	21.00	1.08	
		&	104.00	119.00	15.00	0.55	
		&	223.80	241.00	17.20	0.68	
MU14_31	498		144.00	167.00	23.00	0.64	
			289.00	308.00	19.00	0.45	
			359.00	369.00	10.00	0.40	
MU14_32	575		45.00	56.00	11.00	4.75	
		incl	48.00	49.00	1.00	24.70	
MU14_33	478		204.00	309.00	105.00	1.41	

MU14_34	411		46.00	54.00	8.00	3.21	
			87.00	108.00	21.00	1.17	
			195.00	274.00	79.00	0.82	
MU14_35	612	583054	53.00	115.00	62.00	1.03	
			279.00	295.00	16.00	0.54	
MU14_36	98	583054	48.75	59.00	10.25	0.47	
MU14_36A	144	583054	48.00	57.00	9.00	0.69	
			139.00	146.70	7.70	1.05	
MU14_36B	429	583054	85.00	88.00	3.00	1.22	
MU14_37	456	583264	46.20	74.50	28.30	0.61	
			134.00	145.00	11.00	0.50	
MU14_38	495	582752	42.00	55.90	13.90	0.45	
			81.00	108.00	27.00	0.67	
MU14_39	464	583190	54.00	146.00	92.00	0.68	
			281.00	327.00	46.00	0.45	
			364.00	372.00	8.00	1.16	
MU14_40	534	583190	58.00	154.10	96.10	0.71	
		incl	68.00	90.00	22.00	1.32	
MU14_41	471		N	S	V		
MU14_42	507		N	S	V		
MU14_43	504	58300	N	S	V		
MU14_44	502	58300	20.00	28.00	8.00	0.71	
			202.50	211.50	9.00	1.04	
			349.50	352.50	3.00	1.86	
			409.50	411.00	1.50	11.60	
MU14_45	495	582350	N	S	V		
MU14_46	423	582417	N	S	V		
MU14_47	441	582716	49.50	111.00	61.50	0.66	
		incl	49.50	82.50	33.00	0.84	
			145.50	160.50	15.00	0.86	

			234.00	294.00	60.00	0.48	
MU14_48	543	582716	60.00	94.50	34.50	0.79	
MU14_49	468	583200	126.00	147.00	21.00	0.31	
			249.00	276.00	27.00	3.32	
		incl	252.00	259.50	7.50	11.11	
			294.00	303.00	9.00	0.95	
MU14_50	488	583184	300.00	309.00	9.00	0.80	
MU14_51	549	583407	N	S	V		
MU14_52	411	583380	N	S	V		
MU14_53	423	582993	118.50	172.50	54.00	0.71	
		incl	136.50	148.50	12.00	1.52	
MU14_54	465	583092	199.50	214.50	15.00	0.39	
MU14_55	453	582980	46.50	67.50	21.00	0.31	
MU14_56	407.5	582562	N	S	V		
MU14_57	510	582577	486.53	501.00	14.47	0.93	
MU14_58	603	582710	273.00	289.50	16.50	0.48	
MU14_59	184.5	582710	76.50	93.00	16.50	0.59	
			156.00	184.50	28.50	1.14	
		incl	157.50	169.50	12.00	1.47	
					0.00		
MU14_59A	666	582710	76.50	82.50	6.00	0.61	
			159.00	216.00	57.00	0.46	
		incl	160.50	169.50	9.00	1.45	
					0.00		
MU14_60	438	582948	N	S	V		
MU14_61	498	583203	121.50	123.00	1.50	1.20	
MU14_62	450	583124	64.50	65.53	1.03	1.17	
			140.90	168.00	27.10	0.60	
		incl	163.65	168.00	4.35	2.14	
			225.00	226.50	1.50	1.43	
					0.00		
MU14_63	522	582572	256.50	415.50	159.00	0.54	

		incl	256.50	265.50	9.00	1.06	
		&	282.00	298.50	16.50	0.88	
		&	345.00	351.00	6.00	1.81	
		&	393.00	415.50	22.50	0.82	
		with	393.00	402.00	9.00	1.27	
			481.50	483.00	1.50	3.38	
MU14_64	599	582572	280.50	282.00	1.50	1.06	
			463.50	466.50	3.00	1.52	
			502.50	531.00	28.50	0.97	
		incl	502.50	519.00	16.50	1.47	
					0.00		
MU14_65	426	582804	N	S	V		
MU14_66	459	582801	N	S	V		
MU14_67	504	583125	N	S	V		
MU14_68	450	583402	N	S	V		
MU14_69	507	583390	N	S	V		
MU14_70	563	583525	399.00	411.00	12.00	0.76	
					0.00		
MU14_71A	428	583400	N	S	V		
MU14_72	166	583580					abandoned in OVB
MU14_73	462	582677	N	S	V		
MU14_74	413	582677	N	S	V		
MU14_75	522	582679	N	S	V		
MU14_76	540	582678	N	S	V		
MU14_77	417	583575	N	S	V		
MU14_78	420	582406	N	S	V		
MU14_78A	749	582406	41.50	462.50	421.00	0.53	
		incl	112.00	149.50	37.50	0.39	
		&	211.00	310.00	99.00	1.20	
		with	211.00	218.00	7.00	5.75	
		&	238.00	253.00	15.00	1.56	
			394.00	422.00	28.00	0.70	

MU14_79	459	582300	40.00	54.00	14.00	0.30	
			382.50	454.50	72.00	0.44	
		incl	382.50	394.50	12.00	0.78	
					0.00		
MU14_80	873	582300	41.00	76.50	35.50	0.52	between 180E & Biroco
			745.50	747.00	1.50	1.87	
MU14_81	507	583400	322.50	355.50	33.00	0.43	
MU14_82	566	583400	N	S	V		
MU14_83	566	583176	N	S	V		
MU14_84	444	582095	33.00	70.50	37.50	0.46	
			102.00	103.50	1.50	1.06	
			168.00	169.50	1.50	2.78	
MU14_85	654	582095	105.00	111.00	6.00	0.67	
			171.00	208.50	37.50	0.91	
		or	28.00	213.00	185.00	0.44	
MU14_86	420	583175	N	S	V		
MU14_87	408	583176	N	S	V		
MU14_88	462	582028	36.00	238.50	202.50	0.31	
		incl	207.00	238.50	31.50	0.73	
MU14_89	449	582400	70.50	103.50	33.00	0.62	
			123.00	124.50	1.50	1.36	
			250.50	379.50	129.00	0.47	
		incl	298.50	337.50	39.00	0.83	
					0.00		
MU14_90	464	583176	N	S	V		
MU14_91	633	582129	30.00	64.50	34.50	0.29	
			177.00	216.00	39.00	0.68	
MU14_92	300	583400	N	S	V		
MU14_93	459	583382	N	S	V		
MU14_94	432	58207	147.00	148.50	1.50	1.97	
			298.50	315.00	16.50	0.56	

MU14_95	666	584917	295.50	310.50	15.00	0.34	K zone (West)
			400.50	403.50	3.00	0.89	
			466.50	492.00	25.50	0.39	
MU14_96	468	584918	106.50	135.00	28.50	0.31	K zone (West)
			111.00	112.50	1.50	2.05	
			199.50	202.50	3.00	1.12	
MU14_97	675	582800	151.50	271.50	120.00	0.45	
		incl	160.50	171.00	10.50	1.04	
		&	246.00	252.00	6.00	1.02	
			313.50	318.00	4.50	0.74	
MU14_98	513	582388	210.00	255.00	45.00	0.62	between 180E & Biroco
		incl	225.00	243.00	18.00	0.95	
MU14_99	462	582289	235.50	241.50	6.00	9.91	between 180E & Biroco
MU14_100	495	584000	177.50	186.50	9.00	0.63	Esker Zone
			221.00	237.50	16.50	1.29	
			288.50	294.50	6.00	1.19	
			309.50	317.00	7.50	0.61	
			366.50	390.50	24.00	0.57	
		incl	368.00	374.00	6.00	1.35	
			491.00	492.50	1.50	1.44	
MU14_101	375	583950	88.10	121.00	32.90	0.32	Esker Zone
			223.00	269.50	46.50	0.29	
MU14_102		584865	N	S	V		K zone (West)
MU14_103	426	582900	39.60	132.00	92.40	0.67	Biroco zone
		incl	48.00	63.00	15.00	1.49	
		&	123.00	132.00	9.00	1.18	
			196.50	204.00	7.50	1.08	
					0.00		
MU14_104	509	582756	225.00	285.00	60.00	0.41	Biroco zone
		incl	279.00	283.50	4.50	1.41	
			400.50	409.50	9.00	0.76	
MU14_105	633	582650	226.00	308.00	82.00	0.46	Biroco zone
		incl	226.00	237.50	11.50	1.21	
			387.50	468.00	80.50	0.41	
			496.50	546.00	49.50	0.44	
			613.50	621.00	7.50	0.55	

MU14_106	303	582400	74.00	93.50	19.50	0.46	between 180E & Commodore
MU14_107	318	582200	48.00	49.00	1.00	3.95	
MU14_108	297	582150	46.00	63.00	17.00	0.46	between 180E & Commodore
			102.00	103.50	1.50	1.24	
			154.50	163.50	9.00	0.89	
MU14_109							not drilled
MU14_110							not drilled
MU14_111							not drilled
MU14_112	429	582500	305.50	382.00	76.50	1.07	between 180E & Biroco
		incl	314.50	334.00	19.50	2.34	
		&	359.50	370.00	10.50	1.78	
			397.00	398.50	1.50	1.43	
MU14_113	471	582806	N	S	V		
MU14_114	414	582906	239.00	240.50	1.50	1.17	

Conclusions and Recommendations

Conclusions

Between January 23 and August 17, 2014, 93 holes (or partial holes) were completed on the Canadian Kirkland claim group aggregating a total of 43,358m utilizing up to 6 drills.

The purpose of the program was to follow up on earlier results by Canico and Queenston to try to determine the geological controls of the 180E, Biroco, Esker and 240E mineralization and to try to work out the geometry and interrelationships of the various mineralized zones. Ultimately, the objective was to examine the possibility that the Canadian Kirkland (Munro) mineralized zones could be combined into a bulk mining scenario.

It was found that the mineralization, particularly in the 180E and Biroco Zones was predated by an early phase of reddish potassic alteration but that the main phase of mineralization is related to a slightly later phase of carbonatization- silicification- pyritization infilling primary dilatant textures (perlitic fractures) and later microfractures in the trachytic flow package. In general, the mineralized zones seemed to mimic the dip of the trachyte- ultramafic contact which was found to be as flat as 10- 20 degrees in places.

According to previous interpretations of the geology and structure, the Timiskaming volcanics and sediments were truncated on the south side by the Cadillac Larder Lake Break and juxtaposed against the Larder Lake Group (now Tisdale Group) volcanics. However, during the course of the drill campaign, several holes that crossed the projected CLLB hit no structure or alteration whatsoever. Rather the contacts were natural and the trachytes were found to be interbedded with the ultramafic flows with no evidence of deformation. This suggests that the CLLB is either, within the Timiskaming Group or much further to the south then previously interpreted.

Almost all of the drill holes encountered overburden depths in excess of 50m with some holes abandoned at depths of 166m.

Recommendations

The question of the interrelationships of the various zones was never resolved. There appears to be a connection between the 180E and Biroco zones but the exact geometry of the 2 zones has yet to be established. Mineralization appears to occur as shallow dipping panels but the hole spacing is too wide to track the exact configuration of the mineralization and a series of N-S cross faults has complicated the interpretation. Therefore, infill drilling in the area of the Gauthier/ Lebel boundary is recommended to verify the nature of the connection of the 2 zones, and infill drilling to the east and west is needed to establish the geometry of the 2 zones. Also, the mineralization has not been closed off to the west.

No link between these zones and the Commodore Zone to the north has been found as yet but mineralization styles are similar and there may be a relationship that could be established by drilling between the zones.

Also, with the intensity of the alteration and the wide distribution of the mineralization, there has been no source or “root” zone located for the mineralizing fluids. Presumably, the feeder to the mineralized horizons could present a significant target for higher grade values, indicating that additional deeper holes are required to locate this conduit.

Throughout the region, significant gold has been produced from mines along, or in close proximity to, the CLLB. Therefore, additional drilling in the form of fences across the stratigraphy should be able to locate the CLLB under the cover of the Munro Esker deposits and indicate whether this portion has the potential for hosting gold mineralization.

References

Alexander, D. R., 2007; Technical Report on the Mineral Properties of Queenston Mining Inc. in the Kirkland Lake Gold Camp, unpublished report for Queenston Mining, 217p.

Inco Exploration and Technical Services, 1990: 1989 Annual Report, Kirkland Lake Project, , Canico-Queenston Joint Venture, Lebel and Gauthier Twps, Ont,, 22p + Appendices.

Roscoe Postle Associates Inc., 1996: Report on the Kirkland Lake Project for Queenston Mining; 83p, + Appendices A- D.

Canadian Kirkland Project
Drilling Plan View

May 27, 2015

Report Author: F. Ploeger

Map Author: M. Fell

Coordinate System: NAD 1983 UTM Zone 17N

1:5,000

0 100 200 300 400 500

Meters

N W E S

Magnetic Declination: 11°34.92' W

DDH Collar

Assays

Au (ppm)

- 0.0 - 0.1
- 0.2 - 0.3
- 0.4 - 1.0
- 1.1 - 2.0
- 2.1 - 27.7

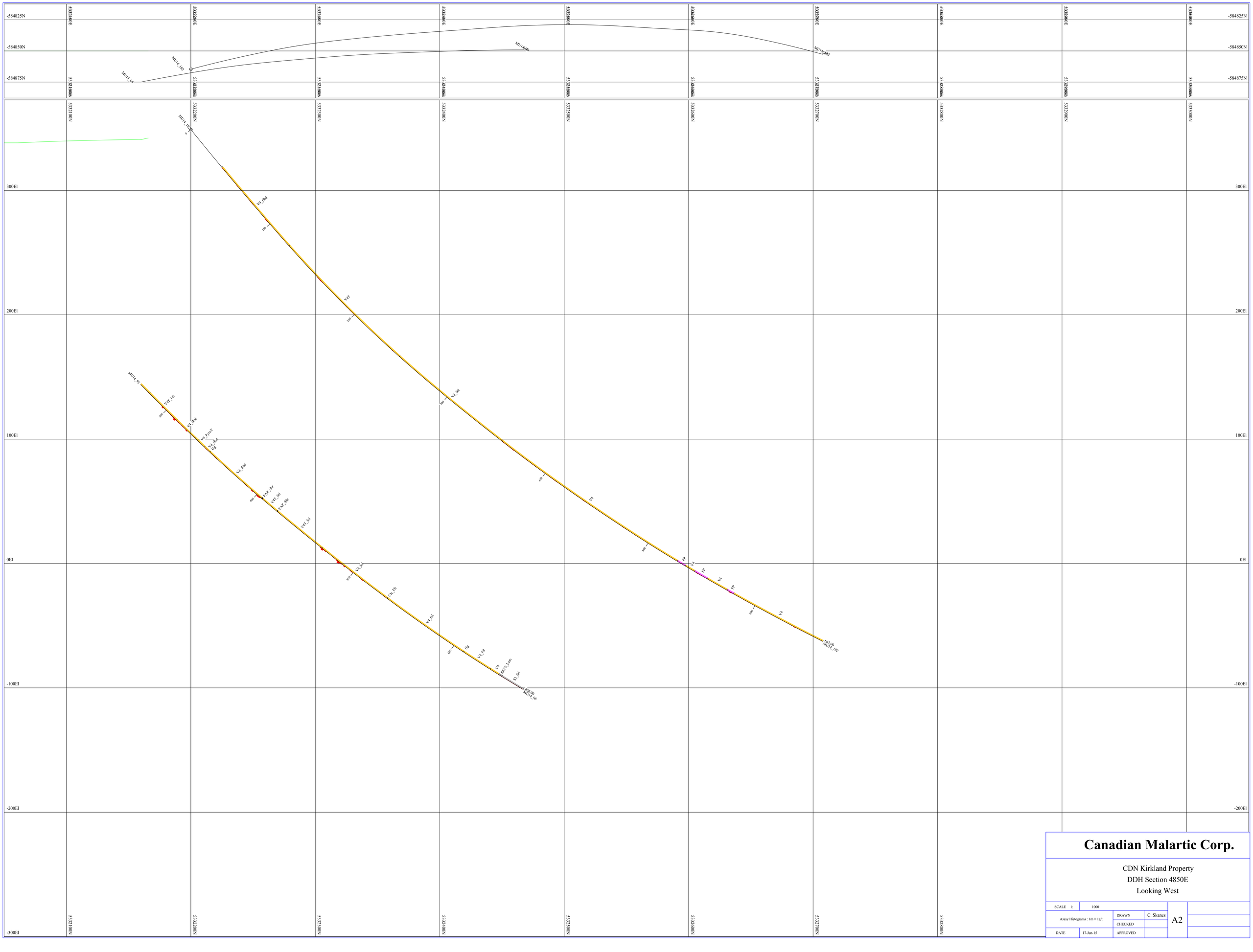
Claim Boundaries

Pit / Quarry

CANADIAN MALARTIC CORPORATION

582000 582500 583000 583500 584000 584500 585000

5333000 5332500 5332000 5331500 5331000



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 4850E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	17-Jun-15	APPROVED		

-584875N

-584900N

-584925N

5332600E

5332700N

5332800N

5332900N

5333000N

300El

200El

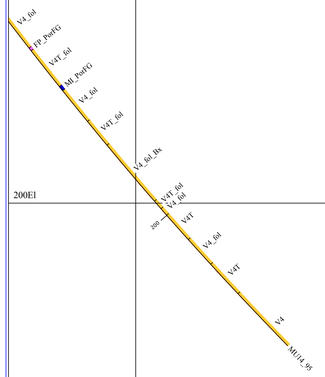
100El

0El

-100El

-200El

-300El



Canadian Malartic Corp.

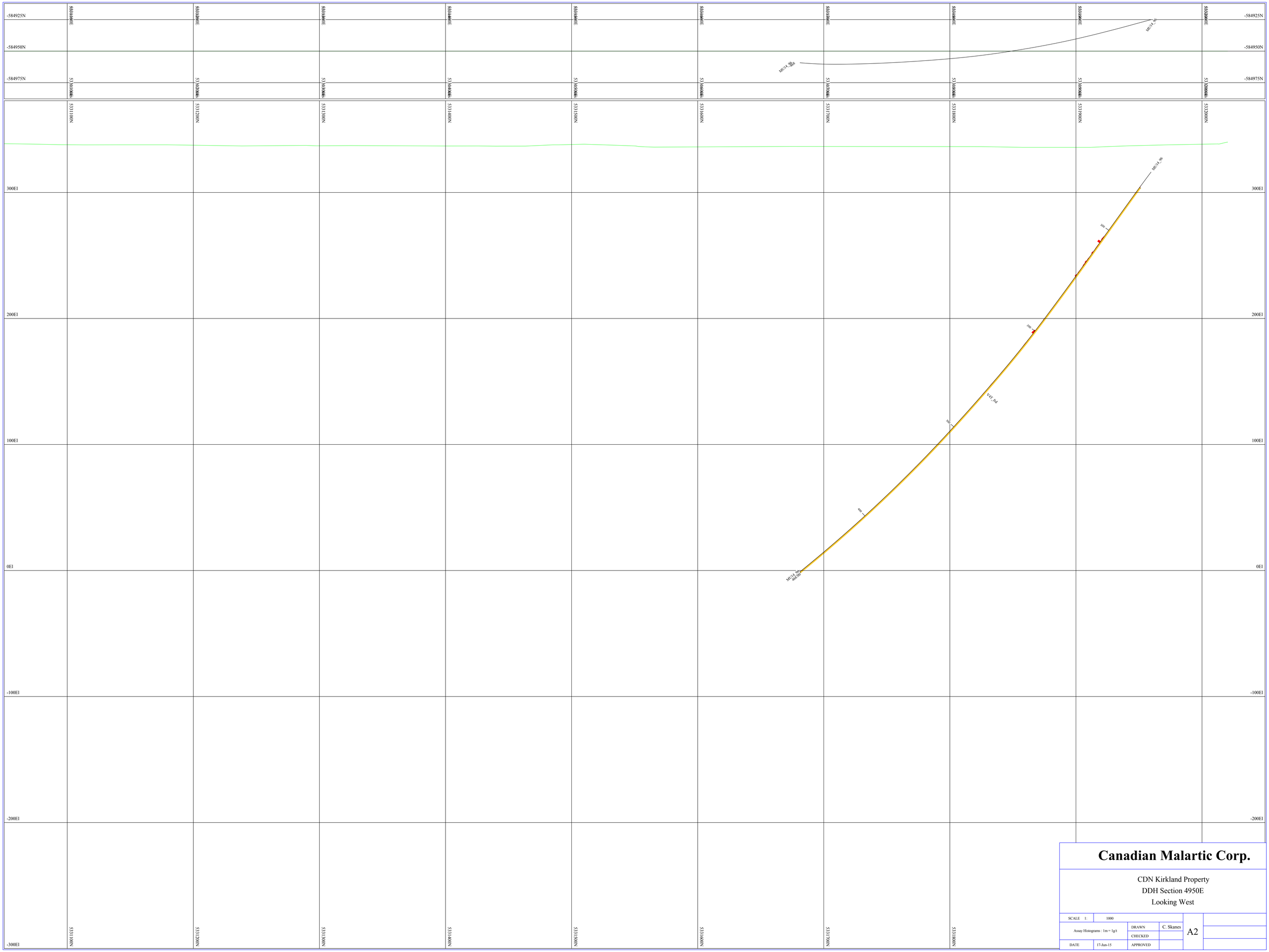
CDN Kirkland Property
DDH Section 4900E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	17-Jun-15	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 4900E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	17-Jun-15	APPROVED		



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 4950E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	17-Jun-15	APPROVED		

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU02_19E

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: A Richardson

From: 18/07/2014
To: 20/09/2014

Description date: 24/07/2014

Collar

Azimuth: 0.0°
Dip: -60.0°
Length: 579.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,330.099
North	0.0	0.000	5,331,046.504
Elevation	0.0	0.000	340.800

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-60.0°	No	
ReflexEZS	486.00	359.2°	-59.5°	No	Mag = 55308
ReflexEZS	516.00	358.8°	-59.3°	No	Mag = 55953
ReflexEZS	546.00	358.7°	-59.1°	No	Mag = 55625
ReflexEZS	576.00	0.1°	-59.0°	No	Mag = 55066

Description

Core size: NQ
Cemented: Yes
Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	456.40	OVB					
		Overburden					
		MU02_19 (E?) parent hole.					
456.40	579.00	V4; FIBand					
		Trachyte; FLOWBANDED					
		Light to darker green very fine grained flowbanded ankerite altered trachyte unit. Up to 15% local medium grained felspar phenocrysts. Wispy dark chlorite alteration along flow boundaries. Intermittent weak magnetism. Flow banding is shallow relative to core axis, 25TCA.					
456.40	579.00	Ank01; Cl01	456.40	458.00	Q070649	1.60	0.049
		Ankerite 1; Chlorite 1	458.00	459.50	Q070652	1.50	0.019
		weak pervasive ankerite with a light green pervasive chlorite. Dark chlorite along flow boundaries.	459.50	461.00	Q070653	1.50	0.011
			461.00	462.50	Q070654	1.50	0.009
			462.50	464.00	Q070655	1.50	0.22
			464.00	465.50	Q070656	1.50	0.108
			465.50	467.00	Q070657	1.50	0.028
			467.00	468.50	Q070658	1.50	0.019
			468.50	470.00	Q070659	1.50	0.145
			470.00	471.50	Q070660	1.50	<0.005
			471.50	473.00	Q070661	1.50	0.016
			473.00	474.50	Q070662	1.50	<0.005
			474.50	476.00	Q070663	1.50	<0.005
			476.00	477.50	Q070664	1.50	<0.005
			477.50	479.00	Q070665	1.50	<0.005
			479.00	480.50	Q070666	1.50	<0.005
			480.50	482.00	Q070667	1.50	0.011
			482.00	483.50	Q070668	1.50	<0.005
			483.50	485.00	Q070669	1.50	0.006
			485.00	486.50	Q070670	1.50	0.018
			486.50	488.00	Q070671	1.50	0.03
			488.00	489.50	Q070672	1.50	0.019
			489.50	491.00	Q070673	1.50	0.056
			491.00	492.50	Q070674	1.50	0.212
			492.50	494.00	Q070677	1.50	0.109
			494.00	495.50	Q070678	1.50	0.039
			495.50	497.00	Q070679	1.50	0.02

Description	Assay				
	From	To	Sample number	Length	AuBest
	497.00	498.50	Q070680	1.50	0.036
	498.50	500.00	Q070681	1.50	0.044
	500.00	501.50	Q070682	1.50	0.074
	501.50	503.00	Q070683	1.50	0.043
	503.00	504.50	Q070684	1.50	0.032
	504.50	506.00	Q070685	1.50	0.01
	506.00	507.50	Q070686	1.50	0.006
	507.50	509.00	Q070687	1.50	0.013
	509.00	510.50	Q070688	1.50	0.02
	510.50	512.00	Q070689	1.50	0.028
	512.00	513.50	Q070690	1.50	0.016
	513.50	515.00	Q070691	1.50	0.023
	515.00	516.50	Q070692	1.50	0.019
	516.50	518.00	Q070693	1.50	0.011
	518.00	519.50	Q070694	1.50	0.02
	519.50	521.00	Q070695	1.50	0.062
	521.00	522.50	Q070696	1.50	<0.005
	522.50	524.00	Q070697	1.50	0.039
	524.00	525.50	Q070698	1.50	0.018
	525.50	527.00	Q070699	1.50	0.013
	527.00	528.50	Q070702	1.50	<0.005
	528.50	530.00	Q070703	1.50	0.006
	530.00	531.50	Q070704	1.50	<0.005
	531.50	533.00	Q070705	1.50	0.011
	533.00	534.50	Q070706	1.50	0.012
	534.50	536.00	Q070707	1.50	0.046
	536.00	537.50	Q070708	1.50	0.067
	537.50	539.00	Q070709	1.50	0.034
	539.00	540.50	Q070710	1.50	0.008
	540.50	542.00	Q070711	1.50	<0.005
	542.00	543.50	Q070712	1.50	0.015
	543.50	545.00	Q070713	1.50	0.016
	545.00	546.50	Q070714	1.50	<0.005
	546.50	548.00	Q070715	1.50	0.011

Description	Assay				
	From	To	Sample number	Length	AuBest
	548.00	549.50	Q070716	1.50	<0.005
	549.50	551.00	Q070717	1.50	<0.005
	551.00	552.50	Q070718	1.50	0.007
	552.50	554.00	Q070719	1.50	0.017
	554.00	555.50	Q070720	1.50	0.009
	555.50	557.00	Q070721	1.50	0.006
	557.00	558.50	Q070722	1.50	<0.005
	558.50	560.00	Q070723	1.50	<0.005
	560.00	561.50	Q070724	1.50	0.009
	561.50	563.00	Q070727	1.50	0.007
	563.00	564.50	Q070728	1.50	0.006
	564.50	566.00	Q070729	1.50	0.008
	566.00	567.50	Q070730	1.50	0.008
	567.50	569.00	Q070731	1.50	0.008
	569.00	570.50	Q070732	1.50	0.006
	570.50	572.00	Q070733	1.50	<0.005
	572.00	573.50	Q070734	1.50	<0.005
	573.50	575.00	Q070735	1.50	<0.005
	575.00	576.50	Q070736	1.50	0.005
	576.50	578.00	Q070737	1.50	<0.005
	578.00	579.00	Q070738	1.00	0.007
579.00	**End of DDH**				
	Number of samples: 82				
	Number of QAQC samples: 9				
	Total sampled length: 122.60				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_25

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Gillles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	23/01/2014	Description date:	30/01/2014
		To:	30/01/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 400.50 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	20,390.000	582,808.847
North	0.0	12,136.000	5,331,454.340
Elevation	0.0	11,131.000	344.456

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	51.00	176.0°	-52.9°	No	Mag = 55848
ReflexEZS	100.00	178.5°	-53.5°	No	Mag = 55269
ReflexEZS	150.00	180.5°	-54.2°	No	Mag = 55350
ReflexEZS	201.00	184.2°	-54.5°	No	Mag = 55311
ReflexEZS	250.00	185.3°	-54.1°	No	Mag = 55300
ReflexEZS	300.00	188.8°	-53.5°	No	Mag = 54903
ReflexEZS	345.00	187.1°	-54.5°	No	Mag = 55162
ReflexEZS	400.00	188.1°	-54.4°	No	Mag = 54954

Description

Re-Logged by Ciara Cooke August 2014. Bx 32 from 167 to 171m was polished.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	36.00	OVB **Overburden** Overburden, 10 cm of heterogeneous fragments mafic with many carbonates veinlets.					
36.00	103.50	V4; Per **Trachyte; PERLITIC** Med greyish-red trachyte. Glassy aphanitic groundmass with perlitic texture. Strong pervasive potassic alteration. Selective moderate silicification resulting in greyish discolouration. Pervasive microfractures with moderate ankerite infilling. Smoky-grey qtz veining with ankerite and selected pinky-orange barite. Isolated rafts of beige to greenish flow top chill margins with ankerite-chl-sericite and py alteration as well as hyaloclastite texture and distinct but irregular ctcs. Selective dk green chl veinlets to hairlines. 0.5 to 1 pct fg disseminated to fracture controlled py. Sharp lower ctc.					
36.00	103.50	K03; Si02; Ank02; Cl01; Se01 **Potassic 3; Silica 2; Ankerite 2; Chlorite 1; Sericite 1** Strong potassic alteration. Moderate selective silicification resulting in greyish discolouration. Moderate to strong selective ankerite alteration. Isolated patches of dk green chl and sericite plus py alteration.	36.00	37.00	H406551	1.00	0.158
36.00	67.25	Py00.5 **Pyrite 0.5%** Fine grained disseminated pyrite					
37.00	64.00	Vn;3%;Sgq Qak;Ra;;; **vein (5 mm - 10 cm) 3% smoky grey quartz quartz-ankerite random** Smoky-grey qtz to qtz-ankerite veining with selected incl of pinky-orange barite. Irregular.	37.00	38.00	H406552	1.00	0.289
			38.00	39.00	H406553	1.00	0.239
			39.00	40.00	H406554	1.00	0.392
			40.00	41.00	H406555	1.00	0.233
			41.00	42.00	H406556	1.00	0.228
			42.00	43.00	H406557	1.00	0.141
			43.00	44.00	H406558	1.00	0.145
43.40	43.50	FTH **Flow Top/Hyaloclastite 70°** Isolated flow top chill margin with hyaloclastite texture. Beige to greenish with ankerite-chl-sericite and py alteration. Distinct but irregular ctcs.	44.00	45.00	H406559	1.00	0.156
			45.00	46.00	H406560	1.00	0.233
			46.00	47.00	H406561	1.00	0.193
			47.00	48.00	H406562	1.00	0.119
			48.00	49.00	H406563	1.00	0.13
			49.00	50.00	H406564	1.00	0.154
			50.00	51.00	H406565	1.00	0.176
			51.00	52.00	H406566	1.00	0.316
			52.00	53.00	H406567	1.00	0.179
			53.00	54.00	H406568	1.00	0.146
			54.00	55.00	H406569	1.00	0.177
			55.00	56.00	H406570	1.00	0.133

Description			Assay				
			From	To	Sample number	Length	AuBest
			56.00	57.00	H406571	1.00	0.173
			57.00	58.00	H406572	1.00	0.155
			58.00	59.00	H406573	1.00	0.158
			59.00	60.00	H406574	1.00	0.129
			60.00	61.00	H406577	1.00	0.133
			61.00	62.00	H406578	1.00	0.206
			62.00	63.00	H406579	1.00	0.137
			63.00	64.00	H406580	1.00	0.148
64.00	74.00	Vt;1%;Qac;Ra;;;	64.00	65.00	H406581	1.00	0.218
		veinlet (1-5 mm) 1% quartz-ankerite-chlorite random	65.00	66.00	H406582	1.00	0.227
		Orangy-grey to dk green qtz-ankerite and chl veinlets to hairlines. Minor incl of barite.	66.00	67.25	H406583	1.25	0.178
67.25	69.00	Py00.5	67.25	68.45	H406584	1.20	0.14
		Pyrite 0.5%	68.45	69.00	H406585	0.55	0.315
		AutoInsert by "trg_updMineral" Updated					
69.00	70.00	Py01	69.00	70.00	H406586	1.00	0.245
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
70.00	79.00	Py00.5	70.00	71.00	H406587	1.00	0.24
		Pyrite 0.5%	71.00	72.00	H406588	1.00	0.242
		Fine disseminated to fracture controlled.	72.00	73.00	H406589	1.00	0.828
			73.00	74.00	H406590	1.00	0.255
74.00	84.00	Vn;5%;Qak;Ra;;;	74.00	75.00	H406591	1.00	0.177
		vein (5 mm - 10 cm) 5% quartz-ankerite random	75.00	76.00	H406592	1.00	0.142
		Smoky-grey qtz with ankerite and pinky-orange barite incl.	76.00	77.00	H406593	1.00	0.352
			77.00	78.00	H406594	1.00	0.366
			78.00	79.00	H406595	1.00	0.268
79.00	84.00	Py01	79.00	80.00	H406596	1.00	0.51
		Pyrite 1%					
		Fine grained disseminated to fracture controlled.					
79.20	81.12	FTH	80.00	81.00	H406597	1.00	0.503
		Flow Top/Hyaloclastite 60°	81.00	82.00	H406598	1.00	0.412
		50 to 60 pct Intermittent rafts of flow top chill margins with hyaloclastite texture. Beige to greenish with	82.00	83.00	H406599	1.00	0.436
		ankerite-chl-sericite and py alteration. Distinct but irregular ctcs.					
82.83	84.14	FTH	83.00	84.00	H406602	1.00	0.548
		Flow Top/Hyaloclastite					
		40 pct Intermittent rafts of flow top chill margins with hyaloclastite texture. Beige to greenish with					

Description			Assay				
			From	To	Sample number	Length	AuBest
		ankerite-chl-sericite and py alteration. Distinct but irregular ctcs.					
84.00	90.00	Py00.5					
		Pyrite 0.5%					
84.00	103.50	Vt;1%;Qak Cl;Ra;;;	84.00	85.00	H406603	1.00	0.495
		veinlet (1-5 mm) 1% quartz-ankerite chlorite random	85.00	86.00	H406604	1.00	0.402
		Smoky-grey qtz and ankerite veinlets to hairlines with selected incl of dk green chl and pinky-orange	86.00	87.00	H406605	1.00	0.494
		barite.	87.00	88.00	H406606	1.00	0.279
			88.00	89.00	H406607	1.00	0.275
			89.00	90.00	H406608	1.00	0.386
89.34	89.75	FTH					
		Flow Top/Hyaloclastite					
		Isolated flow top chill margin with hyaloclastite texture. Beige to greenish with ankerite-chl-sericite and py					
		alteration. Distinct but irregular ctcs.					
90.00	93.00	Py01	90.00	91.00	H406609	1.00	0.421
		Pyrite 1%	91.00	92.00	H406610	1.00	0.381
		Fg disseminated to fracture controlled.					
91.60	91.70	FTH	92.00	93.00	H406611	1.00	0.312
		Flow Top/Hyaloclastite					
		Isolated flow top chill margin with hyaloclastite texture. Beige to greenish with ankerite-chl-sericite and py					
		alteration. Distinct but irregular ctcs.					
93.00	96.00	Py00.5	93.00	94.00	H406612	1.00	0.315
		Pyrite 0.5%	94.00	95.00	H406613	1.00	0.158
			95.00	96.00	H406614	1.00	0.255
96.00	97.00	Py00.5; Cp00.1	96.00	97.00	H406615	1.00	0.206
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
97.00	101.00	Py01	97.00	98.00	H406616	1.00	0.594
		Pyrite 1%	98.00	99.00	H406617	1.00	0.291
		Fg disseminated to fracture controlled.	99.00	100.00	H406618	1.00	0.209
			100.00	101.00	H406619	1.00	0.282
101.00	102.00	Py00.5; Cp00.1	101.00	102.00	H406620	1.00	0.259
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled. Isolated vein conrolled chalcopyrite.					
102.00	103.50	Py00.5	102.00	103.00	H406621	1.00	0.216
		Pyrite 0.5%	103.00	103.55	H406622	0.55	0.157
		Fg disseminated to fracture controlled.					
103.50	107.90	3D; Phan; Oph					
		Diabase 40°; PHANERITIC; OPHITIC					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Med green massive fg to f-mg diabase. Sharp ctcs. Qtz-ankerite veining at both ctc with large brecciated zone defining lower ctc. Strong pervasive chloritization with selective ankerite and sericite alteration. Moderate pervasive magnetism. Non mineralized. Fg to f-mg euhedral lath shaped sericite-ankerite altered feldspar crystals within augite rich chl-magnetite altered groundmass.					
103.50	107.90	Cl03; Ank02; Se02; Mgt02	103.55	104.25	H406623	0.70	0.008
		Chlorite 3; Ankerite 2; Sericite 2; Magnetite 2	104.25	105.00	H406624	0.75	0.012
		Strong med green chloritization. Moderate to strong selective ankerite. Moderate selective sericite alteration. Moderate pervaisve magnetism - disseminated.	105.00	106.00	H406627	1.00	0.006
			106.00	106.80	H406628	0.80	0.011
103.50	106.55	Vn;2%;Qac;Ra;40°;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random 40°					
		White to greyish qtz-ankerite veins to veinlets with selected incl of chl.					
106.55	107.90	Vm;75%;Qac;Fl;10°;;	106.80	107.90	H406629	1.10	0.03
		major vein (10 cm or greater) 75% quartz-ankerite-chlorite flooding 10°					
		White to greyish qtz-ankerite vein with selective dk green chl. Massive vein brecciating wall rock with fine to coarse angular incl suspended within vein. Barren.					
107.00	108.00	Py00.2					
		Pyrite 0.2%					
		Fg selective eu-subhedral py.					
107.90	246.68	V4; Per	107.90	109.00	H406630	1.10	0.142
		Trachyte 20°; PERLITIC					
		Med red to greyish-mauve trachyte. Glassy aphanitic groundmass with perlitic texture. Strong pervasive potassic alteration. Pervasive microfractures with moderate to strong ankerite infilling. Isolated patches of moderate silicification associated with greyish discolouration. Smoky-grey qtz with ankerite and selected pinky-orange barite veining cross-cutting unit. Isolated incl of dk green chl and grey hematite within veinlets. Isolated rafts of beige to greenish flow top chill margins with ankerite-chl and py alteration as well as hyaloclastite texture and distinct but irregular ctcs. Isolated clusters of fg to f-mg greyish-purpled subhedral feldspar crystals suspended within groundmass. 0.5 to 5 pct fg disseminated to fracture controlled py. Isolated vein controlled incl of chalcopyrite and molybdenite. Brecciation at upper ctc.					
107.90	157.98	K03; Ank02; He01					
		Potassic 3; Ankerite 2; Hematite 1					
		Strong pervasive potassic alteration. Moderate to strong selective ankerite alteration. Isolated patches to veinlets of hematite.					
107.90	140.50	Vt;1%;Qac;Ra;;Hem;					
		veinlet (1-5 mm) 1% quartz-ankerite-chlorite random SPECULARITE					
		Irregular and cross-cutting qtz-ankerite veinlets to hairlines with selected incl of dk green chl and-or grey hematite.					
108.00	109.00	Py00.2					
		Pyrite 0.2%					
		Fg eu-subhedral disseminated to fracture controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
109.00	114.00	Py00.5	109.00	110.00	H406631	1.00	0.379
		Pyrite 0.5%	110.00	111.00	H406632	1.00	0.608
		Fine to medium euheudral pyrite disseminated	111.00	112.00	H406633	1.00	0.813
			112.00	113.00	H406634	1.00	0.534
			113.00	114.00	H406635	1.00	0.503
114.00	125.00	Py01	114.00	115.00	H406636	1.00	0.612
		Pyrite 1%	115.00	116.00	H406637	1.00	0.517
		Fg disseminated to fracture controlled and clustered.	116.00	117.00	H406638	1.00	0.516
			117.00	118.00	H406639	1.00	1.01
			118.00	119.00	H406640	1.00	1.305
			119.00	120.00	H406641	1.00	1.175
			120.00	121.00	H406642	1.00	0.59
			121.00	122.00	H406643	1.00	0.605
			122.00	123.00	H406644	1.00	0.454
			123.00	124.00	H406645	1.00	0.39
			124.00	125.00	H406646	1.00	0.618
125.00	132.00	Py01; Cp00.1	125.00	126.00	H406647	1.00	0.629
		Pyrite 1%; Chalcopyrite 0.1%	126.00	127.00	H406648	1.00	0.535
		Fg disseminated to fracture controlled and clustered py. Isolated vein controlled chalcopyrite.	127.00	128.00	H406649	1.00	0.435
			128.00	129.00	H406652	1.00	0.344
			129.00	130.00	H406653	1.00	0.435
			130.00	131.00	H406654	1.00	0.387
			131.00	132.00	H406655	1.00	0.299
132.00	138.00	Py01	132.00	133.00	H406656	1.00	0.513
		Pyrite 1%	133.00	134.00	H406657	1.00	0.547
		Fg disseminated to fracture controlled and clustered.	134.00	135.00	H406658	1.00	0.456
			135.00	136.00	H406659	1.00	0.427
			136.00	137.00	H406660	1.00	0.377
			137.00	138.00	H406661	1.00	0.449
138.00	141.00	Py01; Cp00.1; Mo00.1	138.00	139.00	H406662	1.00	0.565
		Pyrite 1%; Chalcopyrite 0.1%; Molybdenite 0.1%	139.00	140.00	H406663	1.00	0.348
		Fg disseminated to fracture controlled and clustered py. Isolated vein controlled chalcopyrite and molybdenite.	140.00	141.00	H406664	1.00	0.418
140.50	156.00	Vt;1%;Qak;Ra;;Hem;					
		veinlet (1-5 mm) 1% quartz-ankerite random SPECULARITE					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Greyish qtz-ankerite veinlets to hairlines. Irregular and cross-cutting. Isolated incl of dk green chl and greyish hematite. Pinky-orange barite incl.					
141.00	144.00	Py00.5	141.00	142.00	H406665	1.00	0.366
		Pyrite 0.5%	142.00	143.00	H406666	1.00	0.33
		Fg disseminated to fracture controlled and clustered.	143.00	144.00	H406667	1.00	0.591
144.00	154.00	Py01	144.00	145.00	H406668	1.00	0.988
		Pyrite 1%	145.00	146.00	H406669	1.00	0.685
		Fg disseminated to fracture controlled and clustered.	146.00	147.00	H406670	1.00	0.479
			147.00	148.00	H406671	1.00	0.457
			148.00	149.00	H406672	1.00	0.441
			149.00	150.00	H406673	1.00	1.15
			150.00	151.00	H406674	1.00	1.58
			151.00	152.00	H406677	1.00	0.529
			152.00	153.00	H406678	1.00	0.627
			153.00	154.00	H406679	1.00	0.694
154.00	157.00	Py01; Cp00.1; Mo00.1	154.00	155.00	H406680	1.00	0.777
		Pyrite 1%; Chalcopyrite 0.1%; Molybdenite 0.1%	155.00	156.00	H406681	1.00	0.442
		Fg disseminated to fracture controlled and clustered py. Isolated vein controlled chalcopyrite and molybdenite.					
156.00	194.00	Vt;3%;Qak;Ra;;Hem;	156.00	157.00	H406682	1.00	1.46
		veinlet (1-5 mm) 3% quartz-ankerite random SPECULARITE					
		Greyish qtz-ankerite veinlets to hairlines with pinky-orange barite. Irregular and cross-cutting with selected stockworks. Isolated incl of dk green chl and greyish hematite.					
157.00	158.00	Py02; Cp00.1	157.00	157.98	H406683	0.98	3.35
		Pyrite 2%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled and clustered py. Isolated vein controlled chalcopyrite.					
157.98	158.34	FTH					
		Flow Top/Hyaloclastite					
		Isolated flow top chill margin with hyaloclastite texture. Beige to greenish with ankerite-chl-sericite and py alteration. Distinct but irregular ctcs.					
157.98	158.34	Ank03; Cl02	157.98	159.00	H406684	1.02	1.365
		Ankerite 3; Chlorite 2					
		Strong ankerite with moderate selective med green chl and disseminated py.					
158.00	162.00	Py01					
		Pyrite 1%					
		Fg disseminated to fracture controlled and clustered.					
158.34	211.60	K03; Ank03; Cl01	159.00	160.00	H406685	1.00	0.97
		Potassic 3; Ankerite 3; Chlorite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong pervasive potassic alteration. Moderate to strong selective ankerite alteration. Isolated patches	160.00	161.00	H406686	1.00	1.095
		of med to dk green interstitial chl.	161.00	162.00	H406687	1.00	0.387
162.00	163.00	Py02	162.00	163.00	H406688	1.00	0.691
		Pyrite 2%					
		Fg disseminated to fracture controlled and clustered.					
163.00	165.00	Py01	163.00	164.00	H406689	1.00	1.13
		Pyrite 1%	164.00	165.00	H406690	1.00	2.64
		Fg disseminated to fracture controlled and clustered.					
165.00	168.00	Py02	165.00	166.00	H406691	1.00	1.735
		Pyrite 2%	166.00	167.00	H406692	1.00	3.23
		Fg disseminated to fracture controlled and clustered.	167.00	168.00	H406693	1.00	2.23
168.00	169.00	Py03	168.00	169.00	H406694	1.00	3.04
		Pyrite 3%					
		Fg disseminated to fracture controlled and clustered.					
169.00	171.00	Py05	169.00	170.00	H406695	1.00	4.42
		Pyrite 5%	170.00	171.00	H406696	1.00	0.982
		Fg disseminated to fracture controlled and clustered.					
171.00	175.00	Py02	171.00	172.00	H406697	1.00	1.18
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
171.40	172.00	FTH	172.00	173.00	H406698	1.00	1.02
		Flow Top/Hyaloclastite 70°					
		Isolated flow top chill margin with hyaloclastite texture. Beige to greenish with ankerite-chl-sericite and py					
		alteration. Distinct but irregular ctcs.					
172.83	173.00	FTH	173.00	174.00	H406699	1.00	0.712
		Flow Top/Hyaloclastite	174.00	175.00	H406702	1.00	1.685
		Isolated flow top chill margin with hyaloclastite texture. Beige to greenish with ankerite-chl-sericite and py					
		alteration. Distinct but irregular ctcs.					
175.00	182.00	Py01	175.00	176.00	H406703	1.00	0.593
		Pyrite 1%	176.00	177.00	H406704	1.00	0.502
		Fg disseminated to fracture controlled.	177.00	178.00	H406705	1.00	1.54
			178.00	179.00	H406706	1.00	2.42
			179.00	180.00	H406707	1.00	1.27
			180.00	181.00	H406708	1.00	0.44
			181.00	182.00	H406709	1.00	2.62
182.00	185.00	Py02	182.00	183.00	H406710	1.00	4.12
		Pyrite 2%	183.00	184.00	H406711	1.00	1.065
		Fg disseminated to fracture controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			184.00	185.00	H406712	1.00	1.15
185.00	187.00	Py03	185.00	186.00	H406713	1.00	1.75
		Pyrite 3%	186.00	187.00	H406714	1.00	1.825
		Fg disseminated to fracture controlled.					
187.00	191.00	Py02	187.00	188.00	H406715	1.00	1.99
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
187.78	189.30	FTH	188.00	189.00	H406716	1.00	1.695
		Flow Top/Hyaloclastite	189.00	190.00	H406717	1.00	0.677
		15 pct Isolated rafts of flow top chill margins with hyaloclastite texture. Beige to greenish with	190.00	191.00	H406718	1.00	1.95
		ankerite-chl-sericite and py alteration. Distinct but irregular ctcs.					
191.00	194.00	Py01	191.00	192.00	H406719	1.00	0.502
		Pyrite 1%	192.00	193.00	H406720	1.00	0.799
		Fg disseminated to fracture controlled.	193.00	194.00	H406721	1.00	0.487
194.00	195.00	Py02					
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
194.00	200.00	Vt;3%;Qak;Ra;;Cp;	194.00	195.00	H406722	1.00	0.698
		veinlet (1-5 mm) 3% quartz-ankerite random Chalcopyrite					
		Greyish qtz-ankerite veinlets to hairlines. Oblique tca and cross-cutting. Selected incl of chalcopyrite.					
195.00	198.00	Py01	195.00	196.00	H406723	1.00	0.508
		Pyrite 1%	196.00	197.00	H406724	1.00	0.152
		Fg disseminated to fracture controlled.	197.00	198.00	H406727	1.00	0.416
198.00	199.00	Py01; Cp00.1	198.00	199.00	H406728	1.00	0.435
		Pyrite 1%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
199.00	200.00	Py02	199.00	200.00	H406729	1.00	0.312
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
200.00	202.00	Py01					
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
200.00	211.60	Vt;2%;Qak;Ra;;Hem;	200.00	201.00	H406730	1.00	0.239
		veinlet (1-5 mm) 2% quartz-ankerite random SPECULARITE	201.00	202.00	H406731	1.00	0.536
		Greyish qtz-ankerite veinlets to hairlines. Oblique tca and cross-cutting. Selected incl of pinky-orange					
		barite with recessive weathering as well as dk grey hematite and dk green chl.					
202.00	204.00	Py02	202.00	203.00	H406732	1.00	0.26
		Pyrite 2%	203.00	204.00	H406733	1.00	1.105
		Fg disseminated to fracture controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
204.00	207.00	Py01	204.00	205.00	H406734	1.00	1.01
		Pyrite 1%	205.00	205.58	H406735	0.58	2.12
		Fg disseminated to fracture controlled.					
205.25	205.50	FTH	205.58	206.25	H406736	0.67	0.693
		Flow Top/Hyaloclastite 40°	206.25	207.00	H406737	0.75	0.409
		Isolated flow top chill zone with hyaloclastite texture. Interstitial med to dk green chloritization with					
		disseminated py. Distinct but irregular ctcs.					
207.00	211.60	Py02	207.00	208.00	H406738	1.00	1.07
		Pyrite 2%	208.00	209.00	H406739	1.00	0.896
		Fg disseminated to fracture controlled.	209.00	210.00	H406740	1.00	1.025
			210.00	211.00	H406741	1.00	1.09
210.90	211.60	FTH	211.00	211.60	H406742	0.60	1.74
		Flow Top/Hyaloclastite 60°					
		Isolated flow top chill zone with hyaloclastite texture. Interstitial med to dk green chloritization with					
		disseminated py. Distinct but irregular ctcs.					
211.60	246.68	K03; Ank03; Si02	211.60	212.20	H406743	0.60	0.077
		Potassic 3; Ankerite 3; Silica 2					
		Strong pervasive potassic alteration. Moderate to strong selective ankerite. Moderate patchy					
		silicification resulting in greyish discolouration.					
211.60	212.20	Py01					
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
211.60	219.00	Vn;4%;Sgq Qak;Ra;;Hem Cp Mo;					
		vein (5 mm - 10 cm) 4% smoky grey quartz quartz-ankerite random SPECULARITE					
		Chalcopyrite Molybdenite					
		Smoky grey qtz and ankerite veins to veinlets and hairlines. Oblique tca and irregular. Cross-cutting.					
		Selected incl of dk grey hematite and dk green chl. Isolated blebs of chalcopyrite and molybdenite.					
212.20	216.00	Py02; Cp00.1; Mo00.1	212.20	213.00	H406744	0.80	0.102
		Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.1%	213.00	214.00	H406745	1.00	0.275
		Fg disseminated to fracture controlled py. Isolated blebs of vein controlled chalcopyrite and molybdenite.	214.00	215.00	H406746	1.00	0.181
			215.00	216.00	H406747	1.00	0.125
216.00	218.00	Py01	216.00	217.00	H406748	1.00	0.113
		Pyrite 1%	217.00	218.00	H406749	1.00	0.723
		Fg disseminated to fracture controlled.					
218.00	220.00	Py02	218.00	219.00	H406752	1.00	0.786
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
219.00	226.70	Vn;5%;Qak;Ra;;Cp Mo Hem;	219.00	220.00	H406753	1.00	0.449
		vein (5 mm - 10 cm) 5% quartz-ankerite random Chalcopyrite Molybdenite					

		Description	Assay				
			From	To	Sample number	Length	AuBest
		SPECULARITE					
		Smoky-grey qtz and ankerite veins to veinlets and hairlines. Oblique tca and cross-cutting. Abundance					
		of pinky-orange barite. Selected incl og dk grey hematite. Isolated incl of chalcopyrite and molybdenite.					
220.00	222.00	Py02; Cp00.1; Mo00.1	220.00	221.00	H406754	1.00	0.87
		Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.1%	221.00	222.00	H406755	1.00	0.266
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.					
222.00	223.00	Py02	222.00	223.00	H406756	1.00	0.132
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
223.00	224.00	Py01	223.00	224.00	H406757	1.00	0.236
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
224.00	224.85	Py02	224.00	224.85	H406758	0.85	0.205
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
224.85	227.85	Py00.5	224.85	225.70	H406759	0.85	0.151
		Pyrite 0.5%	225.70	226.75	H406760	1.05	0.227
		Fg disseminated to fracture controlled.					
226.70	246.68	Vt;3%;Qak;Ra;;Mo;	226.75	227.85	H406761	1.10	0.191
		veinlet (1-5 mm) 3% random Molybdenite					
		Med to dk grey qtz with ankerite veinlets to hairlines. Oblique tca and irregular. Selectively cross-cutting.					
		Isolated incl of pinky-orange barite. Isolated incl of chalcopyrite and molybdenite.					
227.85	229.00	Py01	227.85	229.00	H406762	1.15	0.179
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
229.00	230.00	Py01; Cp00.1	229.00	230.00	H406763	1.00	0.325
		Pyrite 1%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
230.00	234.00	Py01	230.00	231.00	H406764	1.00	0.19
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
230.68	230.78	FTH	231.00	232.00	H406765	1.00	0.144
		Flow Top/Hyaloclastite 80°	232.00	233.00	H406766	1.00	0.14
		Isolated flow top chill margin with hyaloclastite texture. Beige to greenish with ankerite-py dominant	233.00	234.00	H406767	1.00	0.176
		alteration. Minor chl-sericite alteration. Distinct but irregular ctcs.					
234.00	235.00	Py02	234.00	235.00	H406768	1.00	0.191
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
235.00	236.00	Py01	235.00	236.00	H406769	1.00	0.149
		Pyrite 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg disseminated to fracture controlled.					
236.00	237.00	Py02	236.00	237.00	H406770	1.00	0.127
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
237.00	239.00	Py01	237.00	238.00	H406771	1.00	0.158
		Pyrite 1%	238.00	239.00	H406772	1.00	0.157
		Fg disseminated to fracture controlled.					
239.00	242.00	Py02; Cp00.1; Mo00.1	239.00	240.00	H406773	1.00	0.166
		Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.1%	240.00	241.00	H406774	1.00	0.188
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.	241.00	242.00	H406777	1.00	0.17
242.00	245.00	Py02	242.00	243.00	H406778	1.00	0.275
		Pyrite 2%	243.00	244.00	H406779	1.00	0.649
			244.00	245.00	H406780	1.00	0.707
245.00	246.70	Py03	245.00	246.00	H406781	1.00	0.596
		Pyrite 3%	246.00	246.70	H406782	0.70	0.75
246.68	261.30	V4; Pep; Per					
		Trachyte; PEPERITIC; PERLITIC					
		Med greyish-mauve to dk green-black trachyte. Glassy aphanitic groundmass with perlitic texture. Strong pervasive ankerite alteration. Moderate to strong patchy potassic alteration and silicification resulting in greyish discolouration. Banded to mottled interstitial dk green to black chl-magnetite-py alteration defining peperitic horizon. Gryish-white qtz-ankerite veins to veinlets with selected pinky-orange barite incl cross-cutting unit. 1 to 3 pct fg disseminated to fracture controlled py. Isolated vein controlled incl of chalcopyrite. Gradational ctcs.					
246.68	261.30	Ank03; K03; Si02; Cl02; Mgt01					
		Ankerite 3; Potassic 3; Silica 2; Chlorite 2; Magnetite 1					
		Strong ankerite alteration with moderate to strong selective potassic alteration. Patches of moderate silicification. Isolated mottled to banded interstitial dk green to black chl-magnetite alteration.					
246.68	251.80	Vt;;Qak;Ra;;;					
		veinlet (1-5 mm) quartz-ankerite random					
		Greyish-white qtz-ankerite veinlets. Irregular and oblique tca.					
246.70	251.80	Py02	246.70	247.80	H406783	1.10	3.6
		Pyrite 2%	247.80	249.00	H406784	1.20	3.5
			249.00	250.00	H406785	1.00	2.98
			250.00	251.00	H406786	1.00	3.01
			251.00	251.80	H406787	0.80	2.32
251.80	252.90	Py03					
		Pyrite 3%					
		AutoInsert by "trg_updMineral" Updated					

Description			Assay				
			From	To	Sample number	Length	AuBest
251.80	266.05	Vt;2%;Qac;Ra;;Cp; **veinlet (1-5 mm) 2% quartz-ankerite-chlorite random Chalcopyrite** Greyish-white to pinky-orange qtz-ankerite-barite veinlets with selected incl of dk green chl. Irregular. Oblique to parallel tca. Trace isolated incl of chalcopyrite.	251.80	252.90	H406788	1.10	1.02
252.90	254.00	Py02 **Pyrite 2%** AutoInsert by "trg_updMineral" Updated	252.90	254.00	H406789	1.10	0.829
254.00	255.00	Py05 **Pyrite 5%** AutoInsert by "trg_updMineral" Updated	254.00	255.00	H406790	1.00	1.755
255.00	256.90	Py03 **Pyrite 3%**	255.00 256.00	256.00 257.00	H406791 H406792	1.00 1.00	2.13 2.87
256.90	258.00	Py02; Cp00.1; Mo00.1 **Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.1%** Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.	257.00	258.00	H406793	1.00	1.275
258.00	260.50	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.	258.00 259.00 259.50	259.00 259.50 260.50	H406794 H406795 H406796	1.00 0.50 1.00	0.915 1.385 0.78
260.50	261.30	Py02; Cp00.1 **Pyrite 2%; Chalcopyrite 0.1%** Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	260.50	261.30	H406797	0.80	1.33
261.30	266.05	V4; FlBand; Per **Trachyte; FLOWBANDED; PERLITIC** Med grey to mauve trachyte. Aphanitic groundmass with strong pervasive ankerite alteration. Flow-banded to perlitic with mm-scale faint banding. Moderate patchy potassic alteration and silicification. Core selectively broken. 1 to 2 pct fine disseminated py. White to pinky-orange qtz-ankerite and barite veinlets to hairlines cross-cutting flow-banding. Gradational upper ctc. Sharp lower ctc.					
261.30	266.05	Ank03; Si02; K01 **Ankerite 3; Silica 2; Potassic 1** Strong pervasive ankerite alteration. Moderate selective silicification. Weak patchy potassic alteration.	261.30 262.00	262.00 263.00	H406798 H406799	0.70 1.00	3.84 1.865
261.30	263.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled py.					
263.00	264.00	Py01 **Pyrite 1%** AutoInsert by "trg_updMineral" Updated	263.00	264.00	H406802	1.00	1.345
264.00	266.00	Py01 **Pyrite 1%** Fg disseminated to fracture controlled.	264.00 265.00	265.00 266.00	H406803 H406804	1.00 1.00	2.11 2.85

Description			Assay				
			From	To	Sample number	Length	AuBest
266.00	267.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.	266.00	267.00	H406805	1.00	1.955
266.05	329.30	V4; Fol; Tuff **Trachyte 35°; Foliated; TUFF** Pale yellowy-beige-green to med green foliated trachytic tuff. Very fine to fg groundmass with selected f-mg greyish-white subhedral feldspar crystals suspended within. Strong to moderate selective ankerite and sericite alteration. Moderate interstitial chl. Isolated patches of weak magnetite becoming pervasively disseminated downhole. Isolated patch of moderate pinky-red potassic alteration. Pervasive moderate to strong foliation oblique tca. Rich in white-beige to pink qtz-ankerite-feldspar veins to veinlets folded and undulose within foliation. Isolated dk green chloritic veinlets cross-cutting foliation. Trace to 2 pct f-mg euhedral fracture-controlled py. Sharp upper ctc. Gradational lower ctc.					
266.05	268.15	Ank03; Cl02; Mgt02 **Ankerite 3; Chlorite 2; Magnetite 2** Strong ankerite alteration with banding of moderate to strong dk green to black chl-magnetite.					
266.05	268.45	Vt;3%;Qak;Vc;;; **veinlet (1-5 mm) 3% quartz-ankerite vein cross-cutting foliation** Irregular white to greyish qtz-ankerite veinlets. Cross-cutting flow banding.					
267.00	268.00	Py01 **Pyrite 1%** Fg to f-mg disseminated to fracture controlled.	267.00	268.00	H406806	1.00	1.965
268.00	269.00	Py01; Cp00.1 **Pyrite 1%; Chalcopyrite 0.1%** Fg to f-mg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	268.00	269.00	H406807	1.00	1.43
268.15	292.00	Ank03; Cl03; Se02; Mgt01; K01 **Ankerite 3; Chlorite 3; Sericite 2; Magnetite 1; Potassic 1** Strong selective ankerite. Strong interstitial dk green chl alteration. Moderate to strong interstitial sericitization. Isolated weak magnetism. Isolated patch of moderate to strong potassic alteration.					
268.45	288.15	Vn;5%;Qak;Vn;;; **vein (5 mm - 10 cm) 5% quartz-ankerite vein parallel to foliation** White-beige to pink qtz-ankerite and feldspar veins to veinlets. Undulose and folded within fabric or rock.					
269.00	270.00	Py01 **Pyrite 1%** AutoInsert by "trg_updMineral" Updated	269.00	270.00	H406808	1.00	3.05
270.00	271.00	Py00.5 **Pyrite 0.5%**	270.00	271.00	H406809	1.00	2.39
271.00	279.00	Py01 **Pyrite 1%** Fg to f-mg fracture controlled.	271.00	272.00	H406810	1.00	0.786
			272.00	273.00	H406811	1.00	2.09
			273.00	274.00	H406812	1.00	1.03
			274.00	275.00	H406813	1.00	0.742

Description			Assay				
			From	To	Sample number	Length	AuBest
			275.00	276.00	H406814	1.00	0.289
			276.00	277.00	H406815	1.00	0.324
			277.00	278.00	H406816	1.00	0.354
			278.00	279.00	H406817	1.00	0.786
279.00	283.00	Py02	279.00	280.00	H406818	1.00	1.2
		Pyrite 2%	280.00	281.00	H406819	1.00	1.83
		Fg to f-mg fracture controlled.	281.00	282.00	H406820	1.00	2.78
			282.00	283.00	H406821	1.00	2.47
283.00	292.25	Py01	283.00	284.00	H406822	1.00	0.125
		Pyrite 1%	284.00	285.00	H406823	1.00	0.169
		Fg to f-mg fracture controlled.	285.00	286.00	H406824	1.00	1.76
			286.00	287.00	H406827	1.00	0.816
			287.00	288.00	H406828	1.00	2.01
			288.00	289.00	H406829	1.00	0.536
288.15	291.15	Vn;3%;Qac;Vc;;;	289.00	290.00	H406830	1.00	1.55
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite vein cross-cutting foliation	290.00	291.00	H406831	1.00	6.95
		White to dk green qtz-ankerite-chl veins to veinlets both cross-cutting and parallel to foliation. Selectively	291.00	292.25	H406832	1.25	1.99
		folded and irregular. Isolated potassic alteration.					
291.15	303.00	Vn;2%;Qac;Vc;;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein cross-cutting foliation					
		White-beige to dk green and pinky-red qtz-ankerite and feldspar veining with selected dk green chl					
		veinlets. Folded and undulose as well as selectively oriented along foliation.					
291.57	291.60	Ctc Flt					
		Cataclastic Fault 50°					
		chlorite mud no sulfar					
292.00	303.00	Ank03; Se03; Cl02; Mgt01					
		Ankerite 3; Sericite 3; Chlorite 2; Magnetite 1					
		Strong pervasive ankerite alteration with strong interstitial sericitization. Isolated med to dk green					
		interstitial chl. Isolated patches of weak to moderate magnetite.					
292.25	297.00	Py00.1	292.25	293.00	H406833	0.75	0.286
		Pyrite 0.1%	293.00	294.00	H406834	1.00	0.214
		Fg to f-mg fracture controlled.	294.00	295.00	H406835	1.00	0.408
			295.00	296.00	H406836	1.00	0.982
			296.00	297.00	H406837	1.00	0.679
			297.00	298.00	H406838	1.00	0.196
			298.00	299.00	H406839	1.00	0.443

Description			Assay				
			From	To	Sample number	Length	AuBest
299.00	302.00	Py00.1	299.00	300.00	H406840	1.00	0.312
		Pyrite 0.1%	300.00	301.00	H406841	1.00	2.19
		Fg to f-mg euhedral and fracture controlled.	301.00	302.00	H406842	1.00	0.839
			302.00	303.00	H406843	1.00	0.26
303.00	325.50	Ank03; Cl03; Se02; Mgt01	303.00	304.00	H406844	1.00	1.25
		Ankerite 3; Chlorite 3; Sericite 2; Magnetite 1					
		Strong pervasive ankerite alteration. Moderate to strong med green interstitial chloritization. Moderate wispy and interstitial sericitization. Isolated patches of weak magnetite.					
303.00	303.15	Vm;85%;Qak;Ra;;;					
		major vein (10 cm or greater) 85% quartz-ankerite random					
		Greyish-white to mauve lg qtz vein with ankerite incl. Isolated med to dk green chl flakes. Isolated feldspar incl. Distinct but irregular margins.					
303.15	329.25	Vn;3%;Qak;Vn;;;	304.00	305.00	H406845	1.00	0.42
		vein (5 mm - 10 cm) 3% quartz-ankerite vein parallel to foliation					
		White-beige qtz-ankerite veins and veinlets with selective incl of dk green chl. Isolated pinky-beige with feldspar. Folded and undulose within foliation. Seletively cross-cutting foliation.					
305.00	311.00	Py00.1	305.00	306.00	H406846	1.00	0.901
		Pyrite 0.1%	306.00	307.00	H406847	1.00	0.32
		Fg to f-mg euhedral and fracture controlled.	307.00	308.00	H406848	1.00	0.192
			308.00	309.00	H406849	1.00	0.098
			309.00	310.00	H406852	1.00	0.115
			310.00	311.00	H406853	1.00	0.875
			311.00	312.00	H406854	1.00	0.047
312.00	313.00	Py00.1	312.00	313.00	H406855	1.00	0.071
		Pyrite 0.1%	313.00	314.00	H406856	1.00	0.048
		F-mg euhedral and vein controlled.					
314.00	317.00	Py00.1	314.00	315.00	H406857	1.00	1.2
		Pyrite 0.1%	315.00	316.00	H406858	1.00	0.12
		Fg to f-mg euhedral and fracture controlled.	316.00	317.00	H406859	1.00	0.015
			317.00	318.00	H406860	1.00	0.023
			318.00	319.00	H406861	1.00	0.054
			319.00	320.00	H406862	1.00	0.016
			320.00	321.00	H406863	1.00	0.013
			321.00	322.00	H406864	1.00	0.049
			322.00	323.00	H406865	1.00	0.156
			323.00	324.00	H406866	1.00	0.096

Description			Assay				
			From	To	Sample number	Length	AuBest
			324.00	325.00	H406867	1.00	0.192
			325.00	326.20	H406868	1.20	0.385
325.50	332.00	Ank03; Se03; Cl01; Mgt01					
		Ankerite 3; Sericite 3; Chlorite 1; Magnetite 1					
		Strong selective ankerite-sericite alteration. Isolated weak interstitial chl-magnetite.					
326.20	329.95	V4MTL	326.20	327.00	H406869	0.80	0.107
		Trachyte mafic tuff lapilli 65°	327.00	328.00	H406870	1.00	0.045
		Transitional to sediments "wacke"	328.00	329.25	H406871	1.25	0.083
329.25	333.80	Vt;2%;Qak;In;70°;;	329.25	330.00	H406872	0.75	<0.005
		veinlet (1-5 mm) 2% quartz-ankerite infilled fractures 70°					
		Greyish-beige qtz-ankerite veinlets to hairlines oriented within foliation. Few larger veinlets cross-cutting.					
329.30	348.05	V4; Fol; PorFG	330.00	331.00	H406873	1.00	0.011
		Trachyte 50°; Foliated; PORPHYRITIC (FINE GROUNDMASS)					
		Pale yellowy-beige to med green porphyritic trachytic. Very fine to fg groundmass with moderate to strong ankerite-sericite to chl alteration. F-mg rounded chloritized phenocrysts elongated within foliation to subhedral lath and hexagonal shapes. Phenocryst are selectively pale beige and ankeritized with sub-rounded to lensoidal morphologies. Pervasive moderate to strong foliation oblique tca. White-beige to pink qtz-ankerite-feldspar veins to veinlets folded and undulose within foliation. Selective pink to greyish-white calcite veining oriented within foliation. Trace to 0.5 pct f-mg euhedral fracture-controlled py. Gradational ctcs.					
331.00	332.00	Py00.2	331.00	332.00	H406874	1.00	0.03
		Pyrite 0.2%					
		F-mg euhedral and clustered around veining.					
332.00	357.00	Se03; Ank02; Cl02; Mgt01	332.00	333.00	H406877	1.00	<0.005
		Sericite 3; Ankerite 2; Chlorite 2; Magnetite 1	333.00	334.00	H406878	1.00	0.015
		Strong interstitial sericite. Moderate to strong selective ankerite alteration. Moderate interstitial med green chlorite alteration. Isolated patches of weak to moderate magnetite.					
332.00	334.00	Py00.1					
		Pyrite 0.1%					
		Fg to f-mg euhedral and fracture controlled.					
333.80	354.00	Vn;4%;Qak Ca;Ra;;;					
		vein (5 mm - 10 cm) 4% quartz-ankerite calcite random					
		Yellowy-beige to pink qtz-ankerite-feldspar veins folded and undulose within foliation. Large veins with selected pegmatitic textures. Selective pinky-grey calcite veinlets oriented within foliation.					
334.00	335.00	Py00.5	334.00	335.00	H406879	1.00	0.198
		Pyrite 0.5%					
		F-mg euhedral and fracture controlled.					
335.00	337.00	Py00.2	335.00	336.00	H406880	1.00	0.033
		Pyrite 0.2%	336.00	337.00	H406881	1.00	0.035
		F-mg euhedral vein associated and fracture controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
337.00	340.00	Py00.1	337.00	337.70	H406882	0.70	0.035
		Pyrite 0.1%	337.70	339.00	H406883	1.30	<0.005
		F-mg euhedral vein associated and fracture controlled.	339.00	339.95	H406884	0.95	0.178
339.95	341.25	V4Taggl	339.95	341.00	H406885	1.05	0.287
		Trachyte tuff agglomerate 80°					
		infilled quartz-carbontes-hematite veins 7-10 cm @70 dg/ac					
340.00	341.00	Py00.5	341.00	342.00	H406886	1.00	0.048
		Pyrite 0.5%	342.00	343.00	H406887	1.00	<0.005
		F-mg euhedral vein associated and fracture controlled.					
343.00	345.30	Py00.1	343.00	344.00	H406888	1.00	0.024
		Pyrite 0.1%					
		F-mg euhedral vein associated and fracture controlled.					
344.00	344.70	V4alb	344.00	344.70	H406889	0.70	0.846
		trachyte albitized	344.70	345.30	H406890	0.60	0.065
			345.30	346.00	H406891	0.70	<0.005
			346.00	347.00	H406892	1.00	0.009
347.00	348.00	Py00.2	347.00	348.00	H406893	1.00	0.181
		Pyrite 0.2%					
		F-mg euhedral vein associated and fracture controlled.					
348.00	352.00	Py00.1	348.00	349.00	H406894	1.00	0.338
		Pyrite 0.1%					
		F-mg euhedral vein associated and fracture controlled.					
348.05	400.50	V4; Fol; Tuff					
		Trachyte 70°; Foliated; TUFF					
		Pale yellowy-beige-green to dk green foliated trachytic tuff. Very fine to fg groundmass with selected f-mg greyish-white subhedral carbonate altered feldspar crystals suspended within. Strong to moderate selective ankerite weakening downhole and transitioning to calcite dominant at 378m. Moderate to strong interstitial chl becoming pervasive downhole. Moderate pervasively disseminated magnetite. Pervasive moderate to strong foliation oblique tca. Rich in white-beige to pink-red qtz-ankerite-feldspar veins to veinlets folded and undulose within foliation showing pegmatitic texture. Selective calcite veins to veinlets becoming dominant after 378m. Trace to 0.1 pct f-mg euhedral fracture-controlled py. Gradational upper ctc.					
348.40	348.80	V4M	349.00	350.00	H406895	1.00	0.451
		Trachyte mafic 70°					
349.94	350.17	V4M	350.00	351.00	H406896	1.00	0.153
		Trachyte mafic 70°	351.00	352.00	H406897	1.00	0.036
			352.00	353.00	H406898	1.00	<0.005
			353.00	354.00	H406899	1.00	0.038
354.00	365.00	Vn;2%;Qcr;In;;;	354.00	355.00	H406902	1.00	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 2% quartz-carbonate infilled fractures	355.00	356.00	H406903	1.00	0.01
			356.00	357.00	H406904	1.00	0.007
357.00	378.00	Cl02; Ank02; Se02; Mgt02	357.00	358.00	H406905	1.00	0.005
		Chlorite 2; Ankerite 2; Sericite 2; Magnetite 2	358.00	359.00	H406906	1.00	0.007
		Moderate to strong med green chloritization. Moderate selective ankerite alteration. Moderate interstitial	359.00	360.00	H406907	1.00	0.008
		sericite. Moderate disseminated magnetism.	360.00	361.00	H406908	1.00	0.007
			361.00	362.00	H406909	1.00	0.006
			362.00	363.00	H406910	1.00	0.01
			363.00	364.00	H406911	1.00	0.005
			364.00	365.00	H406912	1.00	0.006
365.00	365.70	Vn;20%;Qcr;In;;;	365.00	365.70	H406913	0.70	0.007
		vein (5 mm - 10 cm) 20% quartz-carbonate infilled fractures					
		20 cm quartz veins, chl fragments					
365.70	366.40	Vn;30%;Qcr;In;;;	365.70	366.40	H406914	0.70	0.007
		vein (5 mm - 10 cm) 30% quartz-carbonate infilled fractures					
		Flooding and infilled quartz-carbonates veinlets, spotty hematized.					
366.40	369.00	Py00.1	366.40	367.00	H406915	0.60	0.005
		Pyrite 0.1%					
		F-mg euhedral vein associated.					
366.40	367.00	Vn;15%;Qcr;In;;;					
		vein (5 mm - 10 cm) 15% quartz-carbonate infilled fractures					
		Flooding and infilled quartz-carbonates veinlets, spotty hematized.					
367.00	368.00	Vn;7%;Qcr;In;;Py00.2;	367.00	368.00	H406916	1.00	0.007
		vein (5 mm - 10 cm) 7% quartz-carbonate infilled fractures Pyrite 0.2%					
		infilled quartz-carbonates veins 2-10 cm strongly hematized locally					
368.00	369.00	Vn;18%;Qcr;In;60°;Py00.3;	368.00	369.00	H406917	1.00	0.191
		vein (5 mm - 10 cm) 18% quartz-carbonate infilled fractures 60° Pyrite 0.3%					
		2-10 cm hamatized quartz veins, locally with traces of pyrite					
369.00	371.00	Vn;1%;;In;60°;;	369.00	370.00	H406918	1.00	0.009
		vein (5 mm - 10 cm) 1% infilled fractures 60°	370.00	371.00	H406919	1.00	0.009
371.00	372.00	Vn;3%;Qcr;In;;;	371.00	372.00	H406920	1.00	<0.005
		vein (5 mm - 10 cm) 3% quartz-carbonate infilled fractures					
		many small quartz carbonates veins and veinlets					
372.00	381.00	Vn;0.5%;Qcr;In;;;	372.00	373.00	H406921	1.00	<0.005
		vein (5 mm - 10 cm) 0.5% quartz-carbonate infilled fractures	373.00	374.00	H406922	1.00	<0.005
			374.00	375.00	H406923	1.00	<0.005
			375.00	376.00	H406924	1.00	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			376.00	377.00	H406927	1.00	<0.005
			377.00	378.00	H406928	1.00	0.091
378.00	400.50	Cl03; Mgt02; Ca01; Ank01	378.00	379.00	H406929	1.00	0.086
		Chlorite 3; Magnetite 2; Calcite 1; Ankerite 1	379.00	380.00	H406930	1.00	0.009
		Strong pervasive med to dk green chl alteration. Moderate disseminated magnetite. Weak selective to interstitial calcite alteration. Weak selective ankerite alteration.	380.00	381.00	H406931	1.00	0.006
381.00	390.85	Vn;2%;Qcr;In;70°;;	381.00	382.00	H406932	1.00	0.029
		vein (5 mm - 10 cm) 2% quartz-carbonate infilled fractures 70°	382.00	383.00	H406933	1.00	<0.005
			383.00	384.00	H406934	1.00	<0.005
			384.00	385.00	H406935	1.00	0.011
			385.00	386.00	H406936	1.00	0.007
			386.00	387.00	H406937	1.00	0.018
			387.00	388.00	H406938	1.00	0.046
			388.00	389.00	H406939	1.00	0.01
			389.00	390.00	H406940	1.00	0.013
			390.00	390.85	H406941	0.85	0.018
390.85	391.50	Vn;70%;Qcr;In;60°;;	390.85	391.50	H406942	0.65	0.005
		vein (5 mm - 10 cm) 70% quartz-carbonate infilled fractures 60°					
		Higthy hematized quartz -carbonates veins 5-40 cm					
391.50	392.20	Vn;4%;Qcr;In;60°;;	391.50	392.20	H406943	0.70	0.009
		vein (5 mm - 10 cm) 4% quartz-carbonate infilled fractures 60°					
		Small hematized quartz carbontes veins and veinlets sub // to the foliation 50-70 dg/CA					
392.20	397.00	Vn;4%;Qcr;In;60°;;	392.20	393.00	H406944	0.80	<0.005
		vein (5 mm - 10 cm) 4% infilled fractures 60°	393.00	394.00	H406945	1.00	<0.005
			394.00	395.00	H406946	1.00	0.009
			395.00	396.00	H406947	1.00	0.416
			396.00	397.00	H406948	1.00	0.022
397.00	398.00	Py00.2					
		Pyrite 0.2%					
		F-mg eu-subhedral py.					
397.00	398.00	Vn;6%;Qcr;In;60°;;	397.00	398.00	H406949	1.00	0.122
		vein (5 mm - 10 cm) 6% quartz-carbonate infilled fractures 60°					
398.00	399.00	Vn;2%;Qcr;In;50°;;	398.00	399.00	H406952	1.00	<0.005
		vein (5 mm - 10 cm) 2% quartz-carbonate infilled fractures 50°					
399.00	399.85	Vn;4%;Qcr;In;40°;;	399.00	399.85	H406953	0.85	<0.005
		vein (5 mm - 10 cm) 4% quartz-carbonate infilled fractures 40°					
		Hematized quartz-carbonates veins 2-5 cm					

Description			Assay				
			From	To	Sample number	Length	AuBest
399.85	400.50	Vn;40%;Qcr;In;60°;; **vein (5 mm - 10 cm) 40% quartz-carbonate infilled fractures 60°** Hematized Quartz carbonates veins 2-30 cm 40-60 dg/CA,	399.85	400.50	H406954	0.65	0.071
400.50	**End of DDH** **Number of samples: 372** **Number of QAQC samples: 32** **Total sampled length: 364.50**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_26

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Gilles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	31/01/2014	Description date:	03/02/2014
		To:	05/02/2014		

Collar

Azimuth: 180.0°
Dip: -52.0°
Length: 501.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	20,450.0	20,450.000	582,808.886
North	12,150.0	12,150.000	5,331,453.947
Elevation	11,131.0	11,131.000	344.430

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-62.0°	No	
ReflexEZS	39.00	180.7°	-62.5°	No	Mag = 55142
ReflexEZS	90.00	180.7°	-63.0°	No	Mag = 55647
ReflexEZS	150.00	180.0°	-63.3°	No	Mag = 55243
ReflexEZS	210.00	181.5°	-63.7°	No	Mag = 55365
ReflexEZS	270.00	185.2°	-63.8°	No	Mag = 55268
ReflexEZS	330.00	181.8°	-63.1°	No	Mag = 55021
ReflexEZS	390.00	176.6°	-60.3°	No	Mag = 55412
ReflexEZS	450.00	178.1°	-59.1°	No	Mag = 55071
ReflexEZS	501.00	178.8°	-58.3°	No	Mag = 55139

Description

Re-Logged by Ciara Cooke in May 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	29.00	OVB **Overburden** Overburden indicate @ 30 m. We have homogenous fragments of porphyry trachyte (30 cm) and mafique trachyte(40 cm) between@ 29-30 m.					
29.00	120.00	V4; Per; **Trachyte; PERLITIC;** Pinkish-reddish mauve coloured trachyte. Intense potassic and ankerite alteration. Quench textures - predominantly perlitic fracturing of glassy groundmass. Several dk green quench margins within upper 40.5m showing strong chloritic alteration and abundant irregular ankerite veining and fragments. Sporadic flow tops or quench margins downhole with beige-brown colouring and strong ankerite alteration. Minor localized clusters of f-mg euhedral grey to white lath shaped feldspar crystals. Few isolated and barren greyish-white albite-qtz and chl veins brecciating mineralized trachyte with large vein zone spanning from 105-121m. Isolated halos of deep to bright red surrounding hematite veinlets.	29.00	30.00	H406955	1.00	0.067
			30.00	31.00	H406956	1.00	0.131
			31.00	32.00	H406957	1.00	0.122
			32.00	33.05	H406958	1.05	0.138
			33.05	33.93	H406959	0.88	0.054
			33.93	34.90	H406960	0.97	0.213
			34.90	35.50	H406961	0.60	0.575
			35.50	36.15	H406962	0.65	0.294
			36.15	37.00	H406963	0.85	0.204
			37.00	38.00	H406964	1.00	0.207
			38.00	39.00	H406965	1.00	0.277
			39.00	39.87	H406966	0.87	0.097
29.00	39.87	Py00.5 **Pyrite 0.5%**					
39.87	40.27	Py00.5 **Pyrite 0.5%** AutoInsert by "trg_updMineral" Updated	39.87	40.27	H406967	0.40	0.033
			40.27	41.00	H406968	0.73	0.271
			41.00	41.55	H406969	0.55	0.234
41.55	42.00	Py00.5 **Pyrite 0.5%** AutoInsert by "trg_updMineral" Updated	41.55	42.00	H406970	0.45	0.08
			42.00	42.45	H406971	0.45	0.029
			42.45	43.00	H406972	0.55	0.32
			43.00	43.50	H406973	0.50	0.22
43.50	44.00	Py00.5 **Pyrite 0.5%** AutoInsert by "trg_updMineral" Updated	43.50	44.00	H406974	0.50	0.291
44.00	45.00	Py01 **Pyrite 1%** AutoInsert by "trg_updMineral" Updated	44.00	45.00	H406977	1.00	0.125
45.00	55.00	Py00.5; Py00.5 **Pyrite 0.5%; Pyrite 0.5%** fine diss py	45.00	46.00	H406978	1.00	0.239
			46.00	47.00	H406979	1.00	0.156
			47.00	48.00	H406980	1.00	0.22
			48.00	49.00	H406981	1.00	0.286
			49.00	50.00	H406982	1.00	0.331

Description			Assay				
			From	To	Sample number	Length	AuBest
			50.00	51.00	H406983	1.00	0.36
			51.00	52.10	H406984	1.10	0.236
			52.10	53.00	H406985	0.90	0.335
			53.00	54.00	H406986	1.00	0.3
			54.00	55.00	H406987	1.00	0.226
			55.00	56.00	H406988	1.00	0.244
			56.00	57.00	H406989	1.00	0.193
			57.00	58.00	H406990	1.00	0.202
			58.00	59.00	H406991	1.00	0.237
			59.00	60.00	H406992	1.00	0.179
			60.00	61.00	H406993	1.00	0.258
			61.00	62.00	H406994	1.00	0.215
			62.00	63.00	H406995	1.00	0.209
			63.00	64.00	H406996	1.00	0.13
			64.00	65.00	H406997	1.00	0.211
			65.00	66.00	H406998	1.00	0.143
			66.00	67.00	H406999	1.00	0.112
			67.00	68.00	H407152	1.00	0.151
68.00	74.00	Py00.5	68.00	68.60	H407153	0.60	0.149
		Pyrite 0.5%	68.60	69.70	H407154	1.10	0.189
			69.70	70.60	H407155	0.90	0.227
			70.60	71.45	H407156	0.85	0.426
			71.45	72.00	H407157	0.55	0.761
			72.00	73.00	H407158	1.00	0.4
			73.00	74.00	H407159	1.00	0.159
			74.00	75.00	H407160	1.00	0.259
			75.00	76.00	H407161	1.00	0.242
			76.00	77.00	H407162	1.00	0.303
77.00	105.00	Py00.5	77.00	78.00	H407163	1.00	0.311
		Pyrite 0.5%	78.00	79.00	H407164	1.00	0.288
		fine diss py	79.00	80.00	H407165	1.00	0.238
			80.00	81.00	H407166	1.00	0.201
			81.00	82.00	H407167	1.00	0.259
			82.00	83.00	H407168	1.00	0.389

Description			Assay				
			From	To	Sample number	Length	AuBest
			83.00	84.00	H407169	1.00	0.409
			84.00	85.00	H407170	1.00	0.442
			85.00	86.00	H407171	1.00	0.246
			86.00	87.00	H407172	1.00	0.335
			87.00	88.00	H407173	1.00	0.303
			88.00	89.00	H407174	1.00	0.161
			89.00	90.00	H407177	1.00	0.479
			90.00	91.00	H407178	1.00	0.674
			91.00	92.00	H407179	1.00	0.51
			92.00	93.00	H407180	1.00	0.357
			93.00	94.00	H407181	1.00	0.517
			94.00	95.00	H407182	1.00	0.423
			95.00	96.00	H407183	1.00	0.934
			96.00	97.00	H407184	1.00	0.608
			97.00	98.00	H407185	1.00	0.722
			98.00	99.00	H407186	1.00	0.762
			99.00	100.00	H407187	1.00	0.94
			100.00	101.00	H407188	1.00	0.382
			101.00	102.00	H407189	1.00	1.61
			102.00	103.00	H407190	1.00	0.484
			103.00	104.00	H407191	1.00	0.449
			104.00	105.00	H407192	1.00	0.508
105.00	121.00	BX; CVZ	105.00	105.65	H407193	0.65	0.033
		Breccia 30°; Carb Vein Zone	105.65	106.50	H407194	0.85	0.014
		Massive brecciated ankerite-albite vein. Greyish white and massive with potassic altered sub-angular	106.50	107.20	H407195	0.70	0.015
		wall rock fragments ranging from fine to coarse sized.	107.20	108.00	H407196	0.80	0.008
			108.00	109.00	H407197	1.00	0.011
			109.00	110.00	H407198	1.00	<0.005
			110.00	110.65	H407199	0.65	<0.005
			110.65	111.35	H407202	0.70	0.064
			111.35	112.00	H407203	0.65	0.042
			112.00	113.00	H407204	1.00	0.059
			113.00	114.00	H407205	1.00	0.01
			114.00	115.00	H407206	1.00	0.053

Description			Assay				
			From	To	Sample number	Length	AuBest
			115.00	116.00	H407207	1.00	0.046
			116.00	117.00	H407208	1.00	0.114
			117.00	118.00	H407209	1.00	0.116
			118.00	119.00	H407210	1.00	0.098
119.00	123.65	Py00.5 **Pyrite 0.5%** fine py	119.00	120.00	H407211	1.00	0.111
120.00	123.75	V4; Lithic; Per **Trachyte; LITHIC; PERLITIC** Pinkish-red coloured trachyte. Strong potassic and ankerite alteration. Quench textures - predominantly perlitic fracturing of glassy groundmass. Irregular shaped and dispersed med to coarse lithic fragments - three types - one greyish white potassic altered; one dk grey and magnetic and the other dk red. Large vein zone spanning from 105-121m.	120.00	121.00	H407212	1.00	0.208
			121.00	122.00	H407213	1.00	0.323
			122.00	123.00	H407214	1.00	0.393
			123.00	123.65	H407215	0.65	0.301
			123.65	124.80	H407216	1.15	0.053
123.71	127.47	FTH **Flow Top/Hyaloclastite 70°** Med to dk green chilled flow margin. Glassy groundmass with dk green chl alteration. Sharp upper contact with brecciation at lower contact. Ankerite-albite-qtz veining. Irregular sharp fragmentation.					
123.75	127.41	; Mass; Phan **; Massive; PHANERITIC** Med green fg diabase dyke. Massive fg phaneritic. Subhedral dk green-black chl-biotite altered pyroxene and hornblend crystals intergrown with chl-sericite-epidote altered feldspars. Moderate pervasive magnetism. Mottled patches of pseudo-brecciation. Ankerite-feldspar-qtz veining. Traces of very fg py. Sharp upper contact. Hydrothermal brecciation at lower contact.	124.80	125.80	H407217	1.00	0.104
			125.80	126.80	H407218	1.00	0.009
126.80	144.00	Py00.5 **Pyrite 0.5%**	126.80	127.55	H407219	0.75	0.031
127.41	147.00	V4; Lithic; Per **Trachyte; LITHIC; PERLITIC** Pinkish-red coloured trachyte. Strong potassic and ankerite alteration. Quench textures - predominantly perlitic fracturing of glassy groundmass. Irregular shaped and dispersed med to coarse lithic fragments - three types - one greyish white potassic altered; one dk grey and magnetic and the other dk red. Large vein zone spanning from 105-121m.	127.55	128.35	H407220	0.80	0.107
			128.35	129.20	H407221	0.85	0.12
			129.20	130.00	H407222	0.80	0.216
			130.00	131.00	H407223	1.00	0.365
			131.00	132.00	H407224	1.00	0.345
			132.00	133.00	H407227	1.00	0.442
			133.00	134.00	H407228	1.00	1.175
			134.00	135.00	H407229	1.00	0.525
			135.00	136.00	H407230	1.00	0.131
			136.00	137.00	H407231	1.00	0.251
			137.00	138.00	H407232	1.00	0.173
			138.00	139.00	H407233	1.00	0.311

Description			Assay				
			From	To	Sample number	Length	AuBest
			139.00	140.00	H407234	1.00	0.164
			140.00	141.00	H407235	1.00	0.355
			141.00	142.00	H407236	1.00	0.341
			142.00	143.00	H407237	1.00	0.474
143.00	147.10	CVZ	143.00	144.00	H407238	1.00	0.064
		Carb Vein Zone	144.00	145.00	H407239	1.00	0.026
		Massive greyish-white ankerite-albite vein. Minor brecciation of potassic altered and glassy trachyte.	145.00	146.00	H407240	1.00	0.006
			146.00	147.20	H407241	1.20	0.01
147.00	168.60	V4; Cry; Per	147.20	148.00	H407242	0.80	0.087
		Trachyte; CRYSTALRICH; PERLITIC					
		Pinky-grey crystal rich trachyte. Aphanitic glassy matrix with perlitic texture. Abundance of 2-5mm greyish-white to pinky subhedral rounded feldspar crystals. Massive vein zones with greyish-white ankerite-albite flooding and brecciating the trachyte. Vein zones are barren with respect to mineralization.					
148.00	163.00	Py00.5	148.00	149.00	H407243	1.00	0.082
		Pyrite 0.5%	149.00	150.00	H407244	1.00	0.077
		fine to locally massive diss py	150.00	151.00	H407245	1.00	0.046
			151.00	152.00	H407246	1.00	0.061
			152.00	153.00	H407247	1.00	0.058
			153.00	154.00	H407248	1.00	0.059
			154.00	155.00	H407249	1.00	0.052
			155.00	156.00	H407252	1.00	0.097
			156.00	157.00	H407253	1.00	0.079
			157.00	158.00	H407254	1.00	0.099
			158.00	159.00	H407255	1.00	0.086
			159.00	160.00	H407256	1.00	0.106
			160.00	161.00	H407257	1.00	0.133
			161.00	162.00	H407258	1.00	0.082
			162.00	163.00	H407259	1.00	0.071
			163.00	164.00	H407260	1.00	0.059
			164.00	165.00	H407261	1.00	0.086
			165.00	166.00	H407262	1.00	0.068
			166.00	166.80	H407263	0.80	0.059
			166.80	168.00	H407264	1.20	0.007
			168.00	169.00	H407265	1.00	0.014
168.60	266.55	V4; Lithic; Per	169.00	170.00	H407266	1.00	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte; LITHIC; PERLITIC Greyish-pink to brick red trachyte. Aphanitic glassy groundmass with minimal fg subhedral feldspar crystals. Fine to coarse angular lithic fragments - dominantly greyish-white with ankerite and potassic alteration and locally rimmed with dk green chl-magnetite veinlets. Trace veinlets and fragments altered with hematite. Unit is locally flooded with greyish-white ankerite-albite veining resulting in brecciation of trachyte. Vein zones are pretty much barren with respect to mineralization with py restricted to trachytic frags.	170.00	171.00	H407267	1.00	0.009
			171.00	172.00	H407268	1.00	<0.005
			172.00	173.00	H407269	1.00	0.017
			173.00	174.00	H407270	1.00	0.018
			174.00	175.00	H407271	1.00	0.022
			175.00	176.00	H407272	1.00	0.024
			176.00	177.00	H407273	1.00	0.017
			177.00	178.00	H407274	1.00	0.086
			178.00	179.00	H407277	1.00	0.012
			179.00	180.00	H407278	1.00	0.027
			180.00	181.00	H407279	1.00	<0.005
			181.00	182.00	H407280	1.00	0.006
			182.00	183.00	H407281	1.00	0.008
			183.00	184.00	H407282	1.00	0.014
			184.00	185.00	H407283	1.00	0.008
			185.00	186.00	H407284	1.00	0.015
			186.00	187.00	H407285	1.00	0.062
			187.00	187.90	H407286	0.90	0.137
			187.90	189.00	H407287	1.10	0.113
			189.00	190.00	H407288	1.00	0.059
			190.00	191.00	H407289	1.00	0.038
			191.00	192.00	H407290	1.00	0.037
			192.00	193.00	H407291	1.00	0.02
			193.00	193.70	H407292	0.70	0.026
			193.70	194.40	H407293	0.70	0.012
168.60	192.22	BX; CVZ **Breccia 40°; Carb Vein Zone** Massive brecciated ankerite-albite vein. Greyish white and massive with potassic altered sub-angular wall rock fragments ranging from fine to coarse sized.					
194.40	204.00	Py00.5 **Pyrite 0.5%** fine diss py	194.40	195.00	H407294	0.60	0.195
			195.00	196.00	H407295	1.00	0.161
			196.00	197.00	H407296	1.00	0.215
			197.00	198.00	H407297	1.00	0.172
			198.00	199.00	H407298	1.00	0.176
			199.00	200.00	H407299	1.00	0.15

Description			Assay				
			From	To	Sample number	Length	AuBest
			200.00	201.00	H407302	1.00	0.151
			201.00	202.00	H407303	1.00	0.133
			202.00	203.00	H407304	1.00	0.11
			203.00	204.00	H407305	1.00	0.12
204.00	206.00	Py01	204.00	205.00	H407306	1.00	0.116
		Pyrite 1%	205.00	206.00	H407307	1.00	0.133
		Diss and stringers py					
206.00	231.00	Py00.5	206.00	207.00	H407308	1.00	0.105
		Pyrite 0.5%	207.00	208.00	H407309	1.00	0.202
		patchy and diss pyrite	208.00	209.00	H407310	1.00	0.151
			209.00	210.00	H407311	1.00	0.521
			210.00	211.00	H407312	1.00	0.216
			211.00	212.00	H407313	1.00	0.337
			212.00	213.00	H407314	1.00	0.677
			213.00	214.00	H407315	1.00	0.276
			214.00	215.00	H407316	1.00	0.259
			215.00	216.00	H407317	1.00	0.073
			216.00	217.00	H407318	1.00	0.097
			217.00	218.00	H407319	1.00	0.097
			218.00	219.00	H407320	1.00	0.053
			219.00	220.00	H407321	1.00	0.155
			220.00	221.00	H407322	1.00	0.174
			221.00	222.00	H407323	1.00	0.077
			222.00	223.00	H407324	1.00	0.059
			223.00	224.00	H407327	1.00	0.09
			224.00	225.00	H407328	1.00	0.119
			225.00	226.00	H407329	1.00	0.103
			226.00	227.00	H407330	1.00	0.137
			227.00	228.00	H407331	1.00	0.086
			228.00	229.00	H407332	1.00	0.084
			229.00	230.00	H407333	1.00	0.081
			230.00	231.00	H407334	1.00	0.107
231.00	232.00	Py01	231.00	232.00	H407335	1.00	0.126
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					

Description			Assay				
			From	To	Sample number	Length	AuBest
232.00	233.00	Py00.5; Py00.5	232.00	233.00	H407336	1.00	0.147
		Pyrite 0.5%; Pyrite 0.5%					
		AutoInsert by "trg_updMineral" Updated					
233.00	237.00	Py01	233.00	234.00	H407337	1.00	0.109
		Pyrite 1%	234.00	235.00	H407338	1.00	0.142
			235.00	236.00	H407339	1.00	0.174
			236.00	237.00	H407340	1.00	0.096
237.00	273.00	Py00.5	237.00	238.00	H407341	1.00	0.144
		Pyrite 0.5%	238.00	239.00	H407342	1.00	0.378
		fine diss pyrite	239.00	240.00	H407343	1.00	0.162
			240.00	241.00	H407344	1.00	0.158
			241.00	242.00	H407345	1.00	0.668
			242.00	243.00	H407346	1.00	0.045
			243.00	244.00	H407347	1.00	0.021
			244.00	245.00	H407348	1.00	0.027
			245.00	246.00	H407349	1.00	0.023
			246.00	247.00	H407352	1.00	0.041
			247.00	247.60	H407353	0.60	0.023
			247.60	248.35	H407354	0.75	0.018
			248.35	249.20	H407355	0.85	0.105
			249.20	250.00	H407356	0.80	0.104
			250.00	251.00	H407357	1.00	0.132
			251.00	252.00	H407358	1.00	0.089
			252.00	253.00	H407359	1.00	0.088
			253.00	254.00	H407360	1.00	0.106
			254.00	255.00	H407361	1.00	0.656
			255.00	256.00	H407362	1.00	0.197
			256.00	257.00	H407363	1.00	0.4
			257.00	258.00	H407364	1.00	0.722
			258.00	259.00	H407365	1.00	0.347
			259.00	260.00	H407366	1.00	0.224
			260.00	261.00	H407367	1.00	0.18
			261.00	262.00	H407368	1.00	0.088
			262.00	263.00	H407369	1.00	0.092

Description			Assay				
			From	To	Sample number	Length	AuBest
			263.00	264.00	H407370	1.00	0.279
			264.00	265.00	H407371	1.00	0.064
			265.00	266.00	H407372	1.00	0.168
			266.00	266.60	H407373	0.60	0.098
266.55	277.75	V4; Per;	266.60	267.30	H407374	0.70	0.173
		Trachyte; PERLITIC;	267.30	268.00	H407377	0.70	0.121
		Brick red to greyish trachyte. Aphanitic glassy groundmass with perlitic quench textures. Intense potassic and	268.00	269.00	H407378	1.00	0.333
		ankerite alteration. Few chilled flow tops with dk green chl alteration of glassy groundmass. Hematite veinlets	269.00	270.00	H407379	1.00	0.284
		with alteration halos.	270.00	271.00	H407380	1.00	0.164
			271.00	272.00	H407381	1.00	0.211
			272.00	273.00	H407382	1.00	0.305
273.00	277.60	Py01	273.00	274.00	H407383	1.00	0.323
		Pyrite 1%	274.00	275.00	H407384	1.00	0.469
		fine diss py	275.00	276.00	H407385	1.00	0.473
			276.00	277.00	H407386	1.00	0.555
			277.00	277.60	H407387	0.60	0.22
277.60	281.00	Py03	277.60	278.30	H407388	0.70	0.874
		Pyrite 3%					
		fine diss py					
277.75	283.95	V4; Pep; FlBand	278.30	279.00	H407389	0.70	0.789
		Trachyte; PEPERITIC; FLOWBANDED	279.00	280.00	H407390	1.00	2.03
		Contact zone. Beige to reddish-grey unit with intense potassic and ankerite alteration. Very fg. Altered trachyte	280.00	281.00	H407391	1.00	6.45
		with dk green to black fg chl and magnetite altered sediments - peperitic texture - lower quenched contact unit.					
		Moderate flow banding. Localized hematite filled pressure seams.					
281.00	283.00	Py01	281.00	282.00	H407392	1.00	9.26
		Pyrite 1%	282.00	283.00	H407393	1.00	3.45
		Diss or infilled fractures					
283.00	290.00	Py00.5	283.00	284.04	H407394	1.04	5.21
		Pyrite 0.5%					
283.95	288.20	V4; Pep; Fol	284.04	285.00	H407395	0.96	0.299
		Trachyte; PEPERITIC; Foliated	285.00	285.70	H407396	0.70	0.305
		Contact zone. Pinky-grey to dk green-grey volcano-sedimentary unit. Strong pervasive foliation with abundant	285.70	286.40	H407397	0.70	0.288
		features indicating tectonic deformation including mantled porphyroblasts and s-c fabrics. Moderate to strong	286.40	287.00	H407398	0.60	0.14
		potassic and ankerite alteration with chl-magnetite alteration of sedimentary selvedges. Interstitial sericite	287.00	288.00	H407399	1.00	0.108
		oriented along foliation.	288.00	288.50	H407402	0.50	0.147
288.20	501.00	V4; Fol; Pyro	288.50	289.00	H407403	0.50	0.067

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte; Foliated; PYROCLASTIC Pale to med greyish-yellowy green becoming dk green downhole. Volcano-sedimentary unit. Tuffaceous trachyte with intercalated flows. Fg. Intense ankerite alteration weakening downhole. Intense dk green chl alteration with interstitial sericite and weak isolated calcite. Pervasive foliation and tectonic deformation with mantled porphyroblasts as well as S-C fabrics and micro-folding. Isolated weak hematite staining of veins and crystals. Sparse fine to coarse sub-rounded clasts sheared and oriented within foliation. White-beige ankerite-albite veining and pinky-grey qtz-albite-calcite veining. Disseminated f-mg eu-subhedral magnetite.	289.00	290.00	H407404	1.00	0.161
290.00	292.00	Py01 **Pyrite 1%** diss/ infilled fractures	290.00	291.00	H407405	1.00	0.153
			291.00	292.00	H407406	1.00	0.171
292.00	298.00	Py00.5 **Pyrite 0.5%** irreg diss locally inffilled fractures	292.00	292.70	H407407	0.70	0.077
			292.70	293.40	H407408	0.70	0.1
			293.40	294.00	H407409	0.60	0.012
			294.00	295.00	H407410	1.00	0.005
			295.00	296.00	H407411	1.00	0.089
			296.00	297.00	H407412	1.00	0.143
			297.00	298.00	H407413	1.00	0.046
			298.00	299.00	H407414	1.00	0.044
			299.00	300.00	H407415	1.00	0.027
300.00	304.00	Py00.5 **Pyrite 0.5%** fine py diss	300.00	301.00	H407416	1.00	0.125
			301.00	302.00	H407417	1.00	0.238
			302.00	303.00	H407418	1.00	0.051
			303.00	304.00	H407419	1.00	0.038
			304.00	305.00	H407420	1.00	0.025
			305.00	306.00	H407421	1.00	0.064
			306.00	307.00	H407422	1.00	0.033
307.00	329.00	Py00.5 **Pyrite 0.5%**	307.00	308.00	H407423	1.00	0.049
			308.00	309.00	H407424	1.00	0.06
			309.00	310.00	H407427	1.00	0.05
			310.00	311.00	H407428	1.00	0.16
			311.00	312.00	H407429	1.00	0.15
			312.00	313.00	H407430	1.00	0.098
			313.00	314.00	H407431	1.00	0.182
			314.00	315.00	H407432	1.00	0.157
			315.00	316.00	H407433	1.00	0.76
			316.00	317.00	H407434	1.00	0.017

Description			Assay				
			From	To	Sample number	Length	AuBest
			317.00	318.00	H407435	1.00	0.039
			318.00	319.00	H407436	1.00	0.135
			319.00	320.00	H407437	1.00	0.026
			320.00	321.00	H407438	1.00	0.061
			321.00	322.00	H407439	1.00	0.013
			322.00	323.00	H407440	1.00	0.005
			323.00	324.00	H407441	1.00	0.051
			324.00	325.00	H407442	1.00	0.009
			325.00	326.00	H407443	1.00	0.019
			326.00	327.00	H407444	1.00	0.02
			327.00	328.00	H407445	1.00	0.021
			328.00	329.00	H407446	1.00	0.133
329.00	330.00	Py01	329.00	330.00	H407447	1.00	0.139
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
330.00	341.00	Py00.5	330.00	331.00	H407448	1.00	0.017
		Pyrite 0.5%	331.00	332.00	H407449	1.00	0.009
		traces to 0.5%	332.00	333.00	H407452	1.00	0.014
			333.00	334.00	H407453	1.00	0.007
			334.00	335.00	H407454	1.00	0.066
			335.00	336.00	H407455	1.00	0.08
			336.00	337.00	H407456	1.00	0.123
			337.00	338.00	H407457	1.00	0.052
			338.00	339.00	H407458	1.00	0.017
			339.00	340.00	H407459	1.00	0.027
			340.00	341.00	H407460	1.00	0.24
			341.00	342.00	H407461	1.00	0.08
			342.00	343.00	H407462	1.00	0.028
			343.00	344.00	H407463	1.00	0.008
			344.00	345.00	H407464	1.00	0.016
			345.00	346.00	H407465	1.00	0.007
			346.00	347.00	H407466	1.00	0.02
			347.00	348.00	H407467	1.00	0.028
			348.00	349.00	H407468	1.00	<0.005
			349.00	350.00	H407469	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			350.00	351.00	H407470	1.00	<0.005
			351.00	352.00	H407471	1.00	0.009
			352.00	353.00	H407472	1.00	0.018
			353.00	354.00	H407473	1.00	0.035
			354.00	355.00	H407474	1.00	0.043
			355.00	356.00	H407477	1.00	0.021
			356.00	357.00	H407478	1.00	0.029
			357.00	358.00	H407479	1.00	<0.005
358.00	359.10	Py00.5	358.00	359.10	H407480	1.10	0.81
		Pyrite 0.5%	359.10	360.00	H407481	0.90	0.1
		AutoInsert by "trg_updMineral" Updated	360.00	361.00	H407482	1.00	0.008
			361.00	362.00	H407483	1.00	<0.005
			362.00	363.00	H407484	1.00	0.008
			363.00	364.00	H407485	1.00	0.175
			364.00	365.00	H407486	1.00	0.077
			365.00	366.00	H407487	1.00	0.293
			366.00	367.00	H407488	1.00	0.007
			367.00	368.00	H407489	1.00	0.024
			368.00	369.00	H407490	1.00	0.019
			369.00	370.00	H407491	1.00	0.063
			370.00	371.00	H407492	1.00	0.005
			371.00	372.00	H407493	1.00	0.007
			372.00	373.00	H407494	1.00	0.073
			373.00	374.00	H407495	1.00	0.005
			374.00	375.00	H407496	1.00	0.011
			375.00	376.00	H407497	1.00	0.008
			376.00	377.00	H407498	1.00	0.014
			377.00	378.00	H407499	1.00	0.011
			378.00	379.00	H410252	1.00	0.011
			379.00	380.00	H410253	1.00	0.005
			380.00	381.00	H410254	1.00	0.007
			381.00	382.00	H410255	1.00	<0.005
			382.00	383.00	H410256	1.00	0.008
			383.00	384.00	H410257	1.00	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
			384.00	385.00	H410258	1.00	0.008
			385.00	386.00	H410259	1.00	0.013
			386.00	387.00	H410260	1.00	0.008
387.00	401.00	Py00.5	387.00	388.20	H410261	1.20	0.011
		Pyrite 0.5%	388.20	389.00	H410262	0.80	<0.005
		trace to 0.5% generally close to the quartz veins	389.00	390.00	H410263	1.00	<0.005
			390.00	391.00	H410264	1.00	<0.005
			391.00	392.00	H410265	1.00	<0.005
			392.00	393.00	H410266	1.00	<0.005
			393.00	393.50	H410267	0.50	<0.005
			393.50	394.00	H410268	0.50	<0.005
			394.00	395.00	H410269	1.00	0.005
			395.00	396.00	H410270	1.00	<0.005
			396.00	397.00	H410271	1.00	0.008
			397.00	398.00	H410272	1.00	<0.005
			398.00	399.00	H410273	1.00	0.009
			399.00	400.00	H410274	1.00	<0.005
			400.00	401.00	H410277	1.00	<0.005
401.00	480.00	Py00.2	401.00	402.00	H410278	1.00	0.006
		Pyrite 0.2%	402.00	403.00	H410279	1.00	0.005
		traces of pyrite	403.00	404.00	H410280	1.00	0.006
			404.00	405.00	H410281	1.00	0.006
			405.00	406.06	H410282	1.06	0.008
			406.06	407.00	H410283	0.94	0.008
			407.00	408.00	H410284	1.00	<0.005
			408.00	409.00	H410285	1.00	<0.005
			409.00	410.00	H410286	1.00	<0.005
			410.00	411.00	H410287	1.00	0.007
			411.00	412.00	H410288	1.00	0.012
			412.00	413.00	H410289	1.00	<0.005
			413.00	414.00	H410290	1.00	<0.005
			414.00	415.00	H410291	1.00	0.007
			415.00	416.00	H410292	1.00	0.008
			416.00	417.00	H410293	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	417.00	418.00	H410294	1.00	0.005
	418.00	419.00	H410295	1.00	0.01
	419.00	420.00	H410296	1.00	0.011
	420.00	421.00	H410297	1.00	0.005
	421.00	422.00	H410298	1.00	0.008
	422.00	423.00	H410299	1.00	0.005
	423.00	424.00	H410302	1.00	0.008
	424.00	425.00	H410303	1.00	<0.005
	425.00	426.00	H410304	1.00	<0.005
	426.00	427.00	H410305	1.00	<0.005
	427.00	428.00	H410306	1.00	<0.005
	428.00	428.70	H410307	0.70	<0.005
	428.70	429.50	H410308	0.80	<0.005
	429.50	430.30	H410309	0.80	<0.005
	430.30	431.00	H410310	0.70	<0.005
	431.00	432.00	H410311	1.00	<0.005
	432.00	433.00	H410312	1.00	0.005
	433.00	434.00	H410313	1.00	0.005
	434.00	435.00	H410314	1.00	0.017
	435.00	436.00	H410315	1.00	0.012
	436.00	437.00	H410316	1.00	0.007
	437.00	438.00	H410317	1.00	0.008
	438.00	439.00	H410318	1.00	<0.005
	439.00	440.00	H410319	1.00	<0.005
	440.00	441.00	H410320	1.00	<0.005
	441.00	442.00	H410321	1.00	<0.005
	442.00	443.00	H410322	1.00	<0.005
	443.00	444.00	H410323	1.00	0.009
	444.00	445.00	H410324	1.00	0.013
	445.00	445.50	H410327	0.50	<0.005
	445.50	446.20	H410328	0.70	<0.005
	446.20	447.00	H410329	0.80	<0.005
	447.00	448.00	H410330	1.00	<0.005
	448.00	449.00	H410331	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			449.00	450.00	H410332	1.00	0.005
			450.00	451.00	H410333	1.00	<0.005
			451.00	452.00	H410334	1.00	<0.005
			452.00	453.00	H410335	1.00	<0.005
			453.00	454.00	H410336	1.00	<0.005
			454.00	455.00	H410337	1.00	<0.005
			455.00	456.00	H410338	1.00	<0.005
			456.00	457.00	H410339	1.00	0.006
			457.00	458.00	H410340	1.00	0.009
			458.00	459.00	H410341	1.00	<0.005
			459.00	460.00	H410342	1.00	0.005
			460.00	461.00	H410343	1.00	<0.005
			461.00	462.00	H410344	1.00	<0.005
			462.00	463.00	H410345	1.00	<0.005
			463.00	464.00	H410346	1.00	0.015
			464.00	465.00	H410347	1.00	0.008
			465.00	466.00	H410348	1.00	<0.005
			466.00	467.00	H410349	1.00	<0.005
			467.00	468.00	H410352	1.00	<0.005
			468.00	469.00	H410353	1.00	0.007
			469.00	470.00	H410354	1.00	<0.005
			470.00	471.00	H410355	1.00	<0.005
			471.00	472.00	H410356	1.00	<0.005
			472.00	473.00	H410357	1.00	<0.005
			473.00	474.00	H410358	1.00	<0.005
			474.00	475.00	H410359	1.00	<0.005
			475.00	476.00	H410360	1.00	<0.005
			476.00	477.00	H410361	1.00	<0.005
			477.00	478.00	H410362	1.00	<0.005
			478.00	479.00	H410363	1.00	0.009
			479.00	480.00	H410364	1.00	0.005
480.00	482.00	Py00.5	480.00	481.00	H410365	1.00	<0.005
		Pyrite 0.5%	481.00	482.00	H410366	1.00	<0.005
		diss py					

Description			Assay				
			From	To	Sample number	Length	AuBest
482.00	501.00	Py00.2	482.00	483.00	H410367	1.00	<0.005
		Pyrite 0.2%	483.00	484.00	H410368	1.00	<0.005
		traces of pyrite	484.00	485.00	H410369	1.00	0.022
			485.00	486.00	H410370	1.00	<0.005
			486.00	487.00	H410371	1.00	<0.005
			487.00	488.00	H410372	1.00	0.026
			488.00	489.00	H410373	1.00	<0.005
			489.00	490.00	H410374	1.00	<0.005
			490.00	491.00	H410377	1.00	<0.005
			491.00	492.00	H410378	1.00	<0.005
			492.00	493.00	H410379	1.00	<0.005
			493.00	494.00	H410380	1.00	<0.005
			494.00	495.00	H410381	1.00	<0.005
			495.00	496.00	H410382	1.00	<0.005
			496.00	497.00	H410383	1.00	<0.005
			497.00	498.00	H410384	1.00	<0.005
			498.00	499.00	H410385	1.00	<0.005
			499.00	500.00	H410386	1.00	0.005
			500.00	501.00	H410387	1.00	<0.005
501.00	**End of DDH**						
	Number of samples: 491						
	Number of QAQC samples: 42						
	Total sampled length: 472.00						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_27

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Frank Ploeger	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	30/01/2014	Description date:	14/02/2014
		To:	06/02/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 459.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,859.385
North	0.0	0.000	5,331,420.754
Elevation	0.0	0.000	343.813

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	60.00	177.0°	-51.5°	No	Mag = 55171
ReflexEZS	120.00	176.5°	-51.9°	No	Mag = 55226
ReflexEZS	180.00	177.6°	-52.3°	No	Mag = 55136
ReflexEZS	240.00	180.6°	-52.5°	No	Mag = 55536
ReflexEZS	300.00	181.3°	-52.3°	No	Mag = 54939
ReflexEZS	360.00	178.6°	-52.2°	No	Mag = 56134
ReflexEZS	390.00	184.2°	-52.4°	No	Mag = 55395
ReflexEZS	459.00	185.5°	-51.7°	No	Mag = 54077 -

Description

The core is systematically tested for carbonate composition using potassium ferricyanide (KFC) to check for ankerite (blue stain) and dilute hydrochloric acid (HCl) which fizzes in contact with calcite. Also, the various lithologies are checked for magnetic strength. Re-Logged by Ciara Cooke in August 2014.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	45.45	OVB **Overburden** The driller's blocks indicate 43m of NM casing with the first footager block at 45m, however, in measuring back from blocks at known end of runs, the actual start of coring is at 45.45m. Although oxidized on slips, this represents the start of the host lithology.					
45.45	159.45	V4; Per; Cry **Trachyte; PERLITIC; CRYSTALRICH** Med purple-grey to mauve trachyte becoming med red towards lower ctc. Aphanitic glassy groundmass with perlitic texture. Moderate to strong silicification with selective ankerite and weak to selectively strong potassic alteration. Pervasive microfractures. Non magnetic. Isolated zones of broken and rubbley core with moderate to strong oxidation. Selective faintly visible greyish-white to pale purple f-mg subhedral feldspars - possible pseudomorphs from leucite. These crystals appear in clusters and are non-continuous throughout the unit. Isolated med to dk green flow top chill zones with chl-ankerite-py alteration and hyaloclastites. Mineralized with 0.5 to 5 pct fg disseminated to fracture controlled py. Traces of isolated and vein controlled chalcopyrite and molybdenite as well as selected specular hematite.	45.45	46.00	I272701	0.55	0.175
			46.00	47.00	I272702	1.00	0.279
45.45	146.30	Si02; Ank02; K01; Ox02; Cl01 **Silica 2; Ankerite 2; Potassic 1; Oxidation 2; Chlorite 1** Moderate to strong patchy silicification resulting in greyish discolouration. Moderate selective ankerite alteration infilling network of microfractures. Selective patches of weak to moderate potassic alteration. Isolated moderate to strong oxidation along fracture planes. Few isolated rafts with dk green moderate to strong chloritic alteration.					
45.45	47.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.					
45.45	122.50	Vt;1%;Qak;Sk;;; **veinlet (1-5 mm) 1% quartz-ankerite stockwork** Smoky-grey qtz and qtz-ankerite veinlets to hairlines cross-cutting unit. Trace isolated incl of pinky-orange barite. Trace incl of moly and chalcopyrite.					
47.00	48.00	Py02; Cp00.1 **Pyrite 2%; Chalcopyrite 0.1%** Fg disseminated to fracture controlled py. Isolated bleb of vein controlled chalcopyrite.	47.00	48.00	I272703	1.00	0.282
48.00	59.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.	48.00	49.00	I272704	1.00	0.374
			49.00	50.00	I272705	1.00	0.129
			50.00	51.00	I272706	1.00	0.186
			51.00	52.00	I272707	1.00	0.269
			52.00	53.00	I272708	1.00	0.42
			53.00	54.00	I272709	1.00	0.435
			54.00	55.00	I272710	1.00	0.837
			55.00	56.00	I272711	1.00	0.617

Description			Assay				
			From	To	Sample number	Length	AuBest
			56.00	57.00	I272712	1.00	0.41
			57.00	58.00	I272713	1.00	0.331
			58.00	59.00	I272714	1.00	0.182
59.00	60.00	Py03	59.00	60.00	I272715	1.00	0.355
		Pyrite 3%					
		Fg disseminated to fracture controlled.					
60.00	61.00	Py04	60.00	61.00	I272716	1.00	0.301
		Pyrite 4%					
		Fg disseminated to fracture controlled.					
61.00	63.00	Py05	61.00	62.00	I272717	1.00	0.342
		Pyrite 5%	62.00	63.00	I272718	1.00	0.196
		Fg disseminated to fracture controlled.					
63.00	67.00	Py03	63.00	64.00	I272719	1.00	0.198
		Pyrite 3%	64.00	65.00	I272720	1.00	0.136
		Fg disseminated to fracture controlled.	65.00	66.00	I272721	1.00	0.148
			66.00	67.00	I272722	1.00	0.178
67.00	69.00	Py03; Cp00.1; Mo00.1	67.00	68.00	I272723	1.00	0.45
		Pyrite 3%; Chalcopyrite 0.1%; Molybdenite 0.1%	68.00	69.00	I272724	1.00	0.197
		Fg disseminated to fracture controlled py. Isolated blebs of vein controlled chalcopyrite and molybdenite.					
69.00	70.00	Py03	69.00	70.00	I272727	1.00	0.478
		Pyrite 3%					
		Fg disseminated to fracture controlled.					
70.00	71.00	Py04; Mo00.1	70.00	71.00	I272728	1.00	0.972
		Pyrite 4%; Molybdenite 0.1%					
		Fg disseminated to fracture controlled py. Isolated blebs of vein controlled molybdenite.					
71.00	78.00	Py03	71.00	72.00	I272729	1.00	0.446
		Pyrite 3%	72.00	73.00	I272730	1.00	0.152
		Fg disseminated to fracture controlled.	73.00	74.00	I272731	1.00	0.216
			74.00	75.00	I272732	1.00	0.195
			75.00	76.00	I272733	1.00	0.542
			76.00	77.00	I272734	1.00	0.363
			77.00	78.00	I272735	1.00	0.575
78.00	80.00	Py04	78.00	79.00	I272736	1.00	0.285
		Pyrite 4%	79.00	80.00	I272737	1.00	0.678
		Fg disseminated to fracture controlled.					
80.00	81.00	Py03; Cp00.1	80.00	81.00	I272738	1.00	0.95
		Pyrite 3%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated blebs of vein controlled chalcopyrite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
81.00	84.00	Py04	81.00	82.00	I272739	1.00	0.714
		Pyrite 4%	82.00	83.00	I272740	1.00	1.38
		Fg disseminated to fracture controlled.	83.00	84.00	I272741	1.00	1.24
84.00	89.00	Py03	84.00	85.00	I272742	1.00	0.428
		Pyrite 3%					
		Fg disseminated to fracture controlled.					
85.00	103.10	BBC	85.00	86.00	I272743	1.00	0.147
		Broken Blocky Core	86.00	87.00	I272744	1.00	0.16
		The core is locally broken up along oxidized/ rusty fractures, particularly between 96.50- 98-50 and	87.00	88.00	I272745	1.00	0.143
		100.30- 103.10m. Overall, the RQD is estimated at 65% with the lower two intervals at 35% and 0%	88.00	89.00	I272746	1.00	0.208
		respectively. In fact, in the lower interval, there are two segments in which 0.5m of core is lost/ ground..					
89.00	93.00	Py02	89.00	90.00	I272747	1.00	0.252
		Pyrite 2%	90.00	91.00	I272748	1.00	0.159
		Fg disseminated to fracture controlled.	91.00	92.00	I272749	1.00	0.222
			92.00	93.00	I272752	1.00	0.336
93.00	94.00	Py03	93.00	94.00	I272753	1.00	0.25
		Pyrite 3%					
		Fg disseminated to fracture controlled.					
94.00	97.00	Py01	94.00	95.00	I272754	1.00	0.114
		Pyrite 1%	95.00	96.00	I272755	1.00	0.361
		Fg disseminated to fracture controlled.	96.00	97.00	I272756	1.00	0.27
97.00	103.00	Py00.5	97.00	98.00	I272757	1.00	0.448
		Pyrite 0.5%	98.00	99.00	I272758	1.00	1.07
		Fg disseminated to fracture controlled.	99.00	100.00	I272759	1.00	0.34
			100.00	101.00	I272760	1.00	0.344
			101.00	102.00	I272761	1.00	0.235
			102.00	103.10	I272762	1.10	0.209
103.00	105.00	Py01	103.10	104.00	I272763	0.90	0.403
		Pyrite 1%	104.00	105.00	I272764	1.00	0.615
		Fg disseminated to fracture controlled.					
105.00	108.00	Py02; Cp00.1; Mo00.1	105.00	106.00	I272765	1.00	0.565
		Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.1%	106.00	107.00	I272766	1.00	0.188
		Fg disseminated to fracture controlled py. Isolated blebs of vein controlled chalcopyrite and molybdenite.	107.00	108.00	I272767	1.00	0.161
108.00	109.00	Py01	108.00	109.00	I272768	1.00	0.218
		Pyrite 1%					
		Fg disseminated to fracture controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
109.00	112.00	Py02	109.00	110.00	I272769	1.00	0.19
		Pyrite 2%	110.00	111.00	I272770	1.00	0.315
		Fg disseminated to fracture controlled.					
110.60	111.16	FTH	111.00	112.00	I272771	1.00	0.261
		Flow Top/Hyaloclastite 20°					
		Med beige to dk green flow top - chill margin. Moderate to strong chl-ankerite-py alteration. Hyaloclastite texture. Thin and wispy with distinct but irregular margins.					
112.00	112.33	FTH					
		Flow Top/Hyaloclastite					
		Med beige to dk green flow top - chill margin. Moderate to strong chl-ankerite-py alteration. Hyaloclastite texture. Wispy with distinct but irregular margins.					
112.00	118.00	Py01	112.00	113.00	I272772	1.00	0.301
		Pyrite 1%	113.00	114.00	I272773	1.00	0.229
		Fg disseminated to fracture controlled.	114.00	115.00	I272774	1.00	0.232
			115.00	116.00	I272777	1.00	0.184
			116.00	117.00	I272778	1.00	0.25
			117.00	118.00	I272779	1.00	0.409
118.00	119.00	Py01; Cp00.1	118.00	119.00	I272780	1.00	0.289
		Pyrite 1%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
119.00	120.00	Py01	119.00	120.00	I272781	1.00	0.229
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
120.00	122.00	Py02; Cp00.1	120.00	121.00	I272782	1.00	0.217
		Pyrite 2%; Chalcopyrite 0.1%	121.00	122.00	I272783	1.00	0.101
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
122.00	128.00	Py01; Cp00.1; Mo00.1	122.00	123.00	I272784	1.00	0.111
		Pyrite 1%; Chalcopyrite 0.1%; Molybdenite 0.1%					
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.					
122.50	127.00	Vn;;Ca;Ra;;;	123.00	124.00	I272785	1.00	0.116
		vein (5 mm - 10 cm) calcite random	124.00	125.00	I272786	1.00	0.088
		Greyish-beige to orangy calcite and barite veining.	125.00	126.00	I272787	1.00	0.084
			126.00	127.00	I272788	1.00	0.068
127.00	146.30	Vn;2%;Qak Ca;Ra;;Cp Mo;	127.00	128.00	I272789	1.00	0.093
		vein (5 mm - 10 cm) 2% quartz-ankerite calcite random Chalcopyrite Molybdenite					
		Greyish-beige qtz-ankerite veining with selected incl of calcite. Irregular cross-cutting veinlets to hairlines. Isolated incl of molybdenite and chalcopyrite.					
128.00	131.00	Py01	128.00	129.00	I272790	1.00	0.098

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
128.95	129.31	FTH	129.00	130.00	I272791	1.00	0.122
		Flow Top/Hyaloclastite	130.00	131.00	I272792	1.00	0.129
		Med beige to dk green flow top - chill margin. Moderate to strong chl-ankerite-py alteration. Hyaloclastite texture. Thin and wispy with distinct but irregular margins.					
131.00	138.00	Py02; Cp00.1; Mo00.1	131.00	132.00	I272793	1.00	0.084
		Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.1%	132.00	133.00	I272794	1.00	0.138
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.	133.00	134.00	I272795	1.00	0.223
			134.00	135.00	I272796	1.00	0.263
			135.00	136.00	I272797	1.00	0.182
			136.00	137.00	I272798	1.00	0.212
137.00	137.50	LC	137.00	138.00	I272799	1.00	0.216
		Lost Core					
		The core was overdrilled and apparently 0.2m was lost/ ground.					
138.00	140.00	Py01; Cp00.1	138.00	139.00	I272802	1.00	0.506
		Pyrite 1%; Chalcopyrite 0.1%	139.00	140.00	I272803	1.00	0.426
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
140.00	142.00	Py02; Cp00.2; Mo00.1	140.00	141.00	I272804	1.00	0.312
		Pyrite 2%; Chalcopyrite 0.2%; Molybdenite 0.1%	141.00	142.00	I272805	1.00	0.472
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.					
141.70	146.30	FTH					
		Flow Top/Hyaloclastite 60°					
		Med beige to dk green flow top - chill margin. Moderate to strong chl-ankerite-py alteration. Hyaloclastite texture. Thin greyish qtz-ankerite veinlets cross-cutting foliation or flow banding. Intermittent rafts within massive trachyte.					
142.00	144.00	Py02	142.00	143.00	I272806	1.00	3.67
		Pyrite 2%	143.00	144.00	I272807	1.00	2.02
		Fg disseminated to fracture controlled.					
144.00	147.00	Py02; Cp00.1	144.00	145.00	I272808	1.00	1.8
		Pyrite 2%; Chalcopyrite 0.1%	145.00	146.00	I272809	1.00	1.2
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	146.00	147.00	I272810	1.00	5.16
146.30	167.60	K03; Ank02; Si01					
		Potassic 3; Ankerite 2; Silica 1					
		Strong pervasive potassic alteration. Moderate selective ankerite alteration. Weak isolated patches of silicification.					
146.30	166.00	Vn;4%;Qak Ca;Ra;;Cp Hem;					
		vein (5 mm - 10 cm) 4% quartz-ankerite calcite random Chalcopyrite SPECULARITE					
		Pinky to yellowish beige ankerite veining with incl of qtz and trace selected calcite. Irregular and					

Description			Assay				
			From	To	Sample number	Length	AuBest
		cross-cutting. Isolated incl of chalcopyrite as well as traces of specular hematite.					
147.00	148.00	Py03	147.00	148.00	I272811	1.00	2.17
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
148.00	151.00	Py04	148.00	149.00	I272812	1.00	4.57
		Pyrite 4%	149.00	150.00	I272813	1.00	6.55
		Fg to f-mg euhedral disseminated to fracture controlled.	150.00	151.00	I272814	1.00	2.11
151.00	156.00	Py05	151.00	152.00	I272815	1.00	1.5
		Pyrite 5%	152.00	153.00	I272816	1.00	1.15
		Fg to f-mg euhedral disseminated to fracture controlled.	153.00	154.00	I272817	1.00	1.96
			154.00	155.00	I272818	1.00	0.724
			155.00	156.00	I272819	1.00	1.46
156.00	159.00	Py04; Cp00.2	156.00	157.00	I272820	1.00	0.972
		Pyrite 4%; Chalcopyrite 0.2%	157.00	158.00	I272821	1.00	1.63
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled blebs of chalcopyrite.	158.00	159.00	I272822	1.00	0.494
159.00	160.00	Py03	159.00	159.70	I272823	0.70	0.459
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
159.45	166.00	V4; Cry; Per	159.70	160.40	I272824	0.70	0.283
		Trachyte; CRYSTALRICH; PERLITIC					
		Med to dk red trachyte. Aphanitic glassy groundmass with perlitic texture and strong pervasive potassic alteration. Pervasive microfracturing with moderate ankerite infilling. Isolated dk green to blue mottled chl in upper metre of unit. Crystal rich with 25 to 30 pct f-mg to mg purple-grey eu-subhedral feldspar phenocrysts suspended within groundmass. Crystals are sub-rounded to lath shaped showing no specific orientation. Moderate patchy magnetism. Irregular beige to pinkish qtz-ankerite with selective calcite veinlets. 1 to 3 pct fg to f-mg disseminated to fracture controlled py. Isolated blebs of vein controlled chalcopyrite. Sharp ctcs - immediated appearance and disappearance of crystals.					
160.00	162.00	Py01	160.40	161.00	I272827	0.60	0.348
		Pyrite 1%	161.00	162.00	I272828	1.00	0.57
		Fg to f-mg euhedral disseminated to fracture controlled.					
162.00	164.00	Py02	162.00	163.00	I272829	1.00	0.393
		Pyrite 2%	163.00	164.00	I272830	1.00	0.63
		Fg to f-mg euhedral disseminated to fracture controlled.					
164.00	166.00	Py02; Cp00.1	164.00	165.20	I272831	1.20	0.099
		Pyrite 2%; Chalcopyrite 0.1%	165.20	166.00	I272832	0.80	0.14
		Fg to f-mg euhedral disseminated to fracture controlled py.					
166.00	203.80	V4; Lithic; Per	166.00	167.00	I272833	1.00	0.194
		Trachyte; LITHIC; PERLITIC	167.00	168.00	I272834	1.00	0.473

Description			Assay				
			From	To	Sample number	Length	AuBest
		Med to dk purple-grey to mauve trachyte. Aphanitic glassy groundmass with perlitic texture. Moderate potassic alteration. Pervasive microfractures with moderate interstitial calcite alteration. Moderate pervasive dk green to black magnetite-chl - possible peperitic horizon. Selective clasts with dk green chloritization. Lithic texture with selective fine to med-coarse dk green to black and med red fragments dispersed throughout unit. Greyish calcite veins to veinlets cross-cutting unit. Mineralized with 1 to 3 pct f-mg eu-subhedral disseminated to fracture controlled py. Isolated vein controlled molybdenite and chalcopyrite. Banding at lower ctc - gradational.					
166.00	175.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.					
166.00	181.50	Vt;1%;Cc;Ra;;; **veinlet (1-5 mm) 1% calcite-chlorite random** Pale greyish calcite with selective dk green chl. Veinlets to hairlines.					
167.60	202.60	K02; Ca02; Ank02; Mgt02 **Potassic 2; Calcite 2; Ankerite 2; Magnetite 2** Moderate selective potassic alteration. Moderate pervasive-interstitial calcite. Weak to moderate selective ankerite alteration. Moderate to strong disseminated magnetite. Moderate dk green chl.	168.00	169.00	I272835	1.00	0.103
			169.00	170.00	I272836	1.00	0.051
			170.00	171.00	I272837	1.00	0.037
			171.00	172.00	I272838	1.00	0.036
			172.00	173.00	I272839	1.00	0.025
			173.00	174.00	I272840	1.00	0.044
			174.00	175.00	I272841	1.00	0.029
175.00	180.00	Py03 **Pyrite 3%** Fg to f-mg euhedral disseminated to fracture controlled.	175.00	176.00	I272842	1.00	0.03
			176.00	177.00	I272843	1.00	0.034
			177.00	178.00	I272844	1.00	0.064
			178.00	179.00	I272845	1.00	0.042
			179.00	180.00	I272846	1.00	0.055
180.00	182.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.	180.00	181.00	I272847	1.00	0.056
			181.00	181.75	I272848	0.75	0.077
181.50	182.70	Vt;5%;Qak;Ra;;Mo Cp; **veinlet (1-5 mm) 5% quartz-ankerite random Molybdenite Chalcopyrite** Pinky-beige qtz-ankerite veinlets cross-cutting and irregular with selective incl of molybdenite and chalcopyrite.	181.75	183.00	I272849	1.25	0.187
182.00	183.00	Py01; Cp00.2; Mo00.1 **Pyrite 1%; Chalcopyrite 0.2%; Molybdenite 0.1%** Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.					
182.70	189.20	Vt;2%;Ca;Ra;;; **veinlet (1-5 mm) 2% calcite random** Greyish-white calcite veinlets. Irregular. Selectively with dk green chl.					

Description			Assay				
			From	To	Sample number	Length	AuBest
183.00	192.00	Py03	183.00	184.00	I272850	1.00	0.009
		Pyrite 3%	184.00	185.00	I272853	1.00	0.021
		Fg to f-mg euhedral disseminated to fracture controlled.	185.00	186.00	I272854	1.00	0.015
			186.00	187.00	I272855	1.00	0.016
			187.00	188.00	I272856	1.00	0.012
			188.00	189.00	I272857	1.00	0.009
			189.00	190.00	I272858	1.00	0.026
189.20	191.80	Vt;;Qak;Ra;;;	190.00	191.00	I272859	1.00	0.036
		veinlet (1-5 mm) quartz-ankerite random	191.00	192.00	I272860	1.00	0.023
		Beige to pinky qtz-ankerite veinlets. Irregular. Parallel tca as well as perpendicular tca.					
191.80	213.70	Vn;4%;Ca;Ra;;;					
		vein (5 mm - 10 cm) 4% calcite random					
		Pink to greyish calcite veining. Thick and banded to thin and wispy-irregular. Selectively cross-cutting.					
		High to low angles tca. Isolated incl of dk purple fluorite.					
192.00	194.00	Py02	192.00	193.00	I272861	1.00	0.012
		Pyrite 2%	193.00	194.00	I272862	1.00	0.016
		Fg to f-mg euhedral disseminated to fracture controlled.					
194.00	195.00	Py02; Cp00.1	194.00	195.00	I272863	1.00	0.03
		Pyrite 2%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
195.00	199.00	Py02	195.00	196.00	I272864	1.00	0.026
		Pyrite 2%	196.00	197.10	I272865	1.10	0.018
		Fg to f-mg euhedral disseminated to fracture controlled.	197.10	198.00	I272866	0.90	0.011
			198.00	199.00	I272867	1.00	0.015
199.00	201.00	Py01	199.00	199.90	I272868	0.90	0.231
		Pyrite 1%	199.90	201.00	I272869	1.10	0.105
		Fg to f-mg euhedral disseminated to fracture controlled.					
201.00	204.00	Py02	201.00	202.00	I272870	1.00	0.022
		Pyrite 2%	202.00	203.00	I272871	1.00	0.016
		Fg to f-mg euhedral disseminated to fracture controlled.					
202.60	213.70	K03; Ank02; Mgt02; Cl02; Ca02	203.00	204.00	I272872	1.00	0.092
		Potassic 3; Ankerite 2; Magnetite 2; Chlorite 2; Calcite 2					
		Strong potassic alteration. Moderate to strong selective ankerite alteration. Isolated patches of moderate					
		to strong dk green to black magnetite-chl alteration. Selective patches of weak to moderate interstitial					
		calcite.					
203.80	213.70	V4; FlBand; Pep; Per					
		Trachyte 40°; FLOWBANDED; PEPERITIC; PERLITIC					
		Med red trachyte. Glassy aphanitic groundmass with perlitic texture. Strong potassic alteration. Pervasive					

Description			Assay				
			From	To	Sample number	Length	AuBest
		microfractures with moderate ankerite infilling. Selective banding with dk green to black strong magnetite-chl-py alteration. Possible peperitic horizon. Selective patches of weak to moderate interstitial calcite alteration. Patches of weak non-continuous and undulos flow-banding. Greyish-pink calcite veins and veinlets with selective dk green chl and orangy barite incl as well as deep purple fluorite. Sharp lower ctc. 1 to 3 pct fg fracture controlled to disseminated py.					
204.00	205.00	Py03 **Pyrite 3%** Fg to f-mg euhedral disseminated to fracture controlled.	204.00	205.00	I272873	1.00	1.17
205.00	206.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.	205.00	206.00	I272874	1.00	0.113
206.00	207.00	Py01 **Pyrite 1%** Fg to f-mg euhedral disseminated to fracture controlled.	206.00	207.00	I272877	1.00	0.014
207.00	210.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.	207.00 208.00 209.00	208.00 209.00 210.00	I272878 I272879 I272880	1.00 1.00 1.00	0.183 0.29 0.23
210.00	211.00	Py01 **Pyrite 1%** Fg to f-mg euhedral disseminated to fracture controlled.	210.00	211.00	I272881	1.00	0.126
211.00	213.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.	211.00 212.00	212.00 213.00	I272882 I272883	1.00 1.00	0.337 0.095
213.00	216.00	Py01 **Pyrite 1%** Fg to f-mg euhedral disseminated to fracture controlled.	213.00	213.70	I272884	0.70	0.018
213.70	218.30	V4; Pep; Per **Trachyte 35°; PEPERITIC; PERLITIC** Med beige to dk green-black trachyte. Possible peperitic horizon. Strong ankerite alteration surrounding pinky-grey rounded glassy potassic altered fragments. Perlitic texture. Interstitial strong chl-magnetite-py alteration. Few smoky-grey qtz and qtz-ankerite veinlets. Sharp ctcs. 1 to 3 pct fg disseminated py.					
213.70	218.35	Ank03; Mgt02; Cl02; K02 **Ankerite 3; Magnetite 2; Chlorite 2; Potassic 2** Strong selective ankerite alteration with interstitial moderate to strong dk green to black magnetite-chl alteration. Moderate potassic alteration of rounded glassy fragments.	213.70 214.30 215.00	214.30 215.00 216.00	I272885 I272886 I272887	0.60 0.70 1.00	0.011 0.011 0.586
213.70	218.30	Vt;1%;Qak;Ra;;; **veinlet (1-5 mm) 1% quartz-ankerite random** Few smoky-grey qtz and qtz-ankerite veinlets.					
216.00	217.00	Py03 **Pyrite 3%**	216.00	217.00	I272888	1.00	0.621

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg euhedral disseminated to fracture controlled.					
217.00	219.00	Py01	217.00	217.70	I272889	0.70	0.036
		Pyrite 1%	217.70	218.35	I272890	0.65	0.02
		Fg to f-mg euhedral disseminated to fracture controlled.					
218.30	244.40	V4; Per					
		Trachyte 80°; PERLITIC					
		Med red trachyte. Glassy aphanitic groundmass with perlitic texture. Strong potassic alteration. Pervasive microfractures with moderate ankerite infilling. Few isolated bands of dk green to black strong chl-magnetite alteration. Pale orange veins with acicular barite and deep purple fluorite. Greyish-pink calcite veining as well as minor qtz-ankerite veining with selected inclof chalcopyrite and molybdenite. 2 to 5 pct fg to f-mg disseminated to fracture-controlled py. Sharp ctcs.					
218.30	244.85	Vn;5%;Ca Qak;Ra;;;					
		vein (5 mm - 10 cm) 5% calcite quartz-ankerite random					
		Pinky-orange to greyish calcite-barite veining as well as qtz-ankerite. Irregular and cross-cutting. Selected incl of dk purple fluorite.					
218.35	238.00	K03; Ank02; Mgt01; Cl01	218.35	219.00	I272891	0.65	0.468
		Potassic 3; Ankerite 2; Magnetite 1; Chlorite 1					
		Strong potassic alteration with moderate to strong selective ankerite. Isolated patches of moderate to strong dk green chl-magnetite alteration.					
219.00	220.00	Py04	219.00	220.00	I272892	1.00	0.254
		Pyrite 4%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
220.00	221.00	Py03; Cp00.1	220.00	221.00	I272893	1.00	0.211
		Pyrite 3%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
221.00	223.00	Py03	221.00	222.00	I272894	1.00	0.353
		Pyrite 3%	222.00	223.00	I272895	1.00	0.266
		Fg to f-mg euhedral disseminated to fracture controlled.					
223.00	227.00	Py05	223.00	224.00	I272896	1.00	0.314
		Pyrite 5%	224.00	225.00	I272897	1.00	0.244
		Fg to f-mg euhedral disseminated to fracture controlled.	225.00	226.00	I272898	1.00	0.221
			226.00	227.00	I272899	1.00	0.153
227.00	229.00	Py04	227.00	228.00	I272902	1.00	0.158
		Pyrite 4%	228.00	229.00	I272903	1.00	0.183
		Fg to f-mg euhedral disseminated to fracture controlled.					
229.00	230.00	Py02	229.00	230.00	I272904	1.00	0.153
		Pyrite 2%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
230.00	231.00	Py03	230.00	231.00	I272905	1.00	0.109
		Pyrite 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg euhedral disseminated to fracture controlled.					
231.00	232.00	Py04	231.00	232.00	I272906	1.00	0.229
		Pyrite 4%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
232.00	233.00	Py03	232.00	233.00	I272907	1.00	0.193
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
233.00	235.00	Py02	233.00	234.00	I272908	1.00	0.233
		Pyrite 2%	234.00	235.00	I272909	1.00	0.186
		Fg to f-mg euhedral disseminated to fracture controlled.					
235.00	238.00	Py02; Cp00.2; Mo00.1	235.00	236.00	I272910	1.00	0.098
		Pyrite 2%; Chalcopyrite 0.2%; Molybdenite 0.1%	236.00	237.00	I272911	1.00	0.052
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.	237.00	238.00	I272912	1.00	0.066
238.00	244.40	Si02; K03; Ank02	238.00	239.00	I272913	1.00	0.345
		Silica 2; Potassic 3; Ankerite 2	239.00	240.00	I272914	1.00	0.165
		Moderate to strong selective silicification - greyish discolouration. Moderate to strong patchy potassic alteration. Moderate to strong selective ankerite alteration.	240.00	240.60	I272915	0.60	0.122
			240.60	241.25	I272916	0.65	0.263
238.00	241.00	Py03; Cp00.1; Mo00.1					
		Pyrite 3%; Chalcopyrite 0.1%; Molybdenite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.					
241.00	242.00	Py04; Cp00.1	241.25	242.00	I272917	0.75	0.249
		Pyrite 4%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
242.00	244.00	Py02	242.00	243.00	I272918	1.00	0.165
		Pyrite 2%	243.00	243.70	I272919	0.70	0.189
		Fg to f-mg euhedral disseminated to fracture controlled.	243.70	244.40	I272920	0.70	0.502
244.00	245.00	Py03; Cp00.1					
		Pyrite 3%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
244.40	246.25	V4; FTH; Per					
		Trachyte; Flow Top/Hyaloclastite; PERLITIC					
		Dk green-black to mauve flow top - chill margin. Perlitic to hyaloclastite textures. Strong dk green to black chloritization in between rounded silica-potassic altered trachyte fragments. Selective moderate ankerite alteration. Sharp but irregular ctcs. 4 to 5 pct fg to f-mg eu-subhedral py disseminated to fracture-controlled. Grey to white qtz-ankerite veining cross-cutting with isolated incl of chalcopyrite.					
244.40	246.25	Cl03; Ank02; K02; Si02	244.40	245.00	I272921	0.60	0.998
		Chlorite 3; Ankerite 2; Potassic 2; Silica 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong dk green to black interstitial chloritization with moderate selective ankerite alteration. Moderate potassic and silica alteration of glassy rounded trachyte fragments.					
244.85	270.50	Vn;3%;Qak;Ra;;Mo; **vein (5 mm - 10 cm) 3% random Molybdenite** Smoky-grey qtz to white-grey qtz-ankerite veins to veinlets and hairlines. Irregular to cross-cutting. Selective incl of chalcopyrite and molybdenite. Trace incl of fluorite.					
245.00	251.00	Py05; Cp00.2	245.00	246.20	I272922	1.20	0.383
		Pyrite 5%; Chalcopyrite 0.2%	246.20	247.00	I272923	0.80	0.581
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
246.25	270.50	V4; Per **Trachyte 90°; PERLITIC** Med purple-grey to mauve trachyte. Glassy aphanitic groundmass with perlitic texture. Moderate to strong silicification and potassic alteration. Moderate to strong selective ankerite alteration. Isolated irregular patches of dk green to black chl. Non magnetic. Qtz-ankerite veins to hairlines with selected incl of chalcopyrite. Isolated cluster of dk purple fluorite. 2 to 5 pct fg to f-mg eu-subhedral disseminated to fracture controlled py. Sharp ctcs.					
246.25	270.50	Si02; K02; Ank02; Cl02	247.00	248.00	I272924	1.00	0.417
		Silica 2; Potassic 2; Ankerite 2; Chlorite 2	248.00	249.00	I272927	1.00	0.483
		Moderate to strong silicification with potassic alteration and moderate to strong interstitial ankerite. Isolated patches of dk green to black chl.	249.00	250.00	I272928	1.00	0.283
			250.00	251.00	I272929	1.00	0.33
251.00	253.00	Py05	251.00	252.00	I272930	1.00	0.349
		Pyrite 5%	252.00	253.00	I272931	1.00	0.268
		Fg to f-mg euhedral disseminated to fracture controlled.					
253.00	255.00	Py03	253.00	254.00	I272932	1.00	0.14
		Pyrite 3%	254.00	255.00	I272933	1.00	0.095
		Fg to f-mg euhedral disseminated to fracture controlled.					
255.00	258.00	Py05; Cp00.1	255.00	256.00	I272934	1.00	0.975
		Pyrite 5%; Chalcopyrite 0.1%	256.00	257.00	I272935	1.00	0.521
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	257.00	258.00	I272936	1.00	0.424
258.00	259.00	Py02	258.00	259.00	I272937	1.00	0.363
		Pyrite 2%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
259.00	261.00	Py03; Cp00.1; Mo00.1	259.00	260.00	I272938	1.00	0.613
		Pyrite 3%; Chalcopyrite 0.1%; Molybdenite 0.1%	260.00	261.00	I272939	1.00	0.312
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite and molybdenite.					
261.00	262.00	Py02; Mo00.1	261.00	262.00	I272940	1.00	0.244
		Pyrite 2%; Molybdenite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled molybdenite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
262.00	263.00	Py03; Cp00.1	262.00	263.00	I272941	1.00	0.353
		Pyrite 3%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
263.00	265.00	Py03	263.00	264.00	I272942	1.00	0.634
		Pyrite 3%	264.00	265.00	I272943	1.00	0.391
		Fg to f-mg euhedral disseminated to fracture controlled.					
265.00	266.00	Py01	265.00	266.00	I272944	1.00	0.066
		Pyrite 1%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
266.00	268.00	Py02; Cp00.1	266.00	267.00	I272945	1.00	0.243
		Pyrite 2%; Chalcopyrite 0.1%	267.00	268.00	I272946	1.00	0.262
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
268.00	271.00	Py01	268.00	269.00	I272947	1.00	0.072
		Pyrite 1%	269.00	270.00	I272948	1.00	0.766
		Fg to f-mg euhedral disseminated to fracture controlled.	270.00	270.55	I272949	0.55	0.417
270.50	277.30	V4; Pep; Per					
		Trachyte 70°; PEPERITIC; PERLITIC					
		Med mauve to red and green-black trachyte. Peperitic horizon. Moderate to strong mottled to interstitial magnetite-chl and py alteration. Moderate selective ankerite alteration. Isolated to patchy moderate to strong potassic alteration of glassy perlitic trachyte fragments. Few irregular qtz-ankerite veinlets. 0.5 to 5 pct fg to f-mg disseminated and fracture controlled py. Sharp ctcs.					
270.50	277.34	Ank02; Mgt02; Cl02; K02	270.55	271.30	I272952	0.75	3.29
		Ankerite 2; Magnetite 2; Chlorite 2; Potassic 2					
		Moderate to strong selective ankerite alteration. Moderate to strong mottled and interstitial dk green to black magnetite-chl alteration. Isolated moderate to strong potassic alteration of glassy trachyte fragments.					
270.50	277.30	Vt;1%;Qak;Ra;;;					
		veinlet (1-5 mm) 1% quartz-ankerite random					
		Pinky-grey qtz-ankerite veinlets to hairlines. Irregular and cross-cutting.					
271.00	272.00	Py05	271.30	272.00	I272953	0.70	0.778
		Pyrite 5%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
272.00	274.00	Py00.5	272.00	273.00	I272954	1.00	0.019
		Pyrite 0.5%	273.00	274.00	I272955	1.00	0.235
		Fg to f-mg euhedral disseminated to fracture controlled.					
274.00	275.00	Py04	274.00	275.00	I272956	1.00	0.852
		Pyrite 4%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
275.00	276.00	Py00.5	275.00	276.00	I272957	1.00	0.12
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg euhedral disseminated to fracture controlled.					
276.00	278.00	Py03	276.00	277.00	I272958	1.00	1.2
		Pyrite 3%	277.00	278.00	I272959	1.00	0.601
		Fg to f-mg euhedral disseminated to fracture controlled.					
277.30	280.15	V4; Cry; Per					
		Trachyte 70°; CRYSTALRICH; PERLITIC					
		Med purple-grey to mauve and red trachyte. Aphanitic glassy groundmass with perlitic texture. Moderate ankerite-potassic alteration with patchy silicification resulting in greyish discolouration. Crystal rich with 25 to 30 pct f-mg to mg subhedral pinkish-grey feldspar phenocrysts suspended within groundmass. Tabular shaped crystal with no specific orientation. Greyish-pink qtz-ankerite veining with selected incl of chalcopyrite. Isolated patches of moderate magnetism. Sharp ctcs. 2 to 3 pct fg to f-mg disseminated to fracture controlled py.					
277.30	280.15	Vn;4%;Qak;Ra;;Cp;					
		vein (5 mm - 10 cm) 4% quartz-ankerite random Chalcopyrite					
		Greyish-white to pinky qtz-ankerite veins to veinlets. Irregular and cross-cutting. Selective incl of chalcopyrite.					
277.34	285.65	K03; Ank02; Mgt02; Cl02					
		Potassic 3; Ankerite 2; Magnetite 2; Chlorite 2					
		Strong potassic alteration. Moderate to strong selected ankerite alteration. Isolated patches of dk grey magnetite-chl alteration.					
278.00	280.50	Py03; Cp00.1	278.00	279.00	I272960	1.00	0.745
		Pyrite 3%; Chalcopyrite 0.1%	279.00	279.75	I272961	0.75	0.637
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	279.75	280.45	I272962	0.70	0.235
280.15	285.65	V4; Per; Pep					
		Trachyte 40°; PERLITIC; PEPERITIC					
		Med greyish-red trachyte. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration. Pervasive microfractures with infilling ankerite. Isolated rafts of dk green-black mottled-interstitial magnetite-chl alteration - peperitic horizons. Few greyish to beige and dk green qtz-ankerite-chl veining with selected incl of chalcopyrite. Sharp ctcs. 1 to 4 pct fg tp f-m eu-subhedral disseminated to fracture controlled py.					
280.15	299.00	Vt;2%;Qac;Ra;;Cp;	280.45	281.20	I272963	0.75	0.316
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random Chalcopyrite					
		Greyish-white to beige qtz-ankerite veins to veinlets with selected incl of dk green chl. Irregular. Isolated incl of chalcopyrite.					
280.50	281.00	Py01					
		Pyrite 1%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
281.00	282.00	Py03	281.20	282.00	I272964	0.80	0.052
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
282.00	283.00	Py03; Cp00.5	282.00	283.00	I272965	1.00	0.039

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 3%; Chalcopyrite 0.5%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
283.00	284.00	Py04	283.00	284.00	I272966	1.00	0.201
		Pyrite 4%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
284.00	285.60	Py03	284.00	285.00	I272967	1.00	0.434
		Pyrite 3%	285.00	285.65	I272968	0.65	0.925
		Fg to f-mg euhedral disseminated to fracture controlled.					
285.60	286.33	Py07					
		Pyrite 7%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
285.65	289.37	V4; Pep; Per					
		Trachyte 40°; PEPERITIC; PERLITIC					
		Med beige to mauve and dk green-black trachyte. Peperitic horizon. Moderate to strong mottled to interstitial magnetite-chl and py alteration. Moderate selective ankerite alteration. Isolated to patchy moderate to strong potassic alteration of glassy perlitic trachyte fragments. Few irregular smoky-grey qtz and qtz-ankerite veinlets. 1 to 7 pct fg to f-mg disseminated and fracture controlled py. Sharp ctcs.					
285.65	299.00	Ank02; K02; Mgt02; Cl02	285.65	286.35	I272969	0.70	1.45
		Ankerite 2; Potassic 2; Magnetite 2; Chlorite 2					
		Moderate to strong selective ankerite alteration. Moderate to strong potassic alteration of glassy trachyte. Mottled to banded interstitial dk green to black moderate to strong magnetite-chl alteration in selective patches.					
286.33	286.90	Py04	286.35	287.00	I272970	0.65	0.603
		Pyrite 4%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
286.90	288.70	Py01	287.00	288.00	I272971	1.00	0.496
		Pyrite 1%	288.00	288.70	I272972	0.70	0.026
		Fg to f-mg euhedral disseminated to fracture controlled.					
288.70	289.40	Py03	288.70	289.40	I272973	0.70	0.683
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
289.37	299.00	V4; Per; Cry; Pep					
		Trachyte 65°; PERLITIC; CRYSTALRICH; PEPERITIC					
		Med greyish-red trachyte. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration. Pervasive microfractures with infilling ankerite. Isolated rafts of dk green-black mottled-interstitial magnetite-chl alteration - peperitic horizons. Isolated crystal rich zone at lower ctc of up to 20 pct f-mg to mg subhedral lath shaped feldspar phenos suspended within groundmass. Few greyish to beige and dk green qtz-ankerite-chl veining with selected incl of chalcopyrite. Sharp ctcs. 1 to 4 pct fg tp f-m eu-subhedral disseminated to fracture controlled py.					
289.40	290.00	Py02; Cp00.1	289.40	290.00	I272974	0.60	0.778
		Pyrite 2%; Chalcopyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
290.00	291.00	Py03	290.00	291.00	I272977	1.00	1.06
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
291.00	292.00	Py04; Cp00.5	291.00	292.00	I272978	1.00	0.858
		Pyrite 4%; Chalcopyrite 0.5%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
292.00	294.00	Py01; Cp00.2	292.00	293.00	I272979	1.00	0.23
		Pyrite 1%; Chalcopyrite 0.2%	293.00	294.00	I272980	1.00	0.089
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
294.00	300.00	Py02	294.00	295.00	I272981	1.00	0.424
		Pyrite 2%	295.00	296.00	I272982	1.00	0.218
		Fg to f-mg euhedral disseminated to fracture controlled.	296.00	297.00	I272983	1.00	0.156
			297.00	298.00	I272984	1.00	0.458
			298.00	299.00	I272985	1.00	0.293
299.00	312.80	V4; Pep; Per; Cry					
		Trachyte 30°; PEPERITIC; PERLITIC; CRYSTALRICH					
		Med-dk mauve and dk green-black trachyte. Peperitic horizon. Moderate to strong mottled to interstitial magnetite-chl and py alteration. Moderate selective ankerite alteration. Weak to moderate interstitial calcite alteration. Isolated to patchy moderate to strong potassic alteration of glassy perlitic trachyte fragments. Isolated purple-red crystal rich zone of up to 20 pct f-mg to mg subhedral lath shaped feldspar phenocrysts suspended in groundmass. Pinky-grey calcite veins and veinlets with selected incl of dk green chl. High to low angles tca. Isolated qtz-ankerite veinlets within crystal rich zone. 1 to 2 pct fg to f-mg disseminated and fracture controlled py. Sharp ctcs.					
299.00	312.80	Mgt03; Cl02; Ank02; Ca02; K02					
		Magnetite 3; Chlorite 2; Ankerite 2; Calcite 2; Potassic 2					
		Strong interstitial to banded and mottled dk green to black chl-magnetite alteration. Weak to moderate selective ankerite. Weak to moderate selective interstitial calcite alteration. Isolated to patchy moderate potassic alteration of glassy fragments.					
299.00	334.00	Vn;3%;Ca Qak;Ra;;;	299.00	300.00	I272986	1.00	0.027
		vein (5 mm - 10 cm) 3% calcite quartz-ankerite random					
		Greyish-pink calcite veins with selected incl of fluorite. Few greyish-beige irregular qtz-ankerite veinlets.					
300.00	306.00	Py01	300.00	301.00	I272987	1.00	0.044
		Pyrite 1%	301.00	302.00	I272988	1.00	0.036
		Fg to f-mg euhedral disseminated to fracture controlled.	302.00	303.00	I272989	1.00	0.03
			303.00	304.00	I272990	1.00	0.018
			304.00	305.00	I272991	1.00	0.017
			305.00	306.00	I272992	1.00	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
306.00	307.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.	306.00	307.00	I272993	1.00	0.024
307.00	308.00	Py01; Cp00.1 **Pyrite 1%; Chalcopyrite 0.1%** Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chlacopyrite.	307.00	308.00	I272994	1.00	0.088
308.00	317.00	Py01 **Pyrite 1%** Fg to f-mg euhedral disseminated to fracture controlled.	308.00	309.00	I272995	1.00	0.108
			309.00	310.00	I272996	1.00	0.011
			310.00	311.00	I272997	1.00	0.029
			311.00	312.00	I272998	1.00	0.047
			312.00	313.00	I272999	1.00	0.048
312.80	324.00	V4; Per; Pep **Trachyte 40°; PERLITIC; PEPERITIC** Med greyish-red trachyte. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration. Pervasive microfractures with infilling ankerite. Weak interstitial calcite alteration. Isolated rafts to irregular patches of dk green-black mottled-interstitial magnetite-chl alteration - peperitic horizons. Few pale pinkish-red calcite veins with incl of deep purple fluorite. Sharp ctcs. 1 to 2 pct fg tp f-m eu-subhedral disseminated to fracture controlled py. Sharp ctcs.					
312.80	360.56	K03; Ank02; Ca02; Mgt02; Cl02 **Potassic 3; Ankerite 2; Calcite 2; Magnetite 2; Chlorite 2** Moderate to strong potassic alteration. Moderate selective ankerite alteration. Weak to moderate interstitial calcite alteration. Isolated bands to patches of dk green to black magnetite-chl-py alteration.	313.00	314.00	I274202	1.00	0.236
			314.00	315.00	I274203	1.00	0.05
			315.00	316.00	I274204	1.00	0.06
			316.00	317.00	I274205	1.00	0.036
317.00	320.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.	317.00	318.00	I274206	1.00	0.329
			318.00	319.00	I274207	1.00	0.236
			319.00	320.00	I274208	1.00	0.07
320.00	321.00	Py01 **Pyrite 1%** Fg to f-mg euhedral disseminated to fracture controlled.	320.00	321.00	I274209	1.00	0.025
321.00	327.00	Py02 **Pyrite 2%** Fg to f-mg euhedral disseminated to fracture controlled.	321.00	322.00	I274210	1.00	0.073
			322.00	323.00	I274211	1.00	0.086
			323.00	324.00	I274212	1.00	0.148
324.00	333.00	V4; Pep; Per **Trachyte 40°; PEPERITIC; PERLITIC** Med mauve to red and dk green-black trachyte. Peperitic horizon. Moderate to strong bands of mottled to interstitial magnetite-chl and py alteration. Moderate selective ankerite alteration. Weak to moderate interstitial calcite alteration. Isolated to patchy moderate to strong potassic alteration of glassy perlitic trachyte fragments. White-beige qtz-ankerite and pinky-grey calcite veins to veinlets. 2 to 3 pct fg to f-mg disseminated and	324.00	325.00	I274213	1.00	0.058
			325.00	326.00	I274214	1.00	0.049
			326.00	327.00	I274215	1.00	0.091

Description			Assay				
			From	To	Sample number	Length	AuBest
		fracture controlled py. Sharp ctcs.					
327.00	328.00	Py01	327.00	328.00	I274216	1.00	0.024
		Pyrite 1%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
328.00	330.00	Py02	328.00	329.00	I274217	1.00	0.229
		Pyrite 2%	329.00	330.00	I274218	1.00	0.077
		Fg to f-mg euhedral disseminated to fracture controlled.					
330.00	332.00	Py03	330.00	331.00	I274219	1.00	0.067
		Pyrite 3%	331.00	332.00	I274220	1.00	0.106
		Fg to f-mg euhedral disseminated to fracture controlled.					
332.00	336.00	Py02	332.00	333.00	I274221	1.00	0.051
		Pyrite 2%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
333.00	407.00	V4; FlBand; Pep; Per	333.00	334.00	I274222	1.00	0.102
		Trachyte 40°; FLOWBANDED; PEPERITIC; PERLITIC					
		Med greyish-red to brick red and dk green-black trachyte. Aphanitic glassy groundmass with perlitic texture. Moderate to strong potassic alteration of glassy fragments. Pervasive microfractures with selective ankerite infilling. Selective weak to moderate interstitial calcite alteration. Intermittent rafts and bands of moderate to strong mottled to interstitial magnetite-chl and py alteration - peperitic horizons. Intermittent weak to moderate flow banding - segregation of potassic and ankerite alteration in alternating bands - oblique tca. Weak qtz-ankerite and qtz-calcite-chl veining throughout. 2 to 7 pct fg to f-mg eu-subhedral py in fracture controlled clusters and disseminated.					
334.00	350.00	Vt;2%;Qcc;Ra;;;	334.00	335.00	I274223	1.00	0.046
		veinlet (1-5 mm) 2% quartz-calcite-chlorite random	335.00	336.00	I274224	1.00	0.024
		Greyish-white to pink calcite veinlets with selective qtz and dk green chl incl. Oblique tca. Cross-cutting.					
336.00	337.00	Py03	336.00	337.00	I274227	1.00	0.052
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
337.00	341.00	Py06	337.00	338.00	I274228	1.00	0.149
		Pyrite 6%	338.00	339.00	I274229	1.00	0.086
		Fg to f-mg euhedral disseminated to fracture controlled.	339.00	340.00	I274230	1.00	0.147
			340.00	341.00	I274231	1.00	0.089
341.00	343.00	Py05	341.00	342.00	I274232	1.00	0.053
		Pyrite 5%	342.00	343.00	I274233	1.00	0.113
		Fg to f-mg euhedral disseminated to fracture controlled.					
343.00	344.00	Py06	343.00	344.00	I274234	1.00	0.054
		Pyrite 6%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
344.00	345.00	Py05	344.00	345.00	I274235	1.00	0.278
		Pyrite 5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg euhedral disseminated to fracture controlled.					
345.00	346.00	Py07	345.00	346.00	I274236	1.00	0.108
		Pyrite 7%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
346.00	350.00	Py06	346.00	347.00	I274237	1.00	0.061
		Pyrite 6%	347.00	348.00	I274238	1.00	0.07
		Fg to f-mg euhedral disseminated to fracture controlled.	348.00	349.00	I274239	1.00	0.069
			349.00	350.00	I274240	1.00	0.157
350.00	352.00	Py04					
		Pyrite 4%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
350.00	379.00	Vt;3%;Qak Qcc;Ra;;;	350.00	351.00	I274241	1.00	0.983
		veinlet (1-5 mm) 3% quartz-ankerite quartz-calcite-chlorite random	351.00	352.00	I274242	1.00	1.13
		White-beige to pink irregular qtz-ankerite veinlets with selected dk green chl rimming. Minor greyish-pink qtz-calcite-chl veinlets. Oblique tca at high to low angles.					
352.00	353.00	Py05	352.00	353.00	I274243	1.00	0.096
		Pyrite 5%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
353.00	358.00	Py04	353.00	354.00	I274244	1.00	0.203
		Pyrite 4%	354.00	355.00	I274245	1.00	0.35
		Fg to f-mg euhedral disseminated to fracture controlled.	355.00	356.00	I274246	1.00	0.168
			356.00	357.00	I274247	1.00	0.15
			357.00	358.00	I274248	1.00	0.146
358.00	367.00	Py05	358.00	359.00	I274249	1.00	0.19
		Pyrite 5%	359.00	360.00	I274252	1.00	0.607
		Fg to f-mg euhedral disseminated to fracture controlled.	360.00	361.00	I274253	1.00	0.295
360.56	386.20	K02; Si02; Ank02; Ca02; Mgt02; Cl02	361.00	362.00	I274254	1.00	0.234
		Potassic 2; Silica 2; Ankerite 2; Calcite 2; Magnetite 2; Chlorite 2	362.00	363.00	I274255	1.00	0.262
		Moderate to strong potassic alteration of glassy fragments. Isolated patches of weak to moderate silicification resulting in greyish discolouration. Moderate selective ankerite alteration. Patchy weak to moderate interstitial calcite alteration. Isolated banding and irregular patches of dk green to black chl-magnetite alteration.	363.00	364.00	I274256	1.00	0.342
			364.00	365.00	I274257	1.00	0.367
			365.00	366.00	I274258	1.00	0.273
			366.00	367.00	I274259	1.00	0.17
367.00	371.00	Py06	367.00	368.00	I274260	1.00	0.167
		Pyrite 6%	368.00	369.00	I274261	1.00	0.115
		Fg to f-mg euhedral disseminated to fracture controlled.	369.00	370.00	I274262	1.00	0.274
			370.00	371.00	I274263	1.00	0.213

Description			Assay				
			From	To	Sample number	Length	AuBest
371.00	372.00	Py05 **Pyrite 5%** Fg to f-mg euhedral disseminated to fracture controlled.	371.00	372.00	I274264	1.00	0.239
372.00	376.00	Py04 **Pyrite 4%** Fg to f-mg euhedral disseminated to fracture controlled.	372.00	373.00	I274265	1.00	0.147
			373.00	374.00	I274266	1.00	0.14
			374.00	375.00	I274267	1.00	0.16
			375.00	376.00	I274268	1.00	0.201
376.00	382.00	Py05 **Pyrite 5%** Fg to f-mg euhedral disseminated to fracture controlled.	376.00	377.00	I274269	1.00	0.363
			377.00	378.00	I274270	1.00	0.269
			378.00	379.00	I274271	1.00	0.396
379.00	384.75	Vt;1%;Ca;Ra;;; **veinlet (1-5 mm) 1% calcite random** Greyish to orangy-pink calcite veinlets to hairlines with incl of barite.	379.00	380.00	I274272	1.00	0.48
			380.00	381.00	I274273	1.00	0.212
			381.00	382.00	I274274	1.00	0.26
382.00	384.00	Py03 **Pyrite 3%** Fg to f-mg euhedral disseminated to fracture controlled py.	382.00	383.00	I274277	1.00	0.195
			383.00	384.00	I274278	1.00	0.061
384.00	385.00	Py03; Cp00.2 **Pyrite 3%; Chalcopyrite 0.2%** Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	384.00	385.00	I274279	1.00	0.084
384.75	406.20	Vt;3%;Qak Qcc;Ra;;Cp Hem; **veinlet (1-5 mm) 3% quartz-ankerite quartz-calcite-chlorite random Chalcopyrite SPECULARITE** Pinky-white to beige qtz-ankerite veinlets with selective specular hematite incl. Irregular and cross-cutting. Selectively brecciating wall rock. Few greyish-pink qtz-calcite-chl veinlets.					
385.00	390.00	Py03 **Pyrite 3%** Fg to f-mg euhedral disseminated to fracture controlled.	385.00	386.00	I274280	1.00	0.139
			386.00	387.00	I274281	1.00	0.198
386.20	398.00	K03; Ank02; He02; Mgt02; Cl02 **Potassic 3; Ankerite 2; Hematite 2; Magnetite 2; Chlorite 2** Strong potassic alteration. Moderate selective ankerite alteration. Moderate hematite staining. Isolated bands to patches of magnetite-chl alteration.	387.00	388.00	I274282	1.00	0.188
			388.00	389.00	I274283	1.00	0.37
			389.00	390.00	I274284	1.00	0.266
390.00	395.00	Py04 **Pyrite 4%** Fg to f-mg euhedral disseminated to fracture controlled.	390.00	391.00	I274285	1.00	0.324
			391.00	392.00	I274286	1.00	0.292
			392.00	393.00	I274287	1.00	0.23
			393.00	394.00	I274288	1.00	0.22
			394.00	395.00	I274289	1.00	0.387
395.00	396.00	Py03; Cp00.1	395.00	396.00	I274290	1.00	0.416

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 3%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
396.00	398.00	Py04	396.00	397.00	I274291	1.00	0.346
		Pyrite 4%	397.00	398.00	I274292	1.00	0.415
		Fg to f-mg euhedral disseminated to fracture controlled.					
398.00	407.00	K03; Mgt02; Cl02; Ca02; Ank01	398.00	399.00	I274293	1.00	0.203
		Potassic 3; Magnetite 2; Chlorite 2; Calcite 2; Ankerite 1	399.00	399.90	I274294	0.90	0.215
		Strong selective potassic alteration. Moderate to strong patches of dk green-black magnetite-chl	399.90	401.00	I274295	1.10	0.087
		alteration. Weak to moderate selective interstitial calcite alteration. Weak to moderate isolated ankerite					
		alteration.					
398.00	400.00	Py03					
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
400.00	401.00	Py02					
		Pyrite 2%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
401.00	402.00	Py04	401.00	402.00	I274296	1.00	0.243
		Pyrite 4%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
402.00	403.00	Py05	402.00	403.00	I274297	1.00	0.379
		Pyrite 5%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
403.00	406.00	Py04	403.00	404.00	I274298	1.00	0.119
		Pyrite 4%	404.00	405.00	I274299	1.00	0.313
		Fg to f-mg euhedral disseminated to fracture controlled.	405.00	406.00	I274302	1.00	0.123
406.00	409.00	Py03	406.00	406.75	I274303	0.75	0.16
		Pyrite 3%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
406.20	410.20	Vt;1%;Ca;Ra;;;	406.75	408.00	I274304	1.25	0.214
		veinlet (1-5 mm) 1% calcite random					
		Greyish calcite veinlets to hairlines.					
407.00	410.20	V4; Pep; FlBand; Per					
		Trachyte 60°; PEPERITIC; FLOWBANDED; PERLITIC					
		Med-dk mauve to reddish and dk green-black trachyte. Peperitic horizon. Moderate to strong mottled to					
		interstitial magnetite-chl and py alteration in discrete bands. Moderate selective ankerite and calcite alteration.					
		Isolated to patchy moderate to strong potassic alteration of glassy perlitic trachyte fragments. Weak greyish					
		calcite veinlets to hairlines. 0.5 to 3 pct fg to f-mg disseminated and fracture controlled py. Sharp ctcs.					
407.00	410.20	Mgt03; Cl03; Ank02; Ca02; K01	408.00	409.00	I274305	1.00	0.271
		Magnetite 3; Chlorite 3; Ankerite 2; Calcite 2; Potassic 1					
		Strong dk green to black bands of magnetite-chl alteration. Selective moderate ankerite alteration.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate interstitial calcite. Isolated weak to moderate potassic alteration of glassy trachyte fragments.					
409.00	410.00	Py02	409.00	410.00	I274306	1.00	0.051
		Pyrite 2%					
		Fg to f-mg euhedral disseminated to fracture controlled.					
410.00	411.00	Py00.5; Cp00.1	410.00	411.00	I274307	1.00	0.018
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
410.20	459.00	V4; Fol					
		Trachyte 60°; Foliated					
		Med greyish-green trachyte flow. Strong pervasive chloritization of fg groundmass. Moderate f-mg disseminated magnetite. Moderate interstitial calcite alteration. Weak isolated ankerite alteration. Moderate pervasive foliation oblique tca - weakening downhole becoming intermittent. Pale pink calcite sweats throughout as well as pink qtz-calcite veining. Isolated pegmatitic veins of qtz-ankerite and deep reddish feldspar - possible hematite. Traces of fg to f-mg py as well as isolated vein controlled chalcopyrite. Sharp upper ctc.					
410.20	459.00	Cl03; Mgt02; Ca02; Ank01					
		Chlorite 3; Magnetite 2; Calcite 2; Ankerite 1					
		Strong pervasive med green chloritization. Moderate disseminated magnetite. Weak to moderate selective interstitial calcite alteration. Isolated weak ankerite.					
410.20	413.00	Vn;15%;Qak;Vc;;Cp;					
		vein (5 mm - 10 cm) 15% quartz-ankerite vein cross-cutting foliation Chalcopyrite					
		Yellowy-white to pinky-red qtz-ankerite veining with feldspar or hematite incl. Large veins with smaller veins and veinlets branching out forming stockwork. Trace incl of chalcopyrite.					
411.00	412.00	Py00.2; Cp00.1	411.00	412.00	I274308	1.00	0.005
		Pyrite 0.2%; Chalcopyrite 0.1%	412.00	413.00	I274309	1.00	<0.005
		Fg to f-mg euhedral disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
413.00	430.90	Vn;3%;Qca;Vc;;Cp;	413.00	414.00	I274310	1.00	0.009
		vein (5 mm - 10 cm) 3% quartz-calcite vein cross-cutting foliation Chalcopyrite	414.00	415.00	I274311	1.00	<0.005
		White to pink qtz-calcite veins to hairlines. Selected incl of dk green chl. Isolated incl of chalcopyrite.	415.00	416.00	I274312	1.00	<0.005
		Veins oriented within foliation as well as cross-cutting.	416.00	417.00	I274313	1.00	0.008
			417.00	418.00	I274314	1.00	0.009
			418.00	419.00	I274315	1.00	<0.005
			419.00	420.00	I274316	1.00	<0.005
			420.00	421.00	I274317	1.00	0.015
			421.00	422.00	I274318	1.00	<0.005
			422.00	423.00	I274319	1.00	<0.005
			423.00	424.00	I274320	1.00	<0.005
			424.00	425.00	I274321	1.00	<0.005
			425.00	426.00	I274322	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
426.00	427.00	Cp00.1	426.00	427.00	I274323	1.00	<0.005
		Chalcopyrite 0.1%	427.00	428.00	I274324	1.00	0.006
		Isolated vein controlled chalcopyrite.	428.00	429.00	I274327	1.00	<0.005
			429.00	430.00	I274328	1.00	0.014
			430.00	431.00	I274329	1.00	0.007
430.90	438.15	Vn;3%;Qak;Vc;;;	431.00	432.00	I274330	1.00	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite vein cross-cutting foliation	432.00	433.00	I274331	1.00	<0.005
		Yellowy-white to pinky-red qtz-ankerite veins to veinlets with feldspar or hematite incl. Alteration halos.	433.00	434.00	I274332	1.00	<0.005
		Minor calcite incl. Parallel to and oblique to foliation.	434.00	435.00	I274333	1.00	0.012
			435.00	436.00	I274334	1.00	<0.005
			436.00	437.00	I274335	1.00	0.006
			437.00	438.00	I274336	1.00	0.005
			438.00	439.00	I274337	1.00	<0.005
438.15	441.40	Vn;5%;Qca;Vc;;;	439.00	440.00	I274338	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-calcite vein cross-cutting foliation	440.00	441.00	I274339	1.00	<0.005
		Pinky-grey qtz-calcite veining. Folded and irregular cross-cutting foliation.	441.00	442.00	I274340	1.00	0.007
442.00	442.60	Vm;70%;Qac;Vc;;;	442.00	443.00	I274341	1.00	<0.005
		major vein (10 cm or greater) 70% quartz-ankerite-chlorite vein cross-cutting foliation					
		Large yellowy-white to pinky-red qtz-ankerite vein with feldspar or hematite incl. Pegmatitic texture.					
442.60	445.00	Vt;3%;Qac;Vn;;;	443.00	444.00	I274342	1.00	<0.005
		veinlet (1-5 mm) 3% quartz-ankerite-chlorite vein parallel to foliation	444.00	445.00	I274343	1.00	<0.005
		Yellowy-beige to dk green qtz-ankerite-chl veinlets. Selectively brecciating wall rock.					
445.00	456.35	Vt;3%;Ca;Vn;;;	445.00	446.00	I274344	1.00	<0.005
		veinlet (1-5 mm) 3% calcite vein parallel to foliation	446.00	447.00	I274345	1.00	<0.005
		Beige to greyish-pink calcite veins to veinlets and hairlines. Selectively undulose. Parallel to foliation with	447.00	448.00	I274346	1.00	<0.005
		few cross-cutting.	448.00	449.00	I274347	1.00	<0.005
			449.00	450.00	I274348	1.00	0.008
			450.00	451.00	I274349	1.00	<0.005
			451.00	452.00	I274352	1.00	<0.005
			452.00	453.00	I274353	1.00	<0.005
			453.00	454.00	I274354	1.00	<0.005
			454.00	455.00	I274355	1.00	<0.005
			455.00	456.00	I274356	1.00	<0.005
			456.00	457.00	I274357	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
456.35	456.52	Vn;80%;Qac;Ra;;; **vein (5 mm - 10 cm) 80% quartz-ankerite-chlorite random** White-beige to pinky-red qtz-ankerite veining with feldspar or hematite incl and dk chl rimming. Undulose and folded within fabric of rock. Pegmatitic texture.					
456.52	459.00	Vn;4%;Ca;Vc;;;	457.00	458.00	I274358	1.00	0.026
		vein (5 mm - 10 cm) 4% calcite vein cross-cutting foliation	458.00	459.00	I274359	1.00	0.005
		Pinky-grey calcite veining. Irregular and undulose. Cross-cutting foliation.					
459.00		**End of DDH** **Number of samples: 423** **Number of QAQC samples: 36** **Total sampled length: 413.55**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_28

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Gilles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	06/02/2014	Description date:	13/02/2014
		To:	12/02/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 438.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	20,558.000	582,859.314
North	0.0	12,031.000	5,331,421.358
Elevation	0.0	0.000	343.967

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-65.0°	No	
ReflexEZS	54.00	125.1°	-66.0°	Yes	Mag = 55563
ReflexEZS	123.00	184.4°	-66.3°	No	Mag = 55368
ReflexEZS	180.00	175.4°	-66.4°	No	Mag = 55337
ReflexEZS	240.00	175.6°	-60.6°	No	Mag = 55596
ReflexEZS	300.00	171.8°	-53.0°	No	Mag = 54843
ReflexEZS	360.00	165.2°	-50.3°	No	Mag = 54855
ReflexEZS	420.00	164.6°	-48.7°	No	Mag = 55166

Description

Re-Logged by Ciara Cooke August 2014. Box no. 21 from 120.45m to 124.60m was polished.

Core size: NQ Cemented: No Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	39.80	OVB						
		Overburden						
		Casing and overburden. During the initial sampling 20cm of a boulder was taken in the first sample 39.6-39.8m.						
		While alteration resembles the underlying rock, the boulder is banded and strongly magnetic.						
39.60	42.00	Py01		39.60	40.30	H750862	0.70	0.369
		Pyrite 1%						
39.80	141.00	V4; Per						
		Trachyte; PERLITIC						
		Med greyish-mauve trachyte. Aphanitic glassy groundmass with perlitic texture. Pervasive microfracturing.						
		Strong selective silicification. Moderate to strong patchy potassic alteration with interstitial moderate to strong						
		ankerite. Core is vuggy and broken to rubbly with moderate to intense oxidation along fractures. Pervasive						
		stockwork of smoky-grey qtz to ankerite veins and veinlets. Non magnetic. Mineralized with 0.5 to 5 pct fg py.						
		Traces of isolated and vein controlled chalcopyrite.						
39.80	59.00	Si03; Ank02; Ox02						
		Silica 3; Ankerite 2; Oxidation 2						
		Strong silicification with moderate to strong selective-interstitial ankerite. Core is locally oxidized and						
		rubbly.						
39.80	105.13	FracZn						
		Fracture Zone						
		Strong to intensly oxidized broken and rubbly core.						
39.80	141.00	Vn;4%;Sgq;Sk;;;		40.30	41.10	H750863	0.80	1.13
		vein (5 mm - 10 cm) 4% smoky grey quartz stockwork		41.10	42.00	H750864	0.90	3.15
		Smoky-grey qtz and ankerite stockworks pervasive throughout unit.						
42.00	43.00	Py02		42.00	43.00	H750865	1.00	2.27
		Pyrite 2%						
		AutoInsert by "trg_updMineral" Updated						
43.00	47.00	Py01		43.00	44.00	H750866	1.00	1.26
		Pyrite 1%		44.00	45.00	H750867	1.00	0.467
				45.00	46.00	H750868	1.00	0.665
				46.00	47.00	H750869	1.00	0.535
47.00	53.00	Py05		47.00	48.00	H750870	1.00	0.968
		Pyrite 5%		48.00	49.00	H750871	1.00	0.686
				49.00	50.00	H750872	1.00	1.07
				50.00	51.00	H750873	1.00	1.45
				51.00	52.00	H750874	1.00	2.05
				52.00	53.00	H750877	1.00	1.18
53.00	57.00	Py02		53.00	54.00	H750878	1.00	0.91
		Pyrite 2%		54.00	55.00	H750879	1.00	2.56

Description			Assay				
			From	To	Sample number	Length	AuBest
			55.00	56.00	H750880	1.00	2.84
			56.00	57.00	H750881	1.00	1.91
57.00	59.50	Py01	57.00	58.00	H750882	1.00	0.933
		Pyrite 1%	58.00	59.00	H750883	1.00	1.47
59.00	105.13	Ank03; Si02; Ox03	59.00	59.50	H750884	0.50	1.14
		Ankerite 3; Silica 2; Oxidation 3	59.50	60.00	MU14_28-59.5-60	0.50	
		Strong selective-interstitial ankerite. Isolated patches of moderate to strong silicification. Core is highly broken and rubbly with moderate to intense oxidation.					
60.00	62.40	Py00.5	60.00	61.00	H750885	1.00	1.01
		Pyrite 0.5%	61.00	61.70	H750886	0.70	0.89
			61.70	62.40	H750887	0.70	1.19
			62.40	63.00	MU14_28-62.4-63	0.60	
63.00	65.00	Py00.5	63.00	64.00	H750888	1.00	1.51
		Pyrite 0.5%	64.00	65.00	H750889	1.00	2.83
			65.00	66.00	MU14_28-65-66	1.00	
66.00	74.70	Py00.5	66.00	67.00	H750890	1.00	0.848
		Pyrite 0.5%	67.00	68.00	H750891	1.00	1.32
			68.00	69.00	H750892	1.00	2.45
			69.00	70.00	H750893	1.00	3.39
			70.00	71.00	H750894	1.00	1.85
			71.00	72.00	H750895	1.00	9.94
			72.00	73.00	H750896	1.00	1.9
			73.00	74.00	H750897	1.00	1.6
			74.00	74.70	H750898	0.70	1.37
			74.70	75.00	MU14_28-74.7-75	0.30	
75.00	78.00	Py00.5	75.00	76.00	H750899	1.00	0.84
		Pyrite 0.5%	76.00	77.00	H750902	1.00	1.24
			77.00	78.00	H750903	1.00	2.65
78.00	82.00	Py01	78.00	79.00	H750904	1.00	1.73
		Pyrite 1%	79.00	80.00	H750905	1.00	2.09
		0.5-1%	80.00	81.00	H750906	1.00	2.6
			81.00	82.00	H750907	1.00	1.19
			82.00	84.00	MU14_28-82-84	2.00	
			84.00	85.00	H750908	1.00	1.21

Description			Assay				
			From	To	Sample number	Length	AuBest
85.00	86.40	Py01	85.00	85.40	H750909	0.40	3.76
		Pyrite 1%	85.40	86.40	H750910	1.00	2.17
			86.40	87.00	MU14_28-86.4-87	0.60	
87.00	93.00	Py00.5	87.00	88.00	H750911	1.00	2.18
		Pyrite 0.5%	88.00	89.00	H750912	1.00	1.17
			89.00	90.00	H750913	1.00	1.05
			90.00	91.00	H750914	1.00	5.06
			91.00	92.00	H750915	1.00	8.75
			92.00	93.00	H750916	1.00	8.87
93.00	101.00	Py01	93.00	94.00	H750917	1.00	3.22
		Pyrite 1%	94.00	95.00	H750918	1.00	2.82
			95.00	96.00	H750919	1.00	1.61
			96.00	97.00	H750920	1.00	1.65
			97.00	98.00	H750921	1.00	1.84
			98.00	99.00	H750922	1.00	1.74
			99.00	100.00	H750923	1.00	2.07
			100.00	101.10	H750924	1.10	2.38
			101.10	102.00	MU14_28-101.1-102	0.90	
102.00	105.00	Py00.5	102.00	103.00	H750927	1.00	1.19
		Pyrite 0.5%	103.00	104.00	H750928	1.00	3.93
		visible py 0.5%	104.00	105.00	H750929	1.00	1.77
105.00	120.00	Py01	105.00	106.00	H750930	1.00	1.54
		Pyrite 1%					
		Fg disseminated to fracture controlled. Py weathered out in zone of strong to intense oxidation.					
105.13	114.00	Si03; Ank02; Ox02	106.00	107.00	H750931	1.00	1.98
		Silica 3; Ankerite 2; Oxidation 2	107.00	108.10	H750932	1.10	3.66
		Strong silicification with moderate selective ankerite. Locally oxidized.	108.10	109.00	H750933	0.90	1.7
			109.00	110.00	H750934	1.00	3.31
			110.00	111.30	H750935	1.30	3
			111.30	112.55	H750936	1.25	2.77
			112.55	113.40	H750937	0.85	3.14
			113.40	114.00	H750938	0.60	1.03
114.00	178.75	K03; Si02; Ank02; Cl01; Ox01	114.00	114.70	H750939	0.70	4.28
		Potassic 3; Silica 2; Ankerite 2; Chlorite 1; Oxidation 1	114.70	115.40	H750940	0.70	3.58
		Strong patchy potassic alteration. Moderate to strong patchy silicification. Moderite to strong interstitial					

Description			Assay				
			From	To	Sample number	Length	AuBest
		ankerite. Isolated banding of dk green chl alteration. Isolated patches of weak to intense oxidation.	115.40	116.00	H750941	0.60	5.52
			116.00	117.00	H750942	1.00	5.94
			117.00	118.00	H750943	1.00	1.91
			118.00	119.10	H750944	1.10	2.18
			119.10	120.00	H750945	0.90	3.74
120.00	121.50	Py02	120.00	121.00	H750946	1.00	6.06
		Pyrite 2%	121.00	122.00	H750947	1.00	1.75
		Fg disseminated to fracture controlled.					
121.50	124.00	Py03	122.00	123.00	H750948	1.00	3.96
		Pyrite 3%	123.00	124.00	H750949	1.00	4.96
		Fg disseminated to fracture controlled.					
124.00	126.00	Py02	124.00	125.25	H750952	1.25	3.65
		Pyrite 2%	125.25	126.00	H750953	0.75	3.82
		Fg disseminated to fracture controlled.					
126.00	132.00	Py03; Cp00.1	126.00	127.00	H750954	1.00	2.05
		Pyrite 3%; Chalcopyrite 0.1%	127.00	128.00	H750955	1.00	5.86
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	128.00	129.00	H750956	1.00	2.65
			129.00	130.00	H750957	1.00	2.91
			130.00	131.00	H750958	1.00	1.78
			131.00	132.00	H750959	1.00	2.39
132.00	134.50	Py02	132.00	133.00	H750960	1.00	1.29
		Pyrite 2%	133.00	133.65	H750961	0.65	4.4
		Fg disseminated to fracture controlled.	133.65	134.75	H750962	1.10	8.92
134.50	139.00	Py03; Cp00.1	134.75	136.00	H750963	1.25	1.89
		Pyrite 3%; Chalcopyrite 0.1%	136.00	137.00	H750964	1.00	2.75
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	137.00	138.00	H750965	1.00	1.78
			138.00	139.00	H750966	1.00	3.45
139.00	140.50	Py04; Cp00.1	139.00	140.00	H750967	1.00	1.7
		Pyrite 4%; Chalcopyrite 0.1%	140.00	140.50	H750968	0.50	0.64
		Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.					
140.50	143.00	Py03	140.50	141.00	H750969	0.50	0.645
		Pyrite 3%					
		Fg disseminated to fracture controlled.					
141.00	163.00	V4; FlBand; Per	141.00	142.00	H750970	1.00	1.47
		Trachyte 50°; FLOWBANDED; PERLITIC	142.00	143.00	H750971	1.00	1.14
		Med red to greyish-mauve trachyte. Aphanitic glassy groundmass with perlitic texture. Pervasive					
		microfracturing. Strong patchy potassic alteration with moderate to strong selective silicification. Interstitial					

Description			Assay				
			From	To	Sample number	Length	AuBest
		moderate to strong ankerite. Weak to moderate intermittent flow banding with chloritic hairlines selectively inbetween layers. Banding is non-continuous to undulose and ranges from 30 to 50 deg tca. Localized stockworking of hematite and qtz-ankerite-chl veinlets to hairlines. Grey translucent qtz veining conc towards lower ctc. Non magnetic. Mineralized with 2 to 4 pct fg py.					
141.00	150.25	Vt;4%;Qac;Sk;;Hem; **veinlet (1-5 mm) 4% quartz-ankerite-chlorite stockwork SPECULARITE** Dk greyish hematite stockwork with minor qtz-ankerite veinlets. Selected incl of dk green chl.					
143.00	145.00	Py04 **Pyrite 4%** Fg disseminated to fracture controlled.	143.00	144.00	H750972	1.00	2.13
			144.00	145.00	H750973	1.00	2.87
145.00	148.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.	145.00	146.00	H750974	1.00	1.81
			146.00	147.00	H750977	1.00	2.02
			147.00	147.40	H750978	0.40	3.24
			147.40	148.00	H750979	0.60	0.642
148.00	154.00	Py03 **Pyrite 3%** Fg disseminated to fracture controlled.	148.00	149.00	H750980	1.00	2.31
			149.00	150.00	H750981	1.00	1.96
			150.00	151.00	H750982	1.00	2.4
150.25	157.35	Vt;1%;Qac;Ra;;Hem; **veinlet (1-5 mm) 1% quartz-ankerite-chlorite random SPECULARITE** Greyish qtz-ankerite veinlets to hairlines with selected incl of chl and hematite.	151.00	152.00	H750983	1.00	0.919
			152.00	153.00	H750984	1.00	2.14
			153.00	154.00	H750985	1.00	1.53
154.00	158.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.	154.00	155.00	H750986	1.00	3.63
			155.00	156.00	H750987	1.00	1.72
			156.00	157.00	H750988	1.00	1.31
			157.00	158.00	H750989	1.00	3.81
157.35	162.90	Vn;10%;Sgq;Vn;;; **vein (5 mm - 10 cm) 10% smoky grey quartz vein parallel to foliation** Greyish qtz veining with minor ankerite roughly parallel to flow banding within wall rock.					
158.00	159.00	Py02; Cp00.1 **Pyrite 2%; Chalcopyrite 0.1%** Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	158.00	159.00	H750990	1.00	1.56
159.00	163.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.	159.00	160.00	H750991	1.00	3.34
			160.00	161.00	H750992	1.00	2.04
			161.00	162.00	H750993	1.00	5.87
			162.00	162.85	H750994	0.85	2.23
			162.85	164.00	H750995	1.15	0.283
162.90	178.75	Vt;2%;Qak;Ra;;;					

Description				Assay				
				From	To	Sample number	Length	AuBest
		veinlet (1-5 mm) 2% quartz-ankerite random						
		Greyish-pink qtz-ankerite veinlets to hairlines. Irregular to cross-cutting. Select incl of pinky-orange barite.						
163.00	178.75	V4; Per; FlBand						
		Trachyte 25°; PERLITIC; FLOWBANDED						
		Med pinky-red to greyish-mauve trachyte. Aphanitic glassy groundmass with perlitic texture. Pervasive microfracturing. Strong potassic alteration with selective silicification. Interstitial moderate to strong ankerite. Isolated weak flow banding. Selective stockworks of qtz-ankerite veinlets to hairlines with localized incl of pinky-orange barite. Non magnetic. Mineralized with 1 to 2 pct fg py. Trace isolated blebs of vein controlled molybdenite.						
163.00	164.00	Py01; Mo00.1						
		Pyrite 1%; Molybdenite 0.1%						
		Fg disseminated to fracture controlled py. Isolated vein controlled molybdenite.						
164.00	167.00	Py02		164.00	165.00	H750996	1.00	0.478
		Pyrite 2%		165.00	166.00	H750997	1.00	0.313
		Fg disseminated to fracture controlled.		166.00	167.00	H750998	1.00	0.129
167.00	175.00	Py01		167.00	168.00	H750999	1.00	0.368
		Pyrite 1%		168.00	169.00	I273602	1.00	0.172
		Fg disseminated to fracture controlled.		169.00	170.00	I273603	1.00	0.19
				170.00	171.00	I273604	1.00	0.215
				171.00	172.00	I273605	1.00	0.235
				172.00	173.00	I273606	1.00	0.114
				173.00	174.00	I273607	1.00	0.169
				174.00	175.00	I273608	1.00	0.145
175.00	178.00	Py02		175.00	176.00	I273609	1.00	0.097
		Pyrite 2%		176.00	177.00	I273610	1.00	0.076
		Fg disseminated to fracture controlled.		177.00	178.00	I273611	1.00	0.094
178.00	178.75	Py01		178.00	178.73	I273612	0.73	0.218
		Pyrite 1%		178.73	180.00	I273613	1.27	0.571
		Fg disseminated to fracture controlled.						
178.75	185.50	V4; FlBand; Fol						
		Trachyte 50°; FLOWBANDED; Foliated						
		Pale to med green trachyte. Fg groundmass with strong ankerite-sericite-chl alteration. Isolated bands to patches of weak to moderate magnetism. Moderate continuous flow banding at low to high angles tca. Localized mm displacement of bands along fractures. Few qtz-ankerite veinlets as well as undulatory pinky-red veinlets. Moderate pervasive foliation with distinct mineral segregation - sericite attenuated along plane. Core is locally broken and rubbley - not sure if fault zone or not. Sharp upper ctc. Traces of fg py.						

Description			Assay				
			From	To	Sample number	Length	AuBest
178.75	191.70	Ank03; Se02; Cl02; Mgt01; Fu01					
		Ankerite 3; Sericite 2; Chlorite 2; Magnetite 1; Fuchsite 1					
		Strong pervasive ankerite. Moderate interstitial sericite. Moderate pale to med green chl alteration.					
		Isolated bands to patches of weak to moderate magnetite. Traces of weak interstitial fuchsite.					
178.75	180.00	Py00.1					
		Pyrite 0.1%					
		Fg fracture controlled.					
178.75	201.15	Vn;2%;Qak;Ra;;;	180.00	181.00	I273614	1.00	0.427
		vein (5 mm - 10 cm) 2% quartz-ankerite random	181.00	182.00	I273615	1.00	0.092
		White to greyish irregular ankerite-qtz veining to veinlets. Selective incl of dk green chl. Veins are					
		oriented along flow banding as well as irregular to it. Selective hard orangy-red undulatory veinlets.					
182.00	183.30	FAZ; Gg	182.00	183.00	I273616	1.00	0.142
		Fault Zone; Fault gouge					
183.00	184.00	Py00.1	183.00	184.00	I273617	1.00	0.236
		Pyrite 0.1%	184.00	185.00	I273618	1.00	0.367
		Fg fracture controlled.	185.00	186.00	I273619	1.00	0.372
185.50	235.50	V4; PyroTuff; Fol	186.00	187.00	I273620	1.00	0.03
		Trachyte 40°; PYROCLASTIC (TUFFACEOUS); Foliated	187.00	188.00	I273621	1.00	0.005
		Pale to med green pyroclastic trachyte. Fg groundmass with moderate to strong ankerite alteration. Moderate					
		interstitial sericite and pale to med-dk green chlorite. Selective moderate potassic alteration of glassy fragments					
		locally with ankerite mantles rotated within foliation.. Isolated patches of weak magnetite. Moderate pervasive					
		foliation with well defined mineral segregation - sericite attenuated along plane. Ankeritized pumice fragments					
		are elongated within foliation. Selective qtz-ankerite veining as well as pinky-orange to reddish undulatory					
		veining. Few isolated dk green chlorite veinlets to hairlines cross-cutting foliation. Trace to 0.5 pct fg fracture					
		controlled py.					
188.00	190.00	Py00.1	188.00	189.00	I273622	1.00	0.137
		Pyrite 0.1%	189.00	190.10	I273623	1.10	0.049
		Fg fracture controlled.					
190.00	194.00	Py00.2	190.10	191.37	I273624	1.27	0.074
		Pyrite 0.2%	191.37	192.00	I273627	0.63	0.153
		Fg fracture controlled.					
191.70	199.00	Cl03; Ank02; Se02; He01; Mgt01	192.00	193.00	I273628	1.00	0.05
		Chlorite 3; Ankerite 2; Sericite 2; Hematite 1; Magnetite 1	193.00	194.00	I273629	1.00	0.04
		Strong med to dk green chl alteration. Moderate to strong selective ankerite alteration. Moderate					
		interstitial sericitization. Weak patchy hematite staining. Weak to moderate isolated patches of magnetite.					
194.00	196.00	Py00.1	194.00	195.00	I273630	1.00	0.018
		Pyrite 0.1%	195.00	196.00	I273631	1.00	0.027
		Fg fracture controlled.					
196.00	198.00	Py00.2	196.00	197.00	I273632	1.00	0.071
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg fracture controlled.	197.00	198.00	I273633	1.00	0.065
198.00	201.00	Py00.1	198.00	199.00	I273634	1.00	0.071
		Pyrite 0.1%					
		Fg fracture controlled.					
199.00	224.20	Ank03; Se02; Cl02	199.00	200.00	I273635	1.00	0.034
		Ankerite 3; Sericite 2; Chlorite 2	200.00	201.00	I273636	1.00	0.034
		Moderate to strong pervasive ankerite alteration. Moderate interstitial sericitization. Moderate pale to med green chloritization.					
201.00	208.00	Py00.2	201.00	202.00	I273637	1.00	0.041
		Pyrite 0.2%					
		0.2 to 0.5 pct fg fracture controlled.					
201.15	221.20	Vt;2%;Qak;Ra;;;	202.00	203.00	I273638	1.00	0.053
		veinlet (1-5 mm) 2% quartz-ankerite random	203.00	204.00	I273639	1.00	0.164
		Orangy-red irregular and undulatory qtz and possible feldspar veinlets. Minor qtz-ankerite veinlets to hairlines.	204.00	205.00	I273640	1.00	0.059
			205.00	206.00	I273641	1.00	0.155
			206.00	207.00	I273642	1.00	0.105
			207.00	208.00	I273643	1.00	0.058
208.00	210.00	Py00.1	208.00	209.00	I273644	1.00	0.047
		Pyrite 0.1%	209.00	210.00	I273645	1.00	0.051
		Fg fracture controlled.					
210.00	211.00	Py00.2	210.00	211.00	I273646	1.00	0.071
		Pyrite 0.2%					
		Fg fracture controlled.					
211.00	212.00	Py00.5	211.00	212.00	I273647	1.00	0.45
		Pyrite 0.5%					
		Fg fracture controlled.					
212.00	213.00	Py00.2	212.00	213.00	I273648	1.00	7.35
		Pyrite 0.2%					
		Fg fracture controlled.					
213.00	217.00	Py00.1	213.00	214.00	I273649	1.00	0.076
		Pyrite 0.1%	214.00	215.00	I273652	1.00	0.123
		Fg fracture controlled.	215.00	216.00	I273653	1.00	0.777
			216.00	217.00	I273654	1.00	0.132
217.00	220.00	Py00.2	217.00	218.00	I273655	1.00	0.067
		Pyrite 0.2%	218.00	219.00	I273656	1.00	0.599
		Fg fracture controlled.	219.00	220.00	I273657	1.00	0.318
220.00	225.00	Py00.5	220.00	221.00	I273658	1.00	1.42

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%	221.00	222.00	I273659	1.00	1.42
		Fg fracture controlled.					
221.20	224.20	Vt;;Qak;Ra;;;	222.00	223.00	I273660	1.00	0.723
		veinlet (1-5 mm) quartz-ankerite random	223.00	224.00	I273661	1.00	0.446
		White-beige qtz-ankerite veinlets along as well as cross-cutting foliation. Selectively undulatory.	224.00	225.00	I273662	1.00	0.316
224.20	235.50	Ank02; K02; Se02; Cl02					
		Ankerite 2; Potassic 2; Sericite 2; Chlorite 2					
		Moderate selective to pervasive ankerite. Moderate selective potassic alteration of glassy fragments.					
		Moderate interstitial sericitization. Moderate med green chloritization.					
224.20	227.00	Vn;5%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite random					
		Orangy-pink qtz and possibly feldspar veining. Irregular and undulatory.					
225.00	227.00	Py00.2	225.00	226.00	I273663	1.00	0.998
		Pyrite 0.2%	226.00	226.98	I273664	0.98	0.126
		Fg fracture controlled.	226.98	228.00	I273665	1.02	0.037
227.00	232.00	Py00.1					
		Pyrite 0.1%					
		Fg fracture controlled.					
227.00	239.20	Vt;;Qak;Ra;;;	228.00	229.00	I273666	1.00	0.024
		veinlet (1-5 mm) quartz-ankerite random	229.00	230.00	I273667	1.00	0.007
		Very few white to pinkish qtz-ankerite veinlets to hairlines. Along foliation to cross-cutting.	230.00	231.00	I273668	1.00	0.078
			231.00	232.00	I273669	1.00	0.007
			232.00	233.00	I273670	1.00	0.084
			233.00	234.00	I273671	1.00	0.032
			234.00	235.00	I273672	1.00	0.026
			235.00	236.00	I273673	1.00	0.03
235.50	367.75	V4; Fol	236.00	237.00	I273674	1.00	0.015
		Trachyte 50°; Foliated	237.00	238.00	I273677	1.00	0.015
		Pale to med-dk green volcano-sedimentary unit. Pervasive moderate to strong interstitial ankerite-sericite alteration with med to dk green chloritization. Selective horizons of disseminated f-mg magnetite becoming continuous downhole. Tuffaceous with ankeritized pyroclastic fragments to flow units with f-mg pinky subhedral feldspar phenocrysts mantled and oriented within foliation. Gradational ctcs. Few darker greenish-grey very fg silty-mudstones with interstitial sericite-ankerite alteration and localized S-C fabric development. Pervasive moderate to strong foliation. Weak and selectively mineralized with trace to 0.2pct fg py. Qtz-ankerite veining with calcite appearing downhole.					
235.50	255.00	Ank03; Se03; Cl02					
		Ankerite 3; Sericite 3; Chlorite 2					
		Strong ankerite-sericite alteration with moderate interstitial med green chl.					

Description			Assay				
			From	To	Sample number	Length	AuBest
238.00	239.00	Py00.2	238.00	239.00	I273678	1.00	0.05
		Pyrite 0.2%	239.00	240.00	I273679	1.00	0.061
		Fg to f-mg eu-subhedral fracture controlled.					
239.20	260.95	Vn;3%;Qak;;;;	240.00	241.00	I273680	1.00	0.208
		vein (5 mm - 10 cm) 3% quartz-ankerite					
		White to translucent grey qtz-ankerite with selecte pinkish feldspar incl. Veins to veinlets typically					
		oriented within foliation . Selectively undulose and folded. Few cross-cutting rock.					
241.00	244.00	Py00.1	241.00	242.00	I273681	1.00	0.128
		Pyrite 0.1%	242.00	243.00	I273682	1.00	0.035
		Fg to f-mg eu-subhedral fracture controlled.	243.00	244.00	I273683	1.00	0.135
244.00	245.00	Py00.2	244.00	245.00	I273684	1.00	1.89
		Pyrite 0.2%					
		Fg to f-mg eu-subhedral fracture controlled.					
245.00	247.00	Py00.1	245.00	246.00	I273685	1.00	0.069
		Pyrite 0.1%	246.00	247.00	I273686	1.00	0.088
		Fg to f-mg eu-subhedral fracture controlled.					
247.00	252.00	Py00.2	247.00	248.00	I273687	1.00	0.168
		Pyrite 0.2%	248.00	249.00	I273688	1.00	0.541
		Fg to f-mg eu-subhedral fracture controlled.	249.00	250.00	I273689	1.00	1.95
			250.00	251.00	I273690	1.00	0.198
			251.00	252.00	I273691	1.00	0.615
252.00	253.00	Py00.1	252.00	253.00	I273692	1.00	0.708
		Pyrite 0.1%					
		Fg to f-mg eu-subhedral fracture controlled.					
253.00	256.00	Py00.2	253.00	254.00	I273693	1.00	0.44
		Pyrite 0.2%	254.00	255.00	I273694	1.00	0.449
		Fg to f-mg eu-subhedral fracture controlled.					
255.00	301.40	Ank02; Se02; Cl02; Mgt01	255.00	256.00	I273695	1.00	0.04
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 1					
		Moderate to strong pervasive ankerite alteration. Moderate to locally strong interstitial sericitization.					
		Moderate med to dk green chlorite. Isolated zones of weak to moderate disseminated magnetite.					
256.00	257.00	Py00.1	256.00	257.00	I273696	1.00	0.228
		Pyrite 0.1%					
		Fg to f-mg eu-subhedral fracture controlled.					
257.00	258.00	Py00.2	257.00	258.00	I273697	1.00	0.412
		Pyrite 0.2%					
		Fg to f-mg eu-subhedral fracture controlled.					
258.00	261.00	Py00.5	258.00	259.00	I273698	1.00	0.182
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg eu-subhedral fracture controlled.	259.00	260.00	I273699	1.00	0.302
			260.00	261.00	I273702	1.00	0.388
260.95	261.18	Vm;75%;Qak;Vn;;; **major vein (10 cm or greater) 75% quartz-ankerite vein parallel to foliation** White to pinky-grey qtz-ankerite vein with minor feldspar. Sharp boundaries within foliation. Few small veinlets branching off main vein and running perpendicular to foliation.					
261.00	263.00	Py00.1 **Pyrite 0.1%** Fg to f-mg eu-subhedral fracture controlled.	261.00	262.00	I273703	1.00	0.224
261.18	297.30	Vn;3%;Qak;Vn;;; **vein (5 mm - 10 cm) 3% quartz-ankerite vein parallel to foliation** Beige to greyish ankerite-qtz veining with selected feldspar incl and pegmatitic texture. Veining typically undulose within foliation with few cross-cutting.	262.00	263.00	I273704	1.00	0.154
263.00	264.00	Py00.2 **Pyrite 0.2%** Fg to f-mg eu-subhedral fracture controlled.	263.00	264.00	I273705	1.00	0.191
			264.00	265.00	I273706	1.00	0.01
			265.00	266.00	I273707	1.00	0.019
			266.00	267.00	I273708	1.00	0.021
267.00	268.00	Py00.2 **Pyrite 0.2%** Fg to f-mg eu-subhedral fracture controlled.	267.00	268.00	I273709	1.00	0.373
268.00	271.00	Py00.1 **Pyrite 0.1%** Fg to f-mg eu-subhedral fracture controlled.	268.00	269.00	I273710	1.00	0.178
			269.00	270.00	I273711	1.00	0.09
			270.00	271.00	I273712	1.00	0.129
			271.00	272.00	I273713	1.00	0.123
			272.00	273.00	I273714	1.00	0.075
			273.00	274.00	I273715	1.00	0.075
			274.00	275.00	I273716	1.00	0.043
			275.00	276.00	I273717	1.00	0.022
276.00	279.45	Py00.1 **Pyrite 0.1%** Fg fracture controlled.	276.00	277.10	I273718	1.10	0.15
			277.10	278.20	I273719	1.10	0.08
			278.20	279.30	I273720	1.10	0.008
			279.30	279.80	I273721	0.50	0.073
279.45	279.80	Py00.2 **Pyrite 0.2%** Fg and vein associated.	279.80	281.00	I273722	1.20	0.019
			281.00	282.00	I273723	1.00	0.009
282.00	285.00	Py00.1 **Pyrite 0.1%**	282.00	283.00	I273724	1.00	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg and vein associated.	283.00	284.00	I273727	1.00	0.01
			284.00	285.00	I273728	1.00	0.018
			285.00	286.00	I273729	1.00	<0.005
			286.00	286.72	I273730	0.72	<0.005
			286.72	287.67	I273731	0.95	0.009
			287.67	288.80	I273732	1.13	0.022
			288.80	290.00	I273733	1.20	0.061
			290.00	291.00	I273734	1.00	0.007
			291.00	292.00	I273735	1.00	0.009
			292.00	293.00	I273736	1.00	0.014
292.50	295.00	Py00.1	293.00	294.00	I273737	1.00	0.033
		Pyrite 0.1%	294.00	295.00	I273738	1.00	0.027
		Fg and vein associated.	295.00	296.00	I273739	1.00	0.02
			296.00	297.00	I273740	1.00	0.112
297.00	299.00	Py00.1	297.00	297.88	I273741	0.88	0.093
		Pyrite 0.1%					
		Fg and vein associated.					
297.30	301.47	Vn;5%;Qak;Ra;;;	297.88	299.13	I273742	1.25	0.603
		vein (5 mm - 10 cm) 5% quartz-ankerite random	299.13	300.38	I273743	1.25	0.041
		Qtz-ankerite veining with pinkish-red feldspar incl. Cross-cutting foliation.	300.38	301.47	I273744	1.09	0.014
301.40	367.75	Cl03; Ank02; Se02; Mgt02; Ca01					
		Chlorite 3; Ankerite 2; Sericite 2; Magnetite 2; Calcite 1					
		Strong med to dk green chloritization. Moderate interstitial ankerite-sericite alteration. Moderate disseminated magnetite. Weak selective calcite alteration.					
301.47	315.00	Vt;2%;Qcr;Vn;;;	301.47	302.75	I273745	1.28	<0.005
		veinlet (1-5 mm) 2% quartz-carbonate vein parallel to foliation	302.75	304.00	I273746	1.25	0.013
		Beige qtz-ankerite veinlets with some calcite. Undulatory and folded within foliation. Few pinky-grey veins cross-cutting foliation.	304.00	305.00	I273747	1.00	0.005
			305.00	306.00	I273748	1.00	0.019
			306.00	307.00	I273749	1.00	0.007
			307.00	308.00	I273752	1.00	0.006
			308.00	309.00	I273753	1.00	0.007
			309.00	310.00	I273754	1.00	<0.005
			310.00	311.00	I273755	1.00	0.006
311.00	312.00	Py00.1	311.00	312.00	I273756	1.00	0.005
		Pyrite 0.1%	312.00	313.00	I273757	1.00	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg and vein associated.	313.00	314.00	I273758	1.00	0.006
			314.00	315.00	I273759	1.00	0.006
315.00	320.00	Vn;20%;Qak;Ra;;;	315.00	316.00	I273760	1.00	<0.005
		vein (5 mm - 10 cm) 20% quartz-ankerite random	316.00	317.00	I273761	1.00	0.005
		White-beige to pinky-red qtz-ankerite and feldspar veining. Pegmatitic textures. Irregular - folded within	317.00	318.00	I273762	1.00	<0.005
		foliation as well as cross-cutting. Selective incl of dk green chl.	318.00	319.00	I273763	1.00	0.087
			319.00	320.00	I273764	1.00	0.007
320.00	361.80	Vn;3%;Qcr;Ra;;;	320.00	321.00	I273765	1.00	0.028
		vein (5 mm - 10 cm) 3% quartz-carbonate random					
		Beige to pinky-red qtz-ankerite veining with feldpar and pegmatitic texture. Undulatory and folded within					
		foliation. Selective calcite veinlets. Few pinky-grey veins cross-cutting foliation.					
321.00	322.00	Py00.1	321.00	322.00	I273766	1.00	0.014
		Pyrite 0.1%	322.00	323.00	I273767	1.00	0.005
		Fg and vein associated.	323.00	324.00	I273768	1.00	<0.005
			324.00	325.00	I273769	1.00	0.005
			325.00	326.00	I273770	1.00	0.007
			326.00	327.00	I273771	1.00	0.016
			327.00	328.00	I273772	1.00	<0.005
			328.00	329.00	I273773	1.00	0.005
			329.00	330.00	I273774	1.00	0.033
			330.00	331.00	I273777	1.00	0.005
			331.00	332.00	I273778	1.00	0.009
			332.00	333.00	I273779	1.00	<0.005
			333.00	334.00	I273780	1.00	<0.005
			334.00	335.00	I273781	1.00	0.005
			335.00	336.00	I273782	1.00	0.005
336.00	342.00	Py00.1	336.00	337.00	I273783	1.00	0.011
		Pyrite 0.1%	337.00	338.00	I273784	1.00	0.006
		Fg and vein associated.	338.00	339.00	I273785	1.00	0.005
			339.00	340.00	I273786	1.00	<0.005
			340.00	341.00	I273787	1.00	<0.005
			341.00	342.00	I273788	1.00	0.005
			342.00	343.00	I273789	1.00	0.007
			343.00	344.00	I273790	1.00	<0.005
			344.00	345.00	I273791	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			345.00	345.91	I273792	0.91	<0.005
345.90	346.50	V4M	345.91	347.00	I273793	1.09	0.005
		Trachyte mafic	347.00	348.00	I273794	1.00	<0.005
		fine grained trachyte mafic, greenish, flooding quartz-carbonates veins	348.00	349.00	I273795	1.00	0.005
			349.00	350.00	I273796	1.00	<0.005
			350.00	351.00	I273797	1.00	<0.005
			351.00	352.00	I273798	1.00	0.005
			352.00	353.00	I273799	1.00	<0.005
			353.00	354.00	I273802	1.00	0.006
			354.00	355.00	I273803	1.00	<0.005
			355.00	356.00	I273804	1.00	<0.005
			356.00	357.00	I273805	1.00	0.006
			357.00	358.00	I273806	1.00	<0.005
			358.00	359.00	I273807	1.00	0.005
			359.00	360.00	I273808	1.00	0.058
			360.00	361.00	I273809	1.00	<0.005
			361.00	362.00	I273810	1.00	<0.005
361.80	364.00	Vn;25%;Qak;Ra;;;	362.00	363.00	I273811	1.00	<0.005
		vein (5 mm - 10 cm) 25% quartz-ankerite random	363.00	364.00	I273812	1.00	<0.005
		Beige to pinky-grey qtz-ankerite veining with feldspar. Pegmatite texture. Folded and undulose within foliation. Selectively cross-cutting.					
364.00	367.75	Vt;2%;Qcr;Ra;;;	364.00	365.00	I273813	1.00	<0.005
		veinlet (1-5 mm) 2% quartz-carbonate random	365.00	366.00	I273814	1.00	<0.005
		Greyish-beige qtz-ankerite veinlets undulose within foliation. Selective greyish calcite veinlets.	366.00	367.00	I273815	1.00	<0.005
367.00	368.00	Py00.1	367.00	368.00	I273816	1.00	<0.005
		Pyrite 0.1%					
		Fg and vein associated.					
367.75	438.00	V4; Fol; Tuff					
		Trachyte 80°; Foliated; TUFF					
		Med to dk green fg trachyte tuff. Strong pervasive chloritization with moderate interstitial calcite and pervasive disseminated magnetite. Isolated interstitial sericite. Moderate pervasive foliation at high angle tca. Pink calcite veinlets as well as qtz-calcite-chl veining with isolated incl of ankerite. Isolated f-mg pink calcite altered fragments oriented perpendicular tca within foliation. Trace fg py.					
367.75	438.00	Cl03; Ca02; Mgt02; Se01	368.00	369.00	I273817	1.00	<0.005
		Chlorite 3; Calcite 2; Magnetite 2; Sericite 1	369.00	370.00	I273818	1.00	<0.005
		Strong pervasive dk green chloritization. Moderate interstitial pinky calcite. Moderate to strong disseminated magnetite. Isolated patches of weak to moderate interstitial sericite.	370.00	371.00	I273819	1.00	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			371.00	372.00	I273820	1.00	<0.005
			372.00	373.00	I273821	1.00	<0.005
			373.00	374.00	I273822	1.00	<0.005
			374.00	375.00	I273823	1.00	<0.005
			375.00	376.00	I273824	1.00	0.006
			376.00	377.00	I273827	1.00	0.014
			377.00	378.00	I273828	1.00	0.006
367.75	378.00	Vt;2%;Qcc;Ra;;; **veinlet (1-5 mm) 2% quartz-calcite-chlorite random** Pinky-white to dk green qtz-calcite-chl veining within foliation to irregular.					
378.00	379.40	Vn;10%;Qak;Ra;;; **vein (5 mm - 10 cm) 10% quartz-ankerite random** Beige to pinky-red qtz-ankerite with feldspar veining. Irregular and undulose within foliation.	378.00	379.00	I273829	1.00	0.005
			379.00	380.00	I273830	1.00	<0.005
379.40	396.75	Vt;3%;Ca;Ra;;; **veinlet (1-5 mm) 3% calcite random** Greyish-white to pinky calcite veins to veinlets with isolated qtz incl. Within and irregular to foliation.	380.00	381.00	I273831	1.00	<0.005
			381.00	382.00	I273832	1.00	0.008
			382.00	383.00	I273833	1.00	0.008
			383.00	384.00	I273834	1.00	0.005
			384.00	385.00	I273835	1.00	0.006
			385.00	386.00	I273836	1.00	0.07
			386.00	387.00	I273837	1.00	0.008
			387.00	388.00	I273838	1.00	0.007
			388.00	389.00	I273839	1.00	0.007
			389.00	390.00	I273840	1.00	<0.005
			390.00	391.00	I273841	1.00	<0.005
			391.00	392.00	I273842	1.00	0.005
			392.00	393.00	I273843	1.00	<0.005
			393.00	394.00	I273844	1.00	<0.005
			394.00	395.00	I273845	1.00	<0.005
			395.00	396.00	I273846	1.00	<0.005
			396.00	396.80	I273847	0.80	<0.005
396.75	428.75	Vn;10%;Qcr;Ra;;; **vein (5 mm - 10 cm) 10% quartz-carbonate random** Pink to beige and greyish to dk green qtz-calcite veining with selected beige ankerite. Selected incl of dk green chl. Within and irregular to foliation. Pegmatitic textures. Calcite veinlets throughout.	396.80	398.00	I273848	1.20	<0.005
			398.00	399.30	I273849	1.30	0.006
			399.30	400.00	I273852	0.70	<0.005
			400.00	401.00	I273853	1.00	<0.005
			401.00	402.00	I273854	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			402.00	403.00	I273855	1.00	<0.005
			403.00	404.00	I273856	1.00	<0.005
			404.00	405.10	I273857	1.10	<0.005
			405.10	406.00	I273858	0.90	<0.005
406.00	407.00	Py00.1	406.00	407.00	I273859	1.00	0.005
		Pyrite 0.1%	407.00	408.00	I273860	1.00	<0.005
		Fg vein associated.	408.00	409.00	I273861	1.00	<0.005
			409.00	410.00	I273862	1.00	<0.005
			410.00	411.00	I273863	1.00	<0.005
			411.00	412.00	I273864	1.00	<0.005
			412.00	413.00	I273865	1.00	<0.005
			413.00	414.00	I273866	1.00	<0.005
			414.00	415.00	I273867	1.00	<0.005
			415.00	415.50	I273868	0.50	<0.005
			415.50	416.00	I273869	0.50	<0.005
			416.00	417.00	I273870	1.00	<0.005
			417.00	418.00	I273871	1.00	<0.005
			418.00	419.00	I273872	1.00	<0.005
			419.00	420.20	I273873	1.20	<0.005
420.00	421.00	Cp00.1	420.20	421.00	I273874	0.80	<0.005
		Chalcopyrite 0.1%	421.00	422.00	I273877	1.00	<0.005
		Vein controlled bleb of chalcopyrite.	422.00	423.00	I273878	1.00	<0.005
			423.00	424.00	I273879	1.00	<0.005
			424.00	425.00	I273880	1.00	<0.005
			425.00	426.00	I273881	1.00	<0.005
			426.00	427.00	I273882	1.00	0.011
			427.00	428.00	I273883	1.00	<0.005
			428.00	429.00	I273884	1.00	0.009
428.75	438.00	Vt;5%;Ca;Ra;;;	429.00	430.00	I273885	1.00	<0.005
		veinlet (1-5 mm) 5% calcite random	430.00	431.00	I273886	1.00	<0.005
		Pinky-grey calcite veins and veinlets. Selective incl of qtz. Within and irregular to foliation.	431.00	432.00	I273887	1.00	0.006
			432.00	433.00	I273888	1.00	<0.005
			433.00	434.00	I273889	1.00	<0.005
			434.00	435.00	I273890	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	435.00	436.00	I273891	1.00	<0.005
	436.00	437.00	I273892	1.00	<0.005
	437.00	438.00	I273893	1.00	<0.005
438.00	**End of DDH**				
	Number of samples: 405				
	Number of QAQC samples: 34				
	Total sampled length: 398.40				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_29

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Gilles Kamta	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	05/02/2014	Description date:	08/02/2014
		To:	11/02/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 446.95 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,812.982
North	0.0	0.000	5,331,414.364
Elevation	0.0	0.000	343.742

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-55.0°	No	
ReflexEZS	75.00	174.7°	-50.3°	No	Mag = 55208
ReflexEZS	140.00	177.2°	-51.3°	No	Mag = 55456
ReflexEZS	200.00	172.5°	-51.9°	No	Mag = 56191
ReflexEZS	261.00	176.1°	-52.1°	No	Mag = 55170
ReflexEZS	320.00	177.7°	-52.5°	No	Mag = 54840
ReflexEZS	380.00	180.2°	-52.5°	No	Mag = 54751
ReflexEZS	440.00	175.6°	-52.9°	No	Mag = 54410

Description

Re-Logged by Ciara Cooke in May 2014.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	65.00	OVB **Overburden** Correction made at the beging @ 0 to 63 ---------- Steps: 1- bloc 75 m was corrected 78 m by drillers Geos corrections. 2-bloc 72 m was replaced by 75 m 3-bloc 72 m was moved to 69 m 4- bloc 69 m was moved to 66 m 5- the bloc 66 m privious casing bloc was moved to bloc 63 m. the new casing become @ 63 m ---------- In the casing @ 60-63 m 2 meters was lost, so we end the casing @ 65 m instead of @ 63 m. Fragments of heterogeneous rocks, mixture of pinkish syenites, mafic volcanite and strongly oxide fragments ---------- @194-213m core rub by oil.					
65.00	113.20	V4; Per; **Trachyte; PERLITIC;** Intensely oxidized and broken core to 90.2m. Localized goethite in 1st recovered metre. Orangy-red to greyish-red trachyte. Dominantly potassic-ankerite alteration. Glassy aphanitic groundmass with perlitic quench texture. Zones of intense greyish potassic-ankerite alteration giving rock appearance of brecciation. Dk green chl veinlets. Late stage grey qtz veinlets with incl of chalcopyrite. Chalcopyrite and molybdenite along fracture planes. Few quenched flow tops with strong dk green chl alteration.	65.00	66.00	H410388	1.00	0.36
			66.00	67.00	H410389	1.00	0.285
			67.00	68.00	H410390	1.00	0.473
			68.00	69.00	H410391	1.00	0.906
65.00	69.00	Py00.5 **Pyrite 0.5%** Fine diss pyrite					
69.00	70.00	Py01 **Pyrite 1%** AutoInsert by "trg_updMineral" Updated	69.00	70.00	H410392	1.00	0.696
70.00	73.20	Py00.5 **Pyrite 0.5%**	70.00	71.00	H410393	1.00	3.61
			71.00	72.00	H410394	1.00	1.73
			72.00	72.60	H410395	0.60	1.78
			72.60	73.20	H410396	0.60	1.56
73.20	78.00	Py01 **Pyrite 1%**	73.20	74.00	H410397	0.80	1.98
			74.00	75.00	H410398	1.00	0.864
			75.00	76.00	H410399	1.00	3.33
			76.00	77.00	H410402	1.00	1.4

Description			Assay				
			From	To	Sample number	Length	AuBest
			77.00	78.00	H410403	1.00	1.93
78.00	80.00	Py00.5	78.00	79.00	H410404	1.00	1.46
		Pyrite 0.5%	79.00	80.00	H410405	1.00	0.83
80.00	81.00	Py01	80.00	81.00	H410406	1.00	1.97
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
81.00	82.00	Py00.5	81.00	82.00	H410407	1.00	1.81
		Pyrite 0.5%					
		AutoInsert by "trg_updMineral" Updated					
82.00	83.00	Py00.7	82.00	83.00	H410408	1.00	1.61
		Pyrite 0.7%					
		AutoInsert by "trg_updMineral" Updated					
83.00	84.00	Py00.5	83.00	84.00	H410409	1.00	0.857
		Pyrite 0.5%	84.00	85.30	MU14_29_84.00_85.30	1.30	
		AutoInsert by "trg_updMineral" Updated					
85.30	86.00	Py01	85.30	86.00	H410410	0.70	0.814
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
86.00	89.00	Py02	86.00	87.00	H410411	1.00	0.249
		Pyrite 2%	87.00	88.00	H410412	1.00	0.21
		fine diss py locally in quartz carbonates veinlets	88.00	89.00	H410413	1.00	0.77
89.00	92.00	Py01	89.00	90.00	H410414	1.00	0.261
		Pyrite 1%	90.00	91.00	H410415	1.00	0.167
			91.00	92.00	H410416	1.00	0.147
92.00	94.00	Py00.5	92.00	93.00	H410417	1.00	0.093
		Pyrite 0.5%	93.00	94.00	H410418	1.00	0.22
94.00	95.40	Py01	94.00	94.50	H410419	0.50	0.809
		Pyrite 1%	94.50	95.40	H410420	0.90	0.307
		up to 1% diss py					
95.40	101.00	Py01	95.40	96.20	H410421	0.80	0.364
		Pyrite 1%	96.20	97.00	H410422	0.80	0.652
			97.00	98.00	H410423	1.00	0.155
			98.00	99.00	H410424	1.00	0.125
			99.00	100.00	H410427	1.00	0.308
			100.00	101.00	H410428	1.00	0.728
101.00	110.90	Py02	101.00	102.00	H410429	1.00	0.756

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%	102.00	103.00	H410430	1.00	0.328
		fine disseminated pyrite	103.00	104.00	H410431	1.00	0.142
			104.00	105.00	H410432	1.00	0.322
			105.00	106.00	H410433	1.00	0.22
			106.00	107.00	H410434	1.00	0.205
			107.00	108.00	H410435	1.00	0.195
			108.00	108.70	H410436	0.70	0.197
			108.70	109.40	H410437	0.70	0.418
			109.40	110.00	H410438	0.60	0.179
109.50	111.20	FTH	110.00	110.90	H410439	0.90	1.67
		Flow Top/Hyaloclastite 25°					
		Dk green quench zone. Fg glass groundmass with intense pervasive chl-magnetite alteration. Broken angular fragments of pinky-grey potassic-ankerite altered trachyte. Beige to greyish-white ankerite veinlets. Distinct contacts.					
110.90	125.00	Py01	110.90	112.00	H410440	1.10	2.06
		Pyrite 1%	112.00	113.04	H410441	1.04	0.647
		diss pyrite up to 1%	113.04	114.00	H410442	0.96	1.61
113.20	123.85	V4; FlBand; Per	114.00	115.00	H410443	1.00	0.14
		Trachyte; FLOWBANDED; PERLITIC	115.00	116.00	H410444	1.00	0.488
		Med red to greyish flow banded trachyte. Aphanitic glassy groundmass. Fine banding almost perpendicular tca and with irregular slumps and crenulations. Dk green chl-magnetite bands with red potassic altered bands and greyish ankeritic bands. Banding is non-continuous throughout unit with patches of red quenched glassy trachyte. Pinky-grey ankerite veinlets. Few mm veinlets of specular hematite.	116.00	117.00	H410445	1.00	0.516
			117.00	118.00	H410446	1.00	0.491
			118.00	119.00	H410447	1.00	0.24
			119.00	120.00	H410448	1.00	0.209
			120.00	121.00	H410449	1.00	0.309
			121.00	122.00	H410452	1.00	0.073
			122.00	123.00	H410453	1.00	0.113
			123.00	124.00	H410454	1.00	0.401
123.85	330.10	V4; Per; Cry	124.00	125.00	H410455	1.00	0.205
		Trachyte; PERLITIC; CRYSTALRICH					
		Med red to grey-mauve trachyte. Glassy aphanitic groundmass with perlitic texture. Intense potassic alteration with selective ankerite. Localized units of dk green glassy flow tops with chl-magnetite alteration and altered trachyte fragments. Networks of greyish-pink ankerite veinlets. Greyish-white to pinky calcite veins with clustered fluorite crystals and hematite seams. Isolated clusters of possible spherulites - red rounded glassy features or bubbles. Isolated crystal rich zones with mg pinky-white subhedral feldspars.					
125.00	126.00	Py00.5	125.00	126.00	H410456	1.00	0.179
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		AutoInsert by "trg_updMineral" Updated					
126.00	137.10	Py01	126.00	127.00	H410457	1.00	0.137
		Pyrite 1%	127.00	128.00	H410458	1.00	0.302
			128.00	129.00	H410459	1.00	0.2
			129.00	130.00	H410460	1.00	0.318
			130.00	131.00	H410461	1.00	0.326
			131.00	132.00	H410462	1.00	0.177
			132.00	133.00	H410463	1.00	0.135
			133.00	134.00	H410464	1.00	0.056
			134.00	135.00	H410465	1.00	0.139
			135.00	136.00	H410466	1.00	0.254
			136.00	137.10	H410467	1.10	0.099
137.10	140.70	Py03	137.10	138.00	H410468	0.90	0.085
		Pyrite 3%	138.00	139.00	H410469	1.00	0.208
			139.00	140.00	H410470	1.00	0.195
			140.00	140.70	H410471	0.70	0.243
140.70	153.00	Py01	140.70	141.40	H410472	0.70	0.134
		Pyrite 1%	141.40	142.10	H410473	0.70	0.082
			142.10	143.00	H410474	0.90	0.216
			143.00	144.00	H410477	1.00	0.182
			144.00	145.00	H410478	1.00	0.204
			145.00	146.00	H410479	1.00	0.245
			146.00	147.00	H410480	1.00	0.281
			147.00	148.00	H410481	1.00	0.337
			148.00	149.00	H410482	1.00	0.19
			149.00	150.00	H410483	1.00	0.558
			150.00	151.00	H410484	1.00	0.728
			151.00	152.00	H410485	1.00	0.529
			152.00	153.00	H410486	1.00	0.439
153.00	160.00	Py00.5	153.00	154.00	H410487	1.00	0.721
		Pyrite 0.5%	154.00	155.00	H410488	1.00	0.414
			155.00	156.00	H410489	1.00	0.303
			156.00	157.00	H410490	1.00	0.328
			157.00	158.00	H410491	1.00	0.094

Description			Assay				
			From	To	Sample number	Length	AuBest
			158.00	159.00	H410492	1.00	0.167
			159.00	160.00	H410493	1.00	0.107
160.00	163.00	Py01	160.00	161.00	H410494	1.00	0.238
		Pyrite 1%	161.00	162.00	H410495	1.00	0.128
			162.00	163.00	H410496	1.00	0.181
163.00	171.00	Py02	163.00	164.00	H410497	1.00	0.189
		Pyrite 2%	164.00	165.00	H410498	1.00	0.314
			165.00	166.00	H410499	1.00	0.244
			166.00	167.00	H750552	1.00	0.274
			167.00	168.00	H750553	1.00	0.244
			168.00	169.00	H750554	1.00	0.121
			169.00	170.00	H750555	1.00	0.214
			170.00	171.00	H750556	1.00	0.298
171.00	184.00	Py01	171.00	172.00	H750557	1.00	0.178
		Pyrite 1%	172.00	173.00	H750558	1.00	0.16
			173.00	174.00	H750559	1.00	0.183
			174.00	175.00	H750560	1.00	0.129
			175.00	176.00	H750561	1.00	0.174
			176.00	177.00	H750562	1.00	0.214
			177.00	178.00	H750563	1.00	0.211
			178.00	179.00	H750564	1.00	0.231
			179.00	180.00	H750565	1.00	0.337
			180.00	181.00	H750566	1.00	0.484
			181.00	182.00	H750567	1.00	0.282
			182.00	183.00	H750568	1.00	0.237
			183.00	184.00	H750569	1.00	0.345
184.00	190.00	Py02	184.00	185.00	H750570	1.00	0.266
		Pyrite 2%	185.00	186.00	H750571	1.00	0.329
			186.00	187.00	H750572	1.00	0.26
			187.00	188.00	H750573	1.00	0.173
			188.00	189.00	H750574	1.00	0.257
			189.00	190.00	H750577	1.00	0.289
190.00	197.00	Py01	190.00	191.00	H750578	1.00	0.202
		Pyrite 1%	191.00	192.00	H750579	1.00	0.316

Description			Assay				
			From	To	Sample number	Length	AuBest
			192.00	193.00	H750580	1.00	0.231
			193.00	194.00	H750581	1.00	0.257
			194.00	195.00	H750582	1.00	0.229
			195.00	196.00	H750583	1.00	0.203
			196.00	197.00	H750584	1.00	0.237
197.00	200.00	Py00.5	197.00	198.00	H750585	1.00	0.246
		Pyrite 0.5%	198.00	199.00	H750586	1.00	0.293
			199.00	200.00	H750587	1.00	0.178
200.00	204.00	Py01	200.00	201.00	H750588	1.00	0.124
		Pyrite 1%	201.00	202.00	H750589	1.00	0.556
			202.00	203.00	H750590	1.00	0.175
			203.00	204.00	H750591	1.00	0.143
204.00	213.00	Py00.5	204.00	205.00	H750592	1.00	0.154
		Pyrite 0.5%	205.00	206.00	H750593	1.00	0.114
			206.00	207.00	H750594	1.00	0.156
			207.00	208.00	H750595	1.00	0.122
			208.00	209.00	H750596	1.00	0.115
			209.00	210.00	H750597	1.00	0.252
			210.00	211.00	H750598	1.00	0.105
			211.00	212.00	H750599	1.00	0.132
			212.00	213.00	H750602	1.00	0.175
213.00	218.80	Py01	213.00	214.00	H750603	1.00	0.288
		Pyrite 1%	214.00	215.00	H750604	1.00	0.139
			215.00	216.00	H750605	1.00	0.088
			216.00	217.00	H750606	1.00	0.178
			217.00	218.00	H750607	1.00	0.477
			218.00	218.80	H750608	0.80	0.356
218.80	226.70	Py00.5	218.80	219.50	H750609	0.70	0.078
		Pyrite 0.5%	219.50	220.30	H750610	0.80	0.125
		Pyrite stringers and cluster diss	220.30	221.00	H750611	0.70	0.071
			221.00	222.00	H750612	1.00	0.052
			222.00	222.75	H750613	0.75	0.025
			222.75	223.45	H750614	0.70	0.017
			223.45	224.40	H750615	0.95	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
			224.40	225.40	H750616	1.00	0.008
			225.40	226.70	H750617	1.30	0.387
226.70	229.10	Py02	226.70	227.80	H750618	1.10	0.684
		Pyrite 2%	227.80	229.10	H750619	1.30	0.281
229.10	231.00	Py03	229.10	230.00	H750620	0.90	0.452
		Pyrite 3%	230.00	231.00	H750621	1.00	0.517
231.00	239.00	Py02	231.00	231.90	H750622	0.90	0.6
		Pyrite 2%	231.90	233.00	H750623	1.10	0.211
			233.00	234.00	H750624	1.00	0.297
			234.00	235.00	H750627	1.00	0.39
			235.00	236.00	H750628	1.00	0.272
			236.00	237.00	H750629	1.00	0.295
			237.00	238.00	H750630	1.00	0.441
			238.00	239.00	H750631	1.00	0.377
239.00	242.00	Py03	239.00	240.00	H750632	1.00	0.532
		Pyrite 3%	240.00	241.00	H750633	1.00	0.707
			241.00	242.00	H750634	1.00	0.468
242.00	248.00	Py01	242.00	243.00	H750635	1.00	0.187
		Pyrite 1%	243.00	244.00	H750636	1.00	0.322
			244.00	245.00	H750637	1.00	0.419
			245.00	246.00	H750638	1.00	0.312
			246.00	247.00	H750639	1.00	0.2
			247.00	248.00	H750640	1.00	0.33
248.00	249.90	Py00.5	248.00	249.20	H750641	1.20	0.109
		Pyrite 0.5%	249.20	250.00	H750642	0.80	0.33
249.90	257.00	Py02	250.00	251.00	H750643	1.00	0.351
		Pyrite 2%	251.00	252.00	H750644	1.00	0.738
			252.00	253.00	H750645	1.00	0.796
			253.00	254.00	H750646	1.00	0.44
			254.00	255.00	H750647	1.00	0.48
			255.00	256.00	H750648	1.00	0.461
			256.00	257.00	H750649	1.00	0.433
257.00	263.00	Py01; Py	257.00	258.00	H750652	1.00	0.37
		Pyrite 1%; Pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
			258.00	259.00	H750653	1.00	0.092
			259.00	260.00	H750654	1.00	0.063
			260.00	261.00	H750655	1.00	0.134
			261.00	262.00	H750656	1.00	2.27
			262.00	263.00	H750657	1.00	0.118
263.00	270.00	Py00.5	263.00	264.00	H750658	1.00	0.018
		Pyrite 0.5%	264.00	265.00	H750659	1.00	0.018
			265.00	266.00	H750660	1.00	0.01
			266.00	267.00	H750661	1.00	0.012
			267.00	268.00	H750662	1.00	0.019
			268.00	269.00	H750663	1.00	0.007
			269.00	270.00	H750664	1.00	0.008
270.00	272.00	Py01	270.00	271.00	H750665	1.00	0.055
		Pyrite 1%	271.00	272.00	H750666	1.00	0.279
272.00	285.00	Py03	272.00	273.00	H750667	1.00	0.27
		Pyrite 3%	273.00	274.00	H750668	1.00	0.239
			274.00	275.00	H750669	1.00	0.223
			275.00	276.00	H750670	1.00	0.271
			276.00	277.00	H750671	1.00	0.192
			277.00	278.00	H750672	1.00	0.468
			278.00	279.00	H750673	1.00	0.647
			279.00	280.00	H750674	1.00	0.577
			280.00	281.00	H750677	1.00	0.289
			281.00	282.00	H750678	1.00	0.472
			282.00	283.00	H750679	1.00	0.577
			283.00	284.00	H750680	1.00	0.568
			284.00	285.00	H750681	1.00	1.41
285.00	294.00	Py01	285.00	286.00	H750682	1.00	1.62
		Pyrite 1%	286.00	287.00	H750683	1.00	0.34
			287.00	288.00	H750684	1.00	1.13
			288.00	289.00	H750685	1.00	0.861
			289.00	290.00	H750686	1.00	1.42
			290.00	291.00	H750687	1.00	0.683
			291.00	292.00	H750688	1.00	0.175

Description			Assay				
			From	To	Sample number	Length	AuBest
			292.00	293.00	H750689	1.00	0.239
			293.00	294.00	H750690	1.00	0.206
294.00	300.00	Py03	294.00	295.00	H750691	1.00	0.47
		Pyrite 3%	295.00	296.00	H750692	1.00	0.644
			296.00	297.00	H750693	1.00	0.167
			297.00	298.00	H750694	1.00	0.18
			298.00	299.00	H750695	1.00	0.042
			299.00	300.00	H750696	1.00	0.081
300.00	311.00	Py02	300.00	301.00	H750697	1.00	0.162
		Pyrite 2%	301.00	302.00	H750698	1.00	0.236
			302.00	303.00	H750699	1.00	0.207
			303.00	304.00	H750702	1.00	0.161
			304.00	305.00	H750703	1.00	0.216
			305.00	306.00	H750704	1.00	0.434
			306.00	307.00	H750705	1.00	0.169
			307.00	308.00	H750706	1.00	0.075
			308.00	309.00	H750707	1.00	0.136
			309.00	310.15	H750708	1.15	0.124
			310.15	311.00	H750709	0.85	0.242
311.00	322.00	Py01	311.00	312.00	H750710	1.00	0.225
		Pyrite 1%	312.00	313.00	H750711	1.00	0.147
			313.00	314.00	H750712	1.00	0.109
			314.00	315.00	H750713	1.00	0.241
			315.00	316.00	H750714	1.00	0.046
			316.00	317.00	H750715	1.00	0.229
			317.00	318.00	H750716	1.00	0.049
			318.00	319.00	H750717	1.00	0.074
			319.00	320.00	H750718	1.00	0.107
			320.00	321.00	H750719	1.00	0.06
			321.00	322.00	H750720	1.00	0.066
322.00	333.85	Py00.5	322.00	322.80	H750721	0.80	0.093
		Pyrite 0.5%	322.80	323.95	H750722	1.15	0.145
			323.95	325.00	H750723	1.05	0.098
			325.00	326.00	H750724	1.00	0.05

Description			Assay				
			From	To	Sample number	Length	AuBest
			326.00	327.00	H750727	1.00	0.056
			327.00	328.00	H750728	1.00	0.036
			328.00	329.00	H750729	1.00	0.019
			329.00	330.00	H750730	1.00	0.033
			330.00	331.00	H750731	1.00	0.095
330.10	377.40	V4; Per; FlBand	331.00	332.00	H750732	1.00	0.17
		Trachyte; PERLITIC; FLOWBANDED	332.00	333.00	H750733	1.00	0.061
		Med red to greyish trachyte. Apahnitic glassy groundmass with perlitic texture. Weak to moderate intermittent flow banding 30-50 deg tca. Potassic alteration with ankerite alteration of glassy groundmass. Soft dull purple-grey bands of calcite-magnetite alteration and locally with chl. Ankerite and calcite veinlets. Isolated clusters of deep purple f-mg fluorite. Traces of vein controlled chalcopyrite and molybdenite. Zones of dk green to black fg bands or rafts of moderate to strongly magnetic and chloritized material - possible sedimentary horizons or chilled flow margins.	333.00	333.87	H750734	0.87	0.069
333.85	346.00	Py01	333.87	334.45	H750735	0.58	0.12
		Pyrite 1%	334.45	335.20	H750736	0.75	0.069
		Stringers and disseminated pyrite	335.20	336.00	H750737	0.80	0.079
			336.00	337.00	H750738	1.00	0.086
			337.00	338.00	H750739	1.00	0.136
			338.00	339.00	H750740	1.00	0.223
			339.00	340.00	H750741	1.00	0.35
			340.00	341.10	H750742	1.10	0.561
			341.10	342.00	H750743	0.90	0.088
			342.00	342.94	H750744	0.94	0.052
			342.94	344.00	H750745	1.06	0.142
			344.00	345.00	H750746	1.00	0.292
			345.00	346.00	H750747	1.00	0.924
346.00	357.00	Py03	346.00	347.00	H750748	1.00	0.535
		Pyrite 3%	347.00	348.00	H750749	1.00	0.185
		Stringers and fine disseminated pyrite	348.00	349.00	H750752	1.00	0.812
			349.00	350.00	H750753	1.00	0.62
			350.00	351.00	H750754	1.00	0.938
			351.00	352.00	H750755	1.00	0.407
			352.00	353.00	H750756	1.00	0.188
			353.00	354.00	H750757	1.00	0.558
			354.00	355.00	H750758	1.00	0.336

Description			Assay				
			From	To	Sample number	Length	AuBest
			355.00	356.00	H750759	1.00	0.506
			356.00	357.00	H750760	1.00	0.271
357.00	361.00	Py00.5; Cp00.1	357.00	357.85	H750761	0.85	0.049
		Pyrite 0.5%; Chalcopyrite 0.1%	357.85	359.00	H750762	1.15	0.049
		Chalcopyrite in quartz carbonate veinlets	359.00	360.00	H750763	1.00	0.112
			360.00	361.00	H750764	1.00	0.114
361.00	363.00	Py01	361.00	362.00	H750765	1.00	0.125
		Pyrite 1%	362.00	363.00	H750766	1.00	1.38
		spotty and infilled fractures					
363.00	365.00	Py00.5	363.00	364.00	H750767	1.00	0.193
		Pyrite 0.5%	364.00	365.00	H750768	1.00	0.361
365.00	371.00	Py01	365.00	366.00	H750769	1.00	0.484
		Pyrite 1%	366.00	367.00	H750770	1.00	0.409
			367.00	368.00	H750771	1.00	0.752
			368.00	369.00	H750772	1.00	0.528
			369.00	370.00	H750773	1.00	0.849
			370.00	371.00	H750774	1.00	1.52
371.00	374.00	Py02	371.00	372.00	H750777	1.00	0.579
		Pyrite 2%	372.00	373.00	H750778	1.00	0.242
			373.00	374.00	H750779	1.00	0.229
374.00	386.00	Py01	374.00	375.00	H750780	1.00	0.212
		Pyrite 1%	375.00	376.00	H750781	1.00	0.187
			376.00	377.00	H750782	1.00	0.348
			377.00	378.00	H750783	1.00	0.161
377.40	387.40	V4; Per; Pep	378.00	379.00	H750784	1.00	0.187
		Trachyte; PERLITIC; PEPERITIC	379.00	380.00	H750785	1.00	0.071
		Greyish to red trachyte. Aphanitic glassy groundmass with perlitic texture. Potassic alteration with ankerite	380.00	381.00	H750786	1.00	0.328
		alteration of groundmass. Weak flow banding. Dk grey to black fg strongly magnetic and chloritized material in	381.00	382.00	H750787	1.00	0.366
		irreuglar wispy bands - pepritic texture - lower contact chill margin btw trachytic flow and underlying sediments.	382.00	383.00	H750788	1.00	0.261
			383.00	384.00	H750789	1.00	0.149
			384.00	385.00	H750790	1.00	0.195
			385.00	386.00	H750791	1.00	0.189
386.00	388.00	Py00.5	386.00	387.00	H750792	1.00	0.113
		Pyrite 0.5%	387.00	388.00	H750793	1.00	0.049

Description			Assay				
			From	To	Sample number	Length	AuBest
387.40	390.30	S3; Fol; FlBand **Greywacke; Foliated; FLOWBANDED** Med green volcano-sedimentary unit. Fg with chl alteration. Disseminated f-mg magnetite. Selective ankerite alteration. Moderate pervasive foliation to flow banding with weak sericite alteration segregated and elongated along plane of deformation. Deep red patchy potassic-hematite alteration in patches and bands. Mantled porphyrobalsts indicating thrust movement. Ankerite veining.					
388.00	414.50	Py00.1 **Pyrite 0.1%** traces	388.00	388.50	H750794	0.50	0.027
			388.50	389.20	H750795	0.70	0.057
			389.20	390.20	H750796	1.00	0.009
			390.20	391.00	H750797	0.80	0.007
390.30	446.95	V4; Fol; Tuff **Trachyte; Foliated; TUFF** Med green trachyte. Intercalated flow and tuff units. Fg. Intense pervasive chl alteration. Disseminated f-mg magnetite. Selective carbonate alteration - ankerite and calcite. Moderate pervasive foliation with isolated weak sericite alteration segregated and elongated along plane of deformation. Flow banding towards lower ctc. Pinkish-white calcite and white-beige to pink qtz-ankerite veining.	391.00	392.00	H750798	1.00	0.011
			392.00	393.00	H750799	1.00	0.007
			393.00	394.00	H750802	1.00	0.012
			394.00	395.00	H750803	1.00	0.009
			395.00	396.00	H750804	1.00	<0.005
			396.00	397.00	H750805	1.00	0.009
			397.00	398.00	H750806	1.00	0.007
			398.00	399.00	H750807	1.00	0.005
			399.00	400.00	H750808	1.00	0.006
			400.00	401.00	H750809	1.00	0.007
			401.00	402.00	H750810	1.00	0.005
			402.00	403.00	H750811	1.00	0.006
			403.00	404.00	H750812	1.00	0.008
			404.00	405.00	H750813	1.00	0.006
			405.00	406.00	H750814	1.00	0.014
			406.00	407.00	H750815	1.00	0.012
			407.00	408.00	H750816	1.00	0.008
			408.00	409.00	H750817	1.00	0.006
			409.00	410.00	H750818	1.00	<0.005
			410.00	411.00	H750819	1.00	0.006
			411.00	412.00	H750820	1.00	0.011
			412.00	413.00	H750821	1.00	0.005
			413.00	414.00	H750822	1.00	0.014
			414.00	414.50	H750823	0.50	0.089
414.50	415.30	Py00.5	414.50	415.30	H750824	0.80	0.104

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		AutoInsert by "trg_updMineral" Updated					
415.30	446.95	Py00.2	415.30	416.00	H750827	0.70	<0.005
		Pyrite 0.2%	416.00	417.00	H750828	1.00	0.007
		traces of pyrite	417.00	418.00	H750829	1.00	0.007
			418.00	419.00	H750830	1.00	<0.005
			419.00	420.00	H750831	1.00	0.005
			420.00	421.00	H750832	1.00	<0.005
			421.00	422.00	H750833	1.00	<0.005
			422.00	423.00	H750834	1.00	<0.005
			423.00	424.00	H750835	1.00	0.006
			424.00	425.00	H750836	1.00	<0.005
			425.00	426.00	H750837	1.00	0.006
			426.00	427.00	H750838	1.00	<0.005
			427.00	428.00	H750839	1.00	<0.005
			428.00	429.00	H750840	1.00	<0.005
			429.00	430.00	H750841	1.00	<0.005
			430.00	431.00	H750842	1.00	0.005
			431.00	432.00	H750843	1.00	<0.005
			432.00	433.00	H750844	1.00	<0.005
			433.00	434.00	H750845	1.00	<0.005
			434.00	435.00	H750846	1.00	<0.005
			435.00	436.00	H750847	1.00	0.008
			436.00	437.00	H750848	1.00	0.005
			437.00	438.00	H750849	1.00	0.005
			438.00	439.00	H750852	1.00	0.014
			439.00	440.00	H750853	1.00	0.005
			440.00	441.00	H750854	1.00	0.009
			441.00	442.00	H750855	1.00	0.012
			442.00	443.00	H750856	1.00	0.054
			443.00	444.00	H750857	1.00	0.014
			444.00	445.00	H750858	1.00	<0.005
			445.00	445.50	H750859	0.50	<0.005
			445.50	446.40	H750860	0.90	0.095

Description	Assay				
	From	To	Sample number	Length	AuBest
	446.40	446.95	H750861	0.55	<0.005
446.95	**End of DDH** **Number of samples: 391** **Number of QAQC samples: 34** **Total sampled length: 381.95**				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_30

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Gilles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	11/02/2014	Description date:	15/02/2014
		To:	16/02/2014		

Collar

Azimuth: 0.0°
Dip: -55.0°
Length: 498.10 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	20,390.000	582,812.436
North	0.0	12,000.000	5,331,418.384
Elevation	0.0	349.000	343.787

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-55.0°	No	
ReflexEZS	40.00	356.3°	-56.5°	No	Mag = 56280
ReflexEZS	102.00	358.3°	-57.3°	No	Mag = 55648
ReflexEZS	162.00	359.6°	-57.0°	No	Mag = 55609
ReflexEZS	222.00	2.1°	-56.5°	No	Mag = 55595
ReflexEZS	282.00	2.0°	-56.3°	No	Mag = 54834
ReflexEZS	345.00	0.6°	-55.9°	No	Mag = 54693
ReflexEZS	402.00	3.1°	-55.6°	No	Mag = 53676
ReflexEZS	468.00	3.6°	-55.6°	No	Mag = 54973; Data from Frank Ploeger
ReflexEZS	498.00	5.5°	-54.9°	No	Mag = 54505; Data from Frank Ploeger

Description

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	31.40	OVB					
		Overburden					
		FIrst Bloc @ 31 m but the hole have heterogenous fragmants of rocks between 31 m and 31.4 m					
	31.28	OVB; Undie;					
		Overburden; UNDEFINED;					
31.28	115.18	V4; Aph; Vol					
		Trachyte; APHANITIC; VOLCANICLASTIC					
31.40	104.70	V4porph	31.40	32.00	I273894	0.60	<0.005
		Trachyte porphyrytic	32.00	33.00	I273895	1.00	0.402
		Pinkish grey coloured, porphyrytic trachyte medium/ fine grained, crystalline textured, patchy brecciated, ghost	33.00	34.25	I273896	1.25	0.144
		or irregulary disseminated phenos. patchy oxidized The unit is non magnetic and moderately pervaded with					
		ankerite and less ankerite, It is mineralized with 0.5- 1% fine disseminated Py. The unit is inersect by greenish					
		mafic trachytes					
31.40	65.00	HE; AnkSer					
		Hematite dominant; Ankerite Sericite					
		Hematisation, pervasif ankerite, patchy sericite, oxidation					
31.40	36.20	Py00.5					
		Pyrite 0.5%					
31.40	34.25	Vt;3%;Qcr;In;;;					
		veinlet (1-5 mm) 3% quartz-carbonate infilled fractures					
		stringers and veinlets					
34.25	37.00	Vn;5%;Qcr;In;;;	34.25	35.45	I273897	1.20	0.265
		vein (5 mm - 10 cm) 5% quartz-carbonate infilled fractures					
35.45	36.20	V4M	35.45	36.20	I273898	0.75	0.033
		Trachyte mafic					
		Green grey mafic trachytes intersect by fault with fault gouge					
35.45	35.65	FLT; Gg					
		Fault 60°; Fault gouge					
36.20	44.00	Py01	36.20	37.00	I273899	0.80	0.115
		Pyrite 1%					
37.00	53.00	Vn;2%;;;60°;;	37.00	38.00	I273902	1.00	0.186
		vein (5 mm - 10 cm) 2% 60°	38.00	39.00	I273903	1.00	0.213
		quartz carbonates veins	39.00	40.00	I273904	1.00	0.231
			40.00	41.00	I273905	1.00	0.324
			41.00	42.00	I273906	1.00	0.197
			42.00	43.00	I273907	1.00	0.133
			43.00	44.00	I273908	1.00	0.323
44.00	46.00	Py00.5	44.00	45.00	I273909	1.00	0.28
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
			45.00	46.00	I273910	1.00	0.278
46.00	52.00	Py01	46.00	47.00	I273911	1.00	0.273
		Pyrite 1%	47.00	48.00	I273912	1.00	0.284
			48.00	49.00	I273913	1.00	0.17
			49.00	50.00	I273914	1.00	0.308
			50.00	51.00	I273915	1.00	0.216
			51.00	52.00	I273916	1.00	0.315
52.00	55.00	Py00.5	52.00	53.00	I273917	1.00	0.23
		Pyrite 0.5%					
		0.5-0.7%					
53.00	54.00	Vn;10%;Qcr;In;;;	53.00	54.00	I273918	1.00	0.23
		vein (5 mm - 10 cm) 10% quartz-carbonate infilled fractures					
		lighly grey quartz veins					
54.00	66.00	Vt;3%;Qcr;In;;;	54.00	55.00	I273919	1.00	0.247
		veinlet (1-5 mm) 3% quartz-carbonate infilled fractures					
		Stringers and veinlets					
55.00	56.00	Py01	55.00	56.00	I273920	1.00	0.139
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
56.00	58.00	Py00.5	56.00	57.00	I273921	1.00	0.488
		Pyrite 0.5%	57.00	58.00	I273922	1.00	0.428
58.00	59.00	Py01	58.00	59.00	I273923	1.00	0.377
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
59.00	61.00	Py00.5	59.00	60.00	I273924	1.00	0.329
		Pyrite 0.5%	60.00	61.00	I273927	1.00	0.346
61.00	75.00	Py01; Py01	61.00	62.00	I273928	1.00	0.484
		Pyrite 1%; Pyrite 1%	62.00	63.00	I273929	1.00	0.487
			63.00	64.00	I273930	1.00	0.313
			64.00	65.00	I273931	1.00	0.519
65.00	75.00	SHA	65.00	66.00	I273932	1.00	0.695
		Sericite-hematite-ankerite	66.00	67.00	I273933	1.00	0.454
		increase of sericite,	67.00	68.00	I273934	1.00	0.552
			68.00	69.00	I273935	1.00	0.332
			69.00	70.00	I273936	1.00	0.356
			70.00	71.00	I273937	1.00	0.419

Description			Assay				
			From	To	Sample number	Length	AuBest
			71.00	72.00	I273938	1.00	0.289
			72.00	73.00	I273939	1.00	0.36
			73.00	74.00	I273940	1.00	0.235
			74.00	75.00	I273941	1.00	0.281
75.00	77.00	SE					
		Sericite dominant					
		Sericite, pervasive hematite- anherite, oxidized zone					
75.00	87.00	Py02	75.00	76.10	I273942	1.10	0.327
		Pyrite 2%	76.10	77.00	I273943	0.90	0.284
		wispy webbed dissemination					
77.00	87.00	SHA	77.00	78.00	I273944	1.00	2.84
		Sericite-hematite-ankerite					
78.00	97.00	V4porph	78.00	79.00	I273945	1.00	0.86
		Trachyte porphyrytic	79.00	80.00	I273946	1.00	1.46
		Trachyte porphyrytic, pinkish green (sericite) with presence of phenocrysts felspaths 5% disseminated,	80.00	81.00	I273947	1.00	1.98
		patchy brecciated, alteration constist of strong sericite, weak to moderate	81.00	82.00	I273948	1.00	0.492
		ankerite-hematiteWispy-webbed diss pyrite up to 2%	82.00	83.00	I273949	1.00	0.698
			83.00	84.00	I273952	1.00	1.54
			84.00	85.00	I273953	1.00	1.04
			85.00	86.00	I273954	1.00	0.835
			86.00	87.00	I273955	1.00	1.27
87.00	94.10	SE	87.00	88.00	I273956	1.00	0.738
		Sericite dominant					
		Sericite, weak hematite- ankerite					
87.00	88.00	Py03					
		Pyrite 3%					
		AutoInsert by "trg_updMineral" Updated					
88.00	94.10	Py01	88.00	89.00	I273957	1.00	0.588
		Pyrite 1%	89.00	90.00	I273958	1.00	0.381
		0.5-1%	90.00	91.00	I273959	1.00	0.984
			91.00	92.00	I273960	1.00	0.161
			92.00	93.00	I273961	1.00	0.124
			93.00	94.10	I273962	1.10	0.38
94.10	104.70	SHA	94.10	95.00	I273963	0.90	2.43
		Sericite-hematite-ankerite	95.00	96.00	I273964	1.00	0.57
			96.00	97.00	I273965	1.00	1.43

Description				Assay				
				From	To	Sample number	Length	AuBest
				97.00	98.00	I273966	1.00	3.06
94.10	98.00	Py03						
		Pyrite 3%						
		wispy webbed dissemination and fine grained py						
98.00	99.00	Py02; Py		98.00	99.00	I273967	1.00	0.135
		Pyrite 2%; Pyrite						
		AutoInsert by "trg_updMineral" Updated						
99.00	101.00	Py01		99.00	100.00	I273968	1.00	0.173
		Pyrite 1%		100.00	101.00	I273969	1.00	0.14
101.00	102.00	Py00.5		101.00	101.50	I273970	0.50	0.101
		Pyrite 0.5%		101.50	102.00	I273971	0.50	0.099
102.00	108.00	Py01		102.00	103.00	I273972	1.00	0.22
		Pyrite 1%		103.00	104.00	I273973	1.00	0.072
				104.00	104.70	I273974	0.70	0.565
104.70	129.00	V4; Mass; Bx		104.70	105.40	I273977	0.70	0.406
		Trachyte; Massive; Brecciated		105.40	106.00	I273978	0.60	1.37
		Red massive trachyte intersect by red spot trachyte brecciated, microfractured, unit is non magnetic and		106.00	107.00	I273979	1.00	1.51
		strong pervasivif ankerite and patchy sericite . It is mineralized with 0.5- 1% fine disseminated Py or as		107.00	108.00	I273980	1.00	0.113
		stringers and veinlets						
104.70	128.00	HE; AK						
		Hematite dominant; Ankerite dominant						
		Hematite and ankerite dominant, weak patchy sericite						
108.00	115.00	V4S; Bx		108.00	109.00	I273981	1.00	0.171
		trachyte spotted; Brecciated		109.00	110.00	I273982	1.00	0.159
		trachyte spotted; Brecciated with may micro fractures						
108.00	110.00	Py00.5						
		Pyrite 0.5%						
110.00	114.00	Py01		110.00	111.00	I273983	1.00	0.718
		Pyrite 1%		111.00	112.00	I273984	1.00	0.194
				112.00	113.00	I273985	1.00	0.492
				113.00	114.00	I273986	1.00	1.37
114.00	119.00	Py00.5		114.00	115.00	I273987	1.00	0.179
		Pyrite 0.5%		115.00	116.00	I273988	1.00	1.33
115.18	284.00	V4; Lithic; Vol		116.00	117.00	I273989	1.00	0.333
		Trachyte; LITHIC; VOLCANICLASTIC		117.00	118.00	I273990	1.00	0.651
				118.00	119.00	I273991	1.00	0.564

Description			Assay				
			From	To	Sample number	Length	AuBest
119.00	120.00	Py01 **Pyrite 1%** AutoInsert by "trg_updMineral" Updated	119.00	120.00	I273992	1.00	0.086
120.00	171.00	Py00.5 **Pyrite 0.5%** 0.5-0.7%	120.00	121.00	I273993	1.00	0.032
			121.00	122.00	I273994	1.00	0.051
			122.00	123.00	I273995	1.00	0.024
			123.00	124.00	I273996	1.00	0.021
			124.00	125.00	I273997	1.00	0.236
			125.00	125.85	I273998	0.85	0.144
125.85	127.00	V4S; Bx **trachyte spotted; Brecciated**	125.85	127.00	I273999	1.15	0.031
			127.00	128.00	I274802	1.00	0.596
128.00	129.00	SHA **Sericite-hematite-ankerite**	128.00	128.50	I274803	0.50	0.888
			128.50	129.00	I274804	0.50	0.492
129.00	163.30	V4a; Mass; V4Tla **Trachyte Altered; Massive; Trachytic lapilli tuff alterd** Greenish massive trachyte altered fine to medim grained strong sericite alteration patchy fine to medium grained red massive trachyte, the unit has carbonates whitish spots (differential alteration). The visible pyrite fine disseminate 0.5-1%	129.00	130.00	I274805	1.00	0.05
			130.00	131.00	I274806	1.00	0.274
			131.00	132.00	I274807	1.00	0.064
			132.00	133.00	I274808	1.00	0.097
			133.00	134.00	I274809	1.00	<0.005
			134.00	135.00	I274810	1.00	0.008
			135.00	136.00	I274811	1.00	<0.005
			136.00	137.00	I274812	1.00	0.03
			137.00	138.00	I274813	1.00	0.023
129.00	138.00	SE **Sericite dominant**					
138.00	146.00	SHA **Sericite-hematite-ankerite**	138.00	139.00	I274814	1.00	0.045
			139.00	139.60	I274815	0.60	0.022
			139.60	140.20	I274816	0.60	0.061
			140.20	141.00	I274817	0.80	0.242
			141.00	142.00	I274818	1.00	0.035
			142.00	143.00	I274819	1.00	0.066
			143.00	144.00	I274820	1.00	0.126
			144.00	145.00	I274821	1.00	0.038
			145.00	146.00	I274822	1.00	0.184
146.00	163.30	SE **Sericite dominant**	146.00	147.00	I274823	1.00	0.054

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong sericite alteration, moderate ankerite	147.00	148.00	I274824	1.00	0.04
			148.00	149.00	I274827	1.00	0.054
			149.00	150.00	I274828	1.00	0.06
			150.00	151.00	I274829	1.00	0.049
			151.00	152.00	I274830	1.00	0.044
			152.00	153.00	I274831	1.00	0.051
			153.00	154.00	I274832	1.00	0.156
			154.00	155.00	I274833	1.00	0.07
			155.00	156.00	I274834	1.00	0.024
			156.00	157.00	I274835	1.00	0.065
			157.00	158.00	I274836	1.00	0.135
			158.00	159.00	I274837	1.00	0.046
			159.00	160.00	I274838	1.00	0.019
			160.00	161.00	I274839	1.00	0.084
			161.00	162.00	I274840	1.00	0.142
			162.00	162.70	I274841	0.70	0.317
			162.70	163.30	I274842	0.60	0.061
163.30	236.00	V4a; V4Sil; Bx	163.30	164.00	I274843	0.70	0.074
		Trachyte Altered 30°; trachyte silicified; Brecciated	164.00	165.00	I274844	1.00	0.057
		Trachyte silicified, disseminated volcanic/ hydraulic breccias with euhedral or rounded fragments, thoses clast	165.00	166.00	I274845	1.00	0.458
		has differents comosittion, lighly green patchy red, the unit is strongly silicified, moderate ankerate-sericite	166.00	167.00	I274846	1.00	0.397
		alteration, albitic? many spots probably from differential alteration. Mineralisation consist of spots of	167.00	168.00	I274847	1.00	0.088
		disseminated pyrite traces to 1%, the silicifed-sericitte-albitic zone grading to hematit-sericite and pervasive	168.00	169.00	I274848	1.00	0.085
		ankerite	169.00	170.00	I274849	1.00	0.166
			170.00	171.00	I274852	1.00	0.554
163.30	183.00	SS; ALB					
		Sericite-silica; Albitic					
		sericite- silica dominant, pervasive ankerite alteration					
171.00	172.00	Py01	171.00	172.00	I274853	1.00	0.524
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
172.00	177.00	Py00.5	172.00	173.00	I274854	1.00	0.2
		Pyrite 0.5%	173.00	174.00	I274855	1.00	0.228
			174.00	175.00	I274856	1.00	0.252
			175.00	176.00	I274857	1.00	0.069

Description			Assay				
			From	To	Sample number	Length	AuBest
			176.00	177.00	I274858	1.00	0.377
177.00	183.00	Py01	177.00	178.00	I274859	1.00	0.448
		Pyrite 1%	178.00	179.00	I274860	1.00	0.321
			179.00	180.00	I274861	1.00	0.373
			180.00	181.00	I274862	1.00	0.293
			181.00	182.00	I274863	1.00	0.807
			182.00	183.00	I274864	1.00	0.339
183.00	195.00	ALB; SA					
		Albitic; Sericite-ankerite dominant					
183.00	229.00	Py00.5	183.00	184.00	I274865	1.00	0.077
		Pyrite 0.5%	184.00	185.00	I274866	1.00	0.11
			185.00	186.00	I274867	1.00	0.306
			186.00	187.00	I274868	1.00	0.243
			187.00	188.00	I274869	1.00	0.122
			188.00	189.00	I274870	1.00	0.056
			189.00	190.00	I274871	1.00	0.088
			190.00	191.00	I274872	1.00	0.24
			191.00	192.00	I274873	1.00	0.142
			192.00	193.00	I274874	1.00	0.093
			193.00	194.00	I274877	1.00	0.097
			194.00	195.00	I274878	1.00	0.051
195.00	221.00	SHA; ALB; ALB	195.00	196.00	I274879	1.00	0.051
		Sericite-hematite-ankerite; Albitic; Albitic	196.00	197.00	I274880	1.00	0.042
		Patchy hematite, pervasive ankerite, seicite, patchy moderate hematite grading to strong hematite at the	197.00	198.00	I274881	1.00	0.102
		en of the unit @ 219-220.5 m	198.00	199.00	I274882	1.00	0.139
			199.00	200.00	I274883	1.00	0.08
			200.00	201.00	I274884	1.00	0.127
			201.00	202.00	I274885	1.00	0.076
			202.00	203.00	I274886	1.00	0.066
			203.00	204.00	I274887	1.00	0.047
			204.00	205.00	I274888	1.00	0.054
			205.00	206.00	I274889	1.00	0.055
			206.00	207.00	I274890	1.00	0.193
			207.00	208.00	I274891	1.00	0.086

Description			Assay				
			From	To	Sample number	Length	AuBest
			208.00	209.00	I274892	1.00	0.11
			209.00	210.00	I274893	1.00	0.071
			210.00	211.00	I274894	1.00	0.052
			211.00	212.00	I274895	1.00	0.105
			212.00	213.00	I274896	1.00	0.095
			213.00	214.00	I274897	1.00	0.091
			214.00	215.00	I274898	1.00	0.103
			215.00	216.00	I274899	1.00	0.064
			216.00	217.00	I274902	1.00	0.078
			217.00	218.00	I274903	1.00	0.069
			218.00	219.00	I274904	1.00	0.052
			219.00	220.00	I274905	1.00	0.044
			220.00	220.50	I274906	0.50	0.035
			220.50	221.00	I274907	0.50	0.046
221.00	223.80	HE	221.00	222.00	I274908	1.00	0.072
		Hematite dominant	222.00	223.00	I274909	1.00	0.052
		hematite, moderate to weak anterite sericite	223.00	223.80	I274910	0.80	0.054
223.80	226.00	ALB; AnkSer	223.80	224.80	I274911	1.00	1.22
		Albitic; Ankerite Sericite	224.80	226.00	I274912	1.20	0.558
226.00	230.00	HE; AnkSer	226.00	227.00	I274913	1.00	0.077
		Hematite dominant; Ankerite Sericite	227.00	228.00	I274914	1.00	0.084
			228.00	229.00	I274915	1.00	0.257
229.00	230.00	Py01	229.00	230.00	I274916	1.00	0.157
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
230.00	235.00	ALB; AnkSer					
		Albitic; Ankerite Sericite					
230.00	245.00	Py00.5	230.00	231.00	I274917	1.00	4.43
		Pyrite 0.5%	231.00	232.00	I274918	1.00	0.13
		0.5-0.7%	232.00	233.00	I274919	1.00	0.195
			233.00	234.00	I274920	1.00	0.244
			234.00	235.00	I274921	1.00	0.484
235.00	237.00	SH	235.00	236.00	I274922	1.00	0.135
		Sericite-hematite dominant					

Description			Assay				
			From	To	Sample number	Length	AuBest
236.00	283.50	V4; Mass; Bx **Trachyte; Massive; Brecciated** Red trachyte fine grained, hydraulic breccias are present in the entire unit as red euhedral spots, the unit is locally fracture and fracture are fill or carbonates, the alteration consist of strong hematisation, pervasif ankerite, spotty sericite or albitic zone, the magnetism is weak to moderate, the mineralisation consist of fine disseminate pyrite, and locally stringers.	236.00	237.00	I274923	1.00	0.145
237.00	239.00	HE **Hematite dominant**	237.00	238.00	I274924	1.00	0.556
			238.00	239.00	I274927	1.00	0.111
239.00	242.50	SHA; ALB **Sericite-hematite-ankerite; Albitic**	239.00	240.00	I274928	1.00	0.038
			240.00	241.00	I274929	1.00	2.92
			241.00	241.80	I274930	0.80	0.132
			241.80	242.50	I274931	0.70	0.127
242.50	259.80	HE **Hematite dominant** Pervasif ankerite, spotty sericite	242.50	243.00	I274932	0.50	0.119
			243.00	244.00	I274933	1.00	0.09
			244.00	245.00	I274934	1.00	0.397
245.00	246.00	Py01 **Pyrite 1%** AutoInsert by "trg_updMineral" Updated	245.00	246.00	I274935	1.00	0.196
246.00	252.00	Py00.5 **Pyrite 0.5%**	246.00	247.00	I274936	1.00	0.171
			247.00	248.00	I274937	1.00	0.226
			248.00	249.00	I274938	1.00	0.095
			249.00	249.80	I274939	0.80	0.077
			249.80	250.30	I274940	0.50	0.073
			250.30	251.00	I274941	0.70	0.211
			251.00	252.00	I274942	1.00	0.156
			252.00	253.00	I274943	1.00	0.081
			253.00	254.00	I274944	1.00	0.136
			254.00	255.00	I274945	1.00	0.992
			255.00	256.00	I274946	1.00	0.089
			256.00	257.00	I274947	1.00	0.041
			257.00	258.00	I274948	1.00	0.063
			258.00	259.00	I274949	1.00	0.068
			259.00	259.80	I274952	0.80	0.096
259.80	277.00	SHA **Sericite-hematite-ankerite**	259.80	261.00	I274953	1.20	0.186

Description			Assay				
			From	To	Sample number	Length	AuBest
		Sericite-hematite-ankerite, patchy albite	261.00	262.00	I274954	1.00	0.119
			262.00	263.00	I274955	1.00	0.136
			263.00	264.00	I274956	1.00	0.061
			264.00	265.00	I274957	1.00	0.038
			265.00	266.00	I274958	1.00	0.031
			266.00	267.00	I274959	1.00	0.047
			267.00	268.00	I274960	1.00	0.077
259.80	268.00	Py00.5					
		Pyrite 0.5%					
268.00	277.00	V4a; Bx					
		Trachyte Altered; Brecciated					
		greenish red trachyte fine grained, many hydraulic breccias are present in the entire unit as red euhedral					
		spots, the unit less fracture, the sericite ablite alteration encrease. moderately magnetic					
268.00	285.00	Py00.2	268.00	269.00	I274961	1.00	0.063
		Pyrite 0.2%	269.00	270.00	I274962	1.00	0.024
		trace of pyrite	270.00	271.00	I274963	1.00	0.027
			271.00	272.00	I274964	1.00	0.039
			272.00	273.00	I274965	1.00	0.013
			273.00	274.00	I274966	1.00	0.029
			274.00	275.00	I274967	1.00	0.063
			275.00	276.00	I274968	1.00	0.036
			276.00	277.00	I274969	1.00	0.031
277.00	280.50	HE; AnkSer	277.00	278.00	I274970	1.00	0.024
		Hematite dominant; Ankerite Sericite	278.00	279.00	I274971	1.00	0.035
			279.00	280.00	I274972	1.00	0.032
			280.00	280.57	I274973	0.57	0.037
280.50	281.40	V4					
		Trachyte					
		dark massif trachyte with less alteration., fine nto mediunm grained, traces of pyrite					
280.50	281.40	SH	280.57	281.40	I274974	0.83	0.749
		Sericite-hematite dominant					
281.40	283.80	SHA	281.40	282.00	I274977	0.60	0.037
		Sericite-hematite-ankerite	282.00	283.00	I274978	1.00	0.015
			283.00	283.80	I274979	0.80	0.039
283.50	317.10	V4Ma; V4MTa					
		Trachyte mafic altered; Trachyte mafic tuff altered					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Massive greenish (olive color) trachyte altered, fine to medium graine spotty hydraulic breccias, clast are euhedral or round, weak foliation a the end of the unit, the entire unit is stronly altered to sericite and strongly magnetic, mineralisation is fine grained pyrite 0.5%.					
283.80	317.10	SA **Sericite-ankerite dominant** sericite moderate ankerite, localized patchy hematite	283.80	285.00	I274980	1.20	0.007
284.00	317.10	V4; Cry; **Trachyte; CRYSTALRICH;**					
285.00	302.00	Py0.5% **Pyrite 0.5%** fine grained diss pyrite	285.00	286.00	I274981	1.00	0.015
			286.00	287.00	I274982	1.00	0.014
			287.00	288.00	I274983	1.00	0.072
			288.00	289.00	I274984	1.00	0.008
			289.00	290.00	I274985	1.00	0.045
			290.00	291.00	I274986	1.00	0.01
			291.00	292.00	I274987	1.00	0.016
			292.00	293.00	I274988	1.00	<0.005
			293.00	294.00	I274989	1.00	0.007
			294.00	295.00	I274990	1.00	<0.005
			295.00	296.00	I274991	1.00	0.011
			296.00	297.00	I274992	1.00	<0.005
			297.00	298.00	I274993	1.00	0.005
			298.00	299.00	I274994	1.00	<0.005
			299.00	300.00	I274995	1.00	<0.005
			300.00	301.00	I274996	1.00	0.009
			301.00	302.00	I274997	1.00	<0.005
302.00	321.00	Py00.2 **Pyrite 0.2%** traces	302.00	303.00	I274998	1.00	0.006
			303.00	304.00	I274999	1.00	<0.005
			304.00	305.00	I275152	1.00	0.006
			305.00	306.00	I275153	1.00	<0.005
			306.00	307.00	I275154	1.00	0.005
			307.00	308.00	I275155	1.00	<0.005
			308.00	309.00	I275156	1.00	0.022
			309.00	310.00	I275157	1.00	0.005
			310.00	311.00	I275158	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			311.00	312.00	I275159	1.00	0.006
			312.00	313.00	I275160	1.00	<0.005
			313.00	314.00	I275161	1.00	<0.005
			314.00	315.00	I275162	1.00	<0.005
			315.00	316.00	I275163	1.00	<0.005
			316.00	317.10	I275164	1.10	<0.005
317.10	372.00	V4; Lithic; Vol					
		Trachyte; LITHIC; VOLCANICLASTIC					
	384.80	V4; V4a; V4S	317.10	317.75	I275165	0.65	0.022
		Trachyte 70°; Trachyte Altered; trachyte spotted					
		Reddish/ reddish patch grey/ spotty yellows trachyte, fine grained, hydraulic breccias are present in the entire unit as red euhedral spots, the unit is locally fracture and fracture are fill or carbonates, the alteration consist of strong moderate to strong hematisation, pervasif ankerite, spotty sericite or albitic zone, the magnetism is weak to moderate, the mineralisation consist of fine disseminate pyrite, and locally stringers.					
317.10	317.40	HE; AK					
		Hematite dominant; Ankerite dominant					
		strong hematite and pervasif ankerite					
317.40	318.70	SHA; ALB	317.75	318.70	I275166	0.95	0.009
		Sericite-hematite-ankerite; Albitic					
318.70	319.60	AnkSer	318.70	319.60	I275167	0.90	0.007
		Ankerite Sericite					
319.60	323.00	SHA	319.60	320.42	I275168	0.82	0.022
		Sericite-hematite-ankerite	320.42	321.00	I275169	0.58	0.013
321.00	385.40	Py00.5	321.00	322.00	I275170	1.00	0.042
		Pyrite 0.5%	322.00	323.00	I275171	1.00	0.008
		traces to patchy 0.5% pyrite					
323.00	327.30	HE; AK	323.00	324.00	I275172	1.00	<0.005
		Hematite dominant; Ankerite dominant	324.00	325.00	I275173	1.00	0.006
		Hematite ankerite	325.00	326.00	I275174	1.00	0.016
			326.00	326.50	I275177	0.50	0.015
			326.50	327.30	I275178	0.80	0.028
327.30	328.25	SHA	327.30	328.25	I275179	0.95	0.038
		Sericite-hematite-ankerite					
328.25	384.80	HE; AK	328.25	329.00	I275180	0.75	0.071
		Hematite dominant; Ankerite dominant	329.00	330.00	I275181	1.00	0.082
		patchy sericite	330.00	331.00	I275182	1.00	0.051

Description			Assay				
			From	To	Sample number	Length	AuBest
			331.00	332.00	I275183	1.00	0.012
			332.00	333.00	I275184	1.00	0.01
			333.00	334.00	I275185	1.00	0.011
334.00	337.00	Jt	334.00	335.00	I275186	1.00	0.015
		Joint	335.00	336.00	I275187	1.00	0.02
		highly fractured zone	336.00	337.00	I275188	1.00	0.006
			337.00	338.00	I275189	1.00	<0.005
			338.00	339.00	I275190	1.00	0.023
			339.00	340.00	I275191	1.00	0.021
			340.00	341.00	I275192	1.00	0.036
			341.00	342.00	I275193	1.00	0.017
			342.00	343.00	I275194	1.00	0.015
			343.00	344.00	I275195	1.00	0.054
			344.00	345.00	I275196	1.00	0.008
			345.00	346.00	I275197	1.00	<0.005
			346.00	347.00	I275198	1.00	0.014
			347.00	348.00	I275199	1.00	0.022
			348.00	349.00	I275202	1.00	0.021
			349.00	350.00	I275203	1.00	0.041
			350.00	351.00	I275204	1.00	0.03
			351.00	352.00	I275205	1.00	0.548
			352.00	353.00	I275206	1.00	0.045
			353.00	354.00	I275207	1.00	0.031
			354.00	355.00	I275208	1.00	0.016
			355.00	356.00	I275209	1.00	0.015
			356.00	357.00	I275210	1.00	<0.005
			357.00	358.00	I275211	1.00	0.025
			358.00	359.00	I275212	1.00	0.056
			359.00	360.00	I275213	1.00	0.026
			360.00	361.00	I275214	1.00	0.066
			361.00	362.00	I275215	1.00	0.239
			362.00	363.00	I275216	1.00	0.045
			363.00	364.00	I275217	1.00	0.091
			364.00	365.00	I275218	1.00	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			365.00	366.00	I275219	1.00	<0.005
			366.00	367.00	I275220	1.00	0.008
			367.00	368.00	I275221	1.00	0.018
			368.00	369.00	I275222	1.00	0.029
			369.00	370.00	I275223	1.00	0.007
			370.00	371.00	I275224	1.00	<0.005
			371.00	372.00	I275227	1.00	0.005
372.00	384.30	V4; FlBand;	372.00	373.00	I275228	1.00	0.01
		Trachyte; FLOWBANDED;	373.00	374.00	I275229	1.00	<0.005
			374.00	375.00	I275230	1.00	0.006
			375.00	376.00	I275231	1.00	0.008
			376.00	377.00	I275232	1.00	0.011
			377.00	378.00	I275233	1.00	0.007
			378.00	379.00	I275234	1.00	0.011
			379.00	380.00	I275235	1.00	0.01
			380.00	381.00	I275236	1.00	0.056
			381.00	382.00	I275237	1.00	0.005
			382.00	383.00	I275238	1.00	0.006
			383.00	384.00	I275239	1.00	<0.005
			384.00	384.80	I275240	0.80	0.005
384.30	419.65	V4; Lithic;					
		Trachyte; LITHIC;					
384.80	401.80	S1V4; V4Tl; Bx	384.80	385.40	I275241	0.60	0.006
		Trachytic conglomerate; Trachytic lapilli tuff; Brecciated					
		Lighly pink/ reddish trachytes conglomerate, brecciated mixture of fragments, medium grained, hydraulic breccias are present in the entire unit as red euhedral spots, whitst spot from differential alteration, the unit is locally fracture and fracture are fill or carbonates, the alteration consist of moderate to strong hematisation, pervasif ankerite, spotty sericite or albitic zone, the magnetism is weak to moderate, the mineralisation consist of fine disseminate pyrite, and locally stringers 0.5-1%					
384.80	387.00	ALB; SHA; SHA					
		Albitic; Sericite-hematite-ankerite; Sericite-hematite-ankerite					
385.40	387.00	Py01	385.40	386.00	I275242	0.60	0.007
		Pyrite 1%	386.00	387.00	I275243	1.00	0.011
		tracces of chalcopyrite					
387.00	401.80	HE; AnkSer	387.00	388.00	I275244	1.00	0.013
		Hematite dominant; Ankerite Sericite	388.00	389.00	I275245	1.00	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			389.00	390.00	I275246	1.00	0.007
			390.00	391.00	I275247	1.00	0.006
			391.00	391.50	I275248	0.50	0.029
			391.50	392.15	I275249	0.65	0.031
			392.15	393.00	I275252	0.85	0.018
387.00	393.00	Py00.5					
		Pyrite 0.5%					
393.00	394.00	Py01	393.00	394.00	I275253	1.00	0.039
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
394.00	439.60	Py00.5	394.00	395.00	I275254	1.00	0.023
		Pyrite 0.5%	395.00	396.00	I275255	1.00	0.011
		trace-0.5%	396.00	397.00	I275256	1.00	0.017
			397.00	398.00	I275257	1.00	0.01
			398.00	399.00	I275258	1.00	0.015
			399.00	400.00	I275259	1.00	0.011
			400.00	401.00	I275260	1.00	0.046
			401.00	401.80	I275261	0.80	0.005
401.80	403.30	V4Tl; S1V4; Bx					
		Trachytic lapilli tuff; Trachytic conglomerate; Brecciated					
		Lighly pink/ reddish spots, brecciated mixture of fragments, medium to corse grained, brecciated, whitist spot from differential alteration, the unit is locally fracture and fracture are fill or carbonates, the alteration consist of moderate hematisation, pervasif ankerite, spotty albitic zone, the magnetism is weak to moderate, the mineralisation fine dissenimated py trace to 0.5%					
401.80	403.30	AK; ALB	401.80	402.70	I275262	0.90	<0.005
		Ankerite dominant; Albitic	402.70	403.30	I275263	0.60	<0.005
403.30	419.65	V4; S1V4	403.30	404.00	I275264	0.70	0.073
		Trachyte; Trachytic conglomerate	404.00	405.00	I275265	1.00	0.047
		Reddish/ reddish patch grey/ spotty yellows trachyte, fine grained, hydraulic breccias are present in the entire unit as red euhedral spots, the unit is locally fracture and fill or carbonates, the alteration consist of moderate to strong hematisation, pervasif ankerite, spotty sericite or albitic zone, the magnetism is weak, the mineralisation consist of fine disseminate pyrite, and locally stringers 0.5%	405.00	405.70	I275266	0.70	0.067
			405.70	406.30	I275267	0.60	0.029
			406.30	407.00	I275268	0.70	0.043
			407.00	408.00	I275269	1.00	0.048
			408.00	408.90	I275270	0.90	0.042
			408.90	409.90	I275271	1.00	0.068
			409.90	411.00	I275272	1.10	0.033
			411.00	411.50	I275273	0.50	0.079

Description			Assay				
			From	To	Sample number	Length	AuBest
			411.50	412.40	I275274	0.90	0.01
			412.40	413.00	I275277	0.60	0.035
			413.00	414.00	I275278	1.00	0.029
			414.00	415.00	I275279	1.00	0.012
			415.00	416.10	I275280	1.10	<0.005
			416.10	417.00	I275281	0.90	0.011
			417.00	417.80	I275282	0.80	0.02
			417.80	418.40	I275283	0.60	0.045
403.30	418.40	SHA					
		Sericite-hematite-ankerite					
403.30	415.00	Vn;5%;Cr;In;50°;;					
		vein (5 mm - 10 cm) 5% carbonate infilled fractures 50°					
418.40	419.65	HE; AK	418.40	419.00	I275284	0.60	0.005
		Hematite dominant; Ankerite dominant	419.00	419.65	I275285	0.65	0.019
419.65	425.00	V4M; Mass					
		Trachyte mafic 20°; Massive					
		Massive fine grained mafic dyke dark grey/ grennish grey, the entire unit is weakly magnetic, chlorite altered, pervasif moderate ankerite, patchy reddish hematized trachyte, mineralisation consist of trace of pyrite					
	447.48	V4; FlBand; Vol	419.65	420.10	I275286	0.45	0.008
		Trachyte; FLOWBANDED; VOLCANICLASTIC	420.10	421.00	I275287	0.90	0.01
			421.00	421.90	I275288	0.90	<0.005
419.65	425.00	AK; Cl					
		Ankerite dominant; Chlorite					
421.40	425.00	Jt	421.90	423.00	I275289	1.10	<0.005
		Joint	423.00	424.00	I275290	1.00	<0.005
		Factuires	424.00	425.00	I275291	1.00	<0.005
425.00	433.10	V4; V4S					
		Trachyte; trachyte spotted					
		Reddish/ reddish patch grey/ spotty yellows trachyte, fine grained, hydraulic breccias are present in the entire unit as red euhedral spots, the unit is fractured and thoses fractures are fill or carbonates, the alteration consist of strong moderate to strong hematisation, pervasif ankerite, spotty sericite or albitic zone, the magnetism is weak to moderate, the mineralisation consist of fine disseminate pyrite, and locally stringers.					
425.00	433.60	HE; AnkSer	425.00	426.00	I275292	1.00	0.01
		Hematite dominant; Ankerite Sericite	426.00	427.00	I275293	1.00	0.027
			427.00	428.00	I275294	1.00	0.124

Description			Assay				
			From	To	Sample number	Length	AuBest
			428.00	429.00	I275295	1.00	0.106
			429.00	430.00	I275296	1.00	0.05
			430.00	431.00	I275297	1.00	0.04
			431.00	432.00	I275298	1.00	0.026
			432.00	433.10	I275299	1.10	0.007
433.10	438.00	V4M; Mass	433.10	434.00	I275302	0.90	<0.005
		Trachyte mafic 20°; Massive					
		Massive fine grained mafic dyke dark grey/ grennish grey, the entire unit is weakly magnetic, intersects by a fault zone with fault gouge, chlorite altered, pervasif moderate ankerite, patchy reddish hematized trachyte, mineralisation consist of pyrite in traces, the end of unit gradding to foliated mafic trachyte altered					
433.60	438.10	AK; Cl	434.00	435.00	I275303	1.00	<0.005
		Ankerite dominant; Chlorite					
		Pervasif ankerite, moderate hematite					
434.50	435.10	FAZ; Gg					
		Fault Zone; Fault gouge					
435.00	436.00	Vn;0%;Cr;In;30°;;	435.00	436.00	I275304	1.00	0.024
		vein (5 mm - 10 cm) 0% carbonate infilled fractures 30°	436.00	437.00	I275305	1.00	0.014
		infilled carbonate veins	437.00	438.10	I275306	1.10	0.012
438.00	448.00	V4Ta; Lam; Fol					
		Trachytic tuff altered 60°; Laminated; Foliated					
		Fine to medium grained trachytic tuff altered, intersect by mafic lapilli tuff, pinkish grey / greenish pinkish grey, the unit has pleated and flooding quartz carbonates veins and veinlets, locallized micro fractures, altered in sericite, patchy hematite and pervasif ankerite. patch silicification					
438.10	443.45	SHA					
		Sericite-hematite-ankerite					
		Moderate hematite, pervasif ankerite and sericite					
438.10	453.00	Fln	438.10	439.00	I275307	0.90	0.038
		Foliation 60°	439.00	439.60	I275308	0.60	0.061
		weak to moderate foliation					
438.10	440.30	Vm;20%;;In;;Py00.2;					
		major vein (10 cm or greater) 20% infilled fractures Pyrite 0.2%					
		infilled ansd flooding quartz carbonates veins, pleated vein					
439.60	444.03	Py00.7	439.60	440.30	I275309	0.70	0.027
		Pyrite 0.7%	440.30	441.00	I275310	0.70	0.019
			441.00	442.00	I275311	1.00	0.015
			442.00	442.80	I275312	0.80	0.066
			442.80	443.45	I275313	0.65	0.309

Description			Assay				
			From	To	Sample number	Length	AuBest
443.45	444.40	AK; CI	443.45	444.40	I275314	0.95	0.006
		Ankerite dominant; Chlorite					
444.03	448.00	Py00.5					
		Pyrite 0.5%					
444.40	445.30	SHA	444.40	445.30	I275315	0.90	<0.005
		Sericite-hematite-ankerite					
445.30	447.00	AnkSer	445.30	446.00	I275316	0.70	<0.005
		Ankerite Sericite	446.00	447.00	I275317	1.00	0.006
447.00	448.00	SHA	447.00	448.00	I275318	1.00	0.014
		Sericite-hematite-ankerite					
447.48	498.00	V4; PyroTuff;					
		Trachyte; PYROCLASTIC (TUFFACEOUS);					
448.00	475.00	V4MTL; Fol					
		Trachyte mafic tuff lapilli 50°; Foliated					
		Greenish lapilli tuf foliated fine to meduim grained, the unite is moderately magnetic, spotty quartz carbonate					
		veins and veinlets, chlorite altered, pervasif ankerite, traces of pyrite					
448.00	453.00	AK; CI					
		Ankerite dominant; Chlorite					
448.00	498.01	Py00.2	448.00	449.00	I275319	1.00	<0.005
		Pyrite 0.2%	449.00	450.00	I275320	1.00	0.035
		traces	450.00	451.00	I275321	1.00	<0.005
			451.00	452.00	I275322	1.00	<0.005
			452.00	453.00	I275323	1.00	<0.005
453.00	466.00	AK; CI	453.00	454.00	I275324	1.00	<0.005
		Ankerite dominant; Chlorite	454.00	455.00	I275327	1.00	<0.005
			455.00	456.00	I275328	1.00	<0.005
456.00	458.00	Vn;5%;Qcr;In;50°;;	456.00	457.00	I275329	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-carbonate infilled fractures 50°	457.00	458.00	I275330	1.00	0.007
458.00	462.00	Vt;2%;Cr;In;50°;;	458.00	459.00	I275331	1.00	<0.005
		veinlet (1-5 mm) 2% carbonate infilled fractures 50°	459.00	460.00	I275332	1.00	<0.005
			460.00	461.00	I275333	1.00	0.005
			461.00	462.00	I275334	1.00	<0.005
462.00	467.00	Vn;10%;Qcr;In;40°;;	462.00	463.00	I275335	1.00	0.009
		vein (5 mm - 10 cm) 10% quartz-carbonate infilled fractures 40°	463.00	464.00	I275336	1.00	<0.005
			464.00	465.00	I275337	1.00	<0.005
			465.00	466.00	I275338	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
466.00	467.00	AK; HE **Ankerite dominant; Hematite dominant** Pervasif ankerite, patchy hematite, chlorite	466.00	467.00	I275339	1.00	0.026
467.00	473.40	AK; CI **Ankerite dominant; Chlorite**	467.00	468.00	I275340	1.00	<0.005
			468.00	469.00	I275341	1.00	<0.005
			469.00	470.00	I275342	1.00	<0.005
			470.00	471.00	I275343	1.00	<0.005
			471.00	472.00	I275344	1.00	<0.005
			472.00	472.80	I275345	0.80	0.007
			472.80	473.40	I275346	0.60	0.008
473.40	480.10	AK; HE **Ankerite dominant; Hematite dominant** Strong ankerite, moderate hematite.	473.40	474.00	I275347	0.60	0.011
			474.00	475.00	I275348	1.00	0.059
473.40	479.00	Vm;15%;Qcr;In;;; **major vein (10 cm or greater) 15% quartz-carbonate infilled fractures** pleated quartz carbonates veins and veinlets					
475.00	480.10	V4M; Mass **Trachyte mafic 50°; Massive** Green grey massif trachyte, fine grained, patchy hematite, many quartz carbonates veinlets and veins, moderate to strong magnetic, alteration consist of ankerate and hematite, traces to 0.5% pyrite	475.00	476.00	I275349	1.00	0.061
			476.00	477.00	I275402	1.00	0.016
			477.00	478.00	I275403	1.00	0.015
			478.00	479.00	I275404	1.00	0.023
			479.00	480.10	I275405	1.10	0.1
480.10	492.00	V4MT; Fol **Trachyte mafic tuff 60°; Foliated** Greenish mafic tuff fine grained, weakly magnetic, pervasif ankerite, chlorite, traces of pyrite					
480.10	498.01	AK; CI **Ankerite dominant; Chlorite**	480.10	481.00	I275406	0.90	0.018
			481.00	482.00	I275407	1.00	<0.005
			482.00	483.00	I275408	1.00	0.005
			483.00	484.00	I275409	1.00	<0.005
			484.00	485.00	I275410	1.00	<0.005
			485.00	486.00	I275411	1.00	<0.005
			486.00	487.00	I275412	1.00	<0.005
			487.00	488.00	I275413	1.00	<0.005
			488.00	489.00	I275414	1.00	<0.005
			489.00	490.00	I275415	1.00	<0.005
			490.00	491.00	I275416	1.00	<0.005
			491.00	492.00	I275417	1.00	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
492.00	494.00	V4M					
		Trachyte mafic 50°					
		Green grey massive trachyte, fine grained, patchy hematite, many quartz carbonates veinlets and veins, moderate to strong magnetic, alteration consist of ankerate and hematite, traces of pyrite					
492.00	497.00	Vn;5%;Qcr;Fl;;;	492.00	493.00	I275418	1.00	0.011
		vein (5 mm - 10 cm) 5% quartz-carbonate flooding	493.00	494.00	I275419	1.00	0.031
494.00	498.10	V4MT; V4MT; Fol	494.00	495.00	I275420	1.00	0.019
		Trachyte mafic tuff; Trachyte mafic tuff; Foliated	495.00	496.00	I275421	1.00	0.012
		Greenish mafic tuff fine grained, strongly magnetic, pervasif ankerite, chlorite, traces of pyrite	496.00	497.00	I275422	1.00	0.01
			497.00	498.10	I275423	1.10	0.02
498.10	**End of DDH**						
	Number of samples: 488						
	Number of QAQC samples: 42						
	Total sampled length: 466.70						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_31

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	FR Ploeger/A Richardson	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	12/02/2014	Description date:	17/02/2014
		To:	16/02/2014		

Collar

Azimuth: 180.0°
Dip: -55.0°
Length: 498.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	20,750.000	582,924.295
North	0.0	12,390.000	5,331,531.304
Elevation	0.0	0.000	340.887

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-55.0°	No	
ReflexEZS	24.00	177.2°	-56.1°	No	Mag = 56322
ReflexEZS	72.00	173.9°	-55.3°	No	Mag = 55796
ReflexEZS	120.00	172.2°	-53.4°	No	Mag = 55210
ReflexEZS	180.00	170.2°	-53.4°	No	Mag = 54952
ReflexEZS	240.00	165.4°	-51.4°	No	Mag = 54596
ReflexEZS	300.00	165.9°	-50.0°	No	Mag = 54590
ReflexEZS	360.00	164.4°	-49.6°	No	Mag = 54103
ReflexEZS	423.00	165.3°	-49.4°	No	Mag = 54373
ReflexEZS	480.00	169.4°	-48.5°	No	Mag = 55610; Data from Frank Ploeger

Description

Re-logged by Ciara Cooke June 2014

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	12.20	OVB						
		Overburden						
		Casing and overburden.						
12.00	20.60	Ank02; Cl02; Se02		12.00	13.00	I274360	1.00	0.242
		Ankerite 2; Chlorite 2; Sericite 2						
		Moderate to strong selective ankerite alteration. Moderate light green chl with interstitial sericite.						
12.20	42.50	S1		13.00	14.00	I274361	1.00	0.051
		Conglomerate		14.00	15.00	I274362	1.00	0.071
		Med green to orangy-red volcano-sedimentary fragmental in which 80pct of the obvious clasts are alkalic in		15.00	16.00	I274363	1.00	0.081
		composition with variable pink to creamy white colouration. Minor med green and grey siliceous clasts also		16.00	17.00	I274364	1.00	0.421
		present. Polymictic conglomerate. F-mg light olive to limey (grungy) green matrix with granular textured and		17.00	18.00	I274365	1.00	0.017
		scattered fg crystals - eroded and foliated with sericitic planes. Localized gradations into lenses that lack the		18.00	19.00	I274366	1.00	0.012
		fragments but may continue to remain foliated or that become massive/ featureless.The matrix, besides		19.00	20.00	I274367	1.00	0.028
		containing the sericiitic foliation planes, is pervaded with ankerite and is locally hematized., Generally, veining is		20.00	21.00	I274368	1.00	0.221
		minimal (<1%) consisting of fine gashy ankerite fractures/ veinlets while mineralization is confined to trace fine						
		pyrite (Py).						
20.60	42.85	K03; Ank02; Se02; Cl02						
		Potassic 3; Ankerite 2; Sericite 2; Chlorite 2						
		Moderate to strong selective potassic alteration. Moderate to strong interstitial ankerite and sericite.						
		Weak to moderate light green chl alteration.						
21.00	22.50	Py00.5		21.00	22.00	I274369	1.00	1.06
		Pyrite 0.5%		22.00	23.00	I274370	1.00	0.562
		F-mg eu-subhedral py selectively disseminated.		23.00	24.00	I274371	1.00	0.23
				24.00	25.00	I274372	1.00	0.093
				25.00	26.00	I274373	1.00	0.019
				26.00	27.00	I274374	1.00	0.048
				27.00	28.00	I274377	1.00	0.089
				28.00	29.00	I274378	1.00	0.023
				29.00	30.00	I274379	1.00	0.1
				30.00	31.00	I274380	1.00	0.078
				31.00	32.00	I274381	1.00	0.055
				32.00	33.00	I274382	1.00	0.073
				33.00	34.00	I274383	1.00	0.029
				34.00	35.00	I274384	1.00	0.008
				35.00	36.00	I274385	1.00	0.036
				36.00	37.00	I274386	1.00	0.012
				37.00	38.00	I274387	1.00	0.021

Description				Assay				
				From	To	Sample number	Length	AuBest
				38.00	39.00	I274388	1.00	0.017
				39.00	40.00	I274389	1.00	0.011
				40.00	41.00	I274390	1.00	0.01
				41.00	42.00	I274391	1.00	0.031
41.88		54.20	Vt;1%;Cl;Ra;;;	42.00	42.85	I274392	0.85	0.025
			veinlet (1-5 mm) 1% chlorite random					
			Dk green chl veinlets.					
42.50		47.85	S3					
			Greywacke 50°					
			Massive, fine grained, granular textured, light yellowish to greyish green coloured. Chlorite with selective sericite-ankerite. Dk green chloritic veinlets sub-paralle to foliation. Few dk grey specular hematite veinlets.					
42.85		47.85	Ank03; Se03; Cl02	42.85	43.75	I274393	0.90	0.007
			Ankerite 3; Sericite 3; Chlorite 2	43.75	44.40	I274394	0.65	0.011
			Strong selective ankerite and sericite alteration. Pervasive light green chl alt.	44.40	45.00	I274395	0.60	<0.005
				45.00	46.00	I274396	1.00	<0.005
				46.00	47.00	I274397	1.00	0.012
				47.00	47.90	I274398	0.90	0.035
47.85		110.95	S1	47.90	49.00	I274399	1.10	0.013
			Conglomerate 35°	49.00	50.00	I274402	1.00	0.01
			Pale to med greenish with localized pinky-red colouration. Volcano-sedimentary fragmental unit. F-mg matrix with granular texture and scattered fg crystals. Fine to coarse clasts of pale-med green-beige to glassy and pinky-red to med grey and siliceous. Clasts are sub-angular to rounded and weak to moderately attenuated comprimising 15-25 pct of the rock. Dominantly sericite-ankerite alteration with weak light green chl and selective potassic alteration. Isolated zone of oxidization and rubbly core at 68m. Generally, veining is minimal (less than 1pct) consisting of fine gashy ankerite fractures/ veinlets and dk green chl +/- hematite veinlets and selective pinky-orange folded and irregularly deformed k-felds veining at lower ctc. Trace to locally 0.5 pct py. Non magnetic.	50.00	51.00	I274403	1.00	0.006
				51.00	52.00	I274404	1.00	0.027
				52.00	53.00	I274405	1.00	0.088
				53.00	54.00	I274406	1.00	0.012
				54.00	55.00	I274407	1.00	0.048
				55.00	55.70	I274408	0.70	0.056
				55.70	56.85	I274409	1.15	0.145
47.85		55.75	Se; K03; Ank02; Se02; Cl02					
			Sericite; Potassic 3; Ankerite 2; Sericite 2; Chlorite 2					
			The change in lithology is reflected by a return to potassic dominated alteration which may also represent a change to the more alkalic domain. Strong dominant potassic alteration. Moderate interstitial sericite and ankerite. Weak to moderate light green chl alteration.					
55.75		68.00	Ank03; Se03; K01	56.85	58.00	I274410	1.15	0.081
			Ankerite 3; Sericite 3; Potassic 1	58.00	59.00	I274411	1.00	0.067
			Back into more sericite ankerite alteration with a gradual increase in potassic within the conglomerate. Potassic alteration limited to glassy trachytic fragments.	59.00	60.00	I274412	1.00	0.072
60.00		62.50	Py00.2	60.00	61.00	I274413	1.00	0.022
			Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Eu-subhedral f-mg py clustered or selectively disseminated.	61.00	61.70	I274414	0.70	0.011
			61.70	62.45	I274415	0.75	0.054
			62.45	63.00	I274416	0.55	0.065
			63.00	64.00	I274417	1.00	0.046
			64.00	65.00	I274418	1.00	0.054
			65.00	66.00	I274419	1.00	0.035
			66.00	67.00	I274420	1.00	0.018
			67.00	68.00	I274421	1.00	0.013
68.00	70.10	Ox; Ank02; Se02; Cl02; K02					
		Oxidation; Ankerite 2; Sericite 2; Chlorite 2; Potassic 2					
		The core becomes orange coloured (oxidized) along slips/ fractures and also migrates into the walls.					
		Moderate light green chl with interstitial ankerite-sericite. Potassic alteration of fragments.					
68.00	70.10	FAZ	68.00	69.00	I274422	1.00	0.009
		Fault Zone					
		Oxidized and rubbly core, no gouge.					
69.00	74.00	Vt;1%;Qac;Ra;;;	69.00	70.00	I274423	1.00	0.063
		veinlet (1-5 mm) 1% quartz-ankerite-chlorite random	70.00	71.00	I274424	1.00	0.012
		White to dk green chl-ankerite veining with trace qtz.					
70.10	75.70	Ank02; Se02; Cl02; K02	71.00	72.00	I274427	1.00	0.053
		Ankerite 2; Sericite 2; Chlorite 2; Potassic 2	72.00	73.00	I274428	1.00	0.008
		Moderate light green chl with interstitial ankerite-sericite. Potassic alteration of fragments.	73.00	74.00	I274429	1.00	0.02
			74.00	75.00	I274430	1.00	0.022
			75.00	75.70	I274431	0.70	0.075
75.70	110.95	Ank03; Se03; K01	75.70	76.55	I274432	0.85	0.027
		Ankerite 3; Sericite 3; Potassic 1					
		Strong sericite-ankerite alteration with selective potassic alteration of glassy fragments.					
76.50	80.00	Py00.2	76.55	77.20	I274433	0.65	0.045
		Pyrite 0.2%	77.20	78.00	I274434	0.80	0.026
		Eu-subhedral clustered py.	78.00	79.00	I274435	1.00	0.105
			79.00	80.00	I274436	1.00	0.097
			80.00	81.00	I274437	1.00	0.073
			81.00	82.00	I274438	1.00	0.293
			82.00	83.00	I274439	1.00	0.145
			83.00	84.00	I274440	1.00	0.165
			84.00	85.00	I274441	1.00	0.011
			85.00	86.00	I274442	1.00	0.064

Description			Assay				
			From	To	Sample number	Length	AuBest
			86.00	87.00	I274443	1.00	0.101
87.00	89.00	Py00.5	87.00	87.70	I274444	0.70	0.046
		Pyrite 0.5%	87.70	88.30	I274445	0.60	0.136
		Eu-subhedral f-mg py disseminated.	88.30	88.75	I274446	0.45	0.154
88.40	88.70	Vn;70%;Qak;Ra;;;	88.75	89.50	I274447	0.75	0.065
		vein (5 mm - 10 cm) 70% quartz-ankerite random	89.50	90.00	I274448	0.50	0.035
		Lg greyish qtz vein with jagged walls and brecciated fragments of wall rock along edges. Beige ankerite	90.00	91.00	I274449	1.00	0.062
		stockwork surrounding larger qtz vein.	91.00	92.00	I274452	1.00	0.013
			92.00	93.00	I274453	1.00	0.011
			93.00	94.00	I274454	1.00	0.128
			94.00	95.00	I274455	1.00	0.037
			95.00	96.00	I274456	1.00	0.008
			96.00	97.00	I274457	1.00	0.008
			97.00	98.00	I274458	1.00	0.039
			98.00	99.00	I274459	1.00	0.047
			99.00	100.00	I274460	1.00	0.121
99.20	108.60	Vn;4%;Qak;Ra;;;	100.00	101.00	I274461	1.00	0.084
		vein (5 mm - 10 cm) 4% quartz-ankerite random	101.00	102.00	I274462	1.00	0.047
		Greyish to pinky-orange qtz-felds veining with minor incl of ankerite and trace chl.	102.00	103.00	I274463	1.00	0.121
			103.00	104.00	I274464	1.00	0.24
			104.00	105.00	I274465	1.00	0.08
			105.00	105.50	I274466	0.50	0.197
105.50	106.00	Py00.5	105.50	106.00	I274467	0.50	0.033
		Pyrite 0.5%					
		AutoInsert by "trg_updMineral" Updated					
106.00	107.00	Py01	106.00	107.00	I274468	1.00	0.05
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
107.00	108.00	Py02	107.00	108.00	I274469	1.00	0.249
		Pyrite 2%					
		AutoInsert by "trg_updMineral" Updated					
108.00	109.00	Py01	108.00	109.00	I274470	1.00	0.238
		Pyrite 1%					
		AutoInsert by "trg_updMineral" Updated					
109.00	110.95	Py00.1	109.00	110.00	I274471	1.00	0.066
		Pyrite 0.1%	110.00	110.95	I274472	0.95	0.307

Description			Assay				
			From	To	Sample number	Length	AuBest
		AutoInsert by "trg_updMineral" Updated					
110.95	121.45	V4; Per; Vol					
		Trachyte 45°; PERLITIC; VOLCANICLASTIC					
		Med greyish-mauve pyroclastic trachyte. Sharp ctcs. Glassy quenched groundmass with perlitic texture and ankerite alteration. Angular fine to coarse volcanic fragments with silica or potassic alteration . Selective silicification. Fine disseminated py 0.5 to 1 pct. Minor smoky-grey qtz and white irregular ankerite veining.					
110.95	121.45	Ank03; Si02; K01; Se01	110.95	112.00	I274473	1.05	0.373
		Ankerite 3; Silica 2; Potassic 1; Sericite 1	112.00	113.00	I274474	1.00	0.295
		Strong selective ankerite. Moderate greyish silicification and weak to moderate pinky-red potassic alteration. Weak interstitial sericite.					
110.95	115.00	Py01					
		Pyrite 1%					
		Disseminated py.					
112.20	118.00	Sw;2;Ak;Ra;;;	113.00	114.00	I274477	1.00	0.152
		sweats 2 ankerite random	114.00	115.00	I274478	1.00	0.144
		Irregular wispy veinlets and blebs of white ankerite.					
115.00	127.00	Py00.5	115.00	116.00	I274479	1.00	0.159
		Pyrite 0.5%	116.00	117.00	I274480	1.00	0.059
		Fg disseminated py.	117.00	118.00	I274481	1.00	0.076
118.00	121.45	Vn;2%;Qak;Ra;;;	118.00	119.00	I274482	1.00	0.317
		vein (5 mm - 10 cm) 2% quartz-ankerite random	119.00	120.00	I274483	1.00	0.308
		Smoky-grey qtz and ankerite veinlets.	120.00	121.00	I274484	1.00	0.468
			121.00	122.00	I274485	1.00	0.222
121.45	123.40	V4; LapTuff					
		Trachyte 50°; LAPILLI TUFF/AGGLOMERATE					
		Med green fragmental volcanic unit. Fg groundmass with pervasive light green chl alteration. Interstitial moderate sericite-ankerite. Selective weak to moderate potassic alteration of fragments. Fragments are weak to moderately attenuated along plane of deformation. Cross-cutting greyish white qtz-ankerite veins. Pinky-orange ductally deformed k-spar veins. Trace fg disseminated py.					
121.45	123.40	Ank02; Se02; Cl02; K02					
		Ankerite 2; Sericite 2; Chlorite 2; Potassic 2					
		Moderate pervasive light green chl with interstitial sericite-ankerite alteration. Selective potassic alteration of veins and fragments at upper and lower ctcs.					
121.45	123.40	Vn;2%;Qak;Vc;;;	122.00	123.00	I274486	1.00	0.028
		vein (5 mm - 10 cm) 2% quartz-ankerite vein cross-cutting foliation	123.00	123.57	I274487	0.57	0.036
		White to greyish qtz-ankerite veining.					
123.40	140.55	V4; Per					
		Trachyte 40°; PERLITIC					
		Med brick red to greyish-mauve trachytic flow. Aphanitic glassy groundmass with perlitic texture. Intense					

Description			Assay				
			From	To	Sample number	Length	AuBest
		potassic alteration with selective silicification. Ankerite alteration in between quenched trachytic fragments. Few selective clusters of pale beige to grey f-mg sub-rounded crystals. Fg disseminated py 0.2-1 pct. Few dk green chloritic stringers. Minor smoky-grey qtz veining and white ankerite veinlets. Sharp ctcs.					
123.40	127.40	K03; Ank02 **Potassic 3; Ankerite 2** Intense pervasive potassic alteration. Moderate ankerite altering fractured groundmass.					
123.40	147.00	Vt;2%;Qak Cl;Ra;;;	123.57	124.00	I274488	0.43	0.059
		veinlet (1-5 mm) 2% quartz-ankerite chlorite random	124.00	125.00	I274489	1.00	0.114
		Few greyish-white qtz-ankerite and ankerite veinlets as well as dk green chl stringers cross-cutting rock.	125.00	126.00	I274490	1.00	0.181
			126.00	127.00	I274491	1.00	0.158
127.00	133.00	Py00.5	127.00	128.00	I274492	1.00	0.145
		Pyrite 0.5% Fine disseminated py.					
127.40	140.55	K03; Ank02; Si02; Se01	128.00	129.00	I274493	1.00	0.174
		Potassic 3; Ankerite 2; Silica 2; Sericite 1	129.00	130.00	I274494	1.00	0.182
		Strong selective potassic alteration. Moderate selective silicification and interstitial ankerite. Moderate isolated sericite.	130.00	131.00	I274495	1.00	0.305
			131.00	132.00	I274496	1.00	0.272
			132.00	133.00	I274497	1.00	0.09
			133.00	134.00	I274498	1.00	0.133
			134.00	135.00	I274499	1.00	0.157
			135.00	136.00	I276002	1.00	0.133
			136.00	137.00	I276003	1.00	0.149
			137.00	138.00	I276004	1.00	0.307
138.00	140.55	Py00.5	138.00	139.00	I276005	1.00	0.21
		Pyrite 0.5%	139.00	140.00	I276006	1.00	0.091
		Fine disseminated py.	140.00	141.00	I276007	1.00	0.147
140.55	142.80	V4; LapTuff **Trachyte 70°; LAPILLI TUFF/AGGLOMERATE** Med green fragmental volcanic unit. Fg groundmass with pervasive light green chl alteration. Interstitial moderate sericite-ankerite. Selective weak to moderate potassic alteration of fragments. Fragments are weak to moderately attenuated along plane of deformation. Dk green chl veinlets cross-cutting deformed fragments. Trace fg disseminated py.					
140.55	142.80	Se02; Cl02; Ank02; K02 **Sericite 2; Chlorite 2; Ankerite 2; Potassic 2** Moderate pervasive light green chl with interstitial ankerite-sericite alteration. Selective weak to moderate potassic alteration of fragments	141.00	142.00	I276008	1.00	0.053
142.00	145.00	Py00.5	142.00	143.00	I276009	1.00	0.296

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Fine disseminated py.					
142.80	162.15	V4; Per; Cry	143.00	144.00	I276010	1.00	0.276
		Trachyte 70°; PERLITIC; CRYSTALRICH	144.00	145.00	I276011	1.00	0.511
		Med red to greyish-mauve trachytic flow. Aphanitic glassy groundmass with perlitic texture. Intense potassic	145.00	146.00	I276012	1.00	0.17
		alteration with selective silicification. Ankerite alteration in between quenched trachytic fragments. Pink to pale	146.00	147.00	I276013	1.00	0.075
		beige f-mg sub-rounded faintly visible feldspar crystals. Fg disseminated py 0.5 pct. Few dk green chloritic					
		stringers with irregular branching. Minor smoky-grey qtz veining and white-beige ankerite veinlets. Sharp					
		upper ctc. Banded to fragmental chill margin at lower ctc with ankerite-sericite-chl alteration and 1 to 3 pct f-mg					
		disseminated py.					
142.80	153.61	K03; Ank02					
		Potassic 3; Ankerite 2					
		Strong selective potassic alteration with ankerite altering in btw fractured glassy frags.					
147.00	153.61	Py00.5	147.00	148.00	I276014	1.00	0.251
		Pyrite 0.5%	148.00	149.00	I276015	1.00	0.361
		Fine disseminated py.	149.00	150.00	I276016	1.00	0.349
			150.00	151.00	I276017	1.00	0.388
150.20	150.65	Vn;10%;Ak;Ra;;;	151.00	152.00	I276018	1.00	0.287
		vein (5 mm - 10 cm) 10% ankerite random	152.00	153.00	I276019	1.00	0.465
		White to greyish ankerite veining with hydrothermal brecciation of wall rock.	153.00	153.61	I276020	0.61	0.333
153.61	161.15	FTH; V4					
		Flow Top/Hyaloclastite 60°; Trachyte					
		Med greyish to pinky to dk green. Banded to fragmental. Glassy and quenched with moderate to strong					
		sericite-ankerite-chl + isolated potassic alteration. Well mineralized with 1-3 pct py.					
153.61	161.70	Ank03; Se02; Cl02; K02	153.61	154.00	I276021	0.39	0.403
		Ankerite 3; Sericite 2; Chlorite 2; Potassic 2					
		Strong selective ankerite. Moderate interstitial sericite. Moderate dk green chl in stringers and bands.					
		Isolated bands of deep red potassic alteration.					
153.61	156.00	Py01					
		Pyrite 1%					
		F-mg eu-subhedral py disseminated to clustered.					
153.90	169.85	Vn;5%;Qak;Ra;;;	154.00	155.00	I276022	1.00	0.764
		vein (5 mm - 10 cm) 5% quartz-ankerite random	155.00	156.00	I276023	1.00	0.616
		White to greyish ankerite-qtz veining. Typically parallel to foliation. Irregular and blebby - boudinaged.					
156.00	160.00	Py02	156.00	157.00	I276024	1.00	0.98
		Pyrite 2%	157.00	158.00	I276027	1.00	0.914
		F-mg eu-subhedral py disseminated to clustered.	158.00	159.00	I276028	1.00	0.534
			159.00	160.00	I276029	1.00	0.588

Description			Assay				
			From	To	Sample number	Length	AuBest
160.00	161.00	Py03 **Pyrite 3%** F-mg eu-subhedral py disseminated to clustered.	160.00	161.00	I276030	1.00	2.56
161.00	162.00	Py02 **Pyrite 2%** F-mg eu-subhedral py disseminated to clustered.	161.00	162.00	I276031	1.00	1.2
161.70	207.90	Ank03; Se03; Cl02; K01; Fu01 **Ankerite 3; Sericite 3; Chlorite 2; Potassic 1; Fuchsite 1** Intense ankerite-sericite alteration. Selective moderate med green chl in thin wispy lenses. Weak selective potassic alteration of glassy fragments. Isolated traces of fuchsite.					
162.00	163.00	Py01 **Pyrite 1%** F-mg eu-subhedral py disseminated to clustered.	162.00	163.00	I276032	1.00	0.976
162.15	202.00	V4; LapTuff; Lam **Trachyte 40°; LAPILLI TUFF/AGGLOMERATE; Laminated** Pale to med beige-green lapilli tuff. Leopard texture. Fg groundmass with strong pervasive ankerite-sericite alteration. Moderate chl lenses elongated along plane of weak deformation. Weak to moderate selective potassic alteration of rounded glassy fine to med fragments comprising up to 20 pct. Moderate pervasive lamination with features attenuated along 30 to 85 deg tca. Minor qtz-ankerite and calcite veining dispersed throughout unit with veins roughly parallel to foliation. Two large white to faintly green cross-cutting ankerite-qtz veins with mottled sericite incl and trace moly. Trace up to 0.2 pct fg py.	163.00	164.00	I276033	1.00	0.031
			164.00	165.00	I276034	1.00	0.015
			165.00	166.00	I276035	1.00	0.947
			166.00	167.00	I276036	1.00	1.06
167.00	170.00	Py00.2 **Pyrite 0.2%** Eu-subhedral fg py disseminated to conc within stringers.	167.00	168.00	I276037	1.00	0.091
			168.00	169.00	I276038	1.00	0.036
			169.00	170.00	I276039	1.00	0.113
			170.00	171.00	I276040	1.00	0.01
			171.00	172.00	I276041	1.00	0.007
171.10	179.00	Vn;2%;Qak;Vn;;Mo00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite vein parallel to foliation Molybdenite 0.1%** Greyish-white translucent qtz veins with incl of ankerite and k-spar. Trace incl of moly.	172.00	173.00	I276042	1.00	0.008
			173.00	174.00	I276043	1.00	0.007
			174.00	175.00	I276044	1.00	<0.005
			175.00	176.00	I276045	1.00	<0.005
			176.00	177.00	I276046	1.00	<0.005
			177.00	178.00	I276047	1.00	<0.005
			178.00	179.00	I276048	1.00	<0.005
			179.00	180.00	I276049	1.00	<0.005
180.00	186.00	Py00.1 **Pyrite 0.1%** Eu-subhedral fg py disseminated to conc along stringers.	180.00	181.00	I275802	1.00	<0.005
			181.00	181.53	I275803	0.53	0.115

Description			Assay				
			From	To	Sample number	Length	AuBest
181.53	182.00	Vm;80%;Qak;Vc;;; **major vein (10 cm or greater) 80% vein cross-cutting foliation** crosscutting. Swirly bands of deep yellow sericite. Faint very light green discolouration of selective patches.	181.53	182.00	I275804	0.47	0.032
			182.00	183.00	I275805	1.00	0.025
			183.00	184.00	I275806	1.00	0.177
			184.00	184.38	I275807	0.38	0.144
184.38	184.74	Vm;95%;Qak;Vc;;; **major vein (10 cm or greater) 95% vein cross-cutting foliation** crosscutting quartz vein. Grey to white ankerite-qtz vein. Mottled incl of deep yellow to beige-tan to brown sericite. Very faint light green discolouration. Trace incl of a dk black opaque mineral..	184.38	184.74	I275808	0.36	<0.005
			184.74	185.25	I275809	0.51	0.006
185.00	200.00	Vt;1%;Ca;Vn;;; **veinlet (1-5 mm) 1% calcite vein parallel to foliation** Pinky-greyish white calcite veinlets.	185.25	186.00	I275810	0.75	0.005
			186.00	187.00	I275811	1.00	0.009
			187.00	188.00	I275812	1.00	<0.005
			188.00	189.00	I275813	1.00	<0.005
			189.00	190.00	I275814	1.00	<0.005
			190.00	191.00	I275815	1.00	<0.005
			191.00	192.00	I275816	1.00	<0.005
			192.00	193.00	I275817	1.00	<0.005
			193.00	194.00	I275818	1.00	<0.005
			194.00	195.00	I275819	1.00	<0.005
			195.00	196.00	I275820	1.00	<0.005
			196.00	197.00	I275821	1.00	<0.005
			197.00	198.00	I275822	1.00	<0.005
			198.00	199.00	I275823	1.00	<0.005
			199.00	200.00	I275824	1.00	<0.005
			200.00	201.00	I275827	1.00	0.007
			201.00	202.00	I275828	1.00	<0.005
201.95	202.90	Vn;30%;Qak;Vn;;Mo00.01; **vein (5 mm - 10 cm) 30% quartz-ankerite vein parallel to foliation Molybdenite 0.01%** Greyish-white to pink qtz-ankerite-k-felds veining. Metamorphic segregation of minerals. Trace incl of moly.					
202.00	213.70	V4; Tuff; Lam **Trachyte 25°; TUFF; Laminated** Pale greyish-green to med green and pinkish tuff. Fg with pervasive lamination. Strong ankerite-sericite alteration transitioning to moderate chl-sericite-ankerite with selective potassic alteration towards lower ctc. Transitional ctcs with pegmatitic qtz-ankerite and k-felds veining at upper and lower boundaries with trace moly and chalco. 1pct white blebby weakly boudinaged ankerite-qtz-chl veins. Dk green chl stringers irregular to parallel tca and locally stockworked. Trace fg py.	202.00	203.00	I275829	1.00	0.008
			203.00	204.00	I275830	1.00	0.108
			204.00	205.00	I275831	1.00	0.039
			205.00	206.00	I275832	1.00	0.008
			206.00	207.00	I275833	1.00	0.007
			207.00	208.00	I275834	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
207.90	214.80	Ank02; Se02; Cl02; K02	208.00	209.00	I275835	1.00	<0.005
		Ankerite 2; Sericite 2; Chlorite 2; Potassic 2	209.00	210.00	I275836	1.00	<0.005
		Moderate selective ankerite. Moderate interstitial sericite-chl. Weak to moderate patchy potassic alteration.	210.00	211.00	I275837	1.00	<0.005
			211.00	212.00	I275838	1.00	<0.005
211.50	215.20	Vn;20%;Qak;Vc;;Mo01 Cp00.1;	212.00	213.00	I275839	1.00	<0.005
		vein (5 mm - 10 cm) 20% vein cross-cutting foliation Molybdenite 1% Chalcopyrite	213.00	214.00	I275840	1.00	<0.005
		0.1%					
		Greyish-white to pink qtz-ankerite-k-felds veining. Metamorphic segregation of minerals. Incl of moly and trace chalcopyrite.					
213.70	234.00	V4; LapTuff; Lam	214.00	215.00	I275841	1.00	<0.005
		Trachyte 30°; LAPILLI TUFF/AGGLOMERATE; Laminated					
		Pale to med beige-green lapilli tuff. Leopard texture. Fg groundmass with strong pervasive ankerite-sericite alteration. Moderate chl lenses elongated along plane of weak deformation. Weak to moderate selective potassic alteration of rounded glassy fine to med fragments comprising up to 30 pct. Moderate pervasive lamination with features attenuated along 10 to 85 deg tca. Minor qtz-ankerite and calcite veining with veins roughly parallel to lamination. Trace fg py. Possible fault zone at 230m to 234m with intensely fractured core and local gouge.					
214.80	235.30	Ank03; Se03; Cl02; K02; Fu01	215.00	216.00	I275842	1.00	<0.005
		Ankerite 3; Sericite 3; Chlorite 2; Potassic 2; Fuchsite 1	216.00	217.00	I275843	1.00	<0.005
		Strong ankerite-sericite alteration. Selective moderate chloritic lenses. Weak to moderate selective potassic alteration of glassy rounded fragments. Isolated traces of fuchsite.	217.00	218.00	I275844	1.00	<0.005
			218.00	219.00	I275845	1.00	<0.005
			219.00	220.00	I275846	1.00	<0.005
			220.00	221.00	I275847	1.00	<0.005
			221.00	222.00	I275848	1.00	<0.005
			222.00	223.00	I275849	1.00	<0.005
			223.00	224.00	I275852	1.00	<0.005
			224.00	225.00	I275853	1.00	<0.005
			225.00	226.00	I275854	1.00	0.015
			226.00	227.00	I275855	1.00	0.013
			227.00	228.00	I275856	1.00	0.02
			228.00	228.75	I275857	0.75	<0.005
			228.75	229.24	I275858	0.49	0.009
229.24	234.57	FAZ	229.24	230.00	I275859	0.76	0.005
		Fault Zone 50°	230.00	231.00	I275860	1.00	0.015
		Strongly foliated with local gouge, core is intensely fractured and sheared	231.00	232.00	I275861	1.00	0.012
			232.00	233.00	I275862	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			233.00	233.60	I275863	0.60	<0.005
			233.60	234.57	I275864	0.97	<0.005
234.00	289.50	V4; Tuff; Lam	234.57	235.00	I275865	0.43	<0.005
		Trachyte; TUFF; Laminated	235.00	236.00	I275866	1.00	0.025
		Pale to med yellowy-beige to green very fine grained tuff. Strong selective ankerite alteration with moderate chl-sericite attenuated along pervasive moderate lamination - thin alternating layers of dark green and light green. Lamination is well defined on macro-scale but weak on micro-scale - not quite a well formed foliation. Selective microfolding and crenulations - irregular and non continuous. Isolated zones of weak potassic alteration. Few crosscutting pink k-felds veinlets which are often crenulated. Weak to moderate disseminated magnetite. Trace to 0.2 pct fg disseminated py. Transitional lower ctc.					
235.30	243.00	Ank03; Se02; Cl02; Mgt02; K01	236.00	237.00	I275867	1.00	0.03
		Ankerite 3; Sericite 2; Chlorite 2; Magnetite 2; Potassic 1	237.00	238.00	I275868	1.00	0.009
		Strong pervasive ankerite alteration. Moderate sericite and chl along foliation plane. Moderate pervasive magnetism. Weak isolated bands of potassic alteration.	238.00	239.00	I275869	1.00	0.007
			239.00	240.00	I275870	1.00	<0.005
			240.00	241.00	I275871	1.00	0.01
			241.00	242.00	I275872	1.00	0.006
			242.00	243.00	I275873	1.00	0.006
243.00	245.90	Ank03; Se02; Cl02; K01	243.00	244.00	I275874	1.00	<0.005
		Ankerite 3; Sericite 2; Chlorite 2; Potassic 1	244.00	245.00	I275877	1.00	0.01
		Strong pervasive ankerite alteration. Moderate sericite-chl attenuated along foliation plane. Weak pervasive potassic.	245.00	246.00	I275878	1.00	0.039
245.90	253.00	Ank03; Se02; Cl02; Mgt01; K01	246.00	247.00	I275879	1.00	0.012
		Ankerite 3; Sericite 2; Chlorite 2; Magnetite 1; Potassic 1	247.00	248.00	I275880	1.00	0.032
		Strong selective ankerite alteration. Moderate light green chl with sericite oriented along foliation. Weak to moderate selective magnetite. Weak selective potassic alteration.	248.00	249.00	I275881	1.00	<0.005
			249.00	250.00	I275882	1.00	<0.005
			250.00	251.00	I275883	1.00	0.011
			251.00	252.00	I275884	1.00	0.015
			252.00	253.00	I275885	1.00	<0.005
253.00	285.10	Ank02; Se02; Cl02; Mgt01	253.00	254.00	I275886	1.00	0.012
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 1	254.00	255.00	I275887	1.00	0.021
		Moderate to strong selective ankerite alteration. Moderate to strong pervasive light to dk green chl with interstitial and patchy sericite. Weak to moderate selective magnetite.	255.00	256.00	I275888	1.00	0.054
256.00	256.30	Vm;90%;Qtz;Vc;;;	256.00	256.30	I275889	0.30	0.547
		major vein (10 cm or greater) 90% vein cross-cutting foliation	256.30	257.00	I275890	0.70	0.054
		crosscutting. White-beige to pale pink ankerite-qtz and k-felds vein.	257.00	258.00	I275891	1.00	0.071
			258.00	259.00	I275892	1.00	0.038

Description			Assay				
			From	To	Sample number	Length	AuBest
			259.00	260.00	I275893	1.00	0.448
			260.00	261.00	I275894	1.00	0.052
			261.00	262.00	I275895	1.00	0.051
			262.00	263.00	I275896	1.00	0.086
			263.00	264.00	I275897	1.00	0.019
264.00	267.00	Py00.2	264.00	265.00	I275898	1.00	0.24
		Pyrite 0.2%	265.00	266.00	I275899	1.00	0.702
		Eu-subhedral fg disseminated py.					
265.10	266.10	Vm;30%;Qak;Vn;;Py01;	266.00	267.00	I275952	1.00	0.459
		major vein (10 cm or greater) 30% quartz-ankerite vein parallel to foliation Pyrite 1%					
		Pegmatitic veins of k-felds with minor qtz and ankerite. Fine disseminated py. Irregular ductally folded					
		veins parallel to foliation.					
267.00	269.00	Py00.1	267.00	268.00	I275953	1.00	0.408
		Pyrite 0.1%	268.00	269.00	I275954	1.00	0.151
		Eu-subhedral fg disseminated py.	269.00	270.00	I275955	1.00	0.198
			270.00	271.00	I275956	1.00	0.467
			271.00	272.00	I275957	1.00	0.013
			272.00	273.00	I275958	1.00	0.021
			273.00	274.00	I275959	1.00	0.052
			274.00	275.00	I275960	1.00	0.061
			275.00	276.00	I275961	1.00	0.013
			276.00	277.00	I275962	1.00	0.008
			277.00	278.00	I275963	1.00	0.005
			278.00	279.00	I275964	1.00	<0.005
			279.00	280.00	I275965	1.00	<0.005
			280.00	281.00	I275966	1.00	0.015
			281.00	282.00	I275967	1.00	0.081
			282.00	283.00	I275968	1.00	0.044
			283.00	284.00	I275969	1.00	0.006
284.00	285.00	Py00.5	284.00	285.00	I275970	1.00	0.829
		Pyrite 0.5%	285.00	286.00	I275971	1.00	0.032
		Eu-subhedral f-mg py clustered to conc along selective planes.					
285.10	290.60	Ank03; Se03; Cl02; Mgt02					
		Ankerite 3; Sericite 3; Chlorite 2; Magnetite 2					
		Strong ankerite-sericite alteration with interstitial chl and disseminated magnetite.					
285.10	291.28	Vn;1%;Qak;Vn;;;	286.00	287.00	I275972	1.00	0.022

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 1% quartz-ankerite vein parallel to foliation					
		Greyish to white and pinky-red qtz-ankerite veining with hematite. Isolated brecciation of wall rock with rotated angular fragments.					
287.00	288.00	Py00.2	287.00	288.00	I275973	1.00	0.008
		Pyrite 0.2%	288.00	289.00	I275974	1.00	0.013
		Eu-subhedral f-mg clustered py.	289.00	290.00	I275977	1.00	0.303
289.50	295.07	V4; FlBand; Per; Pep	290.00	291.00	I275978	1.00	0.463
		Trachyte 45°; FLOWBANDED; PERLITIC; PEPERITIC					
		Pale to med beige becoming pinky-mauve downhole. Very fg flow unit with thin distinct flow banding. Small scale faulting with mm displacement within flow bands at upper contact. Alternating sericite-chl and potassic layers. Weak selective magnetism. Dk grey to black gritty irregular to banded and strongly magnetitc peperitic material at 291m. Small raft of red glassy perlitic trachyte towards lower ctc. Fine disseminated py trace to 0.5 pct. Few crosscutting quartz-carbonate veinlets.					
290.60	313.77	K03; Ank02; Se02; Mgt02					
		Potassic 3; Ankerite 2; Sericite 2; Magnetite 2					
		Strong pervasive potassic alteration with moderate to strong ankerite in between the glassy fragments. Selective banding of moderate sericite. Moderate isolated bands of magnetite.					
291.00	292.00	Py00.2	291.00	292.00	I275979	1.00	0.369
		Pyrite 0.2%					
		Eu-subhedral fg to f-mg clustered to disseminated py.					
292.00	297.00	Py00.5	292.00	293.00	I275980	1.00	1.85
		Pyrite 0.5%	293.00	294.14	I275981	1.14	0.211
		Eu-subhedral fg disseminated py.	294.14	295.00	I275982	0.86	0.235
294.35	313.80	Vt;1%;Qak Ca;Ra;;;	295.00	296.00	I275983	1.00	0.246
		veinlet (1-5 mm) 1% quartz-ankerite calcite random					
		Pinky-greyish-white ankerite-qtz veinlets. Few pink calcite veinlets.					
295.07	311.94	V4; Pep; Per	296.00	297.00	I275984	1.00	0.126
		Trachyte 40°; PEPERITIC; PERLITIC					
		Med red to greyish-mauve. Aphanitic glassy groundmass with perlitic texture. Pervasive potassic alteration. Greyish ankerite alteration in between fractured glassy shards. Selective dk grey to black gritty magnetite in wispy bands with ankerite-sericitic alteration halos - peperitic horizons. 0.5 to 2 pct f-mg disseminated py. Trace vein controlled blebs of chalcopyrite. Wispy and irregular ankerite-qtz as well as few pink calcite veinlets.					
297.00	298.00	Py01; Cp00.1	297.00	298.00	I275985	1.00	0.169
		Pyrite 1%; Chalcopyrite 0.1%					
		Eu-subhedral fg disseminated py. Isolated bleb of chalcopyrite.					
298.00	304.00	Py02	298.00	299.00	I275986	1.00	0.857
		Pyrite 2%	299.00	300.00	I275987	1.00	0.287
		Eu-subhedral f-mg disseminated py.	300.00	301.00	I275988	1.00	0.459

Description			Assay				
			From	To	Sample number	Length	AuBest
			301.00	302.00	I275989	1.00	0.357
			302.00	303.00	I275990	1.00	0.511
			303.00	304.00	I275991	1.00	0.341
304.00	305.00	Py01	304.00	305.00	I275992	1.00	0.161
		Pyrite 1%					
		Eu-subhedral f-mg disseminated py.					
305.00	307.00	Py02	305.00	306.00	I275993	1.00	0.46
		Pyrite 2%	306.00	307.00	I275994	1.00	0.586
		Eu-subhedral f-mg disseminated py.					
307.00	308.00	Py02; Cp00.1	307.00	308.00	I275995	1.00	0.707
		Pyrite 2%; Chalcopyrite 0.1%					
		Eu-subhedral f-mg disseminated py. Isolated bleb of chalcopyrite within veinlet.					
308.00	312.00	Py02	308.00	309.00	I275996	1.00	0.165
		Pyrite 2%	309.00	310.00	I275997	1.00	0.176
		Eu-subhedral f-mg disseminated py.	310.00	311.00	I275998	1.00	0.124
			311.00	312.00	I275999	1.00	0.178
311.94	313.78	V4; FlBand					
		Trachyte 50°; FLOWBANDED					
		Med greyish to beige and pinky-red. Very fg flow unit with thin distinct flow banding. Thin mm bands of sericitic to potassic and chloritic alteration. Flamey irregular ctcs. Small scale mm displacement along hairlines. Weak to moderate pervaisve magnetism. Fine disseminated py trace to 0.5 pct.					
312.00	314.40	Py00.5	312.00	313.00	I275902	1.00	0.119
		Pyrite 0.5%	313.00	313.78	I275903	0.78	0.219
		Eu-subhedral fg disseminated py to f-mg clustered and conc along selective plane.					
313.77	353.36	Ank02; Se02; Cl02; Mgt02					
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2					
		Moderate selective ankerite-sericite alteration. Pervasive light to med green chl alteration. Disseminated magnetite.					
313.78	353.36	V4; Tuff	313.78	314.40	I275904	0.62	0.209
		Trachyte 35°; TUFF	314.40	315.00	I275905	0.60	0.007
		Pale to med greyish-beige to green. Fg. Pervasive light to med green chl alteration. Wispy sericite attenuated within foliation. Selective moderate ankerite alteration. F-mg disseminated magnetite. Pervasive moderate foliation with weak mineral segregation. Selective S-C fabrics. Chl-hematite-calcite veinlets cross-cutting foliation and at low angle tca. Few crosscutting pink quartz-ankerite and k-felds veinlets. Well defined ctcs with strong sericite-ankerite alteration and intense banding.	315.00	316.00	I275906	1.00	0.006
			316.00	317.00	I275907	1.00	<0.005
			317.00	318.00	I275908	1.00	0.01
			318.00	319.00	I275909	1.00	<0.005
			319.00	320.00	I275910	1.00	<0.005
319.90	337.40	Vt;1%;Cl Ca;;;ZnS;	320.00	321.00	I275911	1.00	0.008
		veinlet (1-5 mm) 1% chlorite calcite Sphalerite	321.00	322.00	I275912	1.00	<0.005
		Dk grey to green specularite and chl veinlets at low angle and parallel tca cross-cutting foliation. Minor					

Description			Assay				
			From	To	Sample number	Length	AuBest
		calcite incl. Localized brecciation.	322.00	323.00	I275913	1.00	<0.005
			323.00	324.00	I275914	1.00	<0.005
			324.00	325.00	I275915	1.00	<0.005
			325.00	326.00	I275916	1.00	<0.005
			326.00	327.00	I275917	1.00	<0.005
			327.00	328.00	I275918	1.00	<0.005
			328.00	329.00	I275919	1.00	<0.005
			329.00	330.00	I275920	1.00	<0.005
			330.00	331.00	I275921	1.00	<0.005
			331.00	332.00	I275922	1.00	<0.005
			332.00	333.00	I275923	1.00	<0.005
			333.00	334.00	I275924	1.00	<0.005
			334.00	335.00	I275927	1.00	0.01
			335.00	336.00	I275928	1.00	<0.005
			336.00	337.00	I275929	1.00	<0.005
			337.00	338.00	I275930	1.00	<0.005
337.40	349.00	Vt;2%;Ak Qak Ca;Vn;;;	338.00	339.00	I275931	1.00	<0.005
		veinlet (1-5 mm) 2% ankerite quartz-ankerite calcite vein parallel to foliation	339.00	340.00	I275932	1.00	<0.005
		White-beige ankerite veinlets with minor qtz component. Greyish calcite veinlets.	340.00	341.00	I275933	1.00	<0.005
			341.00	342.00	I275934	1.00	<0.005
			342.00	343.00	I275935	1.00	<0.005
			343.00	344.00	I275936	1.00	<0.005
			344.00	345.00	I275937	1.00	<0.005
			345.00	346.00	I275938	1.00	0.007
			346.00	347.00	I275939	1.00	<0.005
			347.00	348.00	I275940	1.00	<0.005
			348.00	349.00	I275941	1.00	0.006
349.00	353.36	Vt;1%;Cc;Vc;;;	349.00	350.00	I275942	1.00	<0.005
		veinlet (1-5 mm) 1% calcite-chlorite vein cross-cutting foliation	350.00	351.00	I275943	1.00	<0.005
		Few dk green to grey calcite-chl veinlets cross-cutting foliation and at low angle to core axis.	351.00	352.00	I275944	1.00	0.01
			352.00	353.00	I275945	1.00	0.009
			353.00	354.00	I275946	1.00	0.086
353.36	370.80	V4; Per	354.00	354.59	I275947	0.59	0.025
		Trachyte 90°; PERLITIC	354.59	355.00	I275948	0.41	0.024

Description			Assay				
			From	To	Sample number	Length	AuBest
		Med red trachyte. Aphanitic glassy groundmass with perlitic texture. Pervasive potassic alteration. Greyish ankerite alteration in between fractured glassy shards. 0.5 to 2 pct f-mg disseminated py. Trace vein controlled blebs of chalcopyrite and molybdenite. Cross-cutting low angle tca veinlets of specular hematite. Pinky-white ankerite-qtz veinlets and pink calcite veinlets - locally with orangy anhydrite - barite. Selective isolated dk grey to black gritty magnetite in wispy bands transitional ctc into peperitic horizon.	355.00	356.00	I275949	1.00	0.053
353.36	361.06	K03; Ank02; Mgt02 **Potassic 3; Ankerite 2; Magnetite 2** Intense pervasive potassic alteration. Moderate to strong selective ankerite. Selective moderate magnetism.					
353.36	356.00	Py00.5 **Pyrite 0.5%** Eu-subhedral fg disseminated py.					
355.50	365.00	Vt;1%;Qak Ca;Ra;;; **veinlet (1-5 mm) 1% quartz-ankerite calcite random** Pinky white to beige ankerite-qtz veinlets as well as pinky calcite veinlets. Few hematite veinlets cross-cutting flow banding and parallel tca.					
356.00	357.00	Py01 **Pyrite 1%** Eu-subhedral fg disseminated py. Conc within selective veins.	356.00	357.00	N459652	1.00	0.076
357.00	359.00	Py01; Cp00.05; Mo00.05; Hem00.1 **Pyrite 1%; Chalcopyrite 0.05%; Molybdenite 0.05%; SPECULARITE 0.1%** Eu-subhedral fg disseminated py. Isolated blebs of moly and chalco within veinlets. Few veinlets of specular hematite.	357.00 358.00	358.00 359.00	N459653 N459654	1.00 1.00	0.124 0.414
359.00	362.00	Py01 **Pyrite 1%** Eu-subhedral fg disseminated py.	359.00 360.00 361.00	360.00 361.00 362.00	N459655 N459656 N459657	1.00 1.00 1.00	0.858 0.481 0.578
361.06	361.32	FTH **Flow Top/Hyaloclastite 35°** Med to dk green and greyish beige. Banded to fragmental. Glassy and quenched with moderate to strong sericite-ankerite-chl alteration. Fine disseminated py.					
361.06	361.32	Ank03; Cl02; Mgt02 **Ankerite 3; Chlorite 2; Magnetite 2** Intense ankerite with interstitial chl and magnetite.					
361.32	370.80	K03; Ank03; Mgt02 **Potassic 3; Ankerite 3; Magnetite 2** Intense pervasive potassic alteration. Selective strong ankerite. Isolated wispy bands of moderate to strong magnetism.					
362.00	363.00	Py00.5; Mo00.05; Cp00.01 **Pyrite 0.5%; Molybdenite 0.05%; Chalcopyrite 0.01%** Eu-subhedral fg disseminated py. Isolated incl of moly and chalco within selective veinlets.	362.00	363.00	N459658	1.00	0.203

Description			Assay				
			From	To	Sample number	Length	AuBest
363.00	366.00	Py02; Cp00.05	363.00	364.00	N459659	1.00	0.154
		Pyrite 2%; Chalcopyrite 0.05%	364.00	365.00	N459660	1.00	0.227
		Eu-subhedral fg disseminated py. Isolated blebs of chalcopyrite within qtz-carb veinlets.	365.00	366.00	N459661	1.00	0.543
366.00	367.00	Py01	366.00	367.00	N459662	1.00	0.118
		Pyrite 1%					
		Eu-subhedral fg disseminated py.					
367.00	370.50	Py00.5	367.00	368.00	N459663	1.00	0.084
		Pyrite 0.5%	368.00	369.00	N459664	1.00	0.787
		Eu-subhedral fg disseminated py.	369.00	370.00	N459665	1.00	0.306
			370.00	370.70	N459666	0.70	0.104
			370.70	371.00	N459667	0.30	0.018
370.80	438.71	V4; Pep; Per					
		Trachyte; PEPERITIC; PERLITIC					
		Med greyish-mauve to dk grey-black. Aphanitic glassy groundmass with perlitic texture. Pervasive potassic alteration with selective silicification. Greyish ankerite alteration in between fractured glassy shards. Pervasive and mottled dk grey to black gritty magnetite in between trachytic fragments. Isolated flow-top unit with dk green chl-magnetite alteration banded with beige ankerite veins. Pinky calcite veining near upper ctc with dk purple fluorite incl. Less that 1 pct isolated wispy ankerite veinlets. Mineralized with 0.2-1 pct fine disseminated py.					
370.80	392.00	K03; Mgt03; Ank02; Si01					
		Potassic 3; Magnetite 3; Ankerite 2; Silica 1					
		Strong selective potassic-ankerite alteration with mottled interstitial magnetite. Isolated patches of weak silicification.					
371.00	392.00	Vt;2%;Ca;Ra;;;	371.00	372.00	N459668	1.00	0.021
		veinlet (1-5 mm) 2% calcite random	372.00	373.00	N459669	1.00	0.01
		Pinky calcite veinlets oblique tca. Localized incl of deep purple fluorite.	373.00	374.00	N459670	1.00	0.011
374.00	375.00	Py00.2	374.00	375.00	N459671	1.00	0.174
		Pyrite 0.2%	375.00	376.00	N459672	1.00	0.007
		Eu-subhedral fg disseminated py.	376.00	377.00	N459673	1.00	0.014
377.00	379.00	Py00.2	377.00	378.00	N459674	1.00	0.015
		Pyrite 0.2%	378.00	379.00	N459677	1.00	0.014
		Eu-subhedral fg disseminated py.					
379.00	380.00	Py00.5	379.00	380.00	N459678	1.00	0.081
		Pyrite 0.5%					
		Eu-subhedral fg disseminated py.					
380.00	382.00	Py01	380.00	381.00	N459679	1.00	0.062
		Pyrite 1%	381.00	382.00	N459680	1.00	0.063
		Eu-subhedral fg disseminated py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
382.00	388.00	Py00.5	382.00	383.00	N459681	1.00	0.027
		Pyrite 0.5%	383.00	384.00	N459682	1.00	0.027
		Eu-subhedral fg disseminated py.	384.00	385.00	N459683	1.00	0.046
			385.00	386.00	N459684	1.00	0.136
			386.00	387.00	N459685	1.00	0.364
			387.00	388.00	N459686	1.00	0.052
388.00	389.00	Py00.2	388.00	389.00	N459687	1.00	0.018
		Pyrite 0.2%					
		Eu-subhedral fg disseminated py.					
389.00	397.00	Py00.5	389.00	390.00	N459688	1.00	0.03
		Pyrite 0.5%	390.00	391.00	N459689	1.00	0.042
		Eu-subhedral fg disseminated py.	391.00	392.00	N459690	1.00	0.028
392.00	392.68	Mgt03; Cl03; Ank02					
		Magnetite 3; Chlorite 3; Ankerite 2					
		Strong chl-magnetite bands with selective ankerite.					
392.00	392.68	Vn;30%;Qak;Vn;;;	392.00	393.00	N459691	1.00	0.1
		vein (5 mm - 10 cm) 30% quartz-ankerite vein parallel to foliation					
		Greyish to white-beige locally orangy qtz-ankerite veining within flow top chill margin.					
392.04	392.60	FAZ					
		Fault Zone 60°					
		suspected fault zone. Strongly chloritic, crenulation and microfolding. Upper contact 60TCA lower					
		15TCA. Core is largely solid but has minor fragmentation.					
392.68	438.71	Mgt03; K03; Ank02; Ca02; Si02	393.00	394.00	N459692	1.00	0.064
		Magnetite 3; Potassic 3; Ankerite 2; Calcite 2; Silica 2	394.00	395.00	N459693	1.00	0.045
		Intense mottled interstitial magnetite. Strong potassic-ankerite alteration with selective silicification of	395.00	396.00	N459694	1.00	0.063
		glassy trachyte fragments. Moderate interstitial calcite alteration.	396.00	397.00	N459695	1.00	0.036
397.00	398.00	Py00.2	397.00	398.00	N459696	1.00	0.024
		Pyrite 0.2%					
		Eu-subhedral fg disseminated py.					
398.00	399.00	Py00.5; Cp00.05	398.00	399.00	N459697	1.00	0.126
		Pyrite 0.5%; Chalcopyrite 0.05%					
		Eu-subhedral fg disseminated py. Isolated blebs of chalco.					
398.80	399.74	Vt;5%;Qca;;;;					
		veinlet (1-5 mm) 5% quartz-calcite					
		stringers					
399.00	400.00	Py01	399.00	400.00	N459698	1.00	0.05
		Pyrite 1%					
		fine grained disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
400.00	406.00	Py00.5	400.00	401.00	N459699	1.00	0.104
		Pyrite 0.5%	401.00	402.00	N459702	1.00	0.096
		Eu-subhedral fg disseminated py.	402.00	403.00	N459703	1.00	0.024
			403.00	404.00	N459704	1.00	0.016
			404.00	405.00	N459705	1.00	0.019
			405.00	406.00	N459706	1.00	0.028
406.00	411.00	Py00.2	406.00	407.00	N459707	1.00	0.045
		Pyrite 0.2%	407.00	408.00	N459708	1.00	0.064
		Eu-subhedral fg disseminated py.	408.00	409.00	N459709	1.00	0.083
			409.00	410.00	N459710	1.00	0.038
			410.00	411.00	N459711	1.00	0.043
411.00	413.00	Py00.5	411.00	412.00	N459712	1.00	0.107
		Pyrite 0.5%	412.00	413.00	N459713	1.00	0.074
		Eu-subhedral fg disseminated py.					
413.00	416.00	Py00.2	413.00	414.00	N459714	1.00	0.122
		Pyrite 0.2%	414.00	415.00	N459715	1.00	0.043
		Eu-subhedral fg disseminated py.	415.00	416.00	N459716	1.00	0.047
416.00	418.00	Py00.5	416.00	417.00	N459717	1.00	0.044
		Pyrite 0.5%	417.00	418.00	N459718	1.00	0.054
		Eu-subhedral fg disseminated py.					
418.00	419.00	Py00.2; Cp00.05	418.00	419.00	N459719	1.00	0.026
		Pyrite 0.2%; Chalcopyrite 0.05%					
		Eu-subhedral fg disseminated py. Trace chalco.					
418.80	438.71	Vt;1%;Ca Qak;Ra;;;					
		veinlet (1-5 mm) 1% calcite quartz-ankerite random					
		Pinky-grey calcite veining with trace hematite as well as greyish-white to beige ankerite veinlets.					
419.00	436.00	Py00.2	419.00	420.00	N459720	1.00	0.016
		Pyrite 0.2%	420.00	421.00	N459721	1.00	0.019
		Eu-subhedral fg disseminated py.	421.00	422.00	N459722	1.00	0.013
			422.00	423.00	N459723	1.00	0.028
			423.00	424.00	N459724	1.00	0.008
			424.00	425.00	N459727	1.00	0.016
			425.00	426.00	N459728	1.00	0.027
			426.00	427.00	N459729	1.00	0.03
			427.00	428.00	N459730	1.00	0.039
			428.00	429.00	N459731	1.00	0.046

Description			Assay				
			From	To	Sample number	Length	AuBest
			429.00	430.00	N459732	1.00	0.01
			430.00	431.00	N459733	1.00	0.023
			431.00	432.00	N459734	1.00	0.021
			432.00	433.00	N459735	1.00	0.007
			433.00	434.00	N459736	1.00	0.023
			434.00	435.00	N459737	1.00	0.008
			435.00	436.00	N459738	1.00	0.01
			436.00	437.00	N459739	1.00	0.007
			437.00	438.00	N459740	1.00	0.005
			438.00	439.00	N459741	1.00	0.023
438.71	498.00	V4; Tuff **Trachyte 75°; TUFF** Med to dk green strongly chloritized tuffaceous unit. Fg groundmass. Fg to f-mg greyish white carbonated altered amorphous to rounded fragments. Moderate to strong selective magnetism. Weakly laminated. Sericite along planes. Weak carbonate alteration. Isolated pegmatitic veins of qtz-calcite-chl with trace incl of chalco. 1 pct pink calcite veining. Trace py.					
438.71	498.00	Cl03; Mgt02; Se01; Ank01; Ca01 **Chlorite 3; Magnetite 2; Sericite 1; Ankerite 1; Calcite 1** Intense pervasive chlorite with moderate to strong selective magnetite. Weak selective ankerite and isolated calcite.	439.00	440.00	N459742	1.00	0.005
			440.00	441.00	N459743	1.00	<0.005
			441.00	442.00	N459744	1.00	<0.005
			442.00	442.94	N459745	0.94	0.005
442.94	446.86	Vm;40%;Qcl;;;; **major vein (10 cm or greater) 40% quartz-chlorite** white to pink quartz with chlorite and minor ankerite in a crenulated vein system. Possible flow boundary. Pegmatitic. Trace chalcopyrite.	442.94	443.68	N459746	0.74	<0.005
443.00	443.80	Cp00.05 **Chalcopyrite 0.05%** Trace blelbs of chalco within veinlet.	443.68	444.40	N459747	0.72	<0.005
			444.40	444.86	N459748	0.46	<0.005
			444.86	445.40	N459749	0.54	<0.005
			445.40	446.00	N459752	0.60	0.005
			446.00	447.00	N459753	1.00	<0.005
			447.00	448.00	N459754	1.00	<0.005
			448.00	449.00	N459755	1.00	<0.005
			449.00	450.00	N459756	1.00	<0.005
			450.00	451.00	N459757	1.00	<0.005
451.00	452.00	Py00.2; Cp00.05 **Pyrite 0.2%; Chalcopyrite 0.05%** Eu-subhedral fg py conc within calcite veinlet with trace chalcopyrite.	451.00	452.00	N459758	1.00	0.005
			452.00	453.00	N459759	1.00	<0.005
			453.00	454.00	N459760	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			454.00	455.00	N459761	1.00	<0.005
455.00	456.00	Cp00.05	455.00	455.44	N459762	0.44	<0.005
		Chalcopyrite 0.05%	455.44	455.93	N459763	0.49	<0.005
		Trace blelbs of chalcopyrite within selected veinlets.					
455.55	461.20	Vm;35%;Qcl;;;;	455.93	457.00	N459764	1.07	<0.005
		major vein (10 cm or greater) 35%	457.00	458.00	N459765	1.00	<0.005
		white to pink k-felds and quartz with chlorite and ankerite. Mottled pegmatitic veins.	458.00	459.00	N459766	1.00	<0.005
459.00	460.72	Py; Py00.5	459.00	459.43	N459767	0.43	<0.005
		Pyrite; Pyrite 0.5%	459.43	460.30	N459768	0.87	<0.005
		trace fine grained disseminated	460.30	460.72	N459769	0.42	<0.005
			460.72	461.30	N459770	0.58	<0.005
			461.30	462.00	N459771	0.70	<0.005
462.00	474.00	Vt;1%;Ca;Ra;;;	462.00	463.00	N459772	1.00	<0.005
		veinlet (1-5 mm) 1% calcite random	463.00	464.00	N459773	1.00	<0.005
		Pinky calcite veinlets.	464.00	465.00	N459774	1.00	<0.005
			465.00	466.00	N459777	1.00	<0.005
			466.00	467.00	N459778	1.00	<0.005
			467.00	468.00	N459779	1.00	<0.005
			468.00	469.00	N459780	1.00	<0.005
			469.00	470.00	N459781	1.00	<0.005
			470.00	471.00	N459782	1.00	<0.005
			471.00	472.00	N459783	1.00	<0.005
			472.00	473.00	N459784	1.00	<0.005
			473.00	474.00	N459785	1.00	<0.005
474.00	484.55	Vm;10%;Qcc;Ra;;;	474.00	475.00	N459786	1.00	<0.005
		major vein (10 cm or greater) 10% quartz-calcite-chlorite random	475.00	476.00	N459787	1.00	<0.005
		Dk green to white and pink calcite-chl-qtz veining. Mottled and pegmatitic.	476.00	477.00	N459788	1.00	<0.005
			477.00	478.00	N459789	1.00	<0.005
			478.00	479.00	N459790	1.00	<0.005
			479.00	480.00	N459791	1.00	<0.005
			480.00	481.00	N459792	1.00	<0.005
			481.00	482.00	N459793	1.00	<0.005
			482.00	483.00	N459794	1.00	<0.005
			483.00	483.84	N459795	0.84	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			483.84	484.67	N459796	0.83	<0.005
			484.67	485.00	N459797	0.33	<0.005
			485.00	486.00	N459798	1.00	<0.005
			486.00	487.00	N459799	1.00	<0.005
			487.00	488.00	N459802	1.00	<0.005
			488.00	489.00	N459803	1.00	<0.005
			489.00	490.00	N459804	1.00	<0.005
			490.00	491.00	N459805	1.00	<0.005
			491.00	492.00	N459806	1.00	<0.005
			492.00	493.00	N459807	1.00	0.005
492.45	496.00	Vn;15%;Qcc;Ra;;;	493.00	494.00	N459808	1.00	<0.005
		vein (5 mm - 10 cm) 15% quartz-calcite-chlorite random	494.00	495.00	N459809	1.00	<0.005
		Pinky white to dk green qtz-calcite-chl veining. Mottled texture.	495.00	496.00	N459810	1.00	0.005
			496.00	497.00	N459811	1.00	<0.005
			497.00	498.00	N459812	1.00	<0.005
498.00	**End of DDH**						
	Number of samples: 509						
	Number of QAQC samples: 44						
	Total sampled length: 486.00						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_32

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Gilles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	14/02/2014	Description date:	19/02/2014
		To:	19/02/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 575.60 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,265.266
North	0.0	0.000	5,331,540.296
Elevation	0.0	0.000	339.725

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	60.00	2.9°	-53.3°	No	Mag = 54895
ReflexEZS	111.00	1.6°	-53.3°	No	Mag = 55054
ReflexEZS	162.00	1.2°	-53.1°	No	Mag = 55255; Data from Frank Ploeger
ReflexEZS	222.00	1.9°	-53.1°	No	Mag = 55195; Data from Frank Ploeger
ReflexEZS	285.00	359.4°	-52.4°	No	Mag = 54808; Data from Frank Ploeger
ReflexEZS	345.00	1.1°	-51.4°	No	Mag = 54903; Data from Frank Ploeger
ReflexEZS	405.00	0.7°	-50.8°	No	Mag = 54922; Data from Frank Ploeger
ReflexEZS	468.00	1.9°	-49.8°	No	Mag = 54955; Data from Frank Ploeger
ReflexEZS	528.00	1.3°	-47.6°	No	Mag = 54747; Data from Frank Ploeger

Description

Relogged by gilles Kamta August 25 -2014 End August 28 2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
45.00	59.00	V4; Per **Trachyte; PERLITIC** Massive greyish spotty red colored trachyte, fine grained, perlitic texture underline by masses of micro fractures. Some fractures are filled of dark chlorite or pyrite. The entire unit is moderately to strongly silicified with strong pervasive ankerite alteration, strong spotty potassic alteration. The lower unit (54-59 m) is weakly brecciated with a secondary quartz-calcite veins parallel to CA, spotty weak to moderate magnetism. It's mineralized 0.5-5% fine grained pyrite trace to 0.5 % chalcopyrite in fractures or veins.	45.00	46.00	I275424	1.00	1.13
45.00	54.00	Si03; K03; Ank03; Ox02; Se01; Cl01 **Silica 3; Potassic 3; Ankerite 3; Oxidation 2; Sericite 1; Chlorite 1** moderate to strong pervasive or spotty silica and potassic alteration, strong pervasvive ankerite, spotty oxidation specially in joints, localized sericite					
45.00	46.00	Py02 **Pyrite 2%** Fine grained pyrite disseminated.					
45.50	46.00	Jt **Joint 40°** joints with fractures					
46.00	47.00	Py02 **Pyrite 2%** Fine grained pyrite disseminated.	46.00	47.00	I275427	1.00	1.48
47.00	48.00	Py03 **Pyrite 3%** Pyrite striingers veinlets	47.00	48.00	I275428	1.00	9.98
48.00	49.00	Py05 **Pyrite 5%** Fine and euhedral pyrite disseminated.	48.00	49.00	I275429	1.00	24.7
49.00	50.00	Py05 **Pyrite 5%** Fine graine pyrite in veins, or closters pyrite irregulary disseminated.	49.00	50.00	I275430	1.00	1.41
50.00	51.00	Py02; Cp00.2 **Pyrite 2%; Chalcopyrite 0.2%** fine grained and euhedral pyrite disseminated	50.00	51.00	I275431	1.00	0.956
51.00	52.00	Py01 **Pyrite 1%** Fine grained and euhedral pyrite irregulary disseminated.	51.00	52.00	I275432	1.00	1.08
51.00	51.50	Vn;3%;Ak;In;30°;Py00.5; **vein (5 mm - 10 cm) 3% ankerite infilled fractures 30°** Many stringers, small veins 0.5 cm					

Description			Assay				
			From	To	Sample number	Length	AuBest
52.00	53.00	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** Fine grained and closters pyrite in fracture, chalcopyrite in veins and veinlets	52.00	53.00	I275433	1.00	2.28
53.00	54.00	Py02 **Pyrite 2%** Fine grained pyrite in fractures	53.00	54.00	I275434	1.00	7.31
54.00	56.00	K03; Si02; Ank02; Ox02; Se01; Cl01 **Potassic 3; Silica 2; Ankerite 2; Oxidation 2; Sericite 1; Chlorite 1** Strong potassic alteration, moderate pervasive silica and ankerite, moderate oxydation in joints, spotty sericite, weak stringers chlorite disseminated.					
54.00	57.00	Jt **Joint 50°** Joints associte with fractures and oxide					
54.00	55.00	Py01 **Pyrite 1%** fine grained pyrite in fracture, euhedral pyrite disseminated.					
54.00	57.00	Vt;3%;;In;;; **veinlet (1-5 mm) 3% infilled fractures**	54.00	55.00	I275435	1.00	1.27
55.00	56.00	Py01 **Pyrite 1%** fine grained pyrite disseminated	55.00	56.00	I275436	1.00	1.14
56.00	59.00	K03; Ank02; Si01; Se01; Cl01; Ca01 **Potassic 3; Ankerite 2; Silica 1; Sericite 1; Chlorite 1; Calcite 1** moderate to strong potassic alteration, pervasive ankerite, weak chlorite and sericite, calcite as flooding veins	56.00	57.00	I275437	1.00	0.153
56.00	57.00	Py01 **Pyrite 1%** fine and euhedral pyrite disseminated					
57.00	58.00	Py02; Cp00.5 **Pyrite 2%; Chalcopyrite 0.5%** fine grained pyrite infilled fractures, chalcopyrite in strigers veinlets.					
57.00	58.00	Vn;;Qca;In;10°;Py00.5 Cp00.5; **vein (5 mm - 10 cm) quartz-calcite infilled fractures 10° Pyrite 0.5% Chalcopyrite 0.5%** Infilled and flooding quartz calcite brecciated veins 2-3 cm.	57.00	58.00	I275438	1.00	0.107
58.00	59.00	Py03; Cp20.5 **Pyrite 3%; Chalcopyrite 20.5%** fine grained pyrite in fracture, chalopyrite in stringers veinlets.	58.00	59.00	I275439	1.00	0.064
59.00	184.60	V4; Tuff; FlBand; Fol **Trachyte 60°; TUFF; FLOWBANDED; Foliated** Greenish grey or Green olive, fine grained whitish spotted trachyte.The unit is a mixt of trachyte flow and lapilli	59.00	60.00	I275440	1.00	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		tuff intersections. The tuffacious unit is mark by weak filiation 50-70 DTCA or sub parallel CA and localized ductile deformations, Stretch marks or striae in whitish felspath phenos, crenulations and boudinages. The trachytic unit is underline by weak flow banding. The unit is intersect by quartz-ankerite veins. 30-80 DTCA. The entire unit is altered to moderate to strong chlorite, moderate to strong pervasive ankerite, spotty weak calcite (59-78 m), weak potassic alteration, spotty sericite the sericite alteration increase down hole. It's mineralized traces to 1% euhedral and fine grained pyrite locally as stringers or euhedral. Part of the unit is moderately to strongly magnetite.					
59.00	114.00	Ank03; Cl03; Se01; Ox01; Ca01 **Ankerite 3; Chlorite 3; Sericite 1; Oxidation 1; Calcite 1** Strong pervasive ankerite chlorite alteration localized oxydation in joints, weak spotty sericite, weak spotty calcite					
59.00	60.00	Py01 **Pyrite 1%** fine and euhedral mpyrite disseminated					
59.00	60.00	Vn;5%;Qca;In;60°;; **vein (5 mm - 10 cm) 5% quartz-calcite infilled fractures 60°** 2 cm infiled quartz ankerite veins localized vuggie					
59.25	59.35	FLT; Gg **Fault 40°; Fault gouge** greenish fault gouge in a fault,					
59.35	64.50	Fln **Foliation 40°** weak intermittant foliation					
60.00	61.00	Py00.2; Mg00.5 **Pyrite 0.2%; Magnetite 0.5%** traces of pyrite, euhedral dans sub euhedral magnetite	60.00	61.00	I275441	1.00	<0.005
61.00	62.00	Py00.2 **Pyrite 0.2%** traces of pyrite	61.00	62.00	I275442	1.00	0.037
62.00	63.00	Py00.2 **Pyrite 0.2%** traces of pyrite	62.00	63.00	I275443	1.00	<0.005
63.00	64.00	Py00.2 **Pyrite 0.2%** traces of pyrite	63.00	64.00	I275444	1.00	<0.005
64.00	65.00	Py00.2 **Pyrite 0.2%** traces of pyrite	64.00	65.00	I275445	1.00	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
65.00	66.00	Py00.2 **Pyrite 0.2%** traces of pyrite	65.00	66.00	I275446	1.00	0.005
66.00	67.00	Py00.2 **Pyrite 0.2%** traces of pyrite	66.00	67.00	I275447	1.00	<0.005
67.00	68.00	Py00.2 **Pyrite 0.2%** traces of pyrite	67.00	68.00	I275448	1.00	0.007
68.00	69.00	Py00.2 **Pyrite 0.2%** traces of pyrite	68.00	69.00	I275449	1.00	<0.005
69.00	70.00	Py00.2 **Pyrite 0.2%** traces of pyrite	69.00	70.00	I275452	1.00	0.011
70.00	71.00	Py00.2 **Pyrite 0.2%** traces of pyrite	70.00	71.00	I275453	1.00	0.013
71.00	72.00	Py00.2 **Pyrite 0.2%** traces of pyrite	71.00	72.00	I275454	1.00	0.005
72.00	73.00	Py00.2 **Pyrite 0.2%** traces of pyrite	72.00	73.00	I275455	1.00	<0.005
73.00	74.00	Py00.2 **Pyrite 0.2%** traces of pyrite	73.00	74.00	I275456	1.00	0.005
74.00	75.00	Py00.2 **Pyrite 0.2%** traces of pyrite	74.00	75.00	I275457	1.00	0.007
75.00	76.00	Py00.2 **Pyrite 0.2%** traces of pyrite	75.00	76.00	I275458	1.00	0.009
76.00	77.00	Py00.2 **Pyrite 0.2%** traces of pyrite	76.00	77.00	I275459	1.00	0.009
77.00	78.00	Py00.2 **Pyrite 0.2%** traces of pyrite	77.00	78.00	I275460	1.00	<0.005
78.00	80.00	Crn	78.00	79.00	I275461	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Crenulation					
		spotty crenulation and boudinage					
78.00	79.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
79.00	80.00	Py00.2	79.00	80.00	I275462	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
80.00	81.00	Py00.1	80.00	81.00	I275463	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
81.00	91.00	Fln	81.00	82.00	I275464	1.00	<0.005
		Foliation 40°					
		weak to moderate spotty foliation					
81.00	82.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
81.50	82.00	Vn;3%;Qcr;In;50°;;					
		vein (5 mm - 10 cm) 3% infilled fractures 50°					
		Infilled and flooding quartz-calcite veins, 1-2 cm					
82.00	83.00	Py00.1	82.00	83.00	I275465	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
83.00	84.00	Py00.1	83.00	84.00	I275466	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
83.00	83.50	Vt;3%;Qak;In;70°;;					
		veinlet (1-5 mm) 3% quartz-ankerite infilled fractures 70°					
		2cn infilled quartz ankerite veins					
84.00	85.00	Py00.1	84.00	85.00	I275467	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
85.00	86.00	Py00.1	85.00	86.00	I275468	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
86.00	87.00	Py00.1	86.00	87.00	I275469	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
87.00	88.00	Py00.1	87.00	88.00	I275470	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
88.00	89.00	Py00.1	88.00	89.00	I275471	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
89.00	90.00	Py00.1	89.00	90.00	I275472	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
90.00	91.00	Py00.1	90.00	91.00	I275473	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
91.00	92.00	Py00.1	91.00	92.00	I275474	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
92.00	93.00	Py00.1	92.00	93.00	I275477	1.00	0.005
		Pyrite 0.1%					
		traces of pyrite					
93.00	94.00	Crn					
		Crenulation					
		weak deformation, crenulation and boudinage					
93.00	94.00	Py00.1	93.00	94.00	I275478	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
94.00	95.00	Py00.1	94.00	95.00	I275479	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
95.00	96.00	Py00.1	95.00	96.00	I275480	1.00	0.006
		Pyrite 0.1%					
		traces of pyrite					
96.00	97.00	Py00.1	96.00	97.00	I275481	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
97.00	98.00	Py00.1	97.00	98.00	I275482	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
98.00	99.00	Py00.1	98.00	99.00	I275483	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
99.00	101.00	Fln	99.00	100.00	I275484	1.00	<0.005
		Foliation 5°					
		weak foliation					

Description			Assay				
			From	To	Sample number	Length	AuBest
99.00	100.00	Py00.1 **Pyrite 0.1%** traces of pyrite					
100.00	101.00	Py00.1 **Pyrite 0.1%** traces of pyrite	100.00	101.00	I275485	1.00	0.006
101.00	108.00	Fln **Foliation 40°** weak foliation 30-40 dgtca	101.00	102.00	I275486	1.00	<0.005
101.00	102.00	Py00.1 **Pyrite 0.1%** traces of pyrite					
102.00	103.00	Py00.1 **Pyrite 0.1%** traces of pyrite	102.00	103.00	I275487	1.00	0.007
103.00	104.00	Py00.1 **Pyrite 0.1%** traces of pyrite	103.00	104.00	I275488	1.00	<0.005
104.00	105.00	Py00.1 **Pyrite 0.1%** traces of pyrite	104.00	105.00	I275489	1.00	<0.005
105.00	106.00	Py00.1 **Pyrite 0.1%** traces of pyrite	105.00	106.00	I275490	1.00	<0.005
106.00	107.00	Py00.1 **Pyrite 0.1%** traces of pyrite	106.00	107.00	I275491	1.00	0.008
107.00	108.00	Py00.1 **Pyrite 0.1%** traces of pyrite	107.00	108.00	I275492	1.00	0.011
108.00	109.00	Py00.1 **Pyrite 0.1%** traces of pyrite					
108.00	112.50	Vn;5%;Qcr;In;70°;; **vein (5 mm - 10 cm) 5% quartz-carbonate infilled fractures 70°** Infilled deformed quartz-ankerite veins 1-2 cm	108.00	109.00	I275493	1.00	<0.005
109.00	110.00	Py00.1 **Pyrite 0.1%** traces of pyrite	109.00	110.00	I275494	1.00	<0.005
110.00	111.00	Py00.1	110.00	111.00	I275495	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
111.00	112.00	Py00.1	111.00	112.00	I275496	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
112.00	113.00	Py00.1	112.00	113.00	I275497	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
113.00	114.00	Py00.2	113.00	114.00	I275498	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
114.00	141.00	Ank03; Ca02; Se02; K01	114.00	115.00	I275499	1.00	<0.005
		Ankerite 3; Calcite 2; Sericite 2; Potassic 1					
		Strong pervasive ankerite, moderate to strong chlorite, weak spotty potassic					
114.00	115.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
115.00	116.00	Py00.2	115.00	116.00	I276052	1.00	0.009
		Pyrite 0.2%					
		traces of pyrite					
116.00	117.00	Py00.5; Cp00.2	116.00	117.00	I276053	1.00	<0.005
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Fine grained pyrite disseminated, chalcopyrite in veins					
116.57	116.62	Vn;70%;Qak;In;80°;;					
		vein (5 mm - 10 cm) 70% quartz-ankerite infilled fractures 80°					
		quartz-ankerite veins					
117.00	118.00	Py00.2	117.00	118.00	I276054	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
118.00	119.00	Py00.2	118.00	119.00	I276055	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
119.00	124.00	Fln; DZ	119.00	120.00	I276056	1.00	<0.005
		Foliation 5°; Deformation Zone					
		weak deformation zone pleated, sub // CA o					
119.00	120.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
120.00	121.00	Py00.2	120.00	121.00	I276057	1.00	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
121.00	122.00	Py00.5	121.00	122.00	I276058	1.00	<0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
121.90	122.10	Vn;70%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 70% quartz-ankerite infilled fractures 40°					
		Pinkish quartz-carbonates					
122.00	123.00	Py00.7	122.00	123.00	I276059	1.00	<0.005
		Pyrite 0.7%					
		Pyrite fine or euhedral stringers veinlets,					
123.00	124.00	Py00.2	123.00	124.00	I276060	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
124.00	156.00	Fln	124.00	125.00	I276061	1.00	<0.005
		Foliation 40°					
		weak to Moderate foliation 30-50 dg/CA					
124.00	125.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
125.00	126.00	Py00.2	125.00	126.00	I276062	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
126.00	127.00	Py00.2	126.00	127.00	I276063	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
126.60	126.70	Vn;100%;Qak;In;60°;Py00.2;					
		vein (5 mm - 10 cm) 100% quartz-ankerite infilled fractures 60° Pyrite 0.2%					
		quartz-ankerite 10 cm fine grained pyrite					
127.00	128.00	Py00.2	127.00	128.00	I276064	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
128.00	129.00	Py00.2	128.00	129.00	I276065	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
129.00	130.00	Py00.2	129.00	130.00	I276066	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
130.00	131.00	Py00.5; Cp00.2					
		Pyrite 0.5%; Chalcopyrite 0.2%					
		traces of pyrite, traces of chalcopyrite in veins					

Description			Assay				
			From	To	Sample number	Length	AuBest
130.00	140.00	Vn;10%;Qak;In;40°;Py00.1; **vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 40° Pyrite 0.1%** Reddish quartz ankerite veins, traces of pyrite	130.00	131.00	I276067	1.00	0.024
131.00	132.00	Py00.5 **Pyrite 0.5%** fine and euhedral pyrite	131.00	132.00	I276068	1.00	0.011
132.00	133.00	Py00.7 **Pyrite 0.7%** euhedral and fine grained pyrite(stingers)	132.00	133.00	I276069	1.00	0.01
133.00	134.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	133.00	134.00	I276070	1.00	<0.005
134.00	135.00	Py00.2 **Pyrite 0.2%** traces of pyrite	134.00	135.00	I276071	1.00	<0.005
135.00	136.00	Py00.2; Cp00.2 **Pyrite 0.2%; Chalcopyrite 0.2%** Traces of pyrite and chalcopyrite	135.00	136.00	I276072	1.00	<0.005
136.00	137.00	Py00.2 **Pyrite 0.2%** traces of pyrite	136.00	137.00	I276073	1.00	0.007
137.00	138.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	137.00	138.00	I276074	1.00	<0.005
138.00	139.00	Py00.7 **Pyrite 0.7%** euhedral and fine grained pyrite	138.00	139.00	I276077	1.00	<0.005
139.00	140.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	139.00	140.00	I276078	1.00	0.006
140.00	141.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	140.00	141.00	I276079	1.00	<0.005
141.00	207.00	Ank03; Se03; Cl02 **Ankerite 3; Sericite 3; Chlorite 2** strong pervassive sericite ankerite alteration, moderate chlorite	141.00	142.00	I276080	1.00	0.007
141.00	142.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated					
142.00	143.00	Py00.5	142.00	143.00	I276081	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
143.00	144.00	Py00.7	143.00	144.00	I276082	1.00	0.007
		Pyrite 0.7%					
		fine grained pyrite and closters pyrite disseminated					
144.00	145.00	Py00.5	144.00	145.00	I276083	1.00	0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated					
145.00	146.00	Py00.7	145.00	146.00	I276084	1.00	0.055
		Pyrite 0.7%					
		stringers, euhedral and fine grained pyrite disseminated					
146.00	147.00	Py00.5	146.00	147.00	I276085	1.00	0.026
		Pyrite 0.5%					
		fine to euhedral pyrite disseminated.					
146.15	146.37	Vn;95%;Sgq Ak;In;70°;Py00.1;					
		vein (5 mm - 10 cm) 95% smoky grey quartz ankerite infilled fractures 70° Pyrite 0.1%					
		smoky grey quartz ankerite veins 20 cm with trace of pyrite					
146.50	147.50	Vn;2%;Sgq;In;60°;;					
		vein (5 mm - 10 cm) 2% smoky grey quartz infilled fractures 60°					
		0.5-2 cm smoky grey quartz veins					
147.00	148.00	Py00.5	147.00	148.00	I276086	1.00	0.015
		Pyrite 0.5%					
		fine grained pyrite disseminated					
148.00	149.00	Py00.5	148.00	149.00	I276087	1.00	0.009
		Pyrite 0.5%					
		fine grained and closters pyrite disseminated					
149.00	150.00	Py00.2	149.00	150.00	I276088	1.00	0.008
		Pyrite 0.2%					
		traces of pyrite					
150.00	151.00	Py00.5	150.00	151.00	I276089	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
151.00	152.00	Py00.2	151.00	152.00	I276090	1.00	0.015
		Pyrite 0.2%					
		traces of pyrite					
152.00	153.00	Py00.1	152.00	153.00	I276091	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
152.60	152.70	Vn;80%;Sgq;In;70°;;					
		vein (5 mm - 10 cm) 80% smoky grey quartz infilled fractures 70°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Infilled smoky grey quartz veins (sericite).					
153.00	154.00	Py00.5	153.00	154.00	I276092	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
154.00	155.00	Py00.5	154.00	155.00	I276093	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite					
155.00	156.00	Py00.5	155.00	156.00	I276094	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
156.00	160.50	Fln	156.00	157.00	I276095	1.00	<0.005
		Foliation 5°					
		weak to moderate foliation					
156.00	157.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
157.00	158.00	Py00.2	157.00	158.00	I276096	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
158.00	159.00	Py00.2	158.00	159.00	I276097	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
159.00	160.00	Py00.2	159.00	160.00	I276098	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
160.00	161.00	Py00.2	160.00	161.00	I276099	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
160.50	162.00	Fln					
		Foliation 50°					
		weak foliation					
161.00	162.00	Py00.2	161.00	162.00	I276102	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
162.00	177.00	Fln	162.00	163.00	I276103	1.00	0.023
		Foliation 5°					
		weak to moderate foliation					
162.00	163.00	Py00.5					
		Pyrite 0.5%					
		clusters and fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
163.00	164.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	163.00	164.00	I276104	1.00	<0.005
164.00	165.00	Py00.5 **Pyrite 0.5%** cluster and fine grained pyrite disseminated	164.00	165.00	I276105	1.00	0.006
165.00	166.00	Py00.2 **Pyrite 0.2%** traces of pyrite	165.00	166.00	I276106	1.00	<0.005
166.00	167.10	Py00.2 **Pyrite 0.2%** fine grained pyrite disseminated					
166.00	167.10	Vn;95%;Qak;Sk;;Py00.2; **vein (5 mm - 10 cm) 95% quartz-ankerite stockwork Pyrite 0.2%** stockwork of quartz veins with traces of pyrite	166.00	167.10	I276107	1.10	<0.005
167.10	168.00	Py00.2 **Pyrite 0.2%** fine grained pyrite disseminated	167.10	168.00	I276108	0.90	0.009
168.00	169.00	Py00.2 **Pyrite 0.2%** traces of pyrite	168.00	169.00	I276109	1.00	0.007
169.00	170.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	169.00	170.00	I276110	1.00	0.005
169.60	169.75	Vn;80%;Qak;In;80°;; **vein (5 mm - 10 cm) 80% quartz-ankerite infilled fractures 80°** infilled quartz-ankerite					
170.00	171.00	Py00.2 **Pyrite 0.2%** traces of pyrite	170.00	171.00	I276111	1.00	<0.005
171.00	172.00	Py00.7 **Pyrite 0.7%** stringers pyrite and fine grained pyrite disseminated	171.00	172.00	I276112	1.00	<0.005
172.00	173.00	Py01 **Pyrite 1%** fine grained pyrite disseminated	172.00	173.00	I276113	1.00	0.006
173.00	174.00	Py00.2 **Pyrite 0.2%** fine grained pyrite	173.00	174.00	I276114	1.00	<0.005
174.00	175.00	Py00.5	174.00	175.00	I276115	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine grained pyrite disseminated					
175.00	176.00	Py00.7	175.00	176.00	I276116	1.00	0.009
		Pyrite 0.7%					
		stringers and fine grained pyrite disseminated					
176.00	177.00	Py01	176.00	177.00	I276117	1.00	0.01
		Pyrite 1%					
		Fine grained pyrite and stringers pyrite					
177.00	184.60	Fln	177.00	178.00	I276118	1.00	0.005
		Foliation 40°					
		moderate foliation					
177.00	178.00	Py00.5					
		Pyrite 0.5%					
		closter pyrite disseminated					
178.00	179.00	Py00.5	178.00	179.00	I276119	1.00	0.007
		Pyrite 0.5%					
		fine grained pyrite disseminated					
179.00	180.00	Py00.5	179.00	180.00	I276120	1.00	0.009
		Pyrite 0.5%					
		fine grained pyrite disseminated					
180.00	181.00	Py00.5	180.00	181.00	I276121	1.00	0.006
		Pyrite 0.5%					
		fine grained pyrite disseminated					
181.00	182.00	Py00.5	181.00	182.00	I276122	1.00	0.028
		Pyrite 0.5%					
		traces of pyrite					
182.00	183.00	Py00.5	182.00	183.00	I276123	1.00	0.029
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
183.00	184.00	Py00.5	183.00	184.00	I276124	1.00	0.033
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
184.00	185.00	Py00.5	184.00	185.00	I276127	1.00	0.035
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
184.60	206.90	V4; Tuff; Lithic					
		Trachyte; TUFF; LITHIC					
		Yellowy green/ (Olive), fine grained trachyte tuff. The unit is a mixt of fragments of different size pyroclastic or lithic 2-20 cm. The fragments are sub angular or elongate. Include highly vesicular zones with disseminated pyrite, regular fragments of pumice, and trachyte fragments. The ground mass is altered to strong pervasive					

Description			Assay				
			From	To	Sample number	Length	AuBest
		sericite and ankerite. It's mineralized traces to 1% fine grained pyrite. The lower contact is gradational					
185.00	186.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	185.00	186.00	I276128	1.00	0.034
186.00	187.00	Py00.2 **Pyrite 0.2%** traces	186.00	187.00	I276129	1.00	0.021
187.00	188.00	Py00.2 **Pyrite 0.2%** traces	187.00	188.00	I276130	1.00	0.018
188.00	189.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite disseminated	188.00	189.00	I276131	1.00	0.013
189.00	190.00	Py00.2 **Pyrite 0.2%** traces	189.00	190.00	I276132	1.00	0.013
190.00	191.00	Py00.2 **Pyrite 0.2%** traces	190.00	191.00	I276133	1.00	0.008
191.00	192.00	Py00.7 **Pyrite 0.7%** Fine grained and euhedral pyrite in a strongly sericitized fragments	191.00	192.00	I276134	1.00	0.01
192.00	193.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	192.00	193.00	I276135	1.00	0.008
193.00	194.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	193.00	194.00	I276136	1.00	0.008
194.00	195.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	194.00	195.00	I276137	1.00	0.011
195.00	196.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	195.00	196.00	I276138	1.00	0.01
196.00	197.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	196.00	197.00	I276139	1.00	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
197.00	198.00	Py00.2 **Pyrite 0.2%** traces	197.00	198.00	I276140	1.00	0.009
198.00	199.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	198.00	199.00	I276141	1.00	0.005
199.00	200.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	199.00	200.00	I276142	1.00	<0.005
200.00	201.00	Py00.5 **Pyrite 0.5%** fine grained diss py 0.5% visible	200.00	201.00	I276143	1.00	0.006
201.00	202.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	201.00	202.00	I276144	1.00	0.007
202.00	203.00	Py00.2 **Pyrite 0.2%** traces	202.00	203.00	I276145	1.00	0.005
203.00	204.00	Py00.2 **Pyrite 0.2%** traces	203.00	204.00	I276146	1.00	<0.005
204.00	205.00	Py00.5 **Pyrite 0.5%** Clusters and fine grained pyrite disseminated	204.00	205.00	I276147	1.00	0.008
205.00	206.15	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	205.00	206.15	I276148	1.15	<0.005
206.15	207.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	206.15	207.00	I276149	0.85	<0.005
206.90	420.00	V4; Tuff; FlBand; Fol **Trachyte; TUFF; FLOWBANDED; Foliated** Greenish grey with olive colour (206.9 - 237 m) trachyte tuff . Fine grained with some whitish felspath phenos disseminated or elongate // to the moderate foliation 30-60 DTCA.. Localized agglomerated felspath phenos. The unit is intersect by secondary whitish or pinkish quartz-ankerite veins 0.5-10 cm. Weak deformation are observed 244-249 m (stretching -crenulations in thin layers).The alteration consist of moderate to strong pervasive ankerite and sericite, weak to moderate chlorite (the chlorite become intense down hole). Spotty moderate to weak magnetite 243-251 m. traces of epidote.The entire unit is mineralized traces to 0.5% euhedral and fiune grained pyrite disseminated.					

Description			Assay				
			From	To	Sample number	Length	AuBest
206.90	244.00	Fln					
		Foliation 40°					
		30-50 dg/CA					
207.00	237.00	Se02; Ank02; Cl02	207.00	208.00	I276152	1.00	0.006
		Sericite 2; Ankerite 2; Chlorite 2					
		Moderate sericite-ankerite-chlorite					
207.00	208.00	Py00.5					
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
208.00	209.00	Py00.5	208.00	209.00	I276153	1.00	<0.005
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
209.00	210.00	Py00.2	209.00	210.00	I276154	1.00	<0.005
		Pyrite 0.2%					
		traces					
210.00	211.00	Py00.2	210.00	211.00	I276155	1.00	<0.005
		Pyrite 0.2%					
		traces					
211.00	212.00	Py00.2	211.00	212.00	I276156	1.00	<0.005
		Pyrite 0.2%					
		traces					
212.00	213.00	Py00.2	212.00	213.00	I276157	1.00	<0.005
		Pyrite 0.2%					
		traces					
213.00	214.00	Py00.5	213.00	214.00	I276158	1.00	0.005
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
214.00	215.00	Py01	214.00	215.00	I276159	1.00	0.005
		Pyrite 1%					
		Fine grained and euhedral pyrite disseminated					
215.00	216.00	Py00.5	215.00	216.00	I276160	1.00	<0.005
		Pyrite 0.5%					
		Fine grained and euhedral pyrite disseminated					
216.00	217.00	Py00.5	216.00	217.00	I276161	1.00	0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
217.00	218.00	Py00.5	217.00	218.00	I276162	1.00	0.007
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
218.00	219.00	Py00.2 **Pyrite 0.2%** Fine grained and euhedral pyrite	218.00	219.00	I276163	1.00	0.007
219.00	220.00	Py00.2 **Pyrite 0.2%** traces	219.00	220.00	I276164	1.00	<0.005
220.00	221.00	Py00.2 **Pyrite 0.2%** traces	220.00	221.00	I276165	1.00	<0.005
220.20	220.55	Vn;70%;Qak;In;60°;; **vein (5 mm - 10 cm) 70% quartz-ankerite infilled fractures 60°** Quartz ankerite veins 1-7 cm 50-70 dtca.					
221.00	222.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	221.00	222.00	I276166	1.00	<0.005
222.00	223.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	222.00	223.00	I276167	1.00	<0.005
223.00	224.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	223.00	224.00	I276168	1.00	0.008
224.00	225.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	224.00	225.00	I276169	1.00	0.005
225.00	226.00	Py01 **Pyrite 1%** Fine grained and euhedral pyrite disseminated	225.00	226.00	I276170	1.00	<0.005
226.00	227.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	226.00	227.00	I276171	1.00	<0.005
227.00	228.00	Py00.7 **Pyrite 0.7%** Fine grained and euhedral pyrite fine grained pyrite	227.00	228.00	I276172	1.00	<0.005
228.00	229.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	228.00	229.00	I276173	1.00	<0.005
229.00	230.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite	229.00	230.00	I276174	1.00	0.018
230.00	231.00	Py00.5	230.00	231.00	I276177	1.00	0.023

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
231.00	232.00	Py00.5	231.00	232.00	I276178	1.00	0.005
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
232.00	233.00	Py00.5	232.00	233.00	I276179	1.00	<0.005
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
233.00	234.00	Py00.5	233.00	234.00	I276180	1.00	<0.005
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
234.00	235.00	Py00.7	234.00	235.00	I276181	1.00	<0.005
		Pyrite 0.7%					
		Fine grained and euhedral pyrite, veinlet and stringers pyrite					
235.00	236.00	Py00.7	235.00	236.00	I276182	1.00	<0.005
		Pyrite 0.7%					
		Veinlets, fine grained and euhedral pyrite					
236.00	237.00	Py00.7	236.00	237.00	I276183	1.00	<0.005
		Pyrite 0.7%					
		Fine grained and euhedral pyrite					
237.00	249.30	Ank03; Cl02; Se02; K02	237.00	238.00	I276184	1.00	0.006
		Ankerite 3; Chlorite 2; Sericite 2; Potassic 2					
		Strong pervasive ankerite alteration, moderate pervasive ankerite sericite potassic.					
237.00	238.00	Py00.5					
		Pyrite 0.5%					
		Pyrite veinlets and euhedral pyrite disseminated					
238.00	239.00	Py00.2	238.00	239.00	I276185	1.00	<0.005
		Pyrite 0.2%					
		traces					
239.00	240.00	Py00.2	239.00	240.00	I276186	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
240.00	241.00	Py00.2	240.00	241.00	I276187	1.00	<0.005
		Pyrite 0.2%					
		traces					
241.00	242.00	Py00.2	241.00	242.00	I276188	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
242.00	243.00	Py00.2	242.00	243.00	I276189	1.00	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
243.00	243.85	Py00.2; Mg00.2	243.00	243.85	I276190	0.85	<0.005
		Pyrite 0.2%; Magnetite 0.2%					
		traces of pyrite and magnetite					
243.30	244.10	Vn;70%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 70% quartz-ankerite infilled fractures 70°					
		infilled reddish quartz-ankerite veins 5-8 cm					
243.85	245.00	Py00.2; Mg	243.85	245.00	I276191	1.15	<0.005
		Pyrite 0.2%; Magnetite					
		Traces of pyrite and magnetite					
244.00	249.00	Fln; DZ					
		Foliation 10°; Deformation Zone					
		Foliation and weak derformation zone					
245.00	246.00	Py00.5; Mg00.2	245.00	246.00	I276192	1.00	<0.005
		Pyrite 0.5%; Magnetite 0.2%					
		Fine grained and euhedral pyrite and magnetite					
246.00	247.00	Py00.2; Mg00.5	246.00	247.00	I276193	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		Trace of pyrite, euhedral magnetite					
247.00	248.00	Py00.2; Mg00.5	247.00	248.00	I276194	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
248.00	248.60	Py00.2	248.00	248.60	I276195	0.60	<0.005
		Pyrite 0.2%					
		traces of pyrite					
248.60	249.30	Py00.5					
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
248.60	249.30	Vn;50%;Qak;Fl;;;	248.60	249.30	I276196	0.70	<0.005
		vein (5 mm - 10 cm) 50% quartz-ankerite flooding					
		flooding reddish quartz ankerite veins with traces of pyrite					
249.00	252.00	Fln					
		Foliation 40°					
		weak to moderate pervasive foliation					
249.30	251.00	Ank03; Se02; Cl02; K01	249.30	250.00	I276197	0.70	<0.005
		Ankerite 3; Sericite 2; Chlorite 2; Potassic 1					
		Strong ankerite alteration, moderate chlorite sericite alteration, spotty potassic alteration.					
249.30	250.00	Py00.2; Mg02					
		Pyrite 0.2%; Magnetite 2%					
		traces of pyrite, traces of magnetite					

Description			Assay				
			From	To	Sample number	Length	AuBest
250.00	251.00	Py00.5	250.00	251.00	I276198	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
250.00	250.20	Vm;95%;Qak;In;;;					
		major vein (10 cm or greater) 95% quartz-ankerite infilled fractures					
		Flooding quartz ankerite veins 20 cm with chlorite and sericite.					
251.00	270.00	Ank03; Se03; Cl02	251.00	252.00	I276199	1.00	<0.005
		Ankerite 3; Sericite 3; Chlorite 2					
		Strong pervasive ankerite-sericite alteration, moderate chlorite					
251.00	252.00	Py00.5					
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
252.00	257.20	Fln	252.00	253.00	I276202	1.00	0.006
		Foliation 40°					
		Moderate pervasive foliation					
252.00	253.00	Py00.5					
		Pyrite 0.5%					
		cluster pyrite disseminated					
253.00	254.00	Py00.5	253.00	254.00	I276203	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
254.00	255.00	Py00.5	254.00	255.00	I276204	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
255.00	256.00	Py00.5	255.00	256.00	I276205	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
256.00	257.00	Py00.5	256.00	257.00	I276206	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
257.00	258.00	Py00.5	257.00	258.00	I276207	1.00	0.009
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
257.20	260.30	Fln					
		Foliation 30°					
		Weak to moderate foliation 10-30 dtca					
258.00	259.00	Py00.7	258.00	259.00	I276208	1.00	0.006
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
259.00	260.00	Py00.7	259.00	260.00	I276209	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
260.00	261.00	Py00.7	260.00	261.00	I276210	1.00	<0.005
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
260.30	281.50	Fln					
		Foliation 40°					
		moderate foliation					
261.00	262.00	Py00.7	261.00	262.00	I276211	1.00	<0.005
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
262.00	263.00	Py00.5	262.00	263.00	I276212	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
263.00	264.00	Py00.7	263.00	264.00	I276213	1.00	<0.005
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
264.00	265.00	Py01	264.00	265.00	I276214	1.00	<0.005
		Pyrite 1%					
		Euhedral and closters pyrite disseminated.					
265.00	266.00	Py00.7	265.00	266.00	I276215	1.00	<0.005
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
266.00	267.00	Py00.7	266.00	267.00	I276216	1.00	<0.005
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
267.00	268.00	Py00.7	267.00	268.00	I276217	1.00	0.008
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
268.00	269.00	Py00.7	268.00	269.00	I276218	1.00	0.011
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
269.00	269.80	Py00.7	269.00	269.80	I276219	0.80	0.021
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
269.80	271.00	Py01	269.80	271.00	I276220	1.20	<0.005
		Pyrite 1%					
		Euhedral, closters and fine grained pyrite disseminated.					
270.00	319.00	Ank03; Se02; Cl02; K02					
		Ankerite 3; Sericite 2; Chlorite 2; Potassic 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		strong pervasive ankerite, moderate sericite-chlorite aleration, spotty moderate to string potassic aleration					
270.00	273.00	Vn;10%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 40°					
		Reddish infilled and flooding quartz ankerite veins 0.5-7 cm 20-60 dg/CA					
271.00	272.00	Py00.5	271.00	272.00	I276221	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
272.00	273.00	Py00.7	272.00	273.00	I276222	1.00	0.011
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
273.00	274.00	Py00.7	273.00	274.00	I276223	1.00	0.028
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
274.00	275.00	Py00.7	274.00	275.00	I276224	1.00	0.029
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
275.00	276.00	Py00.7	275.00	276.00	I276227	1.00	0.062
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
276.00	277.00	Py00.5	276.00	277.00	I276228	1.00	0.006
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
277.00	278.00	Py00.7	277.00	278.00	I276229	1.00	0.005
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
278.00	279.00	Py00.5	278.00	279.00	I276230	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
279.00	280.00	Py00.5	279.00	280.00	I276231	1.00	0.011
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
280.00	281.00	Py02	280.00	281.00	I276232	1.00	0.055
		Pyrite 2%					
		Euhedral, closters and fine grained pyrite disseminated.					
281.00	282.00	Py01	281.00	282.00	I276233	1.00	0.066
		Pyrite 1%					
		Fine graine pyrite(chlorite stringers veinlets)					
281.50	283.30	Bxh; Fln					
		Breccia healed; Foliation 30°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Brecciated (fragments in chlorite veins)					
282.00	282.50	Py01	282.00	282.50	I276234	0.50	<0.005
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
282.30	282.35	Vn;95%;Qak;In;80°;;					
		vein (5 mm - 10 cm) 95% quartz-ankerite infilled fractures 80°					
		Infilled quartz ankerite vein					
282.50	283.30	Py01	282.50	283.30	I276235	0.80	0.011
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
283.30	315.00	Fln; DZ	283.30	284.00	I276236	0.70	0.016
		Foliation 20°; Deformation Zone					
		weakly deformed zone with weak foliation / flow bending.					
283.30	284.00	Py01					
		Pyrite 1%					
		Euhedral and fine grained pyrite as stringers or disseminated.					
284.00	285.00	Py01	284.00	285.00	I276237	1.00	0.008
		Pyrite 1%					
		Euhedral and fine grained pyrite as stringers or disseminated.					
285.00	286.00	Py00.2	285.00	286.00	I276238	1.00	0.005
		Pyrite 0.2%					
		traces of pyrite					
286.00	287.00	Py00.5	286.00	287.00	I276239	1.00	0.023
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
287.00	288.00	Py00.7	287.00	288.00	I276240	1.00	0.023
		Pyrite 0.7%					
		Euhedral and fine grained pyrite as stringers or disseminated.					
288.00	289.00	Py00.7	288.00	289.00	I276241	1.00	0.024
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
289.00	290.00	Py00.7	289.00	290.00	I276242	1.00	0.028
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
290.00	291.00	Py00.5	290.00	291.00	I276243	1.00	0.049
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
291.00	292.00	Py00.7					
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					

Description			Assay				
			From	To	Sample number	Length	AuBest
291.00	292.00	Vn;10%;Qak;In;80°;;	291.00	292.00	I276244	1.00	0.04
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 80°					
		Quartz ankerite veins 80 dgtca					
292.00	293.00	Py00.7	292.00	293.00	I276245	1.00	0.027
		Pyrite 0.7%					
		Euhedral and fine grained pyrite disseminated.					
292.50	293.70	Vm;20%;Qak;In;70°;Py00.5;					
		major vein (10 cm or greater) 20% quartz-ankerite infilled fractures 70° Pyrite 0.5%					
		Infilled 2-30 cm quartz-ankerite veins with stringers pyrite					
293.00	293.80	Py00.5	293.00	293.80	I276246	0.80	0.041
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
293.80	294.20	Py00.5	293.80	294.20	I276247	0.40	0.012
		Pyrite 0.5%					
		Pyrite ine a quartz veins					
293.80	294.10	Vn;80%;Qak;In;80°;Py00.5;					
		vein (5 mm - 10 cm) 80% quartz-ankerite infilled fractures 80° Pyrite 0.5%					
		Infilled quartz-ankerite veins with chlorite and traces of pyrite.					
294.20	295.00	Py00.5	294.20	295.00	I276248	0.80	0.042
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
294.68	295.10	Vn;10%;Qak;In;60°;Py00.5;					
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 60° Pyrite 0.5%					
		Infilled pinkish quartz ankerite veins.					
295.00	296.00	Py00.5	295.00	296.00	I276249	1.00	0.017
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
296.00	297.00	Py00.5	296.00	297.00	I276252	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
297.00	298.00	Py00.5	297.00	298.00	I276253	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
298.00	299.00	Py01	298.00	299.00	I276254	1.00	<0.005
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
299.00	300.00	Py01	299.00	300.00	I276255	1.00	<0.005
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
300.00	301.00	Py01	300.00	301.00	I276256	1.00	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
301.00	302.00	Py00.5	301.00	302.00	I276257	1.00	0.009
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
302.00	303.00	Py00.5	302.00	303.00	I276258	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
303.00	304.00	Py00.5	303.00	304.00	I276259	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
304.00	305.00	Py00.5	304.00	305.00	I276260	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
305.00	306.00	Py00.5	305.00	306.00	I276261	1.00	0.013
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
306.00	307.00	Py00.5	306.00	307.00	I276262	1.00	0.027
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
307.00	308.00	Py00.5	307.00	308.00	I276263	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
308.00	309.00	Py00.5	308.00	309.00	I276264	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
309.00	310.00	Py01	309.00	310.00	I276265	1.00	0.007
		Pyrite 1%					
		Cloaters, euhedral and fine grained pyrite disseminated.					
310.00	311.00	Py00.5	310.00	311.00	I276266	1.00	<0.005
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
311.00	312.00	Py00.7; Cp00.2	311.00	312.00	I276267	1.00	0.007
		Pyrite 0.7%; Chalcopyrite 0.2%					
		Euhedral and fine grained pyrite disseminated, traces of chalcopyrite					
311.80	312.00	Vm;90%;Qak;In;70°;;					
		major vein (10 cm or greater) 90% quartz-ankerite infilled fractures 70°					
		infilled quartz-ankerite 20 cm					
312.00	313.00	Py00.5					
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Euhedral and fine grained pyrite disseminated.					
312.00	320.00	Vn;5%;Qak;In;80°;Py00.2;	312.00	313.00	I276268	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 80° Pyrite 0.2%					
		quartz-ankerite infilled veins and veinlets					
313.00	314.00	Py00.5	313.00	314.00	I276269	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
314.00	315.00	Py01	314.00	315.00	I276270	1.00	0.008
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
315.00	319.00	Fln; Crn; DZ	315.00	316.00	I276271	1.00	0.008
		Foliation 5°; Crenulation; Deformation Zone					
		Weakly derformed zone with crenulations and weak foliation? sub // Ca					
315.00	316.00	Py01					
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
316.00	317.00	Py01	316.00	317.00	I276272	1.00	0.006
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated.					
317.00	318.00	Py01	317.00	318.00	I276273	1.00	<0.005
		Pyrite 1%					
		closter pyrite disseminated					
318.00	319.00	Py00.5	318.00	319.00	I276274	1.00	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
319.00	400.15	Ank03; Se03; Cl02	319.00	320.00	I276277	1.00	<0.005
		Ankerite 3; Sericite 3; Chlorite 2					
		Strong ankerite-sericite alteration, chlorite					
319.00	320.00	Py00.5					
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated.					
320.00	328.00	V4MTLa; Fol; V4Ma	320.00	321.00	I276278	1.00	0.008
		Trachyte mafic tuff lapilli altered; Foliated; Trachyte mafic altered					
		Fine grained altered mafic trachyte weak to moderate silicification, patchy sericite, somes quartz					
		carbonates veins and veinlets 70-80 dg					
320.00	321.00	Py00.5					
		Pyrite 0.5%					
		Euhedral and fine grained pyrite					
321.00	322.00	Py00.5	321.00	322.00	I276279	1.00	0.016
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Euhedral and fine grained pyrite					
322.00	323.00	Py00.7	322.00	323.00	I276280	1.00	0.012
		Pyrite 0.7%					
		fine grained and euhedral pyrite disseminated					
323.00	324.00	Py00.7	323.00	324.00	I276281	1.00	0.008
		Pyrite 0.7%					
		Stringers and euhedral and fine grained pyrite,					
324.00	325.00	Py00.5	324.00	325.00	I276282	1.00	0.013
		Pyrite 0.5%					
		fine grained pyrite disseminated					
325.00	326.00	Py00.5	325.00	326.00	I276283	1.00	0.011
		Pyrite 0.5%					
		fine grained pyrite disseminated					
326.00	327.00	Py00.5	326.00	327.00	I276284	1.00	0.011
		Pyrite 0.5%					
		Closter and euhedral pyrite disseminated					
327.00	328.00	Py00.5	327.00	328.00	I276285	1.00	0.01
		Pyrite 0.5%					
		fine grained pyrite disseminated					
328.00	332.00	Fln	328.00	329.00	I276286	1.00	<0.005
		Foliation 40°					
		moderate foliation					
328.00	329.00	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
329.00	330.00	Py00.5	329.00	330.00	I276287	1.00	0.006
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated					
330.00	331.00	Py00.5	330.00	331.00	I276288	1.00	<0.005
		Pyrite 0.5%					
		Fine grained and euhedral pyrite disseminated					
331.00	332.00	Py00.5	331.00	332.00	I276289	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
332.00	338.00	Fln; Crn	332.00	333.00	I276290	1.00	<0.005
		Foliation 3°; Crenulation					
		weak to moderate foliation					
332.00	333.00	Py00.5					
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
332.00	332.50	Vn;50%;Qak;In;70°;Py00.2; **vein (5 mm - 10 cm) 50% quartz-ankerite infilled fractures 70° Pyrite 0.2%** infilled quartz-ankerite, traces of pyrite.					
333.00	334.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated	333.00	334.00	I276291	1.00	<0.005
334.00	335.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	334.00	335.00	I276292	1.00	0.019
334.50	335.50	Vn;3%;Qak;In;80°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 80°** infilled quartz-ankerite veins with traces of pyrite					
335.00	336.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	335.00	336.00	I276293	1.00	0.007
336.00	337.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated	336.00	337.00	I276294	1.00	0.008
337.00	338.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite	337.00	338.00	I276295	1.00	0.008
338.00	348.60	Fln **Foliation 50°** moderate to strong foliation	338.00	339.00	I276296	1.00	<0.005
338.00	339.00	Py00.2 **Pyrite 0.2%** traces of pyrite					
339.00	340.00	Py00.2 **Pyrite 0.2%** fine grained pyrite disseminated	339.00	340.00	I276297	1.00	<0.005
340.00	341.00	Py00.2 **Pyrite 0.2%** Fine grained pyrite disseminated	340.00	341.00	I276298	1.00	<0.005
341.00	342.00	Py00.5 **Pyrite 0.5%** Fine grained pyrite disseminated	341.00	342.00	I276299	1.00	0.006
342.00	343.00	Py00.5 **Pyrite 0.5%** Fine grained pyrite disseminated	342.00	343.00	I276302	1.00	0.008
343.00	344.00	Py00.5	343.00	344.00	I276303	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine grained pyrite disseminated					
344.00	345.00	Py00.5	344.00	345.00	I276304	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
345.00	346.00	Py00.2	345.00	346.00	I276305	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
346.00	347.00	Py00.2	346.00	347.00	I276306	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
347.00	348.00	Py00.5	347.00	348.00	I276307	1.00	<0.005
		Pyrite 0.5%					
		stringers and fine grained pyrite disseminated					
347.80	349.00	Vn;5%;Qak;In;50°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 50°					
		Fine frained pyrite disseminated					
348.00	349.00	Py00.2; As00.1; Cp00.1	348.00	349.00	I276308	1.00	<0.005
		Pyrite 0.2%; Arsenopyrite 0.1%; Chalcopyrite 0.1%					
		traces of pyrite					
348.60	358.00	Crn; Fln					
		Crenulation; Foliation 40°					
		Foliation 40-60 dtca, intermittantv crenulation					
349.00	350.00	Py00.2	349.00	350.00	I276309	1.00	<0.005
		Pyrite 0.2%					
		fine grained pyrite disseminated					
350.00	351.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
350.00	360.00	Vn;5%;Qak;In;70°;Py00.5;	350.00	351.00	I276310	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70° Pyrite 0.5%					
		1-2 cm quartz ankerite veins 60-70° CA					
351.00	352.00	Py00.2	351.00	352.00	I276311	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
352.00	353.00	Py00.2	352.00	353.00	I276312	1.00	<0.005
		Pyrite 0.2%					
		traices of pyrite					
353.00	354.00	Py00.2	353.00	354.00	I276313	1.00	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
354.00	355.00	Py00.5	354.00	355.00	I276314	1.00	<0.005
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
355.00	356.00	Py00.7	355.00	356.00	I276315	1.00	0.012
		Pyrite 0.7%					
		Fine grained pyrite disseminated					
356.00	357.00	Py00.2	356.00	357.00	I276316	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
357.00	358.00	Py00.2	357.00	358.00	I276317	1.00	<0.005
		Pyrite 0.2%					
		fine grained pyrite disseminated					
358.00	381.00	Fln	358.00	359.00	I276318	1.00	<0.005
		Foliation 40°					
		moderate to strong foliation					
358.00	359.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
359.00	360.00	Py00.2	359.00	360.00	I276319	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
360.00	361.00	Py00.5	360.00	361.00	I276320	1.00	<0.005
		Pyrite 0.5%					
		Stringers and euhedral pyrite disseminated					
361.00	362.00	Py00.5	361.00	362.00	I276321	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
362.00	363.00	Py00.5	362.00	363.00	I276322	1.00	<0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
363.00	364.00	Py00.5	363.00	364.00	I276323	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
364.00	365.00	Py00.5	364.00	365.00	I276324	1.00	<0.005
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
365.00	366.00	Py00.7	365.00	366.00	I276327	1.00	<0.005
		Pyrite 0.7%					
		stringers and fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
366.00	367.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	366.00	367.00	I276328	1.00	<0.005
367.00	368.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	367.00	368.00	I276329	1.00	<0.005
368.00	369.00	Py00.5 **Pyrite 0.5%** stringers pyrite disseminated	368.00	369.00	I276330	1.00	<0.005
369.00	370.00	Py00.2 **Pyrite 0.2%** fine grained pyrite disseminated	369.00	370.00	I276331	1.00	<0.005
370.00	371.00	Py00.2 **Pyrite 0.2%** fine grained pyrite disseminated pyrite	370.00	371.00	I276332	1.00	<0.005
371.00	372.00	Py00.2 **Pyrite 0.2%** stringers pyrite disseminated	371.00	372.00	I276333	1.00	<0.005
372.00	373.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite disseminated	372.00	373.00	I276334	1.00	<0.005
373.00	374.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	373.00	374.00	I276335	1.00	<0.005
374.00	375.00	Py00.5 **Pyrite 0.5%** Fine grained pyrite disseminated	374.00	375.00	I276336	1.00	<0.005
375.00	376.00	Py00.5; Cp00.2; Cp **Pyrite 0.5%; Chalcopyrite 0.2%; Chalcopyrite** Fine grained pyrite disseminated, traces of chalcopyrite	375.00	376.00	I276337	1.00	<0.005
376.00	377.00	Py00.2 **Pyrite 0.2%** traces of pyrite disseminated	376.00	377.00	I276338	1.00	<0.005
377.00	378.00	Py00.2 **Pyrite 0.2%** fine grained pyrite disseminated	377.00	378.00	I276339	1.00	<0.005
378.00	379.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated	378.00	379.00	I276340	1.00	<0.005
379.00	380.00	Py00.5	379.00	380.00	I276341	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated					
380.00	380.50	Py00.5					
		Pyrite 0.5%					
		Euhedral and fine grained pyrite					
380.00	380.50	Vm;80%;Qak;In;50°;Py00.5;	380.00	380.50	I276342	0.50	0.008
		major vein (10 cm or greater) 80% quartz-ankerite infilled fractures 50° Pyrite 0.5%					
		Veine de quartz-ankerite with traces of pyrite.					
380.50	381.00	Py00.5	380.50	381.00	I276343	0.50	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
381.00	393.50	Crn; Fln	381.00	382.00	I276344	1.00	<0.005
		Crenulation; Foliation 70°					
		crenulation and foliation 40-80 dtca					
381.00	382.00	Py00.5					
		Pyrite 0.5%					
		fine and euhedral pyrite disseninated					
382.00	383.00	Py00.5	382.00	383.00	I276345	1.00	<0.005
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
383.00	384.00	Py00.5	383.00	384.00	I276346	1.00	0.04
		Pyrite 0.5%					
		euhdral and fine grained pyrite					
384.00	385.00	Py01					
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
384.00	385.00	Vm;15%;Qak;In;70°;Py00.5;	384.00	385.00	I276347	1.00	0.887
		major vein (10 cm or greater) 15% quartz-ankerite infilled fractures 70° Pyrite 0.5%					
		infilled quartz-ankerite veins 0.5-15 cm					
385.00	386.00	Py00.5	385.00	386.00	I276348	1.00	0.034
		Pyrite 0.5%					
		fine grained pyrite disseminated					
386.00	387.00	Py00.5	386.00	387.00	I276349	1.00	0.023
		Pyrite 0.5%					
		fine grained pyrite disseminated					
387.00	388.00	Py00.5	387.00	388.00	I276352	1.00	0.04
		Pyrite 0.5%					
		fine grained pyrite disseminated					
388.00	389.00	Py00.7	388.00	389.00	I276353	1.00	0.209
		Pyrite 0.7%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite disseminated					
388.90	389.20	Vn;20%;Qak;In;40°;Py00.5;					
		vein (5 mm - 10 cm) 20% quartz-ankerite infilled fractures 40° Pyrite 0.5%					
		infilled quartz-ankerite veins with euhedral pyrite					
389.00	390.00	Py01	389.00	390.00	I276354	1.00	2.85
		Pyrite 1%					
		fine grained pyrite disseminated					
389.90	391.00	Vn;10%;Qak;In;50°;Py00.2;					
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 50° Pyrite 0.2%					
		Infilled 1-5 cm quartz-ankerite veins, localized flooding quartz veins					
390.00	391.00	Py00.5	390.00	391.00	I276355	1.00	0.966
		Pyrite 0.5%					
		euhedral and fine grained pyrite in veins or disseminated					
391.00	392.00	Py0..5	391.00	392.00	I276356	1.00	0.085
		Pyrite 0..5					
		fine grained pyrite disseminated					
392.00	393.00	Py00.5	392.00	393.00	I276357	1.00	0.149
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated					
393.00	394.00	Py00.5	393.00	394.00	I276358	1.00	0.098
		Pyrite 0.5%					
		fine grained stringers pyrite					
393.50	402.20	Fln					
		Foliation 50°					
		weak to moderate foliation, localized boudinage					
394.00	395.00	Py00.5	394.00	395.00	I276359	1.00	0.029
		Pyrite 0.5%					
		fine grained pyrite disseminated					
395.00	396.00	Py00.5	395.00	396.00	I276360	1.00	0.047
		Pyrite 0.5%					
		fine grained pyrite disseminated					
396.00	397.00	Py00.5	396.00	397.00	I276361	1.00	0.125
		Pyrite 0.5%					
		fine grained pyrite disseminated					
397.00	398.00	Py00.5	397.00	398.00	I276362	1.00	0.008
		Pyrite 0.5%					
		fine grained pyrite disseminated					
398.00	399.00	Py01	398.00	399.00	I276363	1.00	0.008
		Pyrite 1%					
		Euhedral and fien grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
399.00	400.15	Py01	399.00	400.15	I276364	1.15	0.136
		Pyrite 1%					
		Euhedral, fine grained and closters pyrite disseminated					
400.15	405.00	Ank03; Se03; Si02; Cl01	400.15	400.60	I276365	0.45	0.323
		Ankerite 3; Sericite 3; Silica 2; Chlorite 1					
		strong pervasive ankerite-sericite, moderate silicification, weak chlorite, trace of epidote					
400.15	400.60	Py01					
		Pyrite 1%					
		fine grained stringers pyrite disseminated					
400.16	400.60	Vm;95%;Qak;In;70°;Py00.5;					
		major vein (10 cm or greater) 95% quartz-ankerite infilled fractures 70° Pyrite 0.5%					
		Infilled quartz ankerite veins (fragments of trachyte), with euhedral and fine grained pyrite					
400.60	401.20	Py01	400.60	401.20	I276366	0.60	1.15
		Pyrite 1%					
		stringers pyrite, fine grained and euhedral pyrite disseminated					
401.20	402.00	Py02	401.20	402.00	I276367	0.80	1.585
		Pyrite 2%					
		Stringers and fine grained pyrite disseminated					
402.00	403.00	Py02	402.00	403.00	I276368	1.00	1.395
		Pyrite 2%					
		Stringers and fine grained pyrite disseminated					
402.20	406.00	Crn; Fln; Fln					
		Crenulation; Foliation 40°; Foliation					
		Weak foliations ductile deformation in veins					
402.30	405.70	Vm;30%;Sgq Qak;In;50°;Py00.5;					
		major vein (10 cm or greater) 30% smoky grey quartz quartz-ankerite infilled fractures					
		50° Pyrite 0.5%					
		smoky grey and quartz-ankerite infilled and flooding quartz veins, euhedral pyrite irreg disseminated					
403.00	404.00	Py03	403.00	404.00	I276369	1.00	0.671
		Pyrite 3%					
		Stringers and finegrained pyrite disseminated					
404.00	405.00	Py02	404.00	405.00	I276370	1.00	0.534
		Pyrite 2%					
		stringers and fine grained pyrite disseminated					
405.00	411.00	V4a					
		Trachyte Altered					
		Fine grained altered mafic trachyte weak to moderate silicification, somes quartz-carbonates veins and					
		veinlets 70-80 dg, pyrite up to 1%					
405.00	419.10	Se03; Ank02; Cl02; K01	405.00	406.00	I276371	1.00	0.318
		Sericite 3; Ankerite 2; Chlorite 2; Potassic 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong pervasive sericite, moderate ankerite and chlorite, weak potassic alteration.					
405.00	406.00	Py02					
		Pyrite 2%					
		euhedral and fine grained pyrite disseminated					
406.00	421.00	Fln	406.00	407.00	I276372	1.00	0.559
		Foliation 50°					
		Moderate to strong foliation					
406.00	407.00	Py02					
		Pyrite 2%					
		fine grained pyrite disseminated					
406.40	410.50	Vm;20%;Qak;In;70°;Py00.2;					
		major vein (10 cm or greater) 20% quartz-ankerite infilled fractures 70° Pyrite 0.2%					
		infilled quartz-ankerite veins 1-6 cm 30-90 dtca, traces of pyrite					
407.00	408.00	Py00.7	407.00	408.00	I276373	1.00	0.214
		Pyrite 0.7%					
		fine grained and euhdral pyrite disseminated					
408.00	409.00	Py01	408.00	409.00	I276374	1.00	0.127
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
409.00	410.00	Py01	409.00	410.00	I276377	1.00	0.196
		Pyrite 1%					
		Stringers and euhedral and fine grained pyrite disseminated.					
410.00	411.00	Py01	410.00	411.00	I276378	1.00	0.142
		Pyrite 1%					
		Fine grained and euhedral pyrite disseminated. Localized stringers pyrite					
411.00	412.00	Py00.7	411.00	412.00	I276379	1.00	0.034
		Pyrite 0.7%					
		Euhedral and fine grained pyrite					
412.00	412.50	Py00.7	412.00	412.50	I276380	0.50	0.059
		Pyrite 0.7%					
		Euhedral and fine grained pyrite					
412.30	412.50	Vm;95%;Qak;In;60°;Py00.5;					
		major vein (10 cm or greater) 95% quartz-ankerite infilled fractures 60° Pyrite 0.5%					
		infilled quartz-ankerite veins 20 cm with fragments of chloritized trachyte and stringers pyrite					
412.50	413.10	Py00.7	412.50	413.10	I276381	0.60	0.053
		Pyrite 0.7%					
		Euhedral and fine grained pyrite					
413.10	414.00	Py01	413.10	414.00	I276382	0.90	0.042
		Pyrite 1%					
		euhedral and fine grained disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
414.00	415.00	Py00.7 **Pyrite 0.7%** euhedral and fine grained pyrite disseminated	414.00	415.00	I276383	1.00	0.01
415.00	416.00	Py00.7 **Pyrite 0.7%** euhedral and fine grained pyrite disseminated	415.00	416.00	I276384	1.00	0.12
416.00	417.00	Py01 **Pyrite 1%** Euhedral and fine grained pyrite disseminated	416.00	417.00	I276385	1.00	0.256
417.00	418.00	Py00.7 **Pyrite 0.7%** Euhedral and fine grained pyrite disseminated	417.00	418.00	I276386	1.00	0.309
418.00	419.10	Py00.7 **Pyrite 0.7%** euhedral and fine grianed pyrite disseminated	418.00	419.10	I276387	1.10	0.046
419.10	424.60	Cl03; Ank02; Se01 **Chlorite 3; Ankerite 2; Sericite 1** Strong pervasive chlorite, moderate pervasive ankerite, weak sericite	419.10	420.00	I276388	0.90	0.033
419.10	420.00	Py00.5 **Pyrite 0.5%** Fine and euhedral pyrite disseminated					
420.00	466.64	V4; Por **Trachyte 30°; Porphyritic** Greenish or yellowy green porphyritic trachyte. The rock has a distinct difference in the size of the crystals (felspath phenos rounded or elongated or streched were foliation 0.1-0.5 cm). The matrix is fine grained, Weak to moderate intermittant foliation can be observe. the entire unit is non magnetic, Alteration consist of strong to moderate ankerite chlorite alteration, localized strong sericite(424.60-429m), weak intermittant calcite down hole. It's mineralized traces to 1% fine grained, euhedral and stringers pyrite.	420.00	421.00	I276389	1.00	0.006
420.00	421.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral pyrite disseminated					
420.90	423.15	Vn;3%;Qak;In;30°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 30°** infilled quartz-ankerite veins 0.5-1cm					
421.00	422.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite	421.00	422.00	I276390	1.00	<0.005
422.00	423.00	Py00.2 **Pyrite 0.2%**	422.00	423.00	I276391	1.00	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
		Euhedral and fine grained pyrite disseminated					
423.00	423.70	Py00.5	423.00	423.70	I276392	0.70	0.018
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated.					
423.70	424.35	Py01; Cp00.2	423.70	424.35	I276393	0.65	0.039
		Pyrite 1%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated and traces of chalcopyrite					
424.35	425.00	Py01	424.35	425.00	I276394	0.65	0.402
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
424.60	429.00	Se03; Ank02; Cl02; Si01					
		Sericite 3; Ankerite 2; Chlorite 2; Silica 1					
		Strong pervasive sericite, moderate pervasive ankerite and chlorite, weak spotty silicification					
424.60	428.00	Vn;3%;Sgq Qak;In;50°;Py00.2;					
		vein (5 mm - 10 cm) 3% smoky grey quartz quartz-ankerite infilled fractures 50° Pyrite 0.2%					
		Infilled and flooding smoky grey quartz -ankerite veins 1-2 cm					
425.00	426.00	Py01	425.00	426.00	I276395	1.00	0.352
		Pyrite 1%					
		fine grained pyrite disseminated					
426.00	427.00	Py01	426.00	427.00	I276396	1.00	0.453
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
427.00	428.00	Py01	427.00	428.00	I276397	1.00	0.462
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
428.00	429.00	Py01	428.00	429.00	I276398	1.00	0.421
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
428.80	429.10	Vn;;Qak;In;40°;Py00.2;					
		vein (5 mm - 10 cm) quartz-ankerite infilled fractures 40° Pyrite 0.2%					
		Ligthly pink nfilled quartz ankerite vein with traces of euhedral pyrite.					
429.00	452.50	Ank03; Cl03; K01	429.00	430.00	I276399	1.00	0.258
		Ankerite 3; Chlorite 3; Potassic 1					
		Strong pervasive ankerite chlorite alteration, weak pervasive potassic alteration					
429.00	430.00	Py01					
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
429.20	434.00	Vn;70%;Qak;In;70°;Py00.2;					
		vein (5 mm - 10 cm) 70% quartz-ankerite infilled fractures 70° Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Ligth pink infilled(0,5-1 cm 70 dtca) and flooding quartz ankerite veins					
430.00	431.00	Py00.5	430.00	431.00	I276402	1.00	0.151
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
431.00	432.00	Py00.1	431.00	432.00	I276403	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
432.00	433.00	Py00.1	432.00	433.00	I276404	1.00	0.04
		Pyrite 0.1%					
		traces of pyrite					
433.00	434.00	Py00.1	433.00	434.00	I276405	1.00	0.008
		Pyrite 0.1%					
		traces of pyrite					
434.00	435.00	Py00.5	434.00	435.00	I276406	1.00	0.015
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
435.00	436.00	Py00.1	435.00	436.00	I276407	1.00	0.009
		Pyrite 0.1%					
		traces of pyrite					
436.00	437.00	Py00.1	436.00	437.00	I276408	1.00	<0.005
		Pyrite 0.1%					
		Traces of pyrite					
437.00	438.00	Py00.2	437.00	438.00	I276409	1.00	0.005
		Pyrite 0.2%					
		traces of pyrite					
438.00	458.00	Fln	438.00	439.00	I276410	1.00	<0.005
		Foliation 50°					
		Weak to moderate foliation underline by chlorite stringers					
438.00	439.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
439.00	440.00	Py00.1	439.00	440.00	I276411	1.00	0.005
		Pyrite 0.1%					
		traces of pyrite					
440.00	441.00	Py00.1	440.00	441.00	I276412	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
441.00	442.00	Py00.1	441.00	442.00	I276413	1.00	0.009
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
442.00	443.00	Py00.1	442.00	443.00	I276414	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
442.70	442.75	Vn;98%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 98% quartz-ankerite infilled fractures 70°					
		Quartz-ankerite veins					
443.00	444.00	Py00.1	443.00	444.00	I276415	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
444.00	445.00	Py00.1	444.00	445.00	I276416	1.00	0.011
		Pyrite 0.1%					
		traces of pyrite					
445.00	446.00	Py00.1	445.00	446.00	I276417	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
446.00	447.00	Py00.1	446.00	447.00	I276418	1.00	0.016
		Pyrite 0.1%					
		traces of pyrite					
447.00	448.00	Py00.1	447.00	448.00	I276419	1.00	0.011
		Pyrite 0.1%					
		traces of pyrite					
448.00	449.00	Py00.1	448.00	449.00	I276420	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
449.00	450.00	Py00.1	449.00	450.00	I276421	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
450.00	451.00	Py00.1	450.00	451.00	I276422	1.00	0.011
		Pyrite 0.1%					
		traces of pyrite					
451.00	452.00	Py00.1	451.00	452.00	I276423	1.00	0.025
		Pyrite 0.1%					
		traces of pyrite					
452.00	453.00	Py00.1	452.00	453.00	I276424	1.00	0.03
		Pyrite 0.1%					
		traces of pyrite					
452.50	458.00	Ank02; Cl02; Ca01					
		Ankerite 2; Chlorite 2; Calcite 1					
		Moderate pervasive ankerite-chlorite alteration, spotty weak calcite					
453.00	454.00	Py00.1	453.00	454.00	I276427	1.00	0.041

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
454.00	455.00	Py00.1	454.00	455.00	I276428	1.00	0.035
		Pyrite 0.1%					
		traces of pyrite					
455.00	456.00	Py00.1	455.00	456.00	I276429	1.00	0.005
		Pyrite 0.1%					
		traces of pyrite					
456.00	457.00	Py00.1	456.00	457.00	I276430	1.00	0.009
		Pyrite 0.1%					
		traces of pyrite					
457.00	458.00	Py00.1	457.00	458.00	I276431	1.00	0.01
		Pyrite 0.1%					
		traces of pyrite					
458.00	466.64	Ank02; Cl02	458.00	459.00	I276432	1.00	0.02
		Ankerite 2; Chlorite 2					
		Moderate pervasive chlorite-ankerite alteration					
458.00	459.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
459.00	460.00	Py00.1	459.00	460.00	I276433	1.00	0.01
		Pyrite 0.1%					
		traces of pyrite					
460.00	461.00	Py00.1	460.00	461.00	I276434	1.00	0.01
		Pyrite 0.1%					
		traces of pyrite					
461.00	462.00	Py00.1	461.00	462.00	I276435	1.00	0.017
		Pyrite 0.1%					
		traces of pyrite					
462.00	463.00	Py00.1	462.00	463.00	I276436	1.00	0.017
		Pyrite 0.1%					
		traces of pyrite					
463.00	464.00	Py00.1	463.00	464.00	I276437	1.00	0.01
		Pyrite 0.1%					
		traces of pyrite					
464.00	465.00	Py00.1	464.00	465.00	I276438	1.00	0.023
		Pyrite 0.1%					
		traces of pyrite					
465.00	466.00	Py00.1	465.00	466.00	I276439	1.00	0.014
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
466.00	466.64	Py00.2	466.00	466.64	I276440	0.64	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
466.64	475.60	V4; Tuff; FlBand					
		Trachyte 60°; TUFF; FLOWBANDED					
		Greenish grey with patchy olive colour trachyte tuff, fine to medium grained, some whitish felspath phenos agglomerated and // to foliation 40-60 dg/ CA. The unit is intersect by whitish quartz-ankerite veins and veinlets. Non magnetique, is altered to strong sericite, moderate pervasive chlorite. The mineralisation consist of fine grained pyrite disseminate pyrite 0.5-1%.					
466.64	475.60	Ank02; Se02; Cl02	466.64	467.40	I276441	0.76	0.077
		Ankerite 2; Sericite 2; Chlorite 2					
		Moderate pervasive ankerite chlorite, spotty moderate to strong ankerite					
466.64	467.40	Py00.7					
		Pyrite 0.7%					
		Fine grained and euhedral pyrite disseminated					
466.80	469.60	Vn;10%;Qak;In;40°;Py00.5;					
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 40° Pyrite 0.5%					
		flooding and infilled quartz ankerite veins 0.5-7 cm, 0.5% euhedral pyrite irregulary disseminated					
467.40	468.00	Py01	467.40	468.00	I276442	0.60	0.08
		Pyrite 1%					
		euhedral and fine grained pyrite.					
468.00	469.00	Py01	468.00	469.00	I276443	1.00	0.126
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated.					
469.00	470.00	Py01	469.00	470.00	I276444	1.00	0.109
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
470.00	471.00	Py01	470.00	471.00	I276445	1.00	0.124
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
471.00	472.00	Py01	471.00	472.00	I276446	1.00	0.105
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
472.00	473.00	Py01	472.00	473.00	I276447	1.00	0.289
		Pyrite 1%					
		Stringers pyrite, euhedral and fine grained pyrite disseminated					
473.00	474.00	Py02	473.00	474.00	I276448	1.00	0.276
		Pyrite 2%					
		stringers, euhedral and fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
473.20	473.50	Vn;40%;Qak;Fl;;Py00.5; **vein (5 mm - 10 cm) 40% quartz-ankerite flooding Pyrite 0.5%** Flooding pinkisk quartz ankerite veins 50-70 dgtca					
474.00	475.00	Py01 **Pyrite 1%** stringers, euhedral and fine grained pyrite disseminated	474.00	475.00	I276449	1.00	0.069
475.00	476.00	Py00.2 **Pyrite 0.2%** traces of pyrite	475.00	476.00	I276452	1.00	0.012
475.60	486.50	V4; Por **Trachyte 50°; Porphyritic** Greenish porphiritic trachite flow (look like Dioritic intrusion). The matrix is fine grained with 10-15% whitish or pinkish rounded or sub euhedral felspaths phenos (0.2-0.5 cm), spotty weak to moderate foliation 40-60 dtca. The entire unit is non magnetic and altered moderate to strong pervasive ankerite-chlorite, weak sericite, Mineralization consist of trace to 0.5% of fine grained pyrite.					
475.60	486.30	Ank02; Cl02 **Ankerite 2; Chlorite 2** moerate pervasive ankerite chlorite alteration					
476.00	477.00	Py00.1 **Pyrite 0.1%** traces of pyrite	476.00	477.00	I276453	1.00	<0.005
477.00	478.00	Py00.1 **Pyrite 0.1%** traces of pyrite	477.00	478.00	I276454	1.00	0.027
478.00	479.00	Py00.1 **Pyrite 0.1%** traces of pyrite	478.00	479.00	I276455	1.00	<0.005
479.00	480.00	Py00.1 **Pyrite 0.1%** traces of pyrite	479.00	480.00	I276456	1.00	<0.005
480.00	481.00	Py00.1 **Pyrite 0.1%** traces of pyrite	480.00	481.00	I276457	1.00	0.008
481.00	482.00	Py00.1 **Pyrite 0.1%** traces of pyrite	481.00	482.00	I276458	1.00	0.016
482.00	483.00	Py00.1 **Pyrite 0.1%** traces of pyrite	482.00	483.00	I276459	1.00	0.028
483.00	484.00	Py00.1	483.00	484.00	I276460	1.00	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
484.00	485.00	Py00.1	484.00	485.00	I276461	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
485.00	485.80	Py00.1	485.00	485.80	I276462	0.80	<0.005
		Pyrite 0.1%					
		traces of pyrite					
485.80	486.30	Py00.5	485.80	486.30	I276463	0.50	<0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
486.00	486.30	FAZ; Gg					
		Fault Zone 40°; Fault gouge					
		Fault Zone with greenish fault gouge.					
486.30	504.00	Cl03; Ank02	486.30	487.00	I276464	0.70	<0.005
		Chlorite 3; Ankerite 2					
		strong pervasive chlorite, moderate pervasive ankerite.					
486.30	500.00	Fln; Jt; Jt; Gg					
		Foliation 40°; Joint; Joint; Fault gouge					
		Multiple Joint with greenish fault gouge. foliation associate 40-60 dtca					
486.30	487.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
486.50	575.60	V4; Tuff; Fol					
		Trachyte 40°; TUFF; Foliated					
		Greenish fine grained trachytic mafic lapilli tuff, thin banding associated to the moderate to strong foliation 40-50 dtca, locally felspaths or carbonates agglomerate, The unit start with a fault zone with broken blocky blocs and fault gouge. alteration consist of strong pervasive chlorite, moderate to strong ankerite become altered to spotty calcite at 509 m. It's magnetic from 502.30-524 m. Part of unit is weakly to strongly deformed and underline by pleated quartz-carbonates (ankerite) veins and veinlets, crenulations and C-S fabric (497-575.60m) and sericite hairlines. The unit is mineralized with spotty traces of pyrite.					
487.00	488.00	Py00.1	487.00	488.00	I276465	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
488.00	489.00	Py00.1	488.00	489.00	I276466	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
489.00	490.00	Py00.1	489.00	490.00	I276467	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
490.00	491.00	Py00.1	490.00	491.00	I276468	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
491.00	492.00	Py00.1	491.00	492.00	I276469	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
492.00	493.00	Py00.1	492.00	493.00	I276470	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
493.00	494.00	Py00.1	493.00	494.00	I276471	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
494.00	495.00	Py00.1	494.00	495.00	I276472	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
495.00	496.00	Py00.1	495.00	496.00	I276473	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
496.00	497.00	Py00.1	496.00	497.00	I276474	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
497.00	498.00	Py00.1	497.00	498.00	I276477	1.00	0.037
		Pyrite 0.1%					
		traces of pyrite					
497.95	498.00	Vn;95%;Sgq;In;50°;;					
		vein (5 mm - 10 cm) 95% smoky grey quartz infilled fractures 50°					
		smoky grey quartz 3 cm					
498.00	499.00	Py00.1	498.00	499.00	I276478	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
499.00	500.00	Py00.1	499.00	500.00	I276479	1.00	0.006
		Pyrite 0.1%					
		traces of pyrite					
499.30	499.80	Vn;40%;Sgq Ak;In;50°;;					
		vein (5 mm - 10 cm) 40% smoky grey quartz ankerite infilled fractures 50°					
		smoky grey quartz-ankerite veins 3-4 cm 40-60 dtca,					
500.00	500.20	FLT; Gg					
		Fault 40°; Fault gouge					

Description			Assay				
			From	To	Sample number	Length	AuBest
500.00	501.00	Py00.1	500.00	501.00	I276480	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
500.00	500.20	Vn;20%;Ak Ak;In;70°;;					
		vein (5 mm - 10 cm) 20% ankerite ankerite infilled fractures 70°					
		Quartz ankerite veins 5 cm 70 dtca					
500.20	509.60	Jt; Gg; Fln					
		Joint 60°; Fault gouge; Foliation					
		multiple Joint with fault gouge, and moderate to strong foliation					
501.00	502.00	Py00.2	501.00	502.00	I276481	1.00	0.009
		Pyrite 0.2%					
		traces of pyrite					
501.10	501.15	Vn;98%;Qak;In;50°;;					
		vein (5 mm - 10 cm) 98% quartz-ankerite infilled fractures 50°					
		infilled quartz ankerite vein 50 cm					
502.00	503.00	Py00.1	502.00	503.00	I276482	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
503.00	504.00	Py00.1	503.00	504.00	I276483	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
504.00	536.10	Ca03; Cl03	504.00	505.00	I276484	1.00	<0.005
		Calcite 3; Chlorite 3					
		Moderate to strong calcite chlorite alteration					
504.00	505.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
505.00	506.00	Py00.1	505.00	506.00	I276485	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
506.00	507.00	Py00.1	506.00	507.00	I276486	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
507.00	508.00	Py00.1	507.00	508.00	I276487	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
508.00	509.00	Py00.1	508.00	509.00	I276488	1.00	0.005
		Pyrite 0.1%					
		traces of pyrite					
509.00	510.00	Py00.1	509.00	510.00	I276489	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
509.60	509.90	FLT					
		Fault 50°					
		fault zone with greenish fault gouge					
509.90	513.00	Jt; Gg; Fln					
		Joint 60°; Fault gouge; Foliation					
510.00	511.00	Py00.1	510.00	511.00	I276490	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
511.00	512.00	Py00.1	511.00	512.00	I276491	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
512.00	513.00	Py00.1	512.00	513.00	I276492	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
513.00	516.90	Fln	513.00	514.00	I276493	1.00	<0.005
		Foliation 50°					
		moderate to strong foliation					
513.00	514.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
514.00	515.00	Py00.1	514.00	515.00	I276494	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
515.00	516.00	Py00.1	515.00	516.00	I276495	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
516.00	517.00	Py00.1	516.00	517.00	I276496	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
516.90	517.10	FLT; Gg					
		Fault 50°; Fault gouge					
		fault with greenish fault gouge					
517.00	518.10	Py00.1	517.00	518.10	I276497	1.10	0.007
		Pyrite 0.1%					
		traces of pyrite					
517.10	545.20	Fln					
		Foliation 40°					
		moderate foliation					

Description			Assay				
			From	To	Sample number	Length	AuBest
518.10	519.00	Py00.1 **Pyrite 0.1%** traces of pyrite	518.10	519.00	I276498	0.90	0.006
519.00	520.00	Py00.1 **Pyrite 0.1%** traces of pyrite	519.00	520.00	I276499	1.00	0.012
520.00	521.00	Py00.1 **Pyrite 0.1%** traces of pyrite	520.00	521.00	I276502	1.00	0.017
521.00	522.00	Py00.1 **Pyrite 0.1%** traces of pyrite	521.00	522.00	I276503	1.00	0.012
522.00	523.00	Py00.1 **Pyrite 0.1%** traces of pyrite	522.00	523.00	I276504	1.00	<0.005
523.00	524.00	Py00.1 **Pyrite 0.1%** traces of pyrite	523.00	524.00	I276505	1.00	<0.005
524.00	525.00	Py00.1 **Pyrite 0.1%** traces	524.00	525.00	I276506	1.00	<0.005
525.00	526.00	Py00.1 **Pyrite 0.1%** traces of pyrite	525.00	526.00	I276507	1.00	0.007
526.00	527.00	Py00.1 **Pyrite 0.1%** traces of pyrite	526.00	527.00	I276508	1.00	0.011
527.00	528.00	Py00.1 **Pyrite 0.1%** traces of pyrite	527.00	528.00	I276509	1.00	0.009
528.00	529.00	Py00.1 **Pyrite 0.1%** traces of pyrite	528.00	529.00	I276510	1.00	<0.005
529.00	530.00	Py00.1 **Pyrite 0.1%** traces of pyrite	529.00	530.00	I276511	1.00	<0.005
530.00	531.00	Py00.1 **Pyrite 0.1%** traces of pyrite	530.00	531.00	I276512	1.00	<0.005
531.00	532.00	Py00.1	531.00	532.00	I276513	1.00	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
532.00	533.00	Py00.1	532.00	533.00	I276514	1.00	0.005
		Pyrite 0.1%					
		traces of pyrite					
533.00	534.00	Py00.1	533.00	534.00	I276515	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
534.00	535.00	Py00.1	534.00	535.00	I276516	1.00	0.008
		Pyrite 0.1%					
		traces of pyrite					
535.00	536.00	Py00.1	535.00	536.00	I276517	1.00	0.018
		Pyrite 0.1%					
		traces of pyrite					
536.00	537.00	Py00.1	536.00	537.00	I276518	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
536.10	575.60	Ank03; Cl03; Se01; Ca01					
		Ankerite 3; Chlorite 3; Sericite 1; Calcite 1					
		Strong ankerite-chlorite alteration, weak sericite, spotty weak calcite					
537.00	538.00	Py00.2; Mg00.5	537.00	538.00	I276519	1.00	0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
537.25	537.33	Vn;95%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 95% quartz-ankerite infilled fractures 60°					
		infilled quartz ankerite vein					
538.00	539.00	Py00.7; Cp00.2	538.00	539.00	I276520	1.00	0.006
		Pyrite 0.7%; Chalcopyrite 0.2%					
		pyrite veinlets, euhedral and fine grained pyrite disseminated, traces of chalcopyrite					
539.00	540.00	Py00.5; Cp00.2	539.00	540.00	I276521	1.00	<0.005
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Fine grained pyrite disseminated, traces ofchalcopyrite					
540.00	541.00	Py00.5	540.00	541.00	I276522	1.00	0.013
		Pyrite 0.5%					
		fine grained pyrite disseminted or // foliation					
540.10	540.25	Vn;95%;Qak;In;;;					
		vein (5 mm - 10 cm) 95% quartz-ankerite infilled fractures					
		quartz-ankerite vein localis flooding pleaded quartz veins					
541.00	542.00	Py00.5	541.00	542.00	I276523	1.00	<0.005
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite in veins					
541.50	541.60	Vn;98%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 98% quartz-ankerite infilled fractures 70°					
		infilled quartz ankeite vein					
542.00	543.00	Py00.1	542.00	543.00	I276524	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
543.00	544.00	Py00.1	543.00	544.00	I276527	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
544.00	545.00	Py00.1	544.00	545.00	I276528	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
545.00	546.00	Py00.1	545.00	546.00	I276529	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
545.20	545.70	Jt; Fln					
		Joint 40°; Foliation					
		joints with broken blocs. moderate foliation 40-60 dtca					
545.70	558.40	Fln					
		Foliation 60°					
		moderate foliation					
546.00	547.00	Py00.1	546.00	547.00	I276530	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
547.00	548.00	Py00.1	547.00	548.00	I276531	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
548.00	549.00	Py00.1	548.00	549.00	I276532	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
549.00	550.00	Py00.1	549.00	550.00	I276533	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
550.00	551.00	Py00.1	550.00	551.00	I276534	1.00	0.006
		Pyrite 0.1%					
		traces of pyrite					
551.00	552.00	Py00.2	551.00	552.00	I276535	1.00	0.006
		Pyrite 0.2%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
552.00	553.00	Py00.2	552.00	553.00	I276536	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
553.00	554.00	Py00.1	553.00	554.00	I276537	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
554.00	555.00	Py00.1	554.00	555.00	I276538	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
555.00	556.00	Py00.1	555.00	556.00	I276539	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
555.15	555.40	Vn;75%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 75% quartz-ankerite infilled fractures 60°					
		infilled quartz-ankerite veins 1 and 10 cm					
556.00	557.00	Py00.1	556.00	557.00	I276540	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
557.00	558.00	Py00.1	557.00	558.00	I276541	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
558.00	559.00	Py00.1	558.00	559.00	I276542	1.00	0.009
		Pyrite 0.1%					
		traces of pyrite					
558.40	558.70	FAZ; Gg					
		Fault Zone 60°; Fault gouge					
		Fault zone with gouge					
558.70	575.60	Fln; DZ					
		Foliation 50°; Deformation Zone					
		Foliation 40-60 dtca, deformed zone with crenumations ans C-S fabric					
559.00	560.00	Py00.1	559.00	560.00	I276543	1.00	0.005
		Pyrite 0.1%					
		traces of pyrite					
560.00	561.00	Py00.1	560.00	561.00	I276544	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
561.00	562.00	Py00.1	561.00	562.00	I276545	1.00	0.006
		Pyrite 0.1%					
		traces of pyrite					
562.00	563.00	Py00.1	562.00	563.00	I276546	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
563.00	564.00	Py00.1	563.00	564.00	I276547	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
564.00	565.00	Py00.1	564.00	565.00	I276548	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
564.75	565.00	Vn;80%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 80% quartz-ankerite infilled fractures 70°					
		infilled quartz-ankerite veins 5-3 and 9 cm					
565.00	566.00	Py00.1	565.00	566.00	I276549	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
566.00	567.00	Py00.2	566.00	567.00	I276552	1.00	0.009
		Pyrite 0.2%					
		traces of pyrite					
567.00	568.00	Py00.1	567.00	568.00	I276553	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
568.00	569.00	Py00.1	568.00	569.00	I276554	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
569.00	570.00	Py00.1	569.00	570.00	I276555	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
570.00	571.00	Py00.1	570.00	571.00	I276556	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
571.00	572.00	Py00.1	571.00	572.00	I276557	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
572.00	573.00	Py00.1	572.00	573.00	I276558	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
573.00	574.00	Py00.1	573.00	574.00	I276559	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
574.00	575.00	Py00.1	574.00	575.00	I276560	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
575.00	575.60	Py00.1	575.00	575.60	I276561	0.60	<0.005
		Pyrite 0.1%					
		traces of pyrite					
575.60		**End of DDH**					
		Number of samples: 540					
		Number of QAQC samples: 48					
		Total sampled length: 530.60					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_33

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Adam Richardson	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	16/02/2014	Description date:	
		To:	26/02/2014		

Collar

Azimuth: 180.0°
Dip: -55.0°
Length: 478.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,763.440
North	0.0	0.000	5,331,419.058
Elevation	0.0	0.000	344.413

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-55.0°	No	
ReflexEZS	51.00	172.9°	-56.6°	No	Mag:55240; Data from Frank Ploeger
ReflexEZS	111.00	173.0°	-55.5°	No	Mag:55404; Data from Frank Ploeger
ReflexEZS	171.00	172.3°	-55.8°	No	Mag:55452; Data from Frank Ploeger
ReflexEZS	231.00	179.0°	-55.2°	No	Mag:55899; Data from Frank Ploeger
ReflexEZS	294.00	177.0°	-55.1°	No	Mag:55070; Data from Frank Ploeger
ReflexEZS	351.00	175.8°	-54.5°	No	Mag:55016; Data from Frank Ploeger
ReflexEZS	411.00	173.9°	-53.9°	No	Mag:54820; Data from Frank Ploeger
ReflexEZS	471.00	179.2°	-53.3°	Yes	Mag = 55112

Description

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	40.10	OVB; Undie; **Overburden; UNDEFINED;**					
40.10	168.00	V4; Per; Aph **Trachyte; PERLITIC; APHANITIC** Dark greenish-black to grey and beige. Strongly chloritic and magnetite rich aphanitic groundmass with light coloured grey to beige and pinky, variably fractured mm to cm scale potassic and ankerite altered angular to subrounded fragments. Missing core/poor recovery from 44 to 46m, approx 50% recovery - sandy silty material in box, possibly a boulder with sand underneath. 41-49m - core is oxidized and strongly fractured. Pervasive quenching with abundance of perlitic and hyaloclastitic textures. Glassy trachytic flow. Trace to 0.5 pct fg to f-mg eu-subhedral disseminated py.	40.10	41.00	N459813	0.90	0.406
			41.00	42.00	N459814	1.00	0.01
			42.00	43.00	N459815	1.00	0.008
			43.00	44.00	N459816	1.00	0.025
			44.00	46.00	N459817	2.00	0.013
			46.00	47.00	N459818	1.00	0.017
			47.00	48.00	N459819	1.00	0.025
			48.00	49.00	N459820	1.00	0.01
			49.00	50.00	N459821	1.00	0.009
			50.00	51.00	N459822	1.00	0.007
			51.00	52.00	N459823	1.00	0.008
			52.00	53.00	N459824	1.00	0.012
			53.00	54.00	N459827	1.00	0.018
			54.00	55.00	N459828	1.00	0.052
			55.00	56.00	N459829	1.00	0.03
			56.00	57.00	N459830	1.00	0.01
			57.00	58.00	N459831	1.00	0.026
			58.00	59.00	N459832	1.00	0.051
			59.00	60.00	N459833	1.00	0.035
			60.00	61.00	N459834	1.00	0.018
			61.00	62.00	N459835	1.00	0.014
			62.00	63.00	N459836	1.00	0.01
			63.00	64.00	N459837	1.00	0.005
			64.00	65.00	N459838	1.00	0.048
			65.00	66.00	N459839	1.00	0.005
			66.00	67.00	N459840	1.00	0.008
			67.00	68.00	N459841	1.00	0.007
			68.00	69.00	N459842	1.00	0.015
			69.00	70.00	N459843	1.00	<0.005
			70.00	71.00	N459844	1.00	0.01
			71.00	72.00	N459845	1.00	0.06
			72.00	73.00	N459846	1.00	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			73.00	73.41	N459847	0.41	0.005
40.10	64.00	Py00.1 **Pyrite 0.1%** Trace fine grained disseminated					
73.41	167.54	Py **Pyrite** trace fine grained disseminated	73.41	74.00	N459848	0.59	0.006
			74.00	75.00	N459849	1.00	0.005
			75.00	76.00	N459902	1.00	0.008
			76.00	77.00	N459903	1.00	0.007
			77.00	78.00	N459904	1.00	<0.005
			78.00	79.00	N459905	1.00	<0.005
			79.00	80.00	N459906	1.00	0.005
			80.00	81.00	N459907	1.00	<0.005
			81.00	82.00	N459908	1.00	<0.005
			82.00	83.00	N459909	1.00	<0.005
			83.00	84.00	N459910	1.00	0.006
			84.00	85.00	N459911	1.00	<0.005
			85.00	86.00	N459912	1.00	0.006
			86.00	87.00	N459913	1.00	0.105
			87.00	88.00	N459914	1.00	0.005
			88.00	89.00	N459915	1.00	0.009
			89.00	90.00	N459916	1.00	0.008
			90.00	91.00	N459917	1.00	<0.005
			91.00	92.00	N459918	1.00	<0.005
			92.00	93.00	N459919	1.00	0.006
			93.00	94.00	N459920	1.00	0.005
			94.00	95.00	N459921	1.00	0.018
			95.00	96.00	N459922	1.00	0.021
			96.00	97.00	N459923	1.00	0.011
			97.00	98.00	N459924	1.00	0.011
			98.00	99.00	N459927	1.00	0.009
			99.00	100.00	N459928	1.00	0.012
			100.00	101.00	N459929	1.00	0.016
			101.00	102.00	N459930	1.00	0.012
			102.00	103.00	N459931	1.00	0.01
			103.00	104.00	N459932	1.00	0.007

Description	Assay				
	From	To	Sample number	Length	AuBest
	104.00	105.00	N459933	1.00	0.011
	105.00	106.00	N459934	1.00	0.018
	106.00	107.00	N459935	1.00	0.005
	107.00	108.00	N459936	1.00	0.008
	108.00	109.00	N459937	1.00	0.016
	109.00	110.00	N459938	1.00	0.005
	110.00	111.00	N459939	1.00	0.006
	111.00	112.00	N459940	1.00	<0.005
	112.00	113.00	N459941	1.00	<0.005
	113.00	114.00	N459942	1.00	<0.005
	114.00	115.00	N459943	1.00	<0.005
	115.00	116.00	N459944	1.00	<0.005
	116.00	117.00	N459945	1.00	0.01
	117.00	118.00	N459946	1.00	0.009
	118.00	119.00	N459947	1.00	0.007
	119.00	120.00	N459948	1.00	0.021
	120.00	121.00	N459949	1.00	0.016
	121.00	122.00	N447852	1.00	0.009
	122.00	123.00	N447853	1.00	0.011
	123.00	124.00	N447854	1.00	0.022
	124.00	125.00	N447855	1.00	0.398
	125.00	126.00	N447856	1.00	0.022
	126.00	127.00	N447857	1.00	0.011
	127.00	128.00	N447858	1.00	0.019
	128.00	129.00	N447859	1.00	0.013
	129.00	130.00	N447860	1.00	0.028
	130.00	131.00	N447861	1.00	0.034
	131.00	132.00	N447862	1.00	0.026
	132.00	133.00	N447863	1.00	0.027
	133.00	134.00	N447864	1.00	0.034
	134.00	135.00	N447865	1.00	0.018
	135.00	136.00	N447866	1.00	0.01
	136.00	137.00	N447867	1.00	0.032
	137.00	138.00	N447868	1.00	0.051

Description			Assay				
			From	To	Sample number	Length	AuBest
			138.00	139.00	N447869	1.00	0.082
			139.00	140.00	N447870	1.00	0.206
			140.00	141.00	N447871	1.00	0.038
			141.00	142.00	N447872	1.00	0.043
			142.00	143.00	N447873	1.00	0.029
			143.00	144.00	N447874	1.00	0.042
			144.00	145.00	N447877	1.00	0.029
			145.00	146.00	N447878	1.00	0.107
			146.00	147.00	N447879	1.00	0.066
			147.00	148.00	N447880	1.00	0.02
			148.00	149.00	N447881	1.00	0.02
			149.00	150.00	N447882	1.00	0.092
			150.00	151.00	N447883	1.00	0.14
			151.00	152.00	N447884	1.00	0.158
			152.00	153.00	N447885	1.00	0.169
			153.00	154.00	N447886	1.00	0.07
			154.00	155.00	N447887	1.00	0.053
			155.00	156.00	N447888	1.00	0.018
			156.00	157.00	N447889	1.00	0.228
			157.00	158.00	N447890	1.00	0.49
			158.00	159.00	N447891	1.00	0.197
			159.00	160.00	N447892	1.00	0.238
			160.00	161.00	N447893	1.00	0.325
			161.00	162.00	N447894	1.00	0.311
			162.00	163.00	N447895	1.00	0.061
			163.00	164.00	N447896	1.00	0.1
			164.00	165.00	N447897	1.00	0.074
			165.00	166.00	N447898	1.00	0.082
			166.00	167.00	N447899	1.00	0.184
			167.00	167.54	N447902	0.54	0.077
167.54	216.90	Py	167.54	168.00	N447903	0.46	0.025
		Pyrite					
		Trace fine grained pyrite disseminated					
168.00	228.20	V4; Per; Aph	168.00	169.00	N447904	1.00	0.186
		Trachyte; PERLITIC; APHANITIC	169.00	170.00	N447905	1.00	0.286

Description	Assay				
	From	To	Sample number	Length	AuBest
Med pinky-red to greyish. Aphanitic glassy groundmass with intense potassic-ankerite alteration. Perlitic texture. Trace chalcopyrite and molybdentite within veinlets. Broken core. Soft pale orange barite along fracture planes - locally with well formed acicular growth. Minor isolated patches of weak flow banding.	170.00	171.00	N447906	1.00	0.198
	171.00	172.00	N447907	1.00	0.167
	172.00	173.00	N447908	1.00	0.175
	173.00	174.00	N447909	1.00	0.329
	174.00	175.00	N447910	1.00	0.161
	175.00	176.00	N447911	1.00	0.194
	176.00	177.00	N447912	1.00	0.183
	177.00	178.00	N447913	1.00	0.157
	178.00	179.00	N447914	1.00	0.199
	179.00	180.00	N447915	1.00	0.187
	180.00	181.00	N447916	1.00	0.205
	181.00	182.00	N447917	1.00	0.327
	182.00	183.00	N447918	1.00	0.377
	183.00	184.00	N447919	1.00	0.329
	184.00	185.00	N447920	1.00	0.394
	185.00	186.00	N447921	1.00	0.406
	186.00	187.00	N447922	1.00	0.247
	187.00	188.00	N447923	1.00	0.229
	188.00	189.00	N447924	1.00	0.292
	189.00	190.00	N447927	1.00	0.309
	190.00	191.00	N447928	1.00	0.179
	191.00	192.00	N447929	1.00	0.169
	192.00	193.00	N447930	1.00	0.287
	193.00	194.00	N447931	1.00	0.294
	194.00	195.00	N447932	1.00	0.344
	195.00	196.00	N447933	1.00	0.434
	196.00	197.00	N447934	1.00	0.263
	197.00	198.00	N447935	1.00	0.212
	198.00	199.00	N447936	1.00	0.264
	199.00	200.00	N447937	1.00	0.267
	200.00	201.00	N447938	1.00	0.215
	201.00	202.00	N447939	1.00	0.229
	202.00	203.00	N447940	1.00	0.301
	203.00	204.00	N447941	1.00	0.308

Description			Assay				
			From	To	Sample number	Length	AuBest
			204.00	205.00	N447942	1.00	0.502
			205.00	206.00	N447943	1.00	0.457
			206.00	207.00	N447944	1.00	0.314
			207.00	208.00	N447945	1.00	0.279
			208.00	209.00	N447946	1.00	0.531
			209.00	210.00	N447947	1.00	0.531
			210.00	211.00	N447948	1.00	0.36
			211.00	212.00	N447949	1.00	0.461
			212.00	213.00	N447952	1.00	0.548
			213.00	214.00	N447953	1.00	0.713
			214.00	215.00	N447954	1.00	0.686
			215.00	216.00	N447955	1.00	0.648
			216.00	217.00	N447956	1.00	0.72
216.90	216.95	Cp00.5 **Chalcopyrite 0.5%** along fracture/vein					
216.95	250.00	Py00.1 **Pyrite 0.1%** fine grained disseminated	217.00	218.00	N447957	1.00	0.306
			218.00	219.00	N447958	1.00	0.268
			219.00	220.00	N447959	1.00	0.726
			220.00	221.00	N447960	1.00	0.487
			221.00	222.00	N447961	1.00	1.04
			222.00	223.00	N447962	1.00	0.984
			223.00	224.00	N447963	1.00	1.79
			224.00	225.00	N447964	1.00	0.528
			225.00	226.00	N447965	1.00	0.55
			226.00	227.00	N447966	1.00	0.753
			227.00	228.10	N447967	1.10	1.055
			228.10	229.00	N447968	0.90	0.013
228.20	230.00	V4; Aph; **Trachyte; APHANITIC;** Med green. Apahnitic glassy groundmass with hyaloclastite texture. Pervasive chl-magnetite alteration. Selective ankerite alteration. Sharp contacts.	229.00	230.00	N447969	1.00	0.006
230.00	250.50	V4; Per; Aph **Trachyte; PERLITIC; APHANITIC** Med pinky-red to greyish. Aphanitic glassy groundmass with intense potassic-ankerite alteration. Perlitic texture. Trace chalcopyrite and molybdenite within veinlets. Soft pale orange barite along fracture planes -	230.00	230.45	N447970	0.45	0.206
			230.45	231.00	N447971	0.55	1.37
			231.00	232.00	N447972	1.00	0.819

Description			Assay				
			From	To	Sample number	Length	AuBest
		locally with well formed acicular growth. Minor isolated patches of flow banding. Flow top quenched zone of dk	232.00	233.00	N447973	1.00	1.08
		green chloritic alteration with banding at 30 to 90 deg tca towards lower ctc.	233.00	234.00	N447974	1.00	1.33
			234.00	235.00	N447977	1.00	0.787
			235.00	236.00	N447978	1.00	0.609
			236.00	237.00	N447979	1.00	0.282
			237.00	238.00	N447980	1.00	0.223
			238.00	239.00	N447981	1.00	0.296
			239.00	240.00	N447982	1.00	0.12
			240.00	241.00	N447983	1.00	0.529
			241.00	242.00	N447984	1.00	0.207
			242.00	243.00	N447985	1.00	0.175
			243.00	244.00	N447986	1.00	0.282
			244.00	244.70	N447987	0.70	0.241
			244.70	245.20	N447988	0.50	0.287
			245.20	246.00	N447989	0.80	0.223
			246.00	246.70	N447990	0.70	0.151
			246.70	247.14	N447991	0.44	0.098
			247.14	248.00	N447992	0.86	0.259
			248.00	249.00	N447993	1.00	0.426
			249.00	250.00	N447994	1.00	1.355
			250.00	251.00	N447995	1.00	1.425
250.40	250.41	Mo01					
		Molybdenite 1%					
		Along fracture with calcite					
250.50	260.85	V4; Cry; Per					
		Trachyte; CRYSTALRICH; PERLITIC					
		Med red to greyish. Aphanitic glassy groundmass with quenched perlitic texture. Purple to greyish subhedral					
		f-mg feldspar crystals. Intense potassic and ankerite alteration. Orangy-beige ankerite veinlets in irregular					
		networks. Disseminated py and vein controlled chalcopyrite.					
251.00	253.00	Py01	251.00	252.00	N447996	1.00	0.332
		Pyrite 1%	252.00	253.00	N447997	1.00	0.189
		fine grained disseminated	253.00	254.00	N447998	1.00	0.245
			254.00	255.00	N447999	1.00	1.235
			255.00	256.00	M852602	1.00	0.323
			256.00	257.00	M852603	1.00	0.106

Description			Assay				
			From	To	Sample number	Length	AuBest
257.00	258.00	Py03	257.00	258.00	M852604	1.00	0.292
		Pyrite 3%					
		AutoInsert by "trg_updMineral" Updated					
258.00	261.00	Py01	258.00	259.00	M852605	1.00	0.134
		Pyrite 1%	259.00	260.00	M852606	1.00	0.147
		fgr dis	260.00	261.00	M852607	1.00	0.304
260.85	274.00	V4; FlBand; Per					
		Trachyte; FLOWBANDED; PERLITIC					
		Med grey to mauve. Aphanitic glassy groundmass with perlitic texture. Strong potassic and ankerite alteration.					
		Weak to moderate persistant flow banding. Isolated wispy bands of magnetite. Qtz and ankerite veinlets with					
		localized chalco inclusions. Disseminated fg py.					
261.00	263.00	Py02	261.00	262.00	M852608	1.00	0.39
		Pyrite 2%	262.00	263.00	M852609	1.00	0.778
		fgr dis	263.00	264.00	M852610	1.00	3.48
			264.00	265.00	M852611	1.00	2.13
			265.00	266.00	M852612	1.00	3.88
			266.00	267.00	M852613	1.00	4.83
			267.00	268.00	M852614	1.00	6.23
			268.00	269.00	M852615	1.00	4.04
			269.00	270.00	M852616	1.00	3.71
			270.00	271.00	M852617	1.00	2.58
			271.00	272.00	M852618	1.00	4.22
			272.00	273.00	M852619	1.00	2.23
			273.00	273.52	M852620	0.52	0.357
			273.52	274.00	M852621	0.48	1.475
274.00	282.10	S3; FlBand; Per	274.00	275.00	M852622	1.00	1.095
		Greywacke; FLOWBANDED; PERLITIC	275.00	276.00	M852623	1.00	2.14
		Med grey to reddish intercalated fg foliated sediments and glassy trachytic flow. Strong potassic and ankerite	276.00	277.00	M852624	1.00	2.45
		alteration. Calcite alteration within sediments. Foliated to flow banded. Few isolated magnetite bands.	277.00	278.00	M852627	1.00	3.19
		Intermittent hematite altered bands. Isolated large pinky-red crystal rich fragments of glassy trachyte.	278.00	279.00	M852628	1.00	1.86
		Disseminated py.	279.00	280.00	M852629	1.00	2.12
			280.00	281.00	M852630	1.00	2.38
			281.00	282.00	M852631	1.00	1.895
274.00	280.00	Py02					
		Pyrite 2%					
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
282.00	285.00	Py03 **Pyrite 3%** fgr dis	282.00	283.00	M852632	1.00	4.57
282.10	298.00	V4; Fol; **Trachyte; Foliated;** Pale grey to yellowy-beige. Fg. Intense ankerite alteration with interstitial sericite. Moderate to strongly foliatiated. Selective tectonic folding.	283.00	284.00	M852633	1.00	3.8
			284.00	285.00	M852634	1.00	3.27
			285.00	286.00	M852635	1.00	0.566
			286.00	287.00	M852636	1.00	0.439
			287.00	288.00	M852637	1.00	0.069
			288.00	289.00	M852638	1.00	2.03
			289.00	290.00	M852639	1.00	0.416
			290.00	291.00	M852640	1.00	1.16
			291.00	292.00	M852641	1.00	1.115
			292.00	293.00	M852642	1.00	2.83
			293.00	294.00	M852643	1.00	3.28
			294.00	295.00	M852644	1.00	5.13
			295.00	296.00	M852645	1.00	0.847
			296.00	297.00	M852646	1.00	2.66
			297.00	298.00	M852647	1.00	1.02
298.00	322.40	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Pale yellowy-beige to med green trachyte. Tuffaceous and fragmental. Pale f-mg irregular fragments within greyish ankeritic groundmass. Interstital sericite elongated within foliation. Irregular ankerite veinlets. Traces of fuchsite. Trace disseminated py. Well developped pervasive foliation.	298.00	299.00	M852648	1.00	0.083
			299.00	300.00	M852649	1.00	0.203
			300.00	301.00	M852652	1.00	0.083
			301.00	302.00	M852653	1.00	0.431
			302.00	303.00	M852654	1.00	1.015
			303.00	304.00	M852655	1.00	2.6
304.00	305.00	Py00.5 **Pyrite 0.5%** AutoInsert by "trg_updMineral" Updated	304.00	305.00	M852656	1.00	4.4
			305.00	306.00	M852657	1.00	5.53
			306.00	307.00	M852658	1.00	4.93
			307.00	308.00	M852659	1.00	5.05
			308.00	309.00	M852660	1.00	4.03
			309.00	310.00	M852661	1.00	0.26
310.00	311.00	Py00.5 **Pyrite 0.5%** AutoInsert by "trg_updMineral" Updated	310.00	311.00	M852662	1.00	0.483
			311.00	312.00	M852663	1.00	0.156
			312.00	313.00	M852664	1.00	0.085
			313.00	314.00	M852665	1.00	0.052

Description			Assay				
			From	To	Sample number	Length	AuBest
			314.00	315.00	M852666	1.00	0.304
			315.00	316.00	M852667	1.00	0.512
			316.00	317.00	M852668	1.00	0.05
			317.00	318.00	M852669	1.00	0.026
			318.00	319.00	M852670	1.00	0.304
			319.00	320.00	M852671	1.00	0.172
			320.00	321.00	M852672	1.00	0.147
			321.00	322.00	M852673	1.00	0.086
			322.00	323.00	M852674	1.00	0.041
322.40	325.65	S3; Fol;	323.00	324.00	M852677	1.00	0.031
		Greywacke; Foliated;	324.00	325.00	M852678	1.00	0.035
		Med grey with pinky-red tinge. Fg. Pervasive lamination perpendicular tca. Thin grey magnetite bands.	325.00	326.00	M852679	1.00	0.335
		Hematite staining. Weak ankerite alteration. Few red and glassy trachytic horizons with sharp clear contacts.					
		Disseminated py.					
325.65	478.00	V4; Fol;	326.00	327.00	M852680	1.00	1.08
		Trachyte; Foliated;	327.00	328.00	M852681	1.00	0.123
		Pale yellowy-beige to med-dk green trachyte. Tuffaceous and fragmental with intercalated flow units. Pale f-mg	328.00	329.00	M852682	1.00	0.047
		irregular fragments within greyish ankeritic groundmass. Interstital sericite elongated within foliation tapering out	329.00	330.00	M852683	1.00	0.038
		downhole as unit becomes dominantly chloritic. Irregular carbonate veinlets. Disseminated magnetite. Trace	330.00	331.00	M852684	1.00	0.041
		disseminated py. Well developped pervasive foliation. Tectonic deformation - mantled porphyroblasts and s-c	331.00	332.00	M852685	1.00	0.072
		fabrics.	332.00	333.00	M852686	1.00	0.01
			333.00	334.00	M852687	1.00	<0.005
			334.00	335.00	M852688	1.00	0.018
			335.00	336.00	M852689	1.00	0.008
			336.00	337.00	M852690	1.00	0.006
			337.00	338.00	M852691	1.00	<0.005
			338.00	339.00	M852692	1.00	0.006
			339.00	340.00	M852693	1.00	<0.005
			340.00	341.00	M852694	1.00	<0.005
			341.00	342.00	M852695	1.00	<0.005
			342.00	343.00	M852696	1.00	0.007
			343.00	344.00	M852697	1.00	0.03
			344.00	345.00	M852698	1.00	0.066
			345.00	346.00	M852699	1.00	0.055
			346.00	347.00	M852702	1.00	0.007

Description	Assay				
	From	To	Sample number	Length	AuBest
	347.00	348.00	M852703	1.00	0.12
	348.00	349.00	M852704	1.00	0.007
	349.00	350.00	M852705	1.00	0.011
	350.00	351.00	M852706	1.00	<0.005
	351.00	352.00	M852707	1.00	<0.005
	352.00	353.00	M852708	1.00	<0.005
	353.00	354.00	M852709	1.00	0.012
	354.00	355.00	M852710	1.00	0.011
	355.00	356.00	M852711	1.00	0.213
	356.00	357.00	M852712	1.00	0.007
	357.00	358.00	M852713	1.00	<0.005
	358.00	359.00	M852714	1.00	0.062
	359.00	360.00	M852715	1.00	<0.005
	360.00	361.00	M852716	1.00	<0.005
	361.00	362.00	M852717	1.00	0.348
	362.00	363.00	M852718	1.00	<0.005
	363.00	364.00	M852719	1.00	0.013
	364.00	365.00	M852720	1.00	0.015
	365.00	366.00	M852721	1.00	0.016
	366.00	367.00	M852722	1.00	0.013
	367.00	368.00	M852723	1.00	0.009
	368.00	369.00	M852724	1.00	<0.005
	369.00	370.00	M852727	1.00	0.007
	370.00	371.00	M852728	1.00	<0.005
	371.00	372.00	M852729	1.00	0.024
	372.00	373.00	M852730	1.00	0.072
	373.00	374.00	M852731	1.00	<0.005
	374.00	375.00	M852732	1.00	<0.005
	375.00	376.00	M852733	1.00	0.046
	376.00	377.00	M852734	1.00	0.006
	377.00	378.00	M852735	1.00	<0.005
	378.00	379.00	M852736	1.00	<0.005
	379.00	380.00	M852737	1.00	<0.005
	380.00	381.00	M852738	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	381.00	382.00	M852739	1.00	<0.005
	382.00	383.00	M852740	1.00	<0.005
	383.00	384.00	M852741	1.00	0.005
	384.00	385.00	M852742	1.00	<0.005
	385.00	386.00	M852743	1.00	<0.005
	386.00	387.00	M852744	1.00	<0.005
	387.00	388.00	M852745	1.00	<0.005
	388.00	389.00	M852746	1.00	<0.005
	389.00	390.00	M852747	1.00	<0.005
	390.00	391.00	M852748	1.00	<0.005
	391.00	392.00	M852749	1.00	<0.005
	392.00	393.00	M852752	1.00	0.013
	393.00	394.00	M852753	1.00	<0.005
	394.00	395.00	M852754	1.00	<0.005
	395.00	396.00	M852755	1.00	<0.005
	396.00	397.00	M852756	1.00	<0.005
	397.00	398.00	M852757	1.00	<0.005
	398.00	399.00	M852758	1.00	<0.005
	399.00	400.00	M852759	1.00	<0.005
	400.00	401.00	M852760	1.00	<0.005
	401.00	402.00	M852761	1.00	<0.005
	402.00	403.00	M852762	1.00	<0.005
	403.00	404.00	M852763	1.00	<0.005
	404.00	405.00	M852764	1.00	<0.005
	405.00	406.00	M852765	1.00	<0.005
	406.00	407.00	M852766	1.00	<0.005
	407.00	408.00	M852767	1.00	<0.005
	408.00	409.00	M852768	1.00	<0.005
	409.00	410.00	M852769	1.00	0.006
	410.00	411.00	M852770	1.00	<0.005
	411.00	412.00	M852771	1.00	<0.005
	412.00	413.00	M852772	1.00	<0.005
	413.00	414.00	M852773	1.00	0.011
	414.00	415.00	M852774	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	415.00	416.00	M852777	1.00	0.006
	416.00	417.00	M852778	1.00	<0.005
	417.00	418.00	M852779	1.00	<0.005
	418.00	419.00	M852780	1.00	<0.005
	419.00	420.00	M852781	1.00	<0.005
	420.00	421.00	M852782	1.00	<0.005
	421.00	422.00	M852783	1.00	<0.005
	422.00	423.00	M852784	1.00	<0.005
	423.00	424.00	M852785	1.00	<0.005
	424.00	425.00	M852786	1.00	<0.005
	425.00	426.00	M852787	1.00	<0.005
	426.00	427.00	M852788	1.00	<0.005
	427.00	428.00	M852789	1.00	<0.005
	428.00	429.00	M852790	1.00	<0.005
	429.00	430.00	M852791	1.00	<0.005
	430.00	431.00	M852792	1.00	<0.005
	431.00	432.00	M852793	1.00	<0.005
	432.00	433.00	M852794	1.00	<0.005
	433.00	434.00	M852795	1.00	0.009
	434.00	435.00	M852796	1.00	<0.005
	435.00	436.00	M852797	1.00	<0.005
	436.00	437.00	M852798	1.00	0.005
	437.00	438.00	M852799	1.00	<0.005
	438.00	439.00	M852802	1.00	<0.005
	439.00	440.00	M852803	1.00	<0.005
	440.00	441.00	M852804	1.00	<0.005
	441.00	442.00	M852805	1.00	<0.005
	442.00	443.00	M852806	1.00	<0.005
	443.00	444.00	M852807	1.00	<0.005
	444.00	445.00	M852808	1.00	<0.005
	445.00	446.00	M852809	1.00	<0.005
	446.00	447.00	M852810	1.00	<0.005
	447.00	448.00	M852811	1.00	<0.005
	448.00	449.00	M852812	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	449.00	450.00	M852813	1.00	0.013
	450.00	451.00	M852814	1.00	0.011
	451.00	452.00	M852815	1.00	<0.005
	452.00	453.00	M852816	1.00	<0.005
	453.00	454.00	M852817	1.00	<0.005
	454.00	455.00	M852818	1.00	<0.005
	455.00	456.00	M852819	1.00	<0.005
	456.00	457.00	M852820	1.00	<0.005
	457.00	458.00	M852821	1.00	<0.005
	458.00	459.00	M852822	1.00	<0.005
	459.00	460.00	M852823	1.00	<0.005
	460.00	461.00	M852824	1.00	<0.005
	461.00	462.00	M852827	1.00	<0.005
	462.00	463.00	M852828	1.00	<0.005
	463.00	464.00	M852829	1.00	<0.005
	464.00	465.00	M852830	1.00	<0.005
	465.00	466.00	M852831	1.00	<0.005
	466.00	467.00	M852832	1.00	<0.005
	467.00	468.00	M852833	1.00	<0.005
	468.00	469.00	M852834	1.00	<0.005
	469.00	470.00	M852835	1.00	<0.005
	470.00	471.00	M852836	1.00	<0.005
	471.00	472.00	M852837	1.00	<0.005
	472.00	473.00	M852838	1.00	<0.005
	473.00	474.00	M852839	1.00	<0.005
	474.00	475.00	M852840	1.00	<0.005
	475.00	476.00	M852841	1.00	<0.005
	476.00	477.00	M852842	1.00	<0.005
	477.00	478.00	M852843	1.00	<0.005
478.00	**End of DDH**				
	Number of samples: 443				
	Number of QAQC samples: 38				
	Total sampled length: 437.90				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_34

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Gilles Kamta	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	05/03/2014	Description date:	09/03/2014
		To:	14/03/2014		

Collar

Azimuth: 180.0°
Dip: -55.0°
Length: 411.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,716.713
North	0.0	0.000	5,331,394.366
Elevation	0.0	0.000	344.346

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-55.0°	No	
ReflexEZS	54.00	184.9°	-55.5°	No	Mag = 57350
ReflexEZS	114.00	183.2°	-56.6°	No	Mag = 56049
ReflexEZS	174.00	184.4°	-56.4°	No	Mag = 56021
ReflexEZS	234.00	183.0°	-57.4°	No	Mag = 55791
ReflexEZS	294.00	183.6°	-58.0°	No	Mag = 55445
ReflexEZS	354.00	182.9°	-57.5°	No	Mag = 55990

Description

Re-Logged by Ciara Cooke.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	45.30	OVB **Overburden** Casing and overburden.					
45.30	108.50	V4; Per; FlBand **Trachyte; PERLITIC; FLOWBANDED** Med orangy to purple-greyish red. Trachytic flow. Aphanitic glassy groundmass with strong potassic alteration and quenched perlitic texture. Moderate ankerite alteration infilling pervasive micro-brecciation. Intercalated strongly chl-magnetite altered flow top chill margins. Chill margins are very fg and banded with ankeritized trachyte. Selective flow banding throughout unit - undulating layers of orangy anhydrite with black magnetic chill bands and dk purple fluorite incl as well as minor calcite alteraiton. Isolated oxidized and rubbly core down to 55m - possible fault zones. White-beige ankerite veining throughout unit from wispy hairlines to stockwork veining. 0.2 to 5 pct fg disseminated to clustered py with trace vein controlled chalco.					
45.30	108.50	K03; Ank02; Cl02; Mgt02 **Potassic 3; Ankerite 2; Chlorite 2; Magnetite 2** Strong potassic alteration with moderate to strong ankerite infilling microbreccias. Isolated black banding of strong chl and magnetite alteration.	45.30	46.00	I279755	0.70	0.243
45.30	46.00	Py00.5 **Pyrite 0.5%** fine grained pyrite					
45.70	71.50	Vn;3%;Qak;Ra;;; **vein (5 mm - 10 cm) 3% quartz-ankerite random** Greyish-white to milky ankerite veining with minor qtz. Irregular veinlets with few vein and veinlet stockworks. Veinlets both cross-cutting flow-banding and disjointed within.					
46.00	47.00	Py03 **Pyrite 3%** euhedral and fine grained disseminated pyrite, pyrite infilled qtz-carbonates veinlets	46.00	47.00	I279756	1.00	5.26
47.00	49.00	FAZ; Gg **Fault Zone 60°; Fault gouge** Oxidized and decomposing rubbly core. Possible fault zones. Gouge from 47-47.25 m as well as 48-48.20 m and 48.50-48.70.	47.00	48.00	I279757	1.00	5.04
47.00	48.00	Py03 **Pyrite 3%** Fine grained disseminated, massive pyrite infilled veins					
48.00	49.00	Py02 **Pyrite 2%** fine grained pyrite	48.00	49.00	I279758	1.00	0.558
49.00	50.00	Py01 **Pyrite 1%** Euhedral and fine grained disseminated pyrite	49.00	50.00	I279759	1.00	0.258
50.00	51.00	Py01	50.00	51.00	I279760	1.00	2.23

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
51.00	53.00	Py02	51.00	52.00	I279761	1.00	5.87
		Pyrite 2%	52.00	53.00	I279762	1.00	3.79
		Stringers veinlets fine grained pyrite					
53.00	58.85	Py01	53.00	54.00	I279763	1.00	2.69
		Pyrite 1%	54.00	55.00	I279764	1.00	0.82
		Fine grained disseminated pyrite	55.00	56.00	I279765	1.00	0.399
			56.00	57.00	I279766	1.00	0.213
			57.00	58.00	I279767	1.00	0.607
			58.00	58.85	I279768	0.85	0.077
58.85	60.00	Py02	58.85	60.00	I279769	1.15	0.124
		Pyrite 2%					
60.00	64.00	FTH; FlBand	60.00	60.75	I279770	0.75	0.115
		Flow Top/Hyaloclastite 20°; FLOWBANDED					
		Dk green to black flow top - chill margins. Very fg. Strong pervasive chl-magnetite alteration. Wispy					
		irregular rafts banded within potassic-ankerite altered trachyte. Sharp distinct but irregulat ctcs.					
60.00	60.75	Py00.7					
		Pyrite 0.7%					
60.75	63.30	Py00.5	60.75	61.75	I279771	1.00	0.01
		Pyrite 0.5%	61.75	62.64	I279772	0.89	0.103
		fine disseminated Py	62.64	63.30	I279773	0.66	0.268
63.30	64.00	Py01	63.30	64.00	I279774	0.70	0.271
		Pyrite 1%					
		fine disseminated Py					
64.00	73.00	Py00.7	64.00	65.00	I279777	1.00	0.143
		Pyrite 0.7%	65.00	66.00	I279778	1.00	0.017
		fine disseminated Py	66.00	67.00	I279779	1.00	0.071
			67.00	68.00	I279780	1.00	0.033
			68.00	69.00	I279781	1.00	0.042
			69.00	70.00	I279782	1.00	0.046
			70.00	71.00	I279783	1.00	0.061
			71.00	72.00	I279784	1.00	0.081
71.50	108.50	Vt;1%;Ak;Ra;;;	72.00	73.00	I279785	1.00	0.061
		veinlet (1-5 mm) 1% ankerite random					
		WIspy hairlines to veinlets. Minor qtz component.					
73.00	80.50	Py01	73.00	73.80	I279786	0.80	0.106
		Pyrite 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
73.75	74.50	FTH; FlBand	73.80	74.45	I279787	0.65	0.055
		Flow Top/Hyaloclastite; FLOWBANDED	74.45	75.00	I279788	0.55	0.157
		Dk green to black flow top - chill margins. Very fg. Strong pervasive chl-magnetite alteration. Wispy	75.00	76.00	I279789	1.00	0.107
		irregular rafts banded within potassic-ankerite altered trachyte. Sharp distinct but irregulat ctcs.	76.00	77.00	I279790	1.00	0.212
			77.00	78.00	I279791	1.00	0.157
			78.00	79.00	I279792	1.00	0.328
			79.00	79.68	I279793	0.68	0.21
			79.68	80.50	I279794	0.82	0.184
79.70	81.00	FTH; FlBand					
		Flow Top/Hyaloclastite; FLOWBANDED					
		Dk green to black flow top - chill margins. Very fg. Strong pervasive chl alteration with weak magnetite.					
		Wispy irregular rafts banded within potassic-ankerite altered trachyte. Sharp distinct but irregulat ctcs.					
80.50	81.00	Py00.5	80.50	81.00	I279795	0.50	0.017
		Pyrite 0.5%					
81.00	83.00	Py01	81.00	82.00	I279796	1.00	0.135
		Pyrite 1%	82.00	83.00	I279797	1.00	0.081
		fine disseminated Py					
82.30	87.00	FTH; FlBand					
		Flow Top/Hyaloclastite; FLOWBANDED					
		Dk green to black flow top - chill margins comprising approx 45 pct of trachytic unit. Very fg. Strong					
		pervasive chl alteration with moderate magnetite. Wispy irregular rafts banded within potassic-ankerite					
		altered trachyte. Sharp distinct but irregulat ctcs.					
83.00	86.00	Py02	83.00	84.00	I279798	1.00	0.171
		Pyrite 2%	84.00	85.00	I279799	1.00	0.291
		fine disseminated Py	85.00	86.00	Q283002	1.00	0.097
86.00	87.00	Py01	86.00	87.00	Q283003	1.00	0.316
		Pyrite 1%					
87.00	89.00	Py02	87.00	88.00	Q283004	1.00	1.19
		Pyrite 2%	88.00	89.00	Q283005	1.00	2.46
		fine disseminated and euhedral pyrite					
89.00	95.00	Py03	89.00	90.00	Q283006	1.00	0.872
		Pyrite 3%	90.00	91.00	Q283007	1.00	0.793
		fine disseminated Py or infilled fractures	91.00	92.00	Q283008	1.00	1.175
			92.00	93.00	Q283009	1.00	1.145
			93.00	94.00	Q283010	1.00	0.289
			94.00	95.00	Q283011	1.00	0.431

Description			Assay				
			From	To	Sample number	Length	AuBest
95.00	96.00	Py02 **Pyrite 2%** fine disseminated Py	95.00	96.00	Q283012	1.00	0.466
96.00	101.00	Py01 **Pyrite 1%** fine disseminated Py	96.00	97.00	Q283013	1.00	0.471
			97.00	98.00	Q283014	1.00	2.49
			98.00	99.00	Q283015	1.00	5.87
			99.00	100.00	Q283016	1.00	1.425
			100.00	101.00	Q283017	1.00	0.409
101.00	105.00	Py00.7 **Pyrite 0.7%**	101.00	102.00	Q283018	1.00	0.898
			102.00	103.00	Q283019	1.00	0.507
			103.00	104.00	Q283020	1.00	0.59
			104.00	105.00	Q283021	1.00	1.705
105.00	110.00	Py01 **Pyrite 1%** fine disseminated Py	105.00	106.00	Q283022	1.00	0.478
			106.00	107.00	Q283023	1.00	0.351
			107.00	108.00	Q283024	1.00	0.525
			108.00	108.40	Q283027	0.40	0.206
			108.40	109.20	Q283028	0.80	0.159
108.50	151.25	V4; Hya; Per **Trachyte; Hyaloclastite; PERLITIC** Pale to med grey-beige to dk green-black. Trachytic flow unit with hyaloclastite chill margins and interspersed glassy perlitic flow. Chill margins are dk green to black and fg gritty with intense chl alteration and hyaloclastite textures comprising majority of interval. Moderate to strong selective ankerite throughout interval. Selective sericite and isolated silicification as well as traces of potassic alteration confined to cohesive flow units. White to greyish-beige ankerite veinlets are abundant within chill margins with greyish purple qtz veining dominating the more cohesive flow units. Fg mineralization within cohesive flow units. Core broken and rubbley in select locations.	109.20	110.00	Q283029	0.80	0.01
108.50	119.30	Ank02; Se02; Si02; Cl03 **Ankerite 2; Sericite 2; Silica 2; Chlorite 3** Moderate to strong selective ankerite alteration. Moderate selective sericite. Weak to moderate selective silicification. Isolated rafts of dk green to black chl alteration.					
110.00	111.10	Py00.7 **Pyrite 0.7%**	110.00	111.10	Q283030	1.10	0.045
111.10	112.80	Py00.5 **Pyrite 0.5%** fine disseminated Py	111.10	112.00	Q283031	0.90	0.042
112.00	133.00	Vn;3%;Sgq;Ra;;; **vein (5 mm - 10 cm) 3% smoky grey quartz random** Translucent light purple-greyish qtz veining within trachytic flow units - irregular and fractured. Small and	112.00	112.80	Q283032	0.80	0.104

Description			Assay				
			From	To	Sample number	Length	AuBest
		irregular white-beige ankerite veinlets conc within flow top chill margins.					
112.80	114.15	Py01	112.80	113.50	Q283033	0.70	0.055
		Pyrite 1%	113.50	114.15	Q283034	0.65	0.057
		fine disseminated Py					
114.15	115.00	Py00.2	114.15	115.00	Q283035	0.85	0.016
		Pyrite 0.2%					
		traces					
115.00	116.07	Py01	115.00	116.07	Q283036	1.07	0.057
		Pyrite 1%					
		fine disseminated Py					
116.07	116.60	Py00.3	116.07	116.60	Q283037	0.53	0.01
		Pyrite 0.3%					
		traces					
116.60	117.40	Py00.7	116.60	117.40	Q283038	0.80	0.111
		Pyrite 0.7%					
117.40	118.00	Py00.7	117.40	118.00	Q283039	0.60	0.083
		Pyrite 0.7%					
		fine disseminated Py					
118.00	118.70	Py01	118.00	118.70	Q283040	0.70	0.027
		Pyrite 1%					
118.70	119.30	Py00.7	118.70	119.30	Q283041	0.60	0.101
		Pyrite 0.7%					
119.30	146.00	Cl03; Ank02	119.30	120.00	Q283042	0.70	0.005
		Chlorite 3; Ankerite 2					
		Intense selective dk green to black chl. Moderate selective ankerite alteration.					
119.30	120.00	Py00.2					
		Pyrite 0.2%					
		traces					
120.00	120.83	Py00.5	120.00	120.83	Q283043	0.83	0.02
		Pyrite 0.5%					
		fine disseminated Py					
120.83	121.50	Py02	120.83	121.50	Q283044	0.67	0.035
		Pyrite 2%					
		fine disseminated Py and massive pyrite					
121.50	123.00	Py00.2	121.50	122.00	Q283045	0.50	<0.005
		Pyrite 0.2%	122.00	123.00	Q283046	1.00	0.013
123.00	125.00	Py00.1	123.00	124.00	Q283047	1.00	0.013
		Pyrite 0.1%	124.00	125.00	Q283048	1.00	<0.005
125.00	129.00	Py00.5	125.00	126.00	Q283049	1.00	0.025

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine disseminated Py					
125.30	125.70	FLT; Gg	126.00	127.00	Q283052	1.00	0.033
		Fault 50°; Fault gouge					
		highly fractures zone mixt of gouge and fragments					
127.00	127.10	FLT	127.00	128.00	Q283053	1.00	0.026
		Fault 60°	128.00	129.00	Q283054	1.00	0.036
		mixed of gouge and fragments					
129.00	135.00	Py00.2	129.00	130.00	Q283055	1.00	0.039
		Pyrite 0.2%	130.00	131.00	Q283056	1.00	0.018
		traces	131.00	132.00	Q283057	1.00	0.018
			132.00	133.00	Q283058	1.00	0.014
133.00	151.25	Vt;7%;Ak;Ra;;;	133.00	134.00	Q283059	1.00	0.038
		veinlet (1-5 mm) 7% ankerite random	134.00	135.00	Q283060	1.00	<0.005
		Abundant greyish-beige ankerite veinlets. Few greyish translucent qtz veins.					
135.00	137.00	Py00.5	135.00	136.00	Q283061	1.00	0.015
		Pyrite 0.5%	136.00	137.00	Q283062	1.00	0.031
		fine disseminated Py					
137.00	141.10	Py00.2	137.00	138.00	Q283063	1.00	0.01
		Pyrite 0.2%	138.00	139.00	Q283064	1.00	0.015
		traces	139.00	140.00	Q283065	1.00	<0.005
			140.00	141.10	Q283066	1.10	0.005
140.80	141.00	FLT; Gg					
		Fault 30°; Fault gouge					
		mixted of gouge - chlorite and fragments					
141.10	141.85	Py02	141.10	141.85	Q283067	0.75	0.139
		Pyrite 2%					
141.85	146.00	Py00.2	141.85	143.00	Q283068	1.15	0.007
		Pyrite 0.2%	143.00	144.00	Q283069	1.00	0.046
		traces of pyrite	144.00	145.00	Q283070	1.00	0.005
			145.00	146.00	Q283071	1.00	0.009
146.00	163.35	Ank02; Mgt02; Se01; K01; Si01	146.00	147.00	Q283072	1.00	0.241
		Ankerite 2; Magnetite 2; Sericite 1; Potassic 1; Silica 1	147.00	148.00	Q283073	1.00	0.176
		Moderate to strong selective ankerite alteration. Moderate patchy magnetism. Weak selective					
		sericite-potassic and silicate alteration.					
146.00	148.00	Py00.7					
		Pyrite 0.7%					
		euhedral and fine grained py					

Description			Assay				
			From	To	Sample number	Length	AuBest
148.00	151.00	Py01	148.00	149.00	Q283074	1.00	0.295
		Pyrite 1%	149.00	150.00	Q283077	1.00	0.222
		euhedral and fine grained py	150.00	151.00	Q283078	1.00	0.168
151.00	157.00	Py03	151.00	152.00	Q283079	1.00	0.365
		Pyrite 3%					
		euhedral and fine grained py					
151.25	163.40	V4; Per	152.00	153.00	Q283080	1.00	0.305
		Trachyte; PERLITIC	153.00	154.00	Q283081	1.00	0.2
		Med greyish beige trachyte. Aphanitic glassy groundmass with ankerite-sericite-potassic alteration and	154.00	155.00	Q283082	1.00	0.261
		quenched perlitic texture. Selective irregular patches of moderate magnetism. Few intercalated dk green-black	155.00	156.00	Q283083	1.00	0.192
		chl-magnetite flow top chill margins with irregular but sharp ctcs and abundant ankeritic stockworks. Few	156.00	157.00	Q283084	1.00	0.085
		greyish-white qtz veining. Up to 5 pct fg disseminated py.					
151.25	154.30	Vn;2%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite random					
		White to greyish qtz veining with minor ankerite incl.					
157.00	159.00	Py05	157.00	158.00	Q283085	1.00	0.274
		Pyrite 5%	158.00	159.00	Q283086	1.00	0.741
		euhedral and fine grained py					
159.00	176.00	Py01	159.00	160.00	Q283087	1.00	0.322
		Pyrite 1%	160.00	161.00	Q283088	1.00	0.286
		euhedral and fine grained py	161.00	162.00	Q283089	1.00	0.261
			162.00	163.00	Q283090	1.00	0.175
			163.00	163.50	Q283091	0.50	0.179
163.35	171.00	Ank03; Mgt02; Cl03; Se01; K01; Fu00					
		Ankerite 3; Magnetite 2; Chlorite 3; Sericite 1; Potassic 1; Fuchsite 0					
		Strong selective ankerite with weak to moderate silicification. Isolated zones of strong chl-magnetite					
		alteration. Weak isolated potassic alteration. Isolated traces of very weak fuchsite discolouration.					
163.40	171.00	V4; Hya; Per; FlBand	163.50	164.00	Q283092	0.50	0.121
		Trachyte 30°; Hyaloclastite; PERLITIC; FLOWBANDED					
		Pale to med purple-grey with isolated dk green-black banding. Trachytic flow unit with hyaloclastite chill					
		margins and interspersed glassy perlitic flow selectively banded together. Chill margins are dk green to black					
		and fg gritty with intense chl alteration and hyaloclastite textures. Moderate to strong selective ankerite with					
		patchy moderate magnetism and weak isolated sericite and potassic alteration. Milky greyish-white ankerite					
		veinlets with minor qtz forming selected stockworks. Fine disseminated py up to 1pct. Core is broken and					
		rubbley at lower ctc.					
163.70	170.00	Vt;3%;Qak;Ra;;;	164.00	165.00	Q283093	1.00	0.21
		veinlet (1-5 mm) 3% quartz-ankerite random	165.00	166.00	Q283094	1.00	0.11
		Milky white to greyish ankerite veining with minor qtz. Localized stockworks to isolated veins.	166.00	167.00	Q283095	1.00	0.157

Description			Assay				
			From	To	Sample number	Length	AuBest
			167.00	168.00	Q283096	1.00	0.16
			168.00	169.00	Q283097	1.00	0.224
			169.00	170.00	Q283098	1.00	0.291
			170.00	171.00	Q283099	1.00	0.139
171.00	194.30	V4; Per; FlBand; S6					
		Trachyte; PERLITIC; FLOWBANDED; Siltstone					
		Volcano-sedimentary unit along base of volcanics. Pale to med greyish-mauve. Flow banded to laminated very fg silty sedimentary layers with fragmented altered glassy perlitic flow. Moderate to strong selective ankerite alteration. Weak isolated potassic alteration. Non magnetic. Distinct layering with visible mm-scale displacement perpendicular to layers. Isolated wispy interstitial sericitization. Irregular white to pinky ankerite-qtz veinlets with orangy barite incl. 0.5 to 3 pct fg disseminated py. Isolated vein controlled traces of chalcopyrite and molybdenite.					
171.00	194.30	Ank02; K02; Se01					
		Ankerite 2; Potassic 2; Sericite 1					
		Moderate to strong selective ankerite alteration. Weak to moderate selected potassic alteration. Weak isolated wispy-interstitial sericite.					
171.00	194.70	Vt;1%;Qak;Ra;;;	171.00	172.00	Q283102	1.00	0.161
		veinlet (1-5 mm) 1% quartz-ankerite random	172.00	173.00	Q283103	1.00	0.143
		Orangy-red to white-grey ankerite-qtz veinlets with isolated barite incl. Irregular and cross-cutting.	173.00	174.00	Q283104	1.00	0.191
			174.00	175.00	Q283105	1.00	0.138
			175.00	176.00	Q283106	1.00	0.129
176.00	177.00	Py00.7	176.00	177.00	Q283107	1.00	0.207
		Pyrite 0.7%					
		Euhedral and disseminated fine grained py					
177.00	178.00	Py01	177.00	178.00	Q283108	1.00	0.171
		Pyrite 1%					
178.00	179.00	Py01	178.00	179.00	Q283109	1.00	0.15
		Pyrite 1%					
		Euhedral and disseminated fine grained py					
179.00	180.00	Py01	179.00	180.00	Q283110	1.00	0.157
		Pyrite 1%					
180.00	181.00	Py00.5	180.00	181.00	Q283111	1.00	0.24
		Pyrite 0.5%					
181.00	182.00	Py00.7	181.00	182.00	Q283112	1.00	0.135
		Pyrite 0.7%					
		Euhedral and disseminated fine grained py					
182.00	183.00	Py01	182.00	183.00	Q283113	1.00	0.165
		Pyrite 1%					
		Euhedral and disseminated fine grained py					

Description			Assay				
			From	To	Sample number	Length	AuBest
183.00	184.00	Py01	183.00	184.00	Q283114	1.00	0.358
		Pyrite 1%					
		Euhedral and disseminated fine grained py					
184.00	185.00	Py02	184.00	185.00	Q283115	1.00	0.286
		Pyrite 2%					
		Euhedral and disseminated fine grained py					
185.00	186.00	Py03	185.00	186.00	Q283116	1.00	0.238
		Pyrite 3%					
		Euhedral and disseminated fine grained py					
186.00	187.00	Py01; Cp00.2; Mo	186.00	187.00	Q283117	1.00	0.184
		Pyrite 1%; Chalcopyrite 0.2%; Molybdenite					
187.00	188.00	Py03; Cp00.2	187.00	188.00	Q283118	1.00	0.244
		Pyrite 3%; Chalcopyrite 0.2%					
		massive Pyrite Chalcopyrite localized in a vuggy qtz-carb vein					
188.00	189.00	Py03	188.00	189.00	Q283119	1.00	0.473
		Pyrite 3%					
189.00	190.00	Py03	189.00	190.00	Q283120	1.00	0.338
		Pyrite 3%					
190.00	191.00	Py04	190.00	191.00	Q283121	1.00	0.274
		Pyrite 4%					
		Euhedral and disseminated fine grained py					
191.00	192.00	Py03	191.00	192.00	Q283122	1.00	0.409
		Pyrite 3%					
		Euhedral and disseminated fine grained py					
192.00	193.00	Py00.7	192.00	193.00	Q283123	1.00	0.491
		Pyrite 0.7%					
		Euhedral and disseminated fine grained py					
193.00	193.90	Py00.7; Mg00.3	193.00	193.90	Q283124	0.90	0.336
		Pyrite 0.7%; Magnetite 0.3%					
193.90	195.00	Py01; Mg00.3	193.90	195.00	Q283127	1.10	0.242
		Pyrite 1%; Magnetite 0.3%					
		Euhedral and disseminated fine grained py					
194.30	207.60	V4; FlBand					
		Trachyte; FLOWBANDED					
		Med green to greyish mauve with orangy-red to beige banding. Fg. Moderate selective ankerite alteration with interstitial sericite and selective potassic alteration. Selective moderate disseminated f-mg magnetite. Moderate light green chl alteration. Distinct flow-banding. Chl-sericite alternating with potassic altered layers. Deep rusty-red to white veining - potassic dominant with ankerite and minor qtz. Visible mm-scale displacement perpendicular to flow-banding. Few intercalcted silty very fg greyish-mauve units with distinct but irregular almost transitional ctcs. 1pct fg disseminated py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
194.30	207.60	Ank02; Se02; K02; Mgt01; Cl01 **Ankerite 2; Sericite 2; Potassic 2; Magnetite 1; Chlorite 1** Moderate selective ankerite alteration. Moderate interstital to banded sericitization. Moderate to strong isolated potassic alteration - typically vein associated and banded. Weak to moderate disseminated magnetite. Weak to moderate light to med green chl alteration.					
195.00	196.00	Py01 **Pyrite 1%** Euhedral and disseminated fine grained py					
195.00	207.80	Vn;5%;Qak;Ra;;; **vein (5 mm - 10 cm) 5% quartz-ankerite random** Deep rusty red to white-greyish ankerite-qtz veining with dominating potassic alteration. Irregular and cross-cutting flow-banding.	195.00	196.00	Q283128	1.00	0.91
196.00	197.00	Py01 **Pyrite 1%**	196.00	197.00	Q283129	1.00	0.553
197.00	198.00	Py01 **Pyrite 1%** Euhedral and disseminated fine grained py	197.00	198.00	Q283130	1.00	0.627
198.00	199.00	Py01 **Pyrite 1%** Euhedral and disseminated fine grained py	198.00	199.00	Q283131	1.00	0.389
199.00	200.00	Py01; Mg00.3 **Pyrite 1%; Magnetite 0.3%** Euhedral and disseminated fine grained py and magnetite	199.00	200.00	Q283132	1.00	0.47
200.00	201.00	Py01; Mg00.3 **Pyrite 1%; Magnetite 0.3%** Euhedral and disseminated fine grained py and magnetite	200.00	201.00	Q283133	1.00	0.274
201.00	202.00	Py01; Mg00.4 **Pyrite 1%; Magnetite 0.4%**	201.00	202.00	Q283134	1.00	0.636
202.00	203.00	Py01; Mg00.5 **Pyrite 1%; Magnetite 0.5%** Euhedral and disseminated fine grained py	202.00	203.00	Q283135	1.00	0.271
203.00	204.00	Py01; Mg00.5 **Pyrite 1%; Magnetite 0.5%** Euhedral and disseminated fine grained py and magnetite	203.00	204.00	Q283136	1.00	1.405
204.00	205.00	Py01; Mg00.2 **Pyrite 1%; Magnetite 0.2%**	204.00	205.00	Q283137	1.00	0.729
205.00	206.00	Py01; Mg00.2 **Pyrite 1%; Magnetite 0.2%**	205.00	206.00	Q283138	1.00	0.563
206.00	207.00	Py01; Mg00.2 **Pyrite 1%; Magnetite 0.2%**	206.00	207.00	Q283139	1.00	0.912

Description			Assay				
			From	To	Sample number	Length	AuBest
207.00	208.00	Py02 **Pyrite 2%** Euhedral and disseminated fine grained py, pyrite infilled fracture or // foliation	207.00	208.00	Q283140	1.00	0.706
207.60	219.95	S6; Lam; V4; FlBand **Siltstone; Laminated; Trachyte; FLOWBANDED** Volcano-sedimentary unit along base of volcanics. Pale to med greyish-mauve. Flow banded to laminated. Very fg silty sedimentary layers. Gritty texture. Minor fragments of altered glassy perlitic flow. Moderate to strong selective ankerite alteration. Weak isolated potassic alteration. Non magnetic. Distinct layering with visible mm-scale displacement perpendicular to banding. Rusty-orange material infilling fractures. Irregular white to rusty orange ankerite-qtz veinlets with barite incl. 1 to 3 pct fg disseminated py.					
207.60	216.40	Ank02; K01 **Ankerite 2; Potassic 1** Moderate selective ankerite alteration. Weak isolated potassic alteration.					
207.80	321.35	Vt;1%;Qak;Ra;;; **veinlet (1-5 mm) 1% quartz-ankerite random** Greyish-white to rusty-orange ankerite-qtz veinlets and hairlines. Selective potassic alteration. Trace incl of barite.					
208.00	209.00	Py03 **Pyrite 3%** Euhedral and disseminated fine grained py	208.00	209.00	Q283141	1.00	0.438
209.00	210.00	Py01 **Pyrite 1%** Euhedral and disseminated fine grained py	209.00	210.00	Q283142	1.00	0.231
210.00	211.00	Py01 **Pyrite 1%** Euhedral and disseminated fine grained py	210.00	211.00	Q283143	1.00	0.443
211.00	212.00	Py01 **Pyrite 1%** Euhedral and disseminated fine grained py	211.00	212.00	Q283144	1.00	0.472
212.00	213.00	Py02 **Pyrite 2%** Euhedral and disseminated fine grained py	212.00	213.00	Q283145	1.00	0.215
213.00	214.00	Py02 **Pyrite 2%** Euhedral and disseminated fine grained py	213.00	214.00	Q283146	1.00	0.183
214.00	215.00	Py01 **Pyrite 1%** Euhedral and disseminated fine grained py	214.00	215.00	Q283147	1.00	0.53
215.00	216.00	Py02 **Pyrite 2%**	215.00	216.00	Q283148	1.00	0.59

Description			Assay				
			From	To	Sample number	Length	AuBest
		Euhedral and disseminated fine grained py					
216.00	217.00	Py02	216.00	217.00	Q283149	1.00	1.345
		Pyrite 2%					
		Euhedral and disseminated fine grained py					
216.40	223.15	Ank02; Se02; K01; Mgt02; Cl02					
		Ankerite 2; Sericite 2; Potassic 1; Magnetite 2; Chlorite 2					
		Weak to strong selective ankerite alteration. Weak to strong selective wispy-interstitial sericitization - increasing intensity to lower ctc. Weak to moderate isolated potassic alteration - typically vein associated. Moderate selectively disseminated magnetite. Moderate light green chl.					
217.00	218.00	Py03; Mg00.5	217.00	218.00	Q283152	1.00	1.285
		Pyrite 3%; Magnetite 0.5%					
		Euhedral and disseminated fine grained py					
218.00	219.00	Py03; Mg00.3	218.00	219.00	Q283153	1.00	0.36
		Pyrite 3%; Magnetite 0.3%					
219.00	220.00	Py03	219.00	220.00	Q283154	1.00	0.228
		Pyrite 3%					
		Euhedral and disseminated fine grained py					
219.95	223.15	V4; FlBand					
		Trachyte; FLOWBANDED					
		Med green to yellowy-beige. Fg. Weak to strong selective ankerite alteration with interstitial sericite. Selective moderate disseminated f-mg magnetite. Moderate light green chl alteration. Weak flow-banding with alternating chl-ankerite layers. Deep rusty-red to white irregulat veining and possible pressure seams - potassic alteration with ankerite and minor qtz. Visible mm-scale displacement perpendicular to flow-banding. Isolated weak development of S-C fabric. Distinct but transitional ctcs. 1-3 pct fg disseminated py.					
220.00	221.00	Py01	220.00	221.00	Q283155	1.00	1.295
		Pyrite 1%					
221.00	222.00	Py03	221.00	222.00	Q283156	1.00	1.345
		Pyrite 3%					
222.00	223.00	Py01; Mg00.5	222.00	223.06	Q283157	1.06	1.195
		Pyrite 1%; Magnetite 0.5%					
223.00	223.90	Py01; Mg00.3	223.06	224.00	Q283158	0.94	0.61
		Pyrite 1%; Magnetite 0.3%					
223.15	235.80	S6; Lam; V4; FlBand; Per					
		Siltstone 40°; Laminated; Trachyte; FLOWBANDED; PERLITIC					
		Volcano-sedimentary unit along base of volcanics. Pale to med greyish-mauve. Flow banded to laminated. Very fg silty sedimentary layers. Gritty texture. Minor fragments of altered glassy perlitic flow. Moderate to strong selective ankerite alteration. Weak isolated potassic alteration. Non magnetic. Distinct layering with visible mm-scale displacement perpendicular to banding. Rusty-orange material infilling fractures. Irregular white to rusty orange ankerite-qtz veinlets with barite incl. 1 to 3 pct fg disseminated py.					
223.15	244.60	Ank02; K01; Cl02; Mgt01					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Ankerite 2; Potassic 1; Chlorite 2; Magnetite 1					
		Moderate to strong ankerite-py alteration with weak isolated potassic alteration. Isolated rafts of dk green-black chl and traces mangetite.					
223.90	225.00	Py02	224.00	225.00	Q283159	1.00	0.314
		Pyrite 2%					
		Euhedral and disseminated fine grained py					
225.00	228.00	Py02	225.00	226.00	Q283160	1.00	1.465
		Pyrite 2%	226.00	227.00	Q283161	1.00	0.291
		Euhedral and disseminated fine grained py	227.00	228.00	Q283162	1.00	0.966
228.00	232.00	Py03	228.00	229.00	Q283163	1.00	0.473
		Pyrite 3%	229.00	230.00	Q283164	1.00	1.075
			230.00	231.00	Q283165	1.00	0.383
			231.00	232.00	Q283166	1.00	0.283
232.00	234.00	Py02	232.00	233.00	Q283167	1.00	0.469
		Pyrite 2%	233.00	234.00	Q283168	1.00	0.423
		Euhedral and disseminated fine grained py					
234.00	235.00	Py03	234.00	235.00	Q283169	1.00	0.449
		Pyrite 3%					
235.00	243.00	Py02	235.00	236.00	Q283170	1.00	0.533
		Pyrite 2%					
		Euhedral and disseminated fine grained py					
235.80	321.35	V4; Per; FlBand; S6; Lam	236.00	237.00	Q283171	1.00	2.02
		Trachyte; PERLITIC; FLOWBANDED; Siltstone; Laminated	237.00	238.00	Q283172	1.00	0.964
		Volcano-sedimentary unit along base of volcanics. Pale to med greyish-mauve. Moderate to strong selective ankerite alteration. Weak to moderate selective potassic alteration. Weak to moderate isolated magnetism. Isolated unit of moderate to strong sericite-ankerite alteration with well developed foliation to banding and disseminated magnetite. Flow banded to laminated with selective very fg silty and calcite altered layers within quenched glassy perlitic flow. Distinct layering though fractured and non-continuous throughout unit. Isolated dk green to black strongly chloritic with trace magnetite undulose banding with irregular ctcs - chill margins - possible peperitic zones. Irregular to wispy white-grey to pinky ankerite-qtz veinlets with orangy barite incl. 0.5 to 4 pct fg disseminated py. Isolated vein controlled traces of molybdenite.	238.00	239.00	Q283173	1.00	2.31
			239.00	240.00	Q283174	1.00	1.335
			240.00	241.00	Q283177	1.00	0.588
			241.00	242.00	Q283178	1.00	0.686
			242.00	243.00	Q283179	1.00	0.864
243.00	243.70	Py01	243.00	243.70	Q283180	0.70	0.482
		Pyrite 1%					
243.70	247.80	Fln	243.70	244.30	Q283181	0.60	3.09
		Foliation 50°					
		moderate foliation					
243.70	244.30	Py01					
		Pyrite 1%					
		fine disseminated Py					

Description			Assay				
			From	To	Sample number	Length	AuBest
244.30	245.00	Py00.5 **Pyrite 0.5%** fine disseminated Py and some gashy fracture fillings.	244.30	245.00	Q283182	0.70	1.335
244.60	247.80	Ank02; Se02; Mgt01 **Ankerite 2; Sericite 2; Magnetite 1** Moderate to strong selective ankerite alteration. Moderate to strong interstitial and banded sericitization. Weak to moderate selective magnetism.					
245.00	246.00	Py00.5 **Pyrite 0.5%** fine disseminated Py	245.00	246.00	Q283183	1.00	0.993
246.00	247.00	Py00.5 **Pyrite 0.5%** fine disseminated Py and some gashy fracture fillings	246.00	247.00	Q283184	1.00	1.08
247.00	247.80	Py00.5 **Pyrite 0.5%** fine disseminated Py.	247.00	247.80	Q283185	0.80	1.015
247.80	262.90	Ank02; K02; Cl02; Ca02 **Ankerite 2; Potassic 2; Chlorite 2; Calcite 2** Moderate to strong selective ankerite alteration. Weak to moderate selective potassic alteration. Moderate to strong isolated wispy bands of dk green to black chl. Moderate selective interstitial calcite alteration.	247.80	249.00	Q283186	1.20	5.11
247.80	249.00	Py01 **Pyrite 1%** euhedral and fine disseminated Py					
249.00	250.00	Py02 **Pyrite 2%** fine disseminated Py	249.00	250.00	Q283187	1.00	1.095
250.00	251.00	Py01 **Pyrite 1%** fine disseminated	250.00	251.00	Q283188	1.00	0.158
251.00	252.00	Py02 **Pyrite 2%** Euhedral and fine disseminated Py	251.00	252.00	Q283189	1.00	0.144
252.00	253.00	Py01 **Pyrite 1%** Euhedral and fine disseminated Py	252.00	253.00	Q283190	1.00	1.35
253.00	254.00	Py02 **Pyrite 2%** Euhedral and fine disseminated Py	253.00	254.00	Q283191	1.00	0.29
254.00	255.00	Py02	254.00	255.00	Q283192	1.00	0.331

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%					
255.00	256.00	Py03	255.00	256.00	Q283193	1.00	0.541
		Pyrite 3%					
		Euhedral and fine disseminated Py,					
256.00	257.00	Py03	256.00	257.00	Q283194	1.00	0.471
		Pyrite 3%					
		fine disseminated Py and some gashy fracture fillings					
257.00	258.00	Py02	257.00	258.00	Q283195	1.00	1.77
		Pyrite 2%					
258.00	259.00	Py04	258.00	259.00	Q283196	1.00	0.268
		Pyrite 4%					
		euhedral fine disseminated Py and some gashy fracture fillings, agglomerated fine grained pyrite					
259.00	260.00	Py04	259.00	260.00	Q283197	1.00	1.115
		Pyrite 4%					
260.00	261.00	Py04	260.00	261.00	Q283198	1.00	0.999
		Pyrite 4%					
		fine disseminated Py and some gashy fracture fillings					
261.00	262.00	Py02	261.00	262.00	Q283199	1.00	0.319
		Pyrite 2%					
262.00	262.90	Py01	262.00	262.90	Q283202	0.90	0.812
		Pyrite 1%					
		fine disseminated Py					
262.90	273.50	Ank02; Cl02; K01					
		Ankerite 2; Chlorite 2; Potassic 1					
		Moderate to strong selective ankerite alteration. Moderate to strong selective wispy bands of dk green					
		to black chl. Weak selective potassic alteration.					
262.90	277.00	Fln	262.90	264.00	Q283203	1.10	0.133
		Foliation 5°					
		weak foliation					
262.90	264.00	Py02					
		Pyrite 2%					
264.00	265.00	Py02	264.00	265.00	Q283204	1.00	0.088
		Pyrite 2%					
265.00	266.00	Py02; Mo00.1	265.00	266.00	Q283205	1.00	0.199
		Pyrite 2%; Molybdenite 0.1%					
		Molybdenite in the quatz vein					
266.00	267.00	Py03	266.00	267.00	Q283206	1.00	0.142
		Pyrite 3%					
267.00	268.00	Py02	267.00	268.00	Q283207	1.00	0.136
		Pyrite 2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine disseminated Py					
268.00	269.00	Py03	268.00	269.00	Q283208	1.00	0.449
		Pyrite 3%					
		fine disseminated Py and fractures fillings					
269.00	270.00	Py02	269.00	270.00	Q283209	1.00	0.663
		Pyrite 2%					
		fine disseminated Py					
270.00	271.00	Py02	270.00	271.00	Q283210	1.00	1.26
		Pyrite 2%					
271.00	272.00	Py03	271.00	272.00	Q283211	1.00	2.63
		Pyrite 3%					
		fine disseminated Py					
272.00	273.00	Py03	272.00	273.00	Q283212	1.00	1.32
		Pyrite 3%					
		fine disseminated Py					
273.00	274.00	Py03	273.00	274.00	Q283213	1.00	0.734
		Pyrite 3%					
		fine disseminated Py					
273.50	286.00	Ank02; K01; Cl01					
		Ankerite 2; Potassic 1; Chlorite 1					
		Moderate to strong selective ankerite alteration. Weak to moderate selective potassic alteration.					
		Moderate to strong isolated wispy bands of dk green to black chl.					
274.00	275.00	Py02	274.00	275.00	Q283214	1.00	0.158
		Pyrite 2%					
		fine disseminated Py					
275.00	276.00	Py02	275.00	276.00	Q283215	1.00	0.158
		Pyrite 2%					
		fine disseminated Py					
276.00	279.00	Py02	276.00	277.00	Q283216	1.00	0.146
		Pyrite 2%	277.00	278.00	Q283217	1.00	0.178
		Euhedral and fine disseminated Py	278.00	279.00	Q283218	1.00	0.261
279.00	280.00	Py03	279.00	280.00	Q283219	1.00	0.239
		Pyrite 3%					
		Euhedral and fine disseminated Py					
280.00	281.00	Py01	280.00	281.00	Q283220	1.00	0.324
		Pyrite 1%					
		Euhedral and fine disseminated Py					
281.00	282.00	Py03	281.00	282.00	Q283221	1.00	0.276
		Pyrite 3%					
		Euhedral and fine disseminated Py					

Description			Assay				
			From	To	Sample number	Length	AuBest
282.00	283.00	Py03 **Pyrite 3%** Euhedral and fine disseminated Py	282.00	283.00	Q283222	1.00	0.295
283.00	284.00	Py03 **Pyrite 3%** Euhedral and fine disseminated Py	283.00	284.00	Q283223	1.00	0.239
284.00	285.00	Py04 **Pyrite 4%** Euhedral, stringers and fine disseminated Py	284.00	285.00	Q283224	1.00	0.795
284.40	286.10	Fln **Foliation 50°** weak foliation					
285.00	286.00	Py04 **Pyrite 4%** Euhedral, stringers and fine disseminated Py	285.00	286.00	Q283227	1.00	2.02
286.00	321.35	Ank02; K02 **Ankerite 2; Potassic 2** Moderate selective ankerite alteration. Weak to moderate selective potassic alteration.	286.00	287.00	Q283228	1.00	0.326
286.00	287.00	Py04 **Pyrite 4%** Euhedral, stringers and fine disseminated Py					
287.00	288.00	Py02 **Pyrite 2%** Euhedral, strand fine disseminated Py	287.00	288.00	Q283229	1.00	0.391
288.00	289.00	Py03 **Pyrite 3%** Euhedral, and fine disseminated Py	288.00	289.00	Q283230	1.00	0.218
289.00	290.00	Py04 **Pyrite 4%** Euhedral, stringers and fine disseminated Py	289.00	290.00	Q283231	1.00	0.267
290.00	291.00	Py03 **Pyrite 3%** Euhedral, stringers and fine disseminated Py	290.00	291.00	Q283232	1.00	0.186
291.00	292.00	Py04 **Pyrite 4%** Euhedral, stringers and fine disseminated Py	291.00	292.00	Q283233	1.00	0.177
292.00	293.00	Py02 **Pyrite 2%** Euhedral and fine disseminated Py	292.00	293.00	Q283234	1.00	0.241
293.00	294.00	Py02	293.00	294.00	Q283235	1.00	0.189

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%					
		Euhedral, and fine disseminated Py					
294.00	295.00	Py02	294.00	295.00	Q283236	1.00	0.137
		Pyrite 2%					
		fine disseminated Py					
295.00	296.00	Py01	295.00	296.00	Q283237	1.00	0.132
		Pyrite 1%					
		nd fine disseminated Py					
296.00	297.00	Py01	296.00	297.00	Q283238	1.00	0.219
		Pyrite 1%					
		fine disseminated Py 1					
297.00	298.00	Py01	297.00	298.00	Q283239	1.00	0.388
		Pyrite 1%					
		fine disseminated Py					
298.00	299.00	Py02	298.00	299.00	Q283240	1.00	0.303
		Pyrite 2%					
		euhedral and fine disseminated Py					
299.00	305.00	Py02	299.00	300.00	Q283241	1.00	0.363
		Pyrite 2%	300.00	301.00	Q283242	1.00	0.74
		Euhedral and fine disseminated Py	301.00	302.00	Q283243	1.00	0.624
			302.00	303.00	Q283244	1.00	0.717
			303.00	304.00	Q283245	1.00	0.303
			304.00	305.00	Q283246	1.00	0.177
305.00	306.00	Py01	305.00	306.00	Q283247	1.00	0.201
		Pyrite 1%					
306.00	320.70	Py02	306.00	307.00	Q283248	1.00	0.215
		Pyrite 2%	307.00	308.00	Q283249	1.00	0.195
		Euhedral, infilled fractures fine disseminated Py	308.00	309.00	Q283252	1.00	0.135
			309.00	310.00	Q283253	1.00	0.148
			310.00	311.00	Q283254	1.00	0.142
			311.00	312.00	Q283255	1.00	0.221
			312.00	313.00	Q283256	1.00	0.189
			313.00	314.00	Q283257	1.00	0.167
			314.00	315.00	Q283258	1.00	0.4
			315.00	316.00	Q283259	1.00	0.181
			316.00	317.00	Q283260	1.00	0.28
			317.00	318.00	Q283261	1.00	0.166

Description			Assay				
			From	To	Sample number	Length	AuBest
			318.00	319.00	Q283262	1.00	0.163
			319.00	320.00	Q283263	1.00	0.156
			320.00	320.70	Q283264	0.70	0.124
320.70	321.37	Py03 **Pyrite 3%** Euhedral, and fine disseminated Py	320.70	321.37	Q283265	0.67	0.191
321.35	344.00	V4; FlBand; Fol **Trachyte 40°; FLOWBANDED; Foliated** Pale yellowy-beige to med green. Fg trachyte with pervasive flow banding to foliation. Moderate selective ankerite alteration. Strong interstitial sericitization at upper ctc - weakening downhole. Moderate chloritization. F-mg disseminated magnetite. Thin white-beige ankerite veinlets oriented within foliation. Selective qtz-ankerite veining. Traces of greyish-white calcite veining. Isolated orangy-red sericite-potassic altered pegmatitic veining. Trace indicators of tectonic deformation incl S-C fabrics and hook folds. Sharp upper ctc. Trace to 4 pct fg disseminated py. Isolated traces of vein controlled chalcopyrite.					
321.35	344.00	Ank02; Se02; Cl02; Mgt02 **Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2** Moderate selective ankerite alteration. Moderate to strong selective interstitial sericitization. Moderate light to med green chl. Selectively disseminated magnetite.					
321.35	324.45	Vn;35%;Qak;Ra;;; **vein (5 mm - 10 cm) 35% quartz-ankerite random** White to yellowy-beige qtz-ankerite veining. Selective stockworking as well as veins oriented within foliation.					
321.37	322.00	Py02 **Pyrite 2%** Euhedral and fine disseminated Py	321.37	322.00	Q283266	0.63	1.16
322.00	323.00	Py03 **Pyrite 3%** Euhedral, fine disseminated Py	322.00	323.00	Q283267	1.00	0.592
323.00	323.50	Py01 **Pyrite 1%** Euhedral and fine disseminated Py	323.00	323.50	Q283268	0.50	0.986
323.37	333.00	Fln **Foliation 50°** Moderate pervasive foliation					
323.50	324.40	Py04; Cp01 **Pyrite 4%; Chalcopyrite 1%** Euhedral and fine disseminated Py	323.50	324.40	Q283269	0.90	2.81
324.40	331.00	Py00.5 **Pyrite 0.5%** Euhedral and disseminated Py	324.40	325.00	Q283270	0.60	0.199

Description			Assay				
			From	To	Sample number	Length	AuBest
324.50	327.30	Vn;5%;Qcr;Vn;;;	325.00	326.00	Q283271	1.00	0.952
		vein (5 mm - 10 cm) 5% quartz-carbonate vein parallel to foliation	326.00	327.00	Q283272	1.00	0.467
		Greyish-white qtz and dull greyish calcite to yellowy ankerite incl. Veins are folded and irregular within fabric of wall rock.	327.00	328.00	Q283273	1.00	0.221
327.30	334.50	Vt;2%;Ak;Vn;;;	328.00	329.00	Q283274	1.00	2.73
		veinlet (1-5 mm) 2% ankerite vein parallel to foliation	329.00	330.00	Q283277	1.00	0.077
		Yellowy-beige ankerite veinlets oriented within and few cross-cutting foliation.	330.00	331.00	Q283278	1.00	0.035
			331.00	332.00	Q283279	1.00	0.021
			332.00	333.00	Q283280	1.00	0.013
333.00	392.00	Fln	333.00	334.00	Q283281	1.00	0.207
		Foliation 50°	334.00	335.00	Q283282	1.00	0.297
		weak to moderate foliation 30-60 dg/ca					
333.00	347.00	Py00.2; Mg00.5					
		Pyrite 0.2%; Magnetite 0.5%					
334.50	342.20	Vn;;Qak;Vc;;;	335.00	336.00	Q283283	1.00	0.143
		vein (5 mm - 10 cm) quartz-ankerite vein cross-cutting foliation	336.00	337.00	Q283284	1.00	0.018
		Pinky-grey to white qtz veining with minor ankerite. Root-like veins with smaller accessory feeder veinlets. Small beige ankerite veinlets within foliation dispersed throughout interval.	337.00	338.00	Q283285	1.00	0.034
			338.00	339.00	Q283286	1.00	0.067
			339.00	340.00	Q283287	1.00	0.015
			340.00	341.00	Q283288	1.00	0.056
			341.00	342.00	Q283289	1.00	0.012
			342.00	343.00	Q283290	1.00	0.009
342.20	350.00	Vt;2%;Ak;Vn;;;	343.00	344.00	Q283291	1.00	0.322
		veinlet (1-5 mm) 2% ankerite vein parallel to foliation					
		Yellowy-beige ankerite veinlets oriented within foliation as well as few cross-cutting.					
344.00	411.00	V4; Fol; Tuff					
		Trachyte; Foliated; TUFF					
		Med to dk green trachyte. Flow to tuffaceous units. Strong pervasive chloritization with disseminated magnetite and selective weak to moderate ankerite and localized calcite alteration. Fg groundmass with selective f-mg ankeritized pumice fragments elongate and lensoidal within weak to moderate pervasive foliation. Weak interstitial sericite along foliation plane. Minor localized qtz-ankerite and k-felds pegmatitic veining as well as dispersed carbonate veinlets. Traces of fg py.					
344.00	411.00	Cl03; Ank02; Mgt02; Se01	344.00	345.00	Q283292	1.00	0.009
		Chlorite 3; Ankerite 2; Magnetite 2; Sericite 1	345.00	346.00	Q283293	1.00	0.17
		Strong dk green chl alteration. Weak to moderate selective ankerite alteration. Weak to strong disseminated magnetite. Weak to moderate interstitial sericitization.	346.00	347.00	Q283294	1.00	0.13
347.00	348.00	Py00.5; Mg00.5	347.00	348.00	Q283295	1.00	0.753
		Pyrite 0.5%; Magnetite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Euhedral pyrite and magnetite					
348.00	396.00	Py00.2; Mg00.5	348.00	349.00	Q283296	1.00	0.336
		Pyrite 0.2%; Magnetite 0.5%	349.00	350.00	Q283297	1.00	0.005
		trace of pyrite					
350.00	362.00	Vt;2%;Ca;Vn;;;	350.00	351.00	Q283298	1.00	<0.005
		veinlet (1-5 mm) 2% vein parallel to foliation	351.00	352.00	Q283299	1.00	<0.005
		Greyish-white calcite as well as minor beige ankerite veinlets within and cross-cutting foliation.	352.00	353.00	Q283302	1.00	0.081
			353.00	354.00	Q283303	1.00	<0.005
			354.00	355.00	Q283304	1.00	<0.005
			355.00	356.00	Q283305	1.00	0.1
			356.00	357.00	Q283306	1.00	<0.005
			357.00	358.00	Q283307	1.00	0.005
			358.00	359.00	Q283308	1.00	0.038
			359.00	360.00	Q283309	1.00	0.067
			360.00	361.00	Q283310	1.00	<0.005
			361.00	362.00	Q283311	1.00	0.01
			362.00	363.00	Q283312	1.00	1.07
362.30	363.20	Vn;5%;Qak;Ra;;;	363.00	364.00	Q283313	1.00	0.128
		vein (5 mm - 10 cm) 5% quartz-ankerite random	364.00	365.00	Q283314	1.00	0.008
		Irregular orangy-red to white-beige qtz-ankerite veining with sericite and potassic alteration halos.	365.00	366.00	Q283315	1.00	<0.005
			366.00	367.00	Q283316	1.00	<0.005
			367.00	368.00	Q283317	1.00	0.143
			368.00	369.00	Q283318	1.00	0.163
369.00	375.10	Vn;5%;Qak;Ra;;;	369.00	370.00	Q283319	1.00	0.069
		vein (5 mm - 10 cm) 5% quartz-ankerite random	370.00	371.00	Q283320	1.00	0.074
		Pinky-red to white qtz-ankerite and k-felds pegmatitic veining. Sharp irregular ctcs.	371.00	372.00	Q283321	1.00	<0.005
			372.00	373.00	Q283322	1.00	0.066
			373.00	374.00	Q283323	1.00	0.091
			374.00	375.00	Q283324	1.00	0.053
			375.00	376.00	Q283327	1.00	0.005
375.10	397.00	Vt;2%;Cr;Ra;;;	376.00	377.00	Q283328	1.00	0.012
		veinlet (1-5 mm) 2% carbonate random	377.00	378.00	Q283329	1.00	<0.005
		Greyish-white to beige calcite and minor ankerite veinlets oriented within to cross-cutting foliation.	378.00	379.00	Q283330	1.00	<0.005
			379.00	380.00	Q283331	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			380.00	381.00	Q283332	1.00	0.129
			381.00	382.00	Q283333	1.00	0.566
			382.00	383.00	Q283334	1.00	0.328
			383.00	384.00	Q283335	1.00	0.359
			384.00	385.00	Q283336	1.00	0.392
			385.00	386.00	Q283337	1.00	<0.005
			386.00	387.00	Q283338	1.00	<0.005
			387.00	388.00	Q283339	1.00	<0.005
			388.00	389.00	Q283340	1.00	<0.005
			389.00	390.00	Q283341	1.00	<0.005
			390.00	391.00	Q283342	1.00	<0.005
			391.00	392.00	Q283343	1.00	<0.005
392.00	396.69	Fln	392.00	393.00	Q283344	1.00	<0.005
		Foliation 30°	393.00	394.00	Q283345	1.00	<0.005
		weak foliation	394.00	395.00	Q283346	1.00	<0.005
			395.00	396.00	Q283347	1.00	<0.005
396.00	397.00	Py00.5; Mg00.5	396.00	396.90	Q283348	0.90	0.013
		Pyrite 0.5%; Magnetite 0.5%	396.90	398.00	Q283349	1.10	0.541
		fine disseminated Py and some fracture fillings.					
397.00	398.00	Py00.5; Mg00.5					
		Pyrite 0.5%; Magnetite 0.5%					
		Trace to 0.5 % euhedral py infilling microfractures.					
397.00	398.00	Vn;15%;Ak;Ra;;;					
		vein (5 mm - 10 cm) 15% ankerite random					
		White to beige ankerite veining with localized stockwork. Angular brecciated wall rock fragments as incl.					
398.00	411.00	Py00.2; Mg05	398.00	399.00	Q283352	1.00	<0.005
		Pyrite 0.2%; Magnetite 5%					
398.11	407.50	Vn;4%;Qak;Ra;;;	399.00	400.00	Q283353	1.00	<0.005
		vein (5 mm - 10 cm) 4% quartz-ankerite random	400.00	401.00	Q283354	1.00	<0.005
		Pink to white-beige qtz-ankerite and k-felds pegmatitic veining.	401.00	402.00	Q283355	1.00	<0.005
			402.00	403.00	Q283356	1.00	<0.005
			403.00	404.00	Q283357	1.00	<0.005
			404.00	405.00	Q283358	1.00	<0.005
			405.00	406.00	Q283359	1.00	<0.005
			406.00	407.00	Q283360	1.00	<0.005
			407.00	408.00	Q283361	1.00	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	408.00	409.00	Q283362	1.00	<0.005
	409.00	410.00	Q283363	1.00	<0.005
	410.00	411.00	Q283364	1.00	<0.005
411.00	**End of DDH**				
	Number of samples: 378				
	Number of QAQC samples: 32				
	Total sampled length: 365.70				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_34A

Drilled by:	Major	Claims title:	Section:
Described by:		Township:	Level:
		Range:	Work place: Upper Canada
		Lot:	
		From: 04/03/2014	Description date:
		To: 04/03/2014	

Collar

Azimuth: 180.0°
Dip: -55.0°
Length: 54.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,712.000
North	0.0	0.000	5,331,401.000
Elevation	0.0	0.000	349.000

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-55.0°	No	

Description

Drillers noticed that casing was broken at 54m depth. Hole abandoned before it reached bedrock. Re-started as hole MU14_34.

Core size: NQ Cemented: No Stored: No

Description		Assay				
		From	To	Sample number	Length	AuBest
0.00	54.00					
54.00	**End of DDH** **Number of samples: 0** **Number of QAQC samples: 0** **Total sampled length: 0.00**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_35

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Ciara Cooke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	17/02/2014	Description date:	27/02/2014
		To:	27/02/2014		

Collar

Azimuth:	180.0°
Dip:	-50.0°
Length:	612.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,054.679
North	0.0	0.000	5,331,521.875
Elevation	0.0	0.000	339.643

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	60.00	178.7°	-52.6°	No	Mag:55894; Data from Frank Ploeger
ReflexEZS	120.00	178.7°	-52.6°	No	Mag:55884; Data from Frank Ploeger
ReflexEZS	180.00	179.4°	-51.9°	No	Mag:55174; Data from Frank Ploeger
ReflexEZS	240.00	181.1°	-51.6°	No	Mag:55167; Data from Frank Ploeger
ReflexEZS	300.00	181.1°	-51.1°	No	Mag:54999; Data from Frank Ploeger
ReflexEZS	360.00	183.3°	-51.0°	No	Mag:55194; Data from Frank Ploeger
ReflexEZS	426.00	184.1°	-50.7°	No	Mag = 55406
ReflexEZS	486.00	186.6°	-50.5°	No	Mag:54728; Data from Frank Ploeger
ReflexEZS	546.00	185.7°	-50.6°	No	Mag = 55258
ReflexEZS	606.00	185.8°	-50.7°	No	Mag:54504; Data from Frank Ploeger

Description

Logging completed on March 5 2014.

Relogged by Gilles Kamta Start August 14-2014 End August 17- 2014

Core size: NQ Cemented: Yes Stored: Yes

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	53.00	OVB **Overburden** Casing and overburden.					
53.00	104.83	V4; Per; Cry; Bx; BBC **Trachyte; PERLITIC; CRYSTALRICH; Brecciated ; Broken Blocky Core** The upper unit is medium orangy aphanitic or fine grained with localized vuggy and siliceous fragments (53-78.50m). The lower unit is a reddish grey silicified fine grained trachyte flow. The entire unit has perlitic cracks brecciating and 1-2% translucent quartz crystals irregularly disseminated. Some smoky-grey quartz stockwork throughout intervals. Alteration consists of moderate to strong pervasive or interstitial ankerite, moderate to strong pervasive potassic alteration, moderate intermittent or strong pervasive silicification. stringers fill of dark chlorite or fine grained pyrite. It's mineralized 0.5-5% euhedral-closters or stringers pyrite. Traces -0.5% chalcopyrite and galena or molybdena. The unit is non magnetic The unit is intersect by 20 cm of dark green mafic layer (92.21-92.40m)					
53.00	78.50	K03; Ank02; Si01; He **Potassic 3; Ankerite 2; Silica 1; Hematite** Intense hydrothermal alteration. Pervasive intense albite alt with strong interstitial or pervasive ankerite. chlorite also found in hairline fractures and veinlets. Moderate silicification surrounding concentrated areas of smoky-qtz veining., hematite in traces					
53.00	104.83	Bxh; Fln **Breccia healed 65°; Foliation** Moderate to locally intense brecciation. Completely healed with silica rich fluids possibly some sericite. Small scale (mm) sub-rounded to angular fragments. In situ. Patchy moderate foliation throughout interval ranging from 55-75 deg tca.	53.00	54.00	I278002	1.00	0.413
53.00	53.46	Py00.5; Cp00.05; PbS00.05 **Pyrite 0.5%; Chalcopyrite 0.05%; Galena 0.05%** Fg disseminated py associated with smoky-grey qtz stockwork. Fg blebs of chalcopyrite within qtz veining. Fg euhedral galena located along fracture planes.					
53.46	53.50	Cp10; Py00.2 **Chalcopyrite 10%; Pyrite 0.2%** Large blebs of chalcopyrite within qtz vein. Large vugs resulting from near surface weathering. Locally tarnishing with blue-pink tinge. Fg py disseminated in surrounding wall rock.					
53.46	53.50	Vn;5%;Qtz Sgq;Vn;75°;Cp10; **vein (5 mm - 10 cm) 5% vein parallel to foliation 75°** 0.5-2 cm greyish-white qtz vein. Large vugs from surficial weathering. Coarse blebls of chalcopyrite locally tarnished.					
53.50	54.00	Py00.5 **Pyrite 0.5%** Fg euhedral py disseminated and locally clustered. Associated with smoky-grey qtz stockworks.					

Description			Assay				
			From	To	Sample number	Length	AuBest
54.00	55.00	Py00.5; Cp00.01; PbS **Pyrite 0.5%; Chalcopyrite 0.01%; Galena** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork. Traces of chalcopyrite and galena associated with veins and joints.	54.00	55.00	I278003	1.00	2.16
55.00	56.00	Py01; Cp00.01; PbS **Pyrite 1%; Chalcopyrite 0.01%; Galena** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork. Traces of chalcopyrite and galena associated with veins and joints.	55.00	56.00	I278004	1.00	0.704
56.00	57.00	Py00.5 **Pyrite 0.5%** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork.	56.00	57.00	I278005	1.00	1.115
57.00	58.00	Py01; Cp00.01 **Pyrite 1%; Chalcopyrite 0.01%** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork. Traces of chalcopyrite associated with veins and joints.	57.00	58.00	I278006	1.00	1.39
58.00	62.00	Py00.5 **Pyrite 0.5%** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork.	58.00	59.00	I278007	1.00	0.535
			59.00	60.00	I278008	1.00	0.527
			60.00	61.00	I278009	1.00	0.185
			61.00	62.00	I278010	1.00	0.162
62.00	63.00	Py00.5; Cp00.1; PbS **Pyrite 0.5%; Chalcopyrite 0.1%; Galena** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork. Large blebs of chalcopyrite within qtz vein. Large vugs resulting from near surface weathering. F-mg clustered galena within same vein.	62.00	63.00	I278011	1.00	0.151
62.78	75.10	Vn;3%;Qtz Sgq;Vn;60°;Cp05 PbS01; **vein (5 mm - 10 cm) 3% vein parallel to foliation 60°** 0.5-3 cm greyish-white qtz vein. Large vugs from surficial weathering. Coarse blebls of chalcopyrite and f-mg clusters of galena.					
63.00	65.00	Py00.5 **Pyrite 0.5%** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork. Traces of chalcopyrite associated with veins and joints.	63.00	64.00	I278012	1.00	0.246
			64.00	65.00	I278013	1.00	0.264
65.00	66.00	Py00.5; Cp00.01 **Pyrite 0.5%; Chalcopyrite 0.01%** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork. Traces of chalcopyrite associated with veins and joints.	65.00	66.00	I278014	1.00	0.268
66.00	67.00	Py00.5 **Pyrite 0.5%** Fg to f-mg disseminated py associated with smoky-grey qtz stockwork.	66.00	67.00	I278015	1.00	0.28

Description			Assay				
			From	To	Sample number	Length	AuBest
67.00	68.00	Py01 **Pyrite 1%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	67.00	68.00	I278016	1.00	0.786
68.00	69.00	Py01.5 **Pyrite 1.5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	68.00	69.00	I278017	1.00	0.36
69.00	71.00	Py00.5 **Pyrite 0.5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	69.00 70.00	70.00 71.00	I278018 I278019	1.00 1.00	0.378 0.766
71.00	72.00	Py01; Cp00.01 **Pyrite 1%; Chalcopyrite 0.01%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks. Traces of chalcopyrite associated with veins and joints.	71.00	72.00	I278020	1.00	1.06
72.00	75.00	Py01 **Pyrite 1%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	72.00 73.00 74.00	73.00 74.00 75.00	I278021 I278022 I278023	1.00 1.00 1.00	0.327 0.986 0.618
75.00	76.00	Py01; Cp00.01 **Pyrite 1%; Chalcopyrite 0.01%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks. Traces of chalcopyrite associated with veins and joints.	75.00	76.00	I278024	1.00	1.645
76.00	77.00	Py00.5; Cp00.01 **Pyrite 0.5%; Chalcopyrite 0.01%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks. Traces of chalcopyrite associated with veins and joints.	76.00	77.00	I278027	1.00	2.1
77.00	79.00	Py01 **Pyrite 1%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	77.00 78.00	78.00 79.00	I278028 I278029	1.00 1.00	3.08 1.785
78.50	104.83	Si03; K02; Ank02; Cl01 **Silica 3; Potassic 2; Ankerite 2; Chlorite 1** Strong to intense silicification dominant throughout interval resulting in reddish grey color. Moderate patchy potassic alteration resulting in orangy-red discolouration. Weak interstitsericite-ankerite alteration with the exception of 92.21-92.40m within a chl rich dk green mafic raft where sericite-ankerite alteration is strong and dominant.					
79.00	80.00	Py00.5 **Pyrite 0.5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.					
79.00	104.83	Fl;5;Sgq;Sk;;Py05 Cp00.5 PbS00.1; **floods 5 stockwork** Abundance of smoky-grey qtz in stockwork. Few larger veins with chalcopyrite and some galena.	79.00	80.00	I278030	1.00	1.03

Description			Assay				
			From	To	Sample number	Length	AuBest
80.00	81.00	Py01 **Pyrite 1%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	80.00	81.00	I278031	1.00	0.8
81.00	84.00	Py01.5 **Pyrite 1.5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	81.00 82.00 83.00	82.00 83.00 84.00	I278032 I278033 I278034	1.00 1.00 1.00	1.66 0.822 1.4
84.00	85.00	Py01; Cp00.2 **Pyrite 1%; Chalcopyrite 0.2%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	84.00	85.00	I278035	1.00	0.783
85.00	86.00	Py01.5 **Pyrite 1.5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	85.00	86.00	I278036	1.00	1.615
86.00	87.00	Py01; Cp00.01 **Pyrite 1%; Chalcopyrite 0.01%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks. Traces of chalcopyrite associated with veins and joints.	86.00	87.00	I278037	1.00	0.917
87.00	89.00	Py01 **Pyrite 1%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	87.00 88.00	88.00 89.00	I278038 I278039	1.00 1.00	2.83 2.43
89.00	92.00	Py00.5 **Pyrite 0.5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	89.00 90.00 91.00	90.00 91.00 92.00	I278040 I278041 I278042	1.00 1.00 1.00	0.307 1.27 1.375
92.00	92.21	Py01.5 **Pyrite 1.5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	92.00	93.00	I278043	1.00	1.395
92.21	92.40	V4MT; Fol **Trachyte mafic tuff 65°; Foliated** Med to dk green raft banded with greyish-white qtz-ankerite veinlets and elongated grains. Sharp upper contact with lower contact wispy and petering out. Strong pervasive deformation - foliation. Conc with f-mg py associated with chloritic bands.					
92.21	92.40	Py02 **Pyrite 2%** Abundant f-mg euhedral py associated with chloritic banding.					
92.40	93.00	Py01 **Pyrite 1%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.					
93.00	94.00	Py02 **Pyrite 2%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	93.00	94.00	I278044	1.00	1.02

Description			Assay				
			From	To	Sample number	Length	AuBest
94.00	96.00	Py03; Cp00.01 **Pyrite 3%; Chalcopyrite 0.01%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks. Traces of chalcopyrite associated with veins.	94.00	95.00	I278045	1.00	0.44
			95.00	96.00	I278046	1.00	0.355
96.00	100.00	Py04 **Pyrite 4%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	96.00	97.00	I278047	1.00	0.126
			97.00	98.00	I278048	1.00	0.159
			98.00	99.00	I278049	1.00	0.154
			99.00	100.00	I278052	1.00	0.167
100.00	101.00	Py05; Cp00.01 **Pyrite 5%; Chalcopyrite 0.01%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks. Traces of chalcopyrite associated with veins.	100.00	101.00	I278053	1.00	0.187
101.00	102.00	Py04 **Pyrite 4%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	101.00	102.00	I278054	1.00	0.435
102.00	104.83	Py05 **Pyrite 5%** Fg to f-mg py clustered within and around smoky-grey qtz stockworks.	102.00	103.00	I278055	1.00	0.209
			103.00	104.00	I278056	1.00	0.749
			104.00	104.83	I278057	0.83	0.572
104.83	112.60	V4; Tuff; Fol; BBC **Trachyte 75°; TUFF; Foliated; Broken Blocky Core** Medium grey to dk green-grey to pinkish-red banded trachytic tuff. Possibly agglomerate. Sharp upper contact with rafting towards lower contact. Strong pervasive deformation foliation with fg to f-mg deformed and elongated tuff fragments banded with fg chloritic layers. Moderate sericite-ankerite alteration in conc bands. Potassic alteration of tuff fragments. Weak patchy silicification. Open joints with slickensides and alteration minerals. Localized fault gouge within mafic band of intense deformation. Vertical sinistral offset towards lower contact. 0.5-5pct f-mg py in conc clusters and stringers. Weak to moderately magnetic patches throughout unit.					
104.83	112.60	Si02; Ank02; K02; Se02; Cl02 **Silica 2; Ankerite 2; Potassic 2; Sericite 2; Chlorite 2** Moderate sericite-ankerite alteration in conc bands foliated with chloritic layers. Irregular bands and fragments with moderate to strong potassic alteration. moderate patchy silicification.	104.83	106.00	I278058	1.17	1.865
104.83	109.57	FIn; JtSS **Foliation 75°; Joint with slickensides** Strong pervasive foliation with sharp upper and lower boundaries. Slight range from 70-80 deg tca. Elongated and deformed fragments oriented within foliation alternating in bands with fg chloritic layers. Abundance of joints 35-75 deg tca. Well developed slickensides visible on open joints with conc chl as well as a powdery blue mineral with a distinct sheen.					
104.83	106.00	Py04 **Pyrite 4%**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg py clustered within seams associated with smoky-grey qtz veining and chloritic bands.					
106.00	107.00	Py05	106.00	107.00	I278059	1.00	2.72
		Pyrite 5%					
		F-mg py stringers and clusters associated with smoky-grey qtz veining and chloritic bands.					
107.00	109.00	Py04	107.00	108.00	I278060	1.00	2.25
		Pyrite 4%	108.00	109.00	I278061	1.00	1.425
		F-mg py stringers and clusters associated with smoky-grey qtz veining and chloritic bands.					
109.00	110.00	Py05	109.00	110.00	I278062	1.00	2.15
		Pyrite 5%					
		F-mg py stringers and clusters associated with smoky-grey qtz veining and chloritic bands.					
109.57	109.75	Bxh; Gg; Fln					
		Breccia healed 70°; Fault gouge; Foliation					
		Small dk green mafic raft. Possible fault zone. Sharp contacts 70 deg tca. Strong pervasive irregular deformation with brecciation and foliation - possible shearing. 2mm open fracture with chloritic clayey fault gouge.					
109.75	112.60	Fln; JtSS; Gg					
		Foliation 70°; Joint with slickensides; Fault gouge					
		Strong pervasive foliation with sharp upper and lower boundaries. Slight range from 70-80 deg tca. Elongated and deformed fragments oriented within foliation alternating in bands with fg chloritic layers. Abundance of joints 35-75 deg tca. Well developed slickensides visible on open joints with conc chl. Trace amounts of remnant fg chloritic fault gouge on open joints. Vertical offset visible along 65m towards lower contact showing 1cm of displacement.					
110.00	111.00	Py00.3	110.00	111.00	I278063	1.00	1.7
		Pyrite 0.3%					
		F-mg py stringers and clusters associated with smoky-grey qtz veining and chloritic bands.					
111.00	114.00	Py00.5	111.00	112.00	I278064	1.00	2.99
		Pyrite 0.5%	112.00	112.60	I278065	0.60	2.83
		F-mg py stringers and clusters associated with smoky-grey qtz veining and chloritic bands.					
112.60	118.70	V4; Bx; Per; Cry; BBC					
		Trachyte 75°; Brecciated ; PERLITIC; CRYSTALRICH; Broken Blocky Core					
		Medium reddish to greyish brecciated fine grained trachyte. Moderate to strong hydrothermal alteration. Dominantly potassic. Weak to moderate interstitial sericite-ankerite alteration. Weak to moderate patchy silicification. Moderate to intense patchy brecciation with f-mg sub-rounded to angular fragments of wall rock within fg silicious and locally sericitic matrix. Moderate foliation patchy but continuous downhole. Intermittent rafts of mafic tuffaceous unit. Patches of smoky-grey qtz stockwork associated with silicification. 0.5-2pct f-mg euhedral py in clusters and stringers. Few greyish-white brecciated qtz veins with coarse incl of chalcopyrite and molybdenite.					
112.60	118.70	K03; Si02; Ank02; Cl01					
		Potassic 3; Silica 2; Ankerite 2; Chlorite 1					
		Strong potassic alteration of parent rock with weak sericite-ankerite and chloritic fractures and matrices within brecciated patches. Moderate to strong patchy silicification dominant in areas of potassic					

Description			Assay				
			From	To	Sample number	Length	AuBest
		alteration.					
112.60	118.70	Bxh; Gg	112.60	113.20	I278066	0.60	0.8
		Breccia healed 75°; Fault gouge	113.20	114.00	I278067	0.80	0.1
		Moderate to locally intense patchy brecciation. Completely healed. Small scale (mm) sub-rounded to angular fragments. In situ. Patchy moderate foliation ranging from 70-85 deg tca. Localized rubble with open joints and remnance of fault gouge.					
114.00	115.00	Py01	114.00	115.00	I278068	1.00	0.978
		Pyrite 1%					
		F-mg py stringers and clusters associated with smoky-grey qtz veining and chloritic bands.					
115.00	116.00	Py02					
		Pyrite 2%					
		F-mg py stringers and clusters associated with smoky-grey qtz veining and chloritic bands.					
115.00	118.20	Vn;1%;Qtz;Ra;45°;Cp00.1 Mo00.5;	115.00	116.00	I278069	1.00	0.333
		vein (5 mm - 10 cm) 1% white quartz random 45° Chalcopyrite 0.1% Molybdenite 0.5%					
		Greyish-white qtz veins to veinlets and hairlines. Brecciated sub-rounded to angular reddish fragments of wall rock within veins. Localized m-cg blebs of chalcopyrite and molybdenite.					
116.00	117.00	Py01; Cp00.1; Mo00.1	116.00	117.00	I278070	1.00	0.043
		Pyrite 1%; Chalcopyrite 0.1%; Molybdenite 0.1%					
		Abundance of fg to f-mg and euhedral py disseminated and conc within stringers. Localized m-cg blebs of chalcopyrite and euhedral fans of molybdenite within brecciated qtz veins.					
117.00	118.00	Py00.5; Cp00.1	117.00	118.00	I278071	1.00	0.069
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Abundance of fg to f-mg and euhedral py disseminated and conc within stringers. Localized m-cg blebs of chalcopyrite within brecciated qtz veins.					
118.00	118.70	Py00.5	118.00	118.70	I278072	0.70	0.023
		Pyrite 0.5%					
		Fg euhedral py disseminated and conc within stringers.					
118.70	150.54	V4; Pep; Per; Por	118.70	119.90	I278073	1.20	0.014
		Trachyte 80°; PEPERITIC; PERLITIC; Porphyritic	119.90	121.00	I278074	1.10	0.052
		Medium to dark greenish-grey. Fine grained chloritic matrix (hydrothermal alteration) with strong pervasive calcite alteration. Banded at contacts (70-80 DTCA) with weakening deformation becoming more porphyritic towards the middle of unit. Fine to med grained pale pinkish-grey relic phenos. Rounded to irregular. Elongate and deformed within patchy foliation. Moderate to strong patchy magnetism. Trace-2pct f-mg euhedral pyrite disseminated to clustered and conc within chloritic matrix.					
118.70	150.50	Ca03; Cl03; K02; Ank01					
		Calcite 3; Chlorite 3; Potassic 2; Ankerite 1					
		Moderate sericite and albite alteration with strong interstitial chloritization. Albite intensity irregular and patchy throughout interval. Patches of weak to moderate interstitial calcite alteration. Weak interstitial ankerite alteration. Weak irregular patches of silicification.					

Description			Assay				
			From	To	Sample number	Length	AuBest
118.70	133.45	Fln					
		Foliation 75°					
		Moderate to strong pervasive foliation with localized irregular folds. 70-85 deg tca. Elongated and deformed fragments oriented within foliation alternating in bands with fg chloritic layers. Some jointing 50-75 deg tca with silckensides visible on open joints.					
118.70	121.00	Py00.5					
		Pyrite 0.5%					
		F-mg euhedral grains clustered and associated with interstitial chl.					
121.00	122.00	Py01.5	121.00	122.00	I278077	1.00	0.056
		Pyrite 1.5%					
		F-mg euhedral grains clustered and associated with interstitial chl.					
122.00	124.00	Py01	122.00	123.00	I278078	1.00	0.025
		Pyrite 1%	123.00	124.00	I278079	1.00	0.042
		F-mg euhedral grains clustered and associated with interstitial chl.					
124.00	125.00	Py01.5	124.00	125.00	I278080	1.00	0.116
		Pyrite 1.5%					
		F-mg euhedral grains clustered and associated with interstitial chl.					
125.00	126.00	Py01	125.00	126.00	I278081	1.00	0.065
		Pyrite 1%					
		F-mg euhedral grains clustered and associated with interstitial chl.					
126.00	127.00	Py02	126.00	127.00	I278082	1.00	0.127
		Pyrite 2%					
		F-mg euhedral grains clustered and associated with interstitial chl.					
127.00	129.00	Py01	127.00	128.00	I278083	1.00	0.036
		Pyrite 1%	128.00	129.00	I278084	1.00	0.041
		F-mg euhedral grains clustered and associated with interstitial chl.					
129.00	130.00	Py01.5	129.00	130.00	I278085	1.00	0.024
		Pyrite 1.5%					
		F-mg euhedral grains clustered and associated with interstitial chl.					
130.00	131.00	Py02	130.00	131.00	I278086	1.00	0.055
		Pyrite 2%					
		F-mg euhedral grains clustered and associated with interstitial chl.					
131.00	133.00	Py01	131.00	132.00	I278087	1.00	0.021
		Pyrite 1%	132.00	133.00	I278088	1.00	0.029
		F-mg euhedral grains clustered and associated with interstitial chl.					
133.00	133.94	Py01	133.00	133.94	I278089	0.94	0.022
		Pyrite 1%					
		Fg to f-mg eu-subhedral grains concentrated in dk green chloritic stringers and disseminated within orangy-red wall rock.					
133.94	150.54	Fln	133.94	135.00	I278090	1.06	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
		Foliation 75°					
		Moderate patchy foliation 45-75 deg tca. Elongated and deformed fragments oriented within foliation alternating in bands with fg chloritic layers. Small section of broken oxidized core at 146.5m. Few joints with slickensides.					
133.94	135.00	Py01					
		Pyrite 1%					
		Fg to f-mg eu-subhdral py clustered to disseminated and associated with chl.					
135.00	138.00	Py00.5	135.00	136.00	I278091	1.00	0.023
		Pyrite 0.5%	136.00	137.00	I278092	1.00	0.014
		Fg to f-mg eu-subhdral py clustered to disseminated within chloritic matrix.	137.00	138.00	I278093	1.00	0.012
138.00	140.00	Py00.1	138.00	139.00	I278094	1.00	0.005
		Pyrite 0.1%	139.00	140.00	I278095	1.00	0.005
		Traces of fg to f-mg eu-subhdral py clustered to disseminated within chloritic matrix.					
140.00	143.00	Py00.5	140.00	141.00	I278096	1.00	0.105
		Pyrite 0.5%	141.00	142.00	I278097	1.00	0.07
		Fg to f-mg eu-subhdral py clustered to disseminated within chloritic matrix.	142.00	143.00	I278098	1.00	0.046
143.00	151.25	Py00.1	143.00	144.00	I278099	1.00	0.01
		Pyrite 0.1%	144.00	145.00	I278102	1.00	0.009
		Traces of fg to f-mg eu-subhdral py clustered to disseminated within chloritic matrix.	145.00	146.00	I278103	1.00	0.005
			146.00	147.00	I278104	1.00	<0.005
			147.00	148.00	I278105	1.00	0.013
			148.00	149.00	I278106	1.00	<0.005
			149.00	149.72	I278107	0.72	0.013
			149.72	150.54	I278108	0.82	0.068
150.50	217.60	K03; Ank02; Si01; Cl					
		Potassic 3; Ankerite 2; Silica 1; Chlorite					
		strong pervasive potassic alteration, moderate pervasive ankerite, spotty dark grey chlorite infilled fractures					
150.54	240.50	V4; Per; Cry; Bx	150.54	151.25	I278109	0.71	0.071
		Trachyte 70°; PERLITIC; CRYSTALRICH; Brecciated					
		Reddish fine grained matrix trachyte. 1-3% translucents or smokey grey sub euhedral or rounded crystals (0.2-2 cm). Localized porphyritic zones with f-cg greyish to purpley sub-anhedral relic phenos generally showing no specific orientation. Moderate to strong ankerite alteration. Moderate to strong silicification in localized zones. Boundaries defining alternating trachytic flows are difficult to distinguish. Moderate intermittent brecciation with f-cg angular insitu wall fragments in white to orangy vein to veinlet stockworks. Mineralization is generally along grain boundaries and microfractures with pervasive dissemination in silicified zones associated with a greyish discolouration and increased stockwork activity. Taces to 0.5 euhedral or fine grained pyrite disseminated.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Few dark green wispy mafic rafts with strong pervasive foliation and locally brecciated wall fragments oriented within this foliation. Sharp but irregular contacts. Chloritic with biotite replaced amphiboles and interstitial sericitization. Generally concentrated with f-mg euhedral pyrite.					
151.25	158.00	Py00.5	151.25	152.00	I278110	0.75	0.047
		Pyrite 0.5%	152.00	153.00	I278111	1.00	0.089
		Fg to f-mg eu-subhedral py disseminated within trachyte as well as clustered within chloritic stringers.	153.00	154.00	I278112	1.00	0.048
			154.00	155.00	I278113	1.00	0.045
			155.00	156.00	I278114	1.00	0.045
			156.00	157.00	I278115	1.00	0.105
157.00	165.00	Bxh	157.00	158.00	I278116	1.00	0.277
		Breccia healed					
		Weak to moderate patchy brecciation intermittent downhole. Fine to coarse anguarl insitu orangy-red wall rock fragments within white-beige stockwork veining.					
158.00	159.00	Py01	158.00	159.00	I278117	1.00	0.041
		Pyrite 1%					
		Fg to f-mg eu-subhedral py disseminated within trachyte as well as clustered within chloritic stringers.					
159.00	161.00	Py00.5; Cp00.05	159.00	160.00	I278118	1.00	0.018
		Pyrite 0.5%; Chalcopyrite 0.05%	160.00	161.00	I278119	1.00	0.007
		Fg to f-mg eu-subhedral py disseminated within trachyte as well as clustered within chloritic stringers. Traces of chalcopyrite as inclusions within veinlets.					
161.00	167.00	Py00.1	161.00	162.00	I278120	1.00	0.006
		Pyrite 0.1%	162.00	163.00	I278121	1.00	0.023
		Fg to f-mg eu-subhedral py disseminated within trachyte as well as clustered within chloritic stringers.	163.00	164.00	I278122	1.00	0.029
			164.00	165.00	I278123	1.00	0.016
			165.00	166.00	I278124	1.00	0.029
			166.00	167.00	I278127	1.00	0.033
167.00	175.80	Py00.5	167.00	168.00	I278128	1.00	0.048
		Pyrite 0.5%	168.00	169.00	I278129	1.00	0.039
		Fg to f-mg eu-subhedral py clustered within and around dk grey stockwork veining. Patchy.	169.00	170.00	I278130	1.00	0.258
			170.00	171.00	I278131	1.00	0.041
			171.00	172.00	I278132	1.00	0.03
171.18	171.47	Bxh	172.00	173.00	I278133	1.00	0.029
		Breccia healed 50°	173.00	174.00	I278134	1.00	0.036
		Healed breccia with sharp lower contact. 50-60 deg tca. In situ. Minimal movement of fragments.	174.00	175.00	I278135	1.00	0.033
174.13	174.43	Bxh	175.00	175.80	I278136	0.80	0.04
		Breccia healed 40°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Healed breccia. Patchy brecciation in above unit. Sharp lower contact. In situ. F-mg sub-angular fragmented wall rock.					
175.80	176.25	Bxh **Breccia healed 75°** Few brecciated veins with alteration bleaching surrounding rock. Veins are 2-3 cm thick with m-cg sub-angular fragments floating in qtz matrix. Surrounding altered rock is mineralized with trace if any py within veins.					
175.80	176.25	Py01 **Pyrite 1%** Fg to f-mg eu-subhedral py. Elevated conc with zone of brecciation. Py grains conc within stockwork veining with few grains in wall rock.	175.80	176.25	I278137	0.45	0.167
176.25	177.00	Py00.5 **Pyrite 0.5%** Fg to f-mg eu-subhedral py associated with veining. Conc in stringers within localized zones of brecciation and silicification.	176.25	177.00	I278138	0.75	0.093
177.00	180.00	Py00.2	177.00	178.00	I278139	1.00	0.066
		Pyrite 0.2%	178.00	179.00	I278140	1.00	0.038
		Minor localized clusters of fg to f-mg eu-subhedral py.	179.00	180.00	I278141	1.00	0.009
180.00	181.00	Py00.5 **Pyrite 0.5%** Fg to f-mg eu-subhedral py. Vein associated and locally conc.	180.00	181.00	I278142	1.00	0.02
181.00	182.00	Py00.1 **Pyrite 0.1%** Trace amounts of fg to f-mg eu-subhedral py.	181.00	182.00	I278143	1.00	0.005
182.00	184.00	Py00.5	182.00	183.00	I278144	1.00	0.022
		Pyrite 0.5%	183.00	184.00	I278145	1.00	0.045
		Fg to f-mg eu-subhedral py clustered around phenos and within microfractures.					
184.00	185.00	Py01 **Pyrite 1%** Fg to f-mg eu-subhedral py clustered around phenos and within microfractures. Consistently distributed throughout interval.	184.00	185.00	I278146	1.00	0.037
185.00	185.83	Py00.5 **Pyrite 0.5%** Fg to f-mg eu-subhedral py clustered around phenos and within microfractures.	185.00	185.83	I278147	0.83	0.012
185.83	186.32	Py00.2 **Pyrite 0.2%** Traces of fg to f-mg sub to anhedral py in localized cluster within small stockwork zone. Few pock marks left where py has been weathered out.	185.83	186.32	I278148	0.49	0.024
186.32	186.90	Py00.2 **Pyrite 0.2%**	186.32	186.90	I278149	0.58	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
		Traces of fg to f-mg sub to anhedral py in localized cluster within small stockwork zone. Few pock marks left where py has been weathered out. Traces of vein controlled chalcopyrite and molybdenite.					
186.90	187.94	Bxh **Breccia healed 50°** Large brecciated zone with severely bleached and altered rock. Mineralized with py-cpy-mo. Sharp upper contact at 50 deg tca. Alteration tapering off at lower contact with 15-25 deg tca veining containing coarse angular wall rock fragments.					
186.90	187.94	Py00.5; Mo00.5 **Pyrite 0.5%; Molybdenite 0.5%** Traces of fg to f-mg sub to anhedral py in localized clusters within stockwork zones. Few pock marks left where py has been weathered out. Clusters and stringers of a soft silvery mineral - molybdenite.	186.90	187.94	I278152	1.04	0.015
187.94	189.00	Py00.5 **Pyrite 0.5%** Fg to f-mg eu to subhedral py in localized clusters within small stockwork zones.	187.94	189.00	I278153	1.06	0.011
189.00	192.00	Py00.5 **Pyrite 0.5%** 0.5-1pct fg to f-mg eu to subhedral py in clusters around phenocrysts and within micro fractures and stockworks. Veins with 2 to 5 pct f-mg dk purple fluorite.	189.00 190.00 191.00	190.00 191.00 192.00	I278154 I278155 I278156	1.00 1.00 1.00	0.014 0.032 0.072
191.35	191.65	Fln **Foliation 30°** Intermittent patches of foliation defined with dk grey-green stringy bands of alteration.					
191.65	197.50	Bxh **Breccia healed 20°** Zone of brecciation. Small to coarse angular fragmented wall rock with					
192.00	193.00	Py01 **Pyrite 1%** Fg to f-mg eu to subhedral py clustered around phenocrysts as well as within micro fractures and stockworks.	192.00	193.00	I278157	1.00	0.01
193.00	195.00	Py00.5 **Pyrite 0.5%** Traces of fg to f-mg subhedral py locally clustered around phenocrysts and within micro fractures.	193.00 194.00	194.00 195.00	I278158 I278159	1.00 1.00	0.019 0.01
195.00	198.00	Py00.5; Cp00.2 **Pyrite 0.5%; Chalcopyrite 0.2%** Fg to f-mg eu to subhedral py clustered around phenocrysts and within micro fractures. Traces of vein controlled chalcopyrite and molybdenite.	195.00 196.00 197.00	196.00 197.00 198.00	I278160 I278161 I278162	1.00 1.00 1.00	0.035 0.027 0.044
198.00	200.00	Py00.1 **Pyrite 0.1%** Fg to f-mg eu to subhedral py clustered around phenocrysts and within micro fractures.	198.00 199.00	199.00 200.00	I278163 I278164	1.00 1.00	0.081 0.02
200.00	201.00	Py00.5 **Pyrite 0.5%**	200.00	201.00	I278165	1.00	0.03

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg eu to subhedral py clustered around phenocrysts and within micro fractures.					
201.00	204.00	Py00.2	201.00	202.00	I278166	1.00	0.014
		Pyrite 0.2%	202.00	203.00	I278167	1.00	0.017
		Trace fg to f-mg eu to subhedral py clustered around phenocrysts and within micro fractures. Snall wispy py filled hairlines.	203.00	204.00	I278168	1.00	0.016
204.00	205.00	Py00.5	204.00	205.00	I278169	1.00	0.055
		Pyrite 0.5%					
		Fg eu to subhedral py clustered around phenocrysts and within micro fractures.					
205.00	209.00	Py00.2	205.00	206.00	I278170	1.00	0.028
		Pyrite 0.2%	206.00	207.00	I278171	1.00	0.012
		Fg eu to subhedral py clustered around grain boundaries and within micro fractures.	207.00	208.00	I278172	1.00	0.006
			208.00	209.00	I278173	1.00	0.021
209.00	210.00	Py00.5	209.00	210.00	I278174	1.00	0.053
		Pyrite 0.5%					
		Fg to f-mg eu to subhedral py clustered around grain boundaries and within micro fractures. Associated with dk grey wispy veinlets and stockworks.					
210.00	212.00	Py00.5	210.00	211.00	I278177	1.00	0.066
		Pyrite 0.5%	211.00	212.00	I278178	1.00	0.081
		Very fg to fg eu to subhedral py clustered around grain boundaries and within micro fractures. Conc within irregular patches and bands of grey silicious material. Traces of vein controlled chalcopyrite and molybdenite.					
212.00	217.00	Py00.5	212.00	212.50	I278179	0.50	0.052
		Pyrite 0.5%	212.50	213.00	I278180	0.50	0.028
		Fg to f-mg eu to subhedral py clustered around grain boundaries and within micro fractures. Associated with dk grey irregular and wispy veinlets.	213.00	214.00	I278181	1.00	0.034
			214.00	215.00	I278182	1.00	0.028
			215.00	216.00	I278183	1.00	0.025
			216.00	217.00	I278184	1.00	0.04
217.00	219.00	Py00.1	217.00	217.90	I278185	0.90	0.035
		Pyrite 0.1%					
		Traces of fg eu to subhedral py clustered within micro fractures.					
217.60	226.00	K03; Ank02; Si01; Cl02	217.90	219.00	I278186	1.10	0.058
		Potassic 3; Ankerite 2; Silica 1; Chlorite 2					
		strong pervasive ankerite, moderate pervasive ankerite, spotty weak to moderate chlorite.					
219.00	219.71	Py00.1	219.00	219.71	I278187	0.71	0.02
		Pyrite 0.1%					
		Fg to f-mg eu to subhedral py clustered within vein.					
219.71	223.70	Bxh	219.71	220.81	I278188	1.10	0.093
		Breccia healed 70°	220.81	221.60	I278189	0.79	0.322

Description			Assay				
			From	To	Sample number	Length	AuBest
		Patchy irregular brecciated stockworks with surrounding alteration. 10-70 deg tca. Fine to coarse angular wall rock fragments within beige veining.					
219.71	221.60	Py00.2 **Pyrite 0.2%** Traces of fg subhedral py locally conc in patches clustered around grain boundaries and within micro fractures. Associated with stockworks infilled with dk gry material.					
221.60	223.00	Py00.01 **Pyrite 0.01%** Trace fg py.	221.60 222.00	222.00 223.00	I278190 I278191	0.40 1.00	0.112 0.011
223.00	224.70	Py00.1 **Pyrite 0.1%** Trace fg to f-mg eu to subhedral py locally clustered around grain boundaries and within micro fractures.	223.00 223.70	223.70 224.78	I278192 I278193	0.70 1.08	0.051 0.009
224.70	225.96	Py00.5 **Pyrite 0.5%** Fg to f-mg eu to subhedral py conc in patches of deformation. Clustered around grain boundaries and within stockworks. Traces of vein controlled chalcopyrite.	224.78	225.62	I278194	0.84	0.042
225.62	225.96	Fln **Foliation 65°** Raft of mafic unit with sharp contacts and weak pervasive foliation 60-65 deg tca.	225.62	225.96	I278195	0.34	0.05
225.96	230.65	Py01 **Pyrite 1%** Fg to f-mg eu to subhedral py clustered around grain boundaries and within micro fractures. Associated with stockworks and dk grey mineral.	225.96	227.00	I278196	1.04	0.024
226.00	232.00	K03; Ank02; Si01 **Potassic 3; Ankerite 2; Silica 1** Strong pervasive potassic, moderate pervasive ankerite, weak silicification.	227.00 228.00 229.00 230.00	228.00 229.00 230.00 230.65	I278197 I278198 I278199 I278202	1.00 1.00 1.00 0.65	0.368 0.061 0.298 0.136
230.65	231.52	Bxh **Breccia healed 20°** Zone of stockwork brecciation. Moderate and not encompasing 100 pct of rock. Mineralization confined to wall rock.					
230.65	233.00	Py00.5; Cp00.5 **Pyrite 0.5%; Chalcopyrite 0.5%** Fg to f-mg eu to subhedral py in localized zones. Clustered around grain boundaries and within micro fractures infilled with dk grey-green minerals. chalcopyrite in flooding quartz ankerite veins.	230.65	231.52	I278203	0.87	0.072
231.00	240.00	Vn;3%;Qak;In;30°;Cp00.3 Mo00.2 Py00.2; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 30° Chalcopyrite 0.3%** **Molybdenite 0.2% Pyrite 0.2%** in filled and flooding quartz ankerite veins locally with Chalcopyrite, Molybdenite and Pyrite	231.52	232.21	I278204	0.69	0.067

Description			Assay				
			From	To	Sample number	Length	AuBest
232.00	264.40	K03; Ank03; Cl02; Si02 **Potassic 3; Ankerite 3; Chlorite 2; Silica 2** Strong pervasive potassic- ankerite, moderate chlorite, moderte to strong silicification.					
232.21	236.34	Fln **Foliation 50°** Zone of interbedded foliated volcanic tuffs. Sharp contacts. Moderate to strongly foliated. Competent trachytic morsels boudinaged within chloritic tuff stringers. 25-45 deg tca.	232.21	233.00	I278205	0.79	0.083
233.00	236.00	Py00.5 **Pyrite 0.5%** 0.5-1pct fg to f-mg eu to subhedral py in localized zones. Clustered around grain boundaries and within dk grey-green stockworks.	233.00 234.00 235.16	234.00 235.16 236.34	I278206 I278207 I278208	1.00 1.16 1.18	0.153 0.036 0.007
236.00	237.00	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite disseminated	236.34	237.00	I278209	0.66	0.012
237.00	238.00	Py00.5; Py **Pyrite 0.5%; Pyrite** fine grained and euhedral pyrite disseminated	237.00	238.00	I278210	1.00	0.016
238.00	239.00	Py01 **Pyrite 1%** Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.	238.00	239.00	I278211	1.00	0.213
239.00	239.89	Py02 **Pyrite 2%** Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.	239.00	239.89	I278212	0.89	0.412
239.89	239.96	Fln **Foliation 50°** Strongly foliated mafic raft. 50-60 deg tca.					
239.89	240.50	Py01 **Pyrite 1%** F-mg eu-subhedral py conc within bands of mafic unit as well as disseminated throughout.	239.89	240.50	I278213	0.61	0.259
240.50	246.00	V4; Bx **Trachyte 40°; Brecciated** Strongly mineralized and silicified trachyte. Greyish-purple or mauve colour. Fg. Stongly silicified. Moderate ankerite alteration. Brecciated with microfracture to veinlet sized stockworks. Late stage qtz veining with conc chalcopyrite and molybdenite. Gradational upper and lower contacts. 2-6 pct f-mg eu-suhedral py disseminated throughout as well as clustered along grain boundaries and within microfractures.	240.50	241.00	I278214	0.50	0.536
240.50	241.00	Py02; Cp00.2 **Pyrite 2%; Chalcopyrite 0.2%** Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and					

Description				Assay				
				From	To	Sample number	Length	AuBest
			stockworks. chalcopyrite in quartz veinlets					
240.67	245.00		Bxh					
			Breccia healed 60°					
			Strongly silicifed and altered zone of brecciation. Healed. Small scale microfracturing and veining with one to two larger veins. Pervasive stockwork. Strong pervasive mineralization.					
241.00	242.00		Py02	241.00	242.00	I278215	1.00	1.02
			Pyrite 2%					
			Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks. Traces of vein controlled chalcopyrite.					
242.00	244.00		Py02	242.00	243.00	I278216	1.00	0.953
			Pyrite 2%	243.00	244.00	I278217	1.00	0.397
			Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks. 0.1-0.5% chalcopyrite controlled within veins.					
244.00	245.00		Py03	244.00	245.00	I278218	1.00	1.37
			Pyrite 3%					
			Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.					
245.00	246.00		Py06	245.00	246.00	I278219	1.00	0.341
			Pyrite 6%					
			Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks. Chalcopyrite within veins.					
246.00	264.46		V4; Por; Bx	246.00	246.58	I278220	0.58	0.178
			Trachyte; Porphyritic; Brecciated	246.58	247.00	I278221	0.42	0.1
			reddish to greyish-purple trachyte. Moderate to strongly silicified zones(altered). Fg matrix with intermittent porphyritic texture. Mg greyish-purple sub to anhedral felsic phenos showing no specific orientation. Porphyritic texture overprinted in areas of brecciation and concentrated silicification. Pervasively microfractured with patches of strong brecciation. MIneralized with 1-3 pct f-mg eu-subhedral py diseminated with clusters at grain boundaries and along microfractures. Gradational upper contact. Sharp lower contact. 5pct small rafts of volcanic tuff appearing at 256m. Up to 35cm in length. Dk green and strongly chloritized with interstitial ankerite and sericite alteration. Abundance of qtz veining. Brittle deformation and brecciation at contacts with silicified trachyte. Ductile wavy foliation within rafts with boudinaged trachyte frags. Strongly mineralized with f-mg euhedral py.	247.00	248.00	I278222	1.00	0.148
246.00	248.00		Py01; Cp00.3; Mo00.1					
			Pyrite 1%; Chalcopyrite 0.3%; Molybdenite 0.1%					
			Abundance of f-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks. Chalcopyrite and molybdenite conc within veinlets.					
248.00	249.00		Py00.5	248.00	249.00	I278223	1.00	0.263
			Pyrite 0.5%					
			F-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.					
249.00	250.00		Py00.5	249.00	250.00	I278224	1.00	0.129
			Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		F-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.					
250.00	251.00	Py01	250.00	251.00	I278227	1.00	0.091
		Pyrite 1%					
		F-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.					
251.00	252.00	Py00.5	251.00	252.00	I278228	1.00	0.076
		Pyrite 0.5%					
		F-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks..					
252.00	254.00	Py02	252.00	253.00	I278229	1.00	0.137
		Pyrite 2%					
		F-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.					
253.00	263.00	Vn;5%;Qak;In;70°;Cp00.3;	253.00	254.00	I278230	1.00	0.119
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70° Chalcopyrite 0.3%					
		2-3 cm quartz ankerite veins 60-80 DTCA, somes veinlets with chalcopyrite					
254.00	256.00	Py01; Cp00.2	254.00	255.00	I278231	1.00	0.13
		Pyrite 1%; Chalcopyrite 0.2%	255.00	256.00	I278232	1.00	0.149
		F-mg eu-subhedral py disseminated throughout. Clustered within microfractures and stockworks.					
		Chalcopyrite within veins.					
256.00	257.76	FIn	256.00	257.00	I278233	1.00	0.535
		Foliation 35°					
		Moderate to strong foliation within mafic rafting. Irregular sharp contacts. 35-40 deg tca. Internal boudinage structures. Brecciation within qtz veins at trachyte contacts.					
256.00	257.00	Py02; Cp00.2					
		Pyrite 2%; Chalcopyrite 0.2%					
		F-mg eu-subhedral py disseminated within chloritic rafts. Chalcopyrite blebs within veins.					
257.00	258.00	Py01	257.00	257.67	I278234	0.67	0.642
		Pyrite 1%	257.67	258.11	I278235	0.44	0.491
		F-mg eu-subhedral py disseminated within greyish discolouration surrounding stockworks. In this case stockwork veins appear barren. Localized pock marks.					
257.76	258.11	Bxh					
		Breccia healed					
		Patches of intense brecciation. Greyish discoloured alteration halos. Concentrated patches of mineralization.					
258.00	260.00	Py01; Py00.1	258.11	259.00	I278236	0.89	0.306
		Pyrite 1%; Pyrite 0.1%	259.00	260.00	I278237	1.00	0.256
		F-mg eu-subhedral py along grain boundaries as well as microfractures and stockworks. Chalcopyrite within late veins.					
260.00	261.00	Py01; Cp00.1	260.00	261.00	I278238	1.00	0.299
		Pyrite 1%; Chalcopyrite 0.1%					
		F-mg eu-subhedral py along grain boundaries as well as microfractures and stockworks. Chalcopyrite within late stage veins.					

Description			Assay				
			From	To	Sample number	Length	AuBest
261.00	262.00	Py00.1; Py00.1 **Pyrite 0.1%; Pyrite 0.1%** F-mg eu-subhedral py along grain boundaries as well as microfractures and stockworks. Chalcopyrite within late stage veins.	261.00	262.00	I278239	1.00	0.555
262.00	263.14	Py04 **Pyrite 4%** F-mg eu-subhedral py conc within chloritic rafts. Disseminated within silicified zone with clusters around grain boundaries and along microfractures.	262.00	262.55	I278240	0.55	0.515
262.55	264.04	Fln **Foliation 50°** Intermittent moderate foliation within chloritized rafts of volcanic tuff. Sharp contacts 20-60 deg tca.	262.55	263.14	I278241	0.59	1.165
263.14	263.84	Py02 **Pyrite 2%** F-mg eu-subhedral py disseminated throughout. Clustered along grain boundaries as well as in microfractures and stockworks.	263.14	263.84	I278242	0.70	0.533
263.84	264.46	Py02 **Pyrite 2%** F-mg eu-subhedral py disseminated throughout. Clustered along grain boundaries as well as in microfractures and stockworks.	263.84	264.46	I278243	0.62	0.21
264.40	279.30	Ca03; Cl03; Talc02 **Calcite 3; Chlorite 3; Talc 2** Moderate to strong calcite-chlorite, weak to moderate pervasive talc					
264.46	279.36	4U; Aph; Fol **Ultramafic 50°; APHANITIC; Foliated** Dark green aphanitic / fine grained ultramafic .Sharp contacts. Strong pervasive foliation with ductile deformation and boudinage structures. Strongly chloritized with weak to moderate talc. Abundance of chalky white calcite sweats and veining oriented parallel to weak-moderate foliation 3-60 DTCA. Moderate interstitial calcite alteration. Weak to moderately magnetized. Not mineralized. ITransitional zone (279-279.36 m) mineralized with 0.5 pct fg clustered eu-subhedral pyrite.					
264.46	279.36	Fln **Foliation 30°** Moderate to strong foliation within chloritized volcanic unit. Non continuous throughout unit. Sharp contacts. 20-50 deg tca. Localized boudinaged clasts of tuff within calcite sweats and veinlets.	264.46	265.00	I278244	0.54	0.133
264.46	265.00	Py00.1 **Pyrite 0.1%** traces AutoInsert by "trg_updMineral" Updated					
265.00	266.00	Py00.1 **Pyrite 0.1%** traces	265.00	266.00	I278245	1.00	0.038

Description			Assay				
			From	To	Sample number	Length	AuBest
266.00	267.00	Py00.1; Py **Pyrite 0.1%; Pyrite** traces	266.00	267.00	I278246	1.00	0.012
267.00	268.00	Py00.1 **Pyrite 0.1%** traces	267.00	268.00	I278247	1.00	0.014
268.00	269.00	Py00.1 **Pyrite 0.1%** traces	268.00	269.00	I278248	1.00	0.007
269.00	270.00	Py00.1 **Pyrite 0.1%** traces	269.00	270.00	I278249	1.00	<0.005
270.00	271.00	Py00.1 **Pyrite 0.1%** traces	270.00	271.00	I278252	1.00	<0.005
271.00	272.00	Py00.1 **Pyrite 0.1%** traces	271.00	272.00	I278253	1.00	<0.005
272.00	273.00	Py00.1 **Pyrite 0.1%** traces	272.00	273.00	I278254	1.00	<0.005
273.00	274.00	Py00.1 **Pyrite 0.1%** traces	273.00	274.00	I278255	1.00	<0.005
274.00	275.00	Py00.1 **Pyrite 0.1%** traces	274.00	275.00	I278256	1.00	<0.005
275.00	276.00	Py00.1 **Pyrite 0.1%** traces	275.00	276.00	I278257	1.00	<0.005
276.00	277.00	Py00.1 **Pyrite 0.1%** traces	276.00	277.00	I278258	1.00	<0.005
277.00	278.00	Py00.1 **Pyrite 0.1%** traces	277.00	278.00	I278259	1.00	0.014
278.00	279.00	Py00.2 **Pyrite 0.2%** traces	278.00 278.70	278.70 279.00	I278260 I278261	0.70 0.30	0.34 0.209

Description			Assay				
			From	To	Sample number	Length	AuBest
279.00	279.36	Py00.5	279.00	279.36	I278262	0.36	0.44
		Pyrite 0.5%					
		Fg to f-mg eu-subhedral py along grain boundaries and microfractures.					
279.30	291.00	K03; Si02; Ank02					
		Potassic 3; Silica 2; Ankerite 2					
		strong pervasive potassic alteration, moderate to strong silica and ankerite.					
279.36	321.40	V4; Per; Cry	279.36	280.00	I278263	0.64	0.421
		Trachyte 60°; PERLITIC; CRYSTALRICH	280.00	281.00	I278264	1.00	0.777
		Medium red to greyish mauve fine grained trachyte. Perlithic fractures brecciated with localized translucent or	281.00	282.00	I278265	1.00	0.669
		smokey grey crystals 0.2-1 cm size sub euhedral or rounded. The unit is intersect by Quartz veins zone	282.00	283.00	I278266	1.00	0.609
		(300-308m) brecciating silicified trachyte. Pale to medium purple-grey to mauve trachyte with approximatively	283.00	284.00	I278267	1.00	0.479
		20% pale to medium grey quartz veining. Few massive grey qtz veins showing minor brecciation around					
		contacts typically barren with respect to pyrite and having minor clasts of chalcopyrite and molybdenite.					
		Alteration consist of intermittent patches or pervasive silicification associated with greyish discolouration.					
		Moderate to strong potassic alteration. Moderate ankerite alteration. Zone of broken blocky core from					
		295-297m with oxidized joints. Consistently moderate mineralization with 0.5 to 1 pct f-mg euhedral pyrite					
		disseminated within silicified patches and clustered along grain boundaries and within micro fractures.					
279.36	284.00	Py00.5					
		Pyrite 0.5%					
		0.5-1 pct fg to f-mg eu-subhedral py disseminated. Clustered within microfracture stockworks of pale					
		grey qtz and along grain boundaires.					
284.00	287.00	Py00.5	284.00	285.00	I278268	1.00	0.276
		Pyrite 0.5%	285.00	286.00	I278269	1.00	0.284
		F-mg euhedral py along grain boundaries and microfractures. Smoky-grey qtz and chl stockworks.	286.00	287.00	I278270	1.00	0.213
287.00	290.00	Py01	287.00	288.00	I278271	1.00	0.226
		Pyrite 1%	288.00	289.00	I278272	1.00	0.686
		Fg to f-mg eu-subhedral py disseminated. Clustered within microfracture smoky-grey qtz stockworks.	289.00	290.00	I278273	1.00	0.29
290.00	291.00	Py00.5	290.00	291.00	I278274	1.00	0.342
		Pyrite 0.5%					
		F-mg euhedral py along grain boundaries and microfractures. Smoky-grey qtz and chl stockworks.					
291.00	321.40	Si03; K03; Ank02	291.00	292.00	I278277	1.00	1.295
		Silica 3; Potassic 3; Ankerite 2					
		Strong pervasive silica-potassic alteration, moderate to strong ankerite. moderate spotty chlorite.					
291.00	292.00	Py01					
		Pyrite 1%					
		F-mg euhedral py along grain boundaries and microfractures. Conc within pale grey qtz.					
292.00	294.00	Py01	292.00	293.00	I278278	1.00	1.13
		Pyrite 1%	293.00	294.00	I278279	1.00	0.546
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along					

Description			Assay				
			From	To	Sample number	Length	AuBest
		grain boundaries and microfractures.					
292.00	293.30	Vn;3%;Sgq;In;60°;Py00.2 PbS00.1; **vein (5 mm - 10 cm) 3% smoky grey quartz infilled fractures 60° Pyrite 0.2% Galena 0.1%** 5-3 cm Smoky grey quartz veins 10 cm, trace of galena and pyrite					
294.00	295.00	Py01 **Pyrite 1%** F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.	294.00	295.00	I278280	1.00	0.392
294.50	297.00	Jt **Joint 40°** Zone of broken core. Many joints locally oxidized.					
295.00	296.00	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite disseminated	295.00	296.00	I278281	1.00	0.201
296.00	297.00	Py00.5 **Pyrite 0.5%** F-mg euhedral py clustered along grain boundaries and microfractures.	296.00	297.00	I278282	1.00	0.204
297.00	298.00	Py01 **Pyrite 1%** F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.	297.00	298.00	I278283	1.00	0.142
298.00	299.00	Py01.5 **Pyrite 1.5%** F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.	298.00	299.00	I278284	1.00	0.29
299.00	300.30	Py02; Cp00.05 **Pyrite 2%; Chalcopyrite 0.05%** F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Traces of chalcopyrite blebs as incl within veins.	299.00	300.30	I278285	1.30	0.123
300.30	302.00	Py01; Mo00.05 **Pyrite 1%; Molybdenite 0.05%** F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Larger greyish-qtz veins appear to be barren.	300.30 301.00	301.00 302.00	I278286 I278287	0.70 1.00	0.059 0.1
300.30	300.50	Vn;98%;Sgq;In;80°;; **vein (5 mm - 10 cm) 98% smoky grey quartz infilled fractures 80°** 20 cm smokey grey quartz vein					
301.50	317.00	Vn;10%;Sgq;In;70°;Py00.3 Mo00.2; **vein (5 mm - 10 cm) 10% smoky grey quartz infilled fractures 70° Pyrite 0.3%** **Molybdenite 0.2%**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Floodind and infilled quartz ankerite veins 0.5-10 cm 30- 60 DTCA					
302.00	303.00	Py02; Mo00.05	302.00	303.00	I278288	1.00	0.093
		Pyrite 2%; Molybdenite 0.05%					
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Larger greyish-qtz veins appear to be barren.					
303.00	306.00	Py01.5; Cp00.05; Mo00.05	303.00	304.00	I278289	1.00	0.069
		Pyrite 1.5%; Chalcopyrite 0.05%; Molybdenite 0.05%	304.00	305.00	I278290	1.00	0.052
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Incl of chalco and moly within select veinlets. Larger greyish-qtz veins appear to be barren.	305.00	306.00	I278291	1.00	0.036
306.00	307.15	Py02	306.00	307.15	I278292	1.15	0.153
		Pyrite 2%					
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Few py stringers. Larger greyish-qtz veins appear to be barren.					
307.15	308.00	Py01	307.15	308.00	I278293	0.85	0.756
		Pyrite 1%					
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.					
308.00	309.90	Py01.5	308.00	308.77	I278294	0.77	0.38
		Pyrite 1.5%	308.77	309.90	I278295	1.13	0.111
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.					
309.90	311.00	Py02; Mo00.05	309.90	311.00	I278296	1.10	0.116
		Pyrite 2%; Molybdenite 0.05%					
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Trace incl of molybdenite within qtz veins.					
311.00	312.00	Py01; Cp00.05	311.00	312.00	I278297	1.00	0.135
		Pyrite 1%; Chalcopyrite 0.05%					
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Trace incl of chalcopyrite within qtz veins.					
312.00	314.00	Py01.5; Cp00.1	312.00	312.50	I278298	0.50	0.096
		Pyrite 1.5%; Chalcopyrite 0.1%	312.50	313.30	I278299	0.80	0.28
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Larger greyish-qtz veins appear to be barren. Blebs of chalcopyrite within qtz veins.	313.30	314.00	I278302	0.70	0.283
314.00	315.00	Py01; Cp00.1; Mo00.1	314.00	315.00	I278303	1.00	0.09
		Pyrite 1%; Chalcopyrite 0.1%; Molybdenite 0.1%					
		F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Larger greyish-qtz veins appear to be barren except for minor incl of chalcopyrite and molybdenite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
315.00	316.00	Py02; Mo00.05 **Pyrite 2%; Molybdenite 0.05%** F-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Larger greyish-qtz veins appear to be barren. Localized clusters of molybdenite.	315.00	316.00	I278304	1.00	0.18
316.00	316.54	Py00.5; Cp00.1; Mo00.05 **Pyrite 0.5%; Chalcopyrite 0.1%; Molybdenite 0.05%** 0.5-1 pct fg to f-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Larger greyish-qtz veins appear to be barren except for incl of chalcopyrite and molybdenite.	316.00	316.54	I278305	0.54	0.049
316.54	317.00	Py00.5 **Pyrite 0.5%** Fg to f-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.	316.54	317.00	I278306	0.46	0.173
317.00	318.00	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** Fg to f-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Localized chalcopyrite as incl within veinlets.	317.00	318.00	I278307	1.00	0.167
318.00	319.00	Py02 **Pyrite 2%** Fg to f-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.	318.00	319.00	I278308	1.00	0.154
319.00	320.00	Py01.5 **Pyrite 1.5%** Fg to f-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures.	319.00	320.00	I278309	1.00	0.145
320.00	320.80	Py01; Cp00.05 **Pyrite 1%; Chalcopyrite 0.05%** Fg to f-mg euhedral py disseminated within irregular pale grey qtz patches and stockworks. Clustered along grain boundaries and microfractures. Incl of chalcopyrite within certain veins.	320.00	320.80	I278310	0.80	0.238
320.80	321.40	Py00.5 **Pyrite 0.5%** Fg to f-mg euhedral py clustered along grain boundaries and microfractures.	320.80	321.40	I278311	0.60	0.119
321.40	328.44	MI; Fol **Mafic Intrusion 70°; Foliated** Med green mafic unit fine grained. Possible flow or tuff difficult to determine. Sharp contacts with no apparent chill margins. strongly chloritized with moderate interstitial calcite alteration. Abundance of calcite veinlets and sweats ductally deformed and oriented withing weak to moderate pervasive foliation. Traces of fg to fine to-medium grained structurally controlled pyrite.					
321.40	328.40	Cl03; Ank02 **Chlorite 3; Ankerite 2**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong dark chlorite alteration, moerate pervasive ankerite					
321.40	328.44	Fln	321.40	322.00	I278312	0.60	0.231
		Foliation 65°					
		Moderate foliation within mafic unit. Sharp contacts. Irregular ductile deformation within unit - crenulated to folded calcite veinlets.					
321.40	322.00	Py00.2					
		Pyrite 0.2%					
		Traces of fg to f-mg euhedral py along grain boundaries and microfractures.					
322.00	325.00	Py00.05	322.00	323.00	I278313	1.00	0.089
		Pyrite 0.05%	323.00	324.00	I278314	1.00	0.248
		Traces of fg to f-mg euhedral py along grain boundaries and within microfractures.	324.00	325.00	I278315	1.00	0.269
			325.00	326.00	I278316	1.00	0.065
			326.00	327.00	I278317	1.00	0.016
			327.00	328.00	I278318	1.00	0.009
			328.00	328.44	I278319	0.44	0.028
328.40	334.80	K03; Ank02; Cl01					
		Potassic 3; Ankerite 2; Chlorite 1					
		Strong pervasive potassic alteration, moderate pervasive ankerite, weak					
328.44	407.24	V4; Pep; Per	328.44	329.00	I278320	0.56	0.034
		Trachyte 40°; PEPERITIC; PERLITIC	329.00	329.73	I278321	0.73	0.035
		Medium to dark green trachytic flow. Fine grained matrix with spotted pinkish-grey color giving appearance brecciated fragments within mafic material. The entire unit is weakly bleach with fractures fill of magnetite or dark chlorite(hydrothermal alteration?). The lower unit (393.30-404.50m) is more massive and show moderate silicification and increase of mineralisation. Moderate to strong interstitial or pervasive calcite alteration. Weak mottle potassic alteration, moderate to strong dark green chlorite, moderate to strong pervasive mangnetite. Weak to moderately mineralized with 0.5- 1% euhedral or fine grained pyrite and localized vein associated chalcopyrite					
328.44	332.34	V4					
		Trachyte 50°					
		Med greyish red. Fg and weakly silicified. Moderate ankerite alteration. Sharp upper contact. Gradational lower contact interflow into more chloritized flow or tuff. Zones of moderate to strong brecciation with qtz to chl infill. Weak to moderately mineralized with 0.5 pct fg to f-mg py and localized vein associated chalcopyrite.					
328.44	329.73	Py00.5					
		Pyrite 0.5%					
		Fg to f-mg euhedral py clustered along grain boundaries and microfractures.					
329.73	331.50	Bxh	329.73	330.77	I278322	1.04	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
		Breccia healed					
		Zone of intermittent brecciation. Flooded patches of beige qtz with med coarse fragments of silicified trachyte. Veining appears to lack mineralization. Irregular contacts.					
329.73	330.77	Py00.5					
		Pyrite 0.5%					
		0.5-1 pct fg to f-mg euhedral py concentrated within crenulated seams and clustered along grain boundaries and microfractures.					
330.77	331.50	Py00.05; Cp00.2	330.77	331.50	I278323	0.73	0.012
		Pyrite 0.05%; Chalcopyrite 0.2%					
		Traces of fg to f-mg euhedral py along grain boundaries and microfractures. Locally conc blebs of chalcopyrite within qtz irregular stockwork veining.					
331.50	332.34	Py00.5	331.50	332.34	I278324	0.84	0.036
		Pyrite 0.5%					
		Fg to f-mg euhedral py clustered along grain boundaries and microfractures.					
332.14	332.34	Fln					
		Foliation 70°					
		Band of strongly foliated mafic and sericitized material. Sharp contacts. Localized folding - boudinaged trachyte clasts. 60-75 deg tca.					
332.34	340.20	Fln	332.34	333.00	I278327	0.66	0.018
		Foliation 40°	333.00	334.00	I278328	1.00	0.011
		Weak foliation continuous throughout interval. 40-55 deg tca.					
332.34	334.00	Py00.2					
		Pyrite 0.2%					
		Traces of fg to f-mg euhedral py locally clustered in open cavity. Clustered along grain boundaries and microfractures.					
334.00	335.00	Py00.1	334.00	335.00	I278329	1.00	0.011
		Pyrite 0.1%					
		Fg to f-mg euhedral py along grain boundaries and microfractures.					
334.80	342.30	Ca02; K02; Cl02					
		Calcite 2; Potassic 2; Chlorite 2					
		Moderate patchy calcite, chlorite and potassic alteration,					
		calcite is more intense ii veins					
335.00	336.50	Py00.2; Mo00.05	335.00	336.00	I278330	1.00	0.013
		Pyrite 0.2%; Molybdenite 0.05%	336.00	336.50	I278331	0.50	0.02
		Fg to f-mg euhedral py along grain boundaries and microfractures. Traces of molybdenite.					
336.50	338.00	Py00.05	336.50	337.00	I278332	0.50	0.011
		Pyrite 0.05%	337.00	338.00	I278333	1.00	0.006
		Traces of fg to f-mg euhedral py along grain boundaries and microfractures.					
338.00	340.20	Py00.5	338.00	339.00	I278334	1.00	0.023
		Pyrite 0.5%	339.00	340.20	I278335	1.20	0.025

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg euhedral py clustered within chloritic alteration along grain boundaries and microfractures.					
340.20	342.30	FLT; Gg	340.20	341.38	I278336	1.18	0.062
		Fault 50°; Fault gouge	341.38	342.30	I278337	0.92	0.006
		Broken and rubbly core with localized partially washed away fault gouge. Trace oxidation. No visible slickensides. Remnant gouge is silty with m-cg angular frags.					
340.20	341.38	Py00.2					
		Pyrite 0.2%					
		0.2-0.5 pct fg to f-mg euhedral py within chloritic alteration clustered along grain boundaries and microfractures.					
342.30	390.30	Ca03; Cl03; K01	342.30	343.00	I278338	0.70	0.009
		Calcite 3; Chlorite 3; Potassic 1					
		Intense pervasive calcite, dark chlorite in stringers or veinlets, spotty weak potasic alteration.					
342.30	346.10	Fln					
		Foliation 50°					
		Weak to moderate foliation continuous throughout mafic unit. 40-60 deg tca.					
342.30	343.00	Py00.05					
		Pyrite 0.05%					
		Traces of Fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
343.00	346.10	Py00.1	343.00	344.00	I278339	1.00	0.009
		Pyrite 0.1%	344.00	345.00	I278340	1.00	0.043
		Traces of fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.	345.00	346.10	I278341	1.10	0.009
346.10	346.72	Py00.5	346.10	346.72	I278342	0.62	0.023
		Pyrite 0.5%					
		Fg to f-mg euhedral py clustered along grain boundaries and microfractures.					
346.72	350.80	Fln	346.72	348.00	I278343	1.28	0.048
		Foliation 60°					
		Weak to moderate foliation continuous throughout mafic unit. 40-60 deg tca.					
346.72	348.00	Py00.5					
		Pyrite 0.5%					
		Fg to f-mg euhedral py within chloritic alteration clustered along grain boundaries and microfractures.					
348.00	350.00	Py00.2	348.00	349.00	I278344	1.00	0.006
		Pyrite 0.2%	349.00	350.00	I278345	1.00	0.035
		Fg to f-mg euhedral py within chloritic alteration clustered along grain boundaries and microfractures.					
350.00	350.80	Py00.1	350.00	350.80	I278346	0.80	0.012
		Pyrite 0.1%					
		Fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
350.80	351.68	Py01	350.80	351.68	I278347	0.88	0.069
		Pyrite 1%					
		Fg to f-mg euhedral py disseminated and conc along grain boundaries and microfractures.					

Description			Assay				
			From	To	Sample number	Length	AuBest
351.68	354.00	Py00.5	351.68	352.80	I278348	1.12	0.005
		Pyrite 0.5%					
		F-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
352.80	356.39	Fln	352.80	354.00	I278349	1.20	0.018
		Foliation 40°					
		Weak foliation continuous throughout mafic unit. 40-60 deg tca.					
354.00	356.00	Py00.2	354.00	355.00	I278352	1.00	0.007
		Pyrite 0.2%	355.00	356.00	I278353	1.00	0.011
		Fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
356.00	356.39	Py00.05	356.00	356.39	I278354	0.39	0.057
		Pyrite 0.05%					
		Traces of fmg euhedral py within chloritic alteration along grain boundaries and microfractures.					
356.39	357.27	Py00.5; Cp00.1	356.39	357.27	I278355	0.88	0.261
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures. Vein controlled blebs of chalcopyrite.					
357.27	357.80	Py01	357.27	357.81	I278356	0.54	0.306
		Pyrite 1%					
		Fg to f-mg euhedral py disseminated within silicification and clustered along grain boundaries and microfractures.					
357.80	364.00	Py00.01					
		Pyrite 0.01%					
		Traces of fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
357.81	366.00	Fln	357.81	359.00	I278357	1.19	0.005
		Foliation 40°	359.00	360.00	I278358	1.00	0.013
		Weak to moderate foliation continuous throughout mafic unit. 40-60 deg tca. Becoming irregular and difficult to distinguish downhole.	360.00	361.00	I278359	1.00	0.005
			361.00	362.00	I278360	1.00	0.01
			362.00	363.00	I278361	1.00	<0.005
			363.00	364.00	I278362	1.00	<0.005
364.00	365.00	Py00.05	364.00	365.00	I278363	1.00	0.011
		Pyrite 0.05%					
		Fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
365.00	366.00	Py00.1	365.00	366.00	I278364	1.00	<0.005
		Pyrite 0.1%					
		0.1-0.2 pct fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
366.00	368.00	Py00.05	366.00	367.00	I278365	1.00	<0.005
		Pyrite 0.05%	367.00	368.00	I278366	1.00	<0.005
		Fg to f-mg euhedral py within chloritic alteration along grain boundaries and microfractures.					
368.00	369.00	Py00.2	368.00	369.00	I278367	1.00	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		Fg to f-mg eu-subhedral py within chlorite alteration along grain boundaries and microfractures.					
369.00	377.00	Py00.01	369.00	370.00	I278368	1.00	<0.005
		Pyrite 0.01%	370.00	371.00	I278369	1.00	<0.005
		Traces of fg to f-mg eu-subhedral py within chlorite alteration along grain boundaries and microfractures.	371.00	372.00	I278370	1.00	<0.005
			372.00	373.00	I278371	1.00	<0.005
			373.00	374.00	I278372	1.00	<0.005
			374.00	375.00	I278373	1.00	<0.005
			375.00	376.00	I278374	1.00	<0.005
			376.00	377.00	I278377	1.00	<0.005
377.00	378.00	Py00.1	377.00	378.00	I278378	1.00	0.009
		Pyrite 0.1%					
		Fg to f-mg eu-subhedral py within chlorite alteration along grain boundaries and microfractures.					
378.00	379.00	Py00.5	378.00	379.00	I278379	1.00	0.055
		Pyrite 0.5%					
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
379.00	385.00	Py00.05	379.00	380.00	I278380	1.00	<0.005
		Pyrite 0.05%	380.00	381.00	I278381	1.00	<0.005
		Fg to f-mg eu-subhedral py within chlorite alteration along grain boundaries and microfractures.	381.00	382.00	I278382	1.00	<0.005
			382.00	383.00	I278383	1.00	<0.005
			383.00	384.00	I278384	1.00	0.005
			384.00	385.00	I278385	1.00	0.143
385.00	386.00	Py00.5	385.00	386.00	I278386	1.00	0.071
		Pyrite 0.5%					
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
386.00	387.00	Py00.2	386.00	387.00	I278387	1.00	0.014
		Pyrite 0.2%					
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
387.00	390.90	Py00.1	387.00	388.00	I278388	1.00	<0.005
		Pyrite 0.1%	388.00	389.00	I278389	1.00	0.006
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.	389.00	390.00	I278390	1.00	0.005
			390.00	390.90	I278391	0.90	0.013
390.30	406.30	Si02; Cl02; Ank02; K01; Se01					
		Silica 2; Chlorite 2; Ankerite 2; Potassic 1; Sericite 1					
		Moderate pervasive silica-chlorite-ankerite, weak spotty potassic-sericite alteration					
390.90	392.00	Py00.5	390.90	392.00	I278392	1.10	0.277
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		F-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
392.00	393.35	Py00.1	392.00	392.90	I278393	0.90	0.008
		Pyrite 0.1%	392.90	393.35	I278394	0.45	<0.005
		Traces of fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
393.30	406.30	V4M					
		Trachyte mafic					
		Altered trachytic mafic flow. Medium greyish with slight pinkish-red tinge. Fine grained. weakly sericitized with moderate pervasive silicification. Wall rock locally brecciated within strongly chloritized dk green matrix. Weak to moderate ankerite alteration. Strongly mineralized at upper contact and weakening downhole with py conc ranging from 0.1-2 pct. Fine to medium eu-subhedral grains disseminated within sericite-silica altered flow and clustered within chloritic microfractures. Gradational upper contact with banding and ductile deformation at lower contact into transitional flow unit.					
393.35	394.00	Py01	393.35	394.00	I278395	0.65	1.635
		Pyrite 1%					
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
394.00	396.00	Py02	394.00	395.00	I278396	1.00	0.922
		Pyrite 2%	395.00	396.00	I278397	1.00	0.596
		Fg to f-mg eu-subhedral py disseminated within sericite-silicate alteration and clustered within chlorite alteration along grain boundaries and microfractures.					
395.80	407.14	Fln					
		Foliation 50°					
		Patchy foliation 25-60 deg tca. Ductile deformation of sericitized and weakly silicified wall rock in chloritic matrix. Chloritic bands and stringers oriented along foliation.					
396.00	397.00	Py01	396.00	397.00	I278398	1.00	0.15
		Pyrite 1%					
		Fg to f-mg eu-subhedral py disseminated within sericite-silicate alteration and clustered within chlorite alteration along grain boundaries and microfractures.					
397.00	399.00	Py02	397.00	398.00	I278399	1.00	0.563
		Pyrite 2%	398.00	399.00	I278402	1.00	0.341
		Fg to f-mg eu-subhedral py disseminated within sericite-silicate alteration and clustered within chlorite alteration along grain boundaries and microfractures.					
399.00	401.00	Py00.5	399.00	400.00	I278403	1.00	0.025
		Pyrite 0.5%	400.00	401.00	I278404	1.00	0.034
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
401.00	403.00	Py00.5	401.00	402.00	I278405	1.00	0.035
		Pyrite 0.5%	402.00	403.00	I278406	1.00	0.047
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.					
403.00	406.00	Py00.1	403.00	404.00	I278407	1.00	0.027
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg eu-subhedral py clustered within chlorite alteration along grain boundaries and microfractures.	404.00	405.00	I278408	1.00	0.023
			405.00	406.00	I278409	1.00	0.078
406.00	407.24	Py00.1	406.00	407.29	I278410	1.29	0.128
		Pyrite 0.1%					
		Fg to f-mg eu-subhedral py disseminated within patches of sericite alteration and clustered within chlorite alteration along grain boundaries and microfractures.					
406.30	408.50	K02; Cl02					
		Potassic 2; Chlorite 2					
		moderate potassic chlorite alteration					
407.14	411.53	Fln					
		Foliation 40°					
		Weak to strong foliation visible through banding of various alteration. 25-50 deg tca becoming more shallow towards lower contact. Zone of trachytic interflow from 408 to 408.54m with irregular contacts and ripped up fragmets of tuffaceous material. Foliation continues for 70 cm below lower contact weakening progressively.					
407.24	411.53	V4; Tuff					
		Trachyte 40°; TUFF					
		Pale to medium greyish green. fine grained transitional trachyte-tuff interflow with banding at upper contact and sharp lower contact. Moderately chloritized with moderate to strong sericitization. Weak to moderate ankerite alteration. Moderate to strong continuous foliation 25-50 deg tca. fine to medium grained subhedral magnetite disseminated across unit. Trace mineralization with very fg py along larger grain boundaries. Dominantly trachytic unit from 408.00-408.54m. Med pinky-red felsic and silicified unit with irregular ripped up fragments of surrounding sericitized tuff. Abundance of irregular white-cream ankerite veining.					
407.24	423.00	Py00.1	407.29	408.00	I278411	0.71	0.032
		Pyrite 0.1%					
		Traces of very fg to fg euhedral py clustered along grain boundaries and oriented within foliation.					
408.00	408.50	Vn;10%;Qak;Fl;60°;Py00.2;	408.00	408.54	I278412	0.54	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite flooding 60° Pyrite 0.2%					
		Late flooding quartz ankerite veins in a pinkish or reddish trachyte flow disseminated euhedral pyrite.					
408.50	411.50	Cl02; Se02; Ca01	408.54	409.00	I278413	0.46	<0.005
		Chlorite 2; Sericite 2; Calcite 1	409.00	410.00	I278414	1.00	<0.005
		Moderate sericite and chlorite, weak to moderate spotty calcite	410.00	411.00	I278415	1.00	<0.005
			411.00	411.53	I278416	0.53	<0.005
411.50	446.00	Cl02; Ca01; Se01; Alb01					
		Chlorite 2; Calcite 1; Sericite 1; Albite 1					
		Moderate chlorite, weak sericite, weak calcite and ankerite					
411.53	612.00	V4; Por	411.53	412.26	I278417	0.73	0.008
		Trachyte 25°; Porphyritic	412.26	413.00	I278418	0.74	<0.005
		Pale to dark greenish-grey trachytic flow unit. Fine grained chloritized and calcite altered matrix. Intermittent	413.00	414.00	I278419	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		flows with f-mg eu-subhedral calcite replaced phenocrysts and elongate medium grained chlorite replaced phenocrysts. Localized unit with larger rounded and irregular almost amygdaloidal shaped calcitic grains from 456-464m. Intermittent flows with pink discolouration of calcitic material. Generally these flows contain an abundance of sharply defined euhedral calcite replaced phenos and chloritic phenos. Few localized brecciated pink calcite veins with coarse angular incl of wall rock. Gradational contacts between alternating flow units marked by sudden appearance or disappearance of phenocrysts. Very weak to weak and variable orientation of phenos visible in certain flow units 15-50 DTCA. Very weak to moderate foliation in certain flow units 20-50 DTCA. moderate to strong moderately magnetic with visible f-mg magnetite scattered throughout. Irregular calcite veinlets to veins locally with patches of sericite alteration and clustered incl of 0.01-0.5 pct f-mg euhedral py.	414.00	415.00	I278420	1.00	<0.005
			415.00	416.00	I278421	1.00	<0.005
			416.00	417.00	I278422	1.00	<0.005
			417.00	418.00	I278423	1.00	<0.005
			418.00	419.00	I278424	1.00	0.007
			419.00	420.00	I278427	1.00	0.015
			420.00	421.00	I278428	1.00	0.01
			421.00	422.00	I278429	1.00	0.012
			422.00	423.00	I278430	1.00	<0.005
423.00	427.00	Py00.1 **Pyrite 0.1%** Traces of very fg to fg euhedral py clustered within qtz-calcite veinlets.	423.00	424.00	I278431	1.00	<0.005
			424.00	425.00	I278432	1.00	<0.005
			425.00	426.00	I278433	1.00	<0.005
			426.00	427.00	I278434	1.00	<0.005
427.00	435.00	Py00.2 **Pyrite 0.2%** Localized very fg to fg euhedral py clustered within qtz-calcite veinlets.	427.00	428.00	I278435	1.00	<0.005
			428.00	429.00	I278436	1.00	<0.005
			429.00	430.00	I278437	1.00	<0.005
			430.00	431.00	I278438	1.00	<0.005
			431.00	432.00	I278439	1.00	<0.005
			432.00	433.00	I278440	1.00	<0.005
			433.00	434.00	I278441	1.00	<0.005
			434.00	435.00	I278442	1.00	<0.005
435.00	441.00	Py00.1 **Pyrite 0.1%** Localized very fg to fg euhedral py clustered within qtz-calcite veinlets.	435.00	436.00	I278443	1.00	0.007
			436.00	437.00	I278444	1.00	0.013
			437.00	438.00	I278445	1.00	<0.005
			438.00	439.00	I278446	1.00	<0.005
			439.00	440.00	I278447	1.00	<0.005
			440.00	441.00	I278448	1.00	<0.005
441.00	455.00	Py00.2 **Pyrite 0.2%** Traces of very fg to fg euhedral py clustered within qtz-calcite veinlets.	441.00	442.00	I278449	1.00	<0.005
			442.00	443.00	I278452	1.00	<0.005
			443.00	444.00	I278453	1.00	<0.005
			444.00	445.00	I278454	1.00	<0.005
			445.00	446.00	I278455	1.00	<0.005
446.00	471.00	Cl03; Ca02 **Chlorite 3; Calcite 2**	446.00	447.00	I278456	1.00	<0.005
			447.00	448.00	I278457	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		intense chlorite, moderate calcite	448.00	449.00	I278458	1.00	<0.005
			449.00	450.00	I278459	1.00	<0.005
			450.00	451.00	I278460	1.00	<0.005
450.40	450.60	Bxh	451.00	452.00	I278461	1.00	<0.005
		Breccia healed 50°	452.00	453.00	I278462	1.00	<0.005
		Few brecciated calcite veins. Stained pink from possible hematite alteration. Coarse angular fragments of	453.00	454.00	I278463	1.00	<0.005
		wall rock within veins.	454.00	455.00	I278464	1.00	<0.005
455.00	473.00	Py00.1	455.00	456.00	I278465	1.00	<0.005
		Pyrite 0.1%	456.00	457.00	I278466	1.00	<0.005
		Traces of very fg to fg euhedral py clustered within qtz-calcite veinlets.	457.00	458.00	I278467	1.00	<0.005
			458.00	459.00	I278468	1.00	<0.005
			459.00	460.00	I278469	1.00	0.007
			460.00	461.00	I278470	1.00	<0.005
			461.00	462.00	I278471	1.00	<0.005
			462.00	463.00	I278472	1.00	<0.005
			463.00	464.00	I278473	1.00	<0.005
			464.00	465.00	I278474	1.00	<0.005
			465.00	466.00	I278477	1.00	0.005
			466.00	467.00	I278478	1.00	<0.005
			467.00	468.00	I278479	1.00	<0.005
			468.00	469.00	I278480	1.00	<0.005
			469.00	470.00	I278481	1.00	<0.005
			470.00	471.00	I278482	1.00	<0.005
471.00	549.00	Ca03; Cl03	471.00	472.00	I278483	1.00	0.005
		Calcite 3; Chlorite 3	472.00	473.00	I278484	1.00	<0.005
		Strong pervasive chlorite an calcite al;teration					
473.00	475.00	Py00.2	473.00	474.00	I278485	1.00	0.006
		Pyrite 0.2%	474.00	475.00	I278486	1.00	<0.005
		Mg euhedral py clustered within and around calcite veining.					
475.00	479.00	Py00.1	475.00	476.00	I278487	1.00	<0.005
		Pyrite 0.1%	476.00	477.00	I278488	1.00	<0.005
		Traces of f-mg euhedral py associated with calcite veining.	477.00	478.00	I278489	1.00	<0.005
			478.00	479.00	I278490	1.00	<0.005
479.00	480.00	Py00.2	479.00	480.00	I278491	1.00	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Traces of f-mg euhedral py associated with calcite veining.					
480.00	490.00	Py00.2	480.00	481.00	I278492	1.00	0.009
		Pyrite 0.2%	481.00	482.00	I278493	1.00	0.007
		F-mg to mg euhedral py disseminated and associated with calcite veining.	482.00	483.00	I278494	1.00	0.006
			483.00	484.00	I278495	1.00	<0.005
			484.00	485.00	I278496	1.00	0.005
			485.00	486.00	I278497	1.00	<0.005
			486.00	487.00	I278498	1.00	0.005
			487.00	488.00	I278499	1.00	<0.005
			488.00	489.00	I278502	1.00	<0.005
			489.00	490.00	I278503	1.00	<0.005
490.00	491.00	Py00.1	490.00	491.00	I278504	1.00	<0.005
		Pyrite 0.1%					
		Locally clustered f-mg to mg euhedral py. Chl infilled pressure shadows.					
491.00	494.00	Py00.1	491.00	492.00	I278505	1.00	<0.005
		Pyrite 0.1%	492.00	493.00	I278506	1.00	<0.005
		Traces of very fg euhedral py.	493.00	494.00	I278507	1.00	<0.005
494.00	497.00	Py00.1	494.00	495.00	I278508	1.00	0.005
		Pyrite 0.1%					
		Traces of f-mg euhedral py clustered within and around calcite veining.					
495.00	520.00	Vn;3%;Qak;In;40°;;	495.00	496.00	I278509	1.00	0.009
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40°	496.00	497.00	I278510	1.00	<0.005
		infilled pinkisk quartz ankerite viens 0.5-1 cm 30-50 DTCA					
497.00	500.00	Py00.1	497.00	498.00	I278511	1.00	0.005
		Pyrite 0.1%	498.00	499.00	I278512	1.00	<0.005
		F-mg to mg euhedral py clustered around calcite veining. Chl infilled pressure shadows.	499.00	500.00	I278513	1.00	<0.005
500.00	504.00	Py00.1	500.00	501.00	I278514	1.00	<0.005
		Pyrite 0.1%	501.00	502.00	I278515	1.00	<0.005
		F-mg to mg euhedral py clustered around calcite veining. Locally deformed to rhombohedrals. Chl infilled	502.00	503.00	I278516	1.00	<0.005
		pressure shadows.	503.00	504.00	I278517	1.00	<0.005
504.00	505.00	Py00.2	504.00	505.00	I278518	1.00	<0.005
		Pyrite 0.2%					
		F-mg to mg euhedral py clustered around calcite veining.					
505.00	509.00	Py00.2	505.00	506.00	I278519	1.00	<0.005
		Pyrite 0.2%	506.00	507.00	I278520	1.00	<0.005
		Traces of f-mg to mg euhedral py associated with calcite veining.	507.00	508.00	I278521	1.00	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			508.00	509.00	I278522	1.00	<0.005
509.00	526.00	Py00.1	509.00	510.00	I278523	1.00	0.005
		Pyrite 0.1%	510.00	511.00	I278524	1.00	<0.005
		F-mg to mg euhedral py clustered around calcite veining. Chl infilled pressure shadows.	511.00	512.00	I278527	1.00	<0.005
			512.00	513.00	I278528	1.00	<0.005
			513.00	514.00	I278529	1.00	<0.005
			514.00	515.00	I278530	1.00	<0.005
514.34	524.00	Fln	515.00	515.37	I278531	0.37	<0.005
		Foliation 40°	515.37	516.00	I278532	0.63	<0.005
		Weak foliation visible through alignment of phenocrysts and alteration bands. Calcitic veinlets generally	516.00	517.00	I278533	1.00	<0.005
		oriented within foliation. 25-50 deg tca.	517.00	518.00	I278534	1.00	<0.005
			518.00	519.00	I278535	1.00	<0.005
			519.00	520.00	I278536	1.00	<0.005
			520.00	521.00	I278537	1.00	<0.005
			521.00	522.00	I278538	1.00	<0.005
			522.00	523.00	I278539	1.00	<0.005
			523.00	524.00	I278540	1.00	<0.005
524.00	538.00	Vn;3%;Qak;In;40°;;	524.00	525.00	I278541	1.00	0.006
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40°					
		Ifilled quartz ankerite veins 0.5-4 cm 30-50 DTCA					
524.70	527.00	Fln	525.00	526.00	I278542	1.00	<0.005
		Foliation 40°					
		Weak foliation visible through alignment of phenocrysts and alteration 30-40 deg tca.					
526.00	539.00	Py00.2	526.00	527.00	I278543	1.00	0.005
		Pyrite 0.2%	527.00	528.00	I278544	1.00	<0.005
		F-mg to mg euhedral py clustered around calcite veining. Chl infilled pressure shadows.	528.00	529.00	I278545	1.00	<0.005
			529.00	530.00	I278546	1.00	<0.005
			530.00	531.00	I278547	1.00	<0.005
			531.00	532.00	I278548	1.00	<0.005
			532.00	533.00	I278549	1.00	<0.005
			533.00	534.00	I278552	1.00	<0.005
534.00	540.00	Fln	534.00	535.00	I278553	1.00	<0.005
		Foliation 50°	535.00	536.00	I278554	1.00	<0.005
		Weak intermittent foliation visible through alignment of phenocrysts and alteration bands. Calcitic veinlets	536.00	537.00	I278555	1.00	<0.005
		generally oriented within foliation. 30-60 deg tca.	537.00	538.00	I278556	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			538.00	539.00	I278557	1.00	<0.005
539.00	549.70	Py00.2	539.00	540.00	I278558	1.00	<0.005
		Pyrite 0.2%	540.00	541.00	I278559	1.00	<0.005
		Traces of fg to f-mg euhedral py associated with calcite veining.	541.00	542.00	I278560	1.00	<0.005
			542.00	543.00	I278561	1.00	<0.005
543.00	551.60	Fln	543.00	544.00	I278562	1.00	<0.005
		Foliation 40°	544.00	545.00	I278563	1.00	<0.005
		Weak to moderate intermittent foliation visible through alignment of phenocrysts and alteration bands.	545.00	546.00	I278564	1.00	<0.005
		Calcitic veinlets generally oriented within foliation. 35-50 deg tca.	546.00	547.00	I278565	1.00	0.006
			547.00	548.00	I278566	1.00	<0.005
			548.00	549.00	I278567	1.00	<0.005
549.00	565.00	Cl03; Ca02	549.00	549.70	I278568	0.70	<0.005
		Chlorite 3; Calcite 2					
		Intense chlorite, moderate to strong calcite, calcite is more intense in veins and veinlets					
549.70	550.00	Py00.1	549.70	550.00	I278569	0.30	0.068
		Pyrite 0.1%					
		F-mg to mg euhedral py clustered within bands of sericitization. Chl infilled pressure shadows.					
550.00	575.00	Py00.2	550.00	551.00	I278570	1.00	<0.005
		Pyrite 0.2%	551.00	552.00	I278571	1.00	<0.005
		F-mg to mg euhedral py clustered within patchy sericitization. Chl infilled pressure shadows.	552.00	553.00	I278572	1.00	<0.005
			553.00	554.00	I278573	1.00	<0.005
			554.00	555.00	I278574	1.00	<0.005
			555.00	556.00	I278577	1.00	<0.005
555.75	587.00	Fln	556.00	557.00	I278578	1.00	<0.005
		Foliation 50°	557.00	558.00	I278579	1.00	<0.005
		Weak to moderate relatively continuous foliation visible through alignment of phenocrysts and alteration	558.00	559.00	I278580	1.00	<0.005
		bands. Calcitic veinlets generally oriented within foliation. 30-50 deg tca. Sharper definition in interflow	559.00	560.00	I278581	1.00	<0.005
		units.					
559.80	576.00	Vn;3%;Qak;Fl;;;	560.00	561.00	I278582	1.00	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite flooding	561.00	562.00	I278583	1.00	<0.005
		Pinkish flooding quartz ankerite veins	562.00	563.00	I278584	1.00	<0.005
			563.00	564.00	I278585	1.00	0.009
			564.00	565.00	I278586	1.00	<0.005
565.00	600.00	Ca03; Cl03; K01	565.00	566.00	I278587	1.00	0.013
		Calcite 3; Chlorite 3; Potassic 1	566.00	567.00	I278588	1.00	0.013
		Intense pervasive calcite-chlorite alteration spotty weak potassic.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			567.00	568.00	I278589	1.00	0.015
			568.00	569.00	I278590	1.00	0.008
			569.00	570.00	I278591	1.00	0.006
			570.00	571.00	I278592	1.00	0.007
			571.00	572.00	I278593	1.00	0.009
			572.00	573.00	I278594	1.00	0.006
			573.00	574.00	I278595	1.00	0.016
			574.00	575.00	I278596	1.00	<0.005
575.00	585.00	Py00.1	575.00	576.00	I278597	1.00	<0.005
		Pyrite 0.1%					
		Traces of f-mg to mg euhedral py.					
576.00	594.00	Vn;5%;Qak;In;50°;;	576.00	577.00	I278598	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 50°	577.00	578.00	I278599	1.00	<0.005
		Pinkish infilled quartz ankerite veins 0.5-12 cm 30-60 DTCA,	578.00	579.00	I278602	1.00	<0.005
			579.00	580.00	I278603	1.00	<0.005
			580.00	581.00	I278604	1.00	0.014
			581.00	582.00	I278605	1.00	0.185
			582.00	583.00	I278606	1.00	<0.005
			583.00	584.00	I278607	1.00	<0.005
			584.00	585.00	I278608	1.00	0.007
585.00	586.00	Py00.1	585.00	586.00	I278609	1.00	<0.005
		Pyrite 0.1%					
		Traces of very fine to fg euhedral py within patchy sericite alteration.					
586.00	587.00	Py00.1	586.00	587.00	I278610	1.00	0.007
		Pyrite 0.1%					
		Disseminated patches of very fine to fg euhedral py. Chl infilled pressure shadows. Somewhat oriented within foliation.					
587.00	589.23	Py00.1	587.00	588.00	I278611	1.00	<0.005
		Pyrite 0.1%	588.00	589.23	I278612	1.23	0.017
		Traces of very fine to fg euhedral py associated with calcite veining.					
589.23	590.34	Fln					
		Foliation 40°					
		Weak to moderate patchy foliation visible through alignment of phenocrysts and alteration bands. 30-60 deg tca.					
589.23	597.00	Py00.2	589.23	590.34	I278613	1.11	0.126
		Pyrite 0.2%	590.34	591.00	I278614	0.66	<0.005
		0.1-0.2 pct fg to f-mg euhedral py clustered within and around calcite veining and sericitization.	591.00	592.00	I278615	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			592.00	593.00	I278616	1.00	<0.005
			593.00	594.00	I278617	1.00	<0.005
			594.00	595.00	I278618	1.00	<0.005
594.75	610.00	FIn	595.00	596.00	I278619	1.00	<0.005
		Foliation 30°	596.00	597.00	I278620	1.00	0.007
		Weak to moderate intermitten foliation visible through alignment of phenocrysts and alteration bands.					
		Calcitic veinlets generally oriented within foliation. 25-40 deg tca.					
597.00	612.00	Py00.05	597.00	598.00	I278621	1.00	0.006
		Pyrite 0.05%	598.00	599.00	I278622	1.00	<0.005
		Traces of f-mg euhedral py within and around calcite veining.	599.00	600.00	I278623	1.00	<0.005
600.00	612.00	Ca03; Cl03	600.00	601.00	I278624	1.00	0.012
		Calcite 3; Chlorite 3	601.00	602.00	I278627	1.00	<0.005
		Moderate to strong calcite alteration, strong chlorite	602.00	603.00	I278628	1.00	<0.005
			603.00	604.00	I278629	1.00	<0.005
			604.00	605.00	I278630	1.00	<0.005
			605.00	606.00	I278631	1.00	0.011
			606.00	607.00	I278632	1.00	<0.005
			607.00	608.00	I278633	1.00	<0.005
			608.00	609.00	I278634	1.00	0.025
			609.00	610.00	I278635	1.00	<0.005
609.50	612.00	Vn;5%;Qak;In;50°;;	610.00	611.00	I278636	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 50°	611.00	612.00	I278637	1.00	<0.005
		Infilled and flodding whitish and pinkish quartz ankerite veins 1-4 cm 50-60 DTCA					
612.00	**End of DDH**						
	Number of samples: 586						
	Number of QAQC samples: 51						
	Total sampled length: 559.00						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_36

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	27/02/2014	Description date:	05/03/2014
		To:	02/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 98.10 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,057.351
North	0.0	0.000	5,331,507.408
Elevation	0.0	0.000	338.803

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	66.00	355.0°	-52.1°	No	Mag:55487; Data from Frank Ploeger

Description

Relogged By Gilles Kamta August 12-2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	48.75	OVB **Overburden** Casing/ Overburden					
48.75	59.80	V4; Per; Cry; Vug **Trachyte 40°; PERLITIC; CRYSTALRICH; Vuggy** The unit is red color with irregular fine to medium grained matrix. The upper unit (48.75-50.25 m) is strongly silicified with perlitic cracks. Is intersect by 40 cm weak foliation layer/ glassy flow bedding oriented 50 DTCA. The lower unit is highly porous with irregular disseminated veggie (sprayed water drains immediately from it) and can be easily scratch with steel. The entire unit is quartz crystal rich up to 2% (translucent or Smokey grey crystals 0.1-0.3 cm in size). Alteration consists of localized solidification, moderate potassic alteration, chlorite in filled fractures. The entire unit is mineralized 0.5 to 2% euhedral or fine grained pyrite disseminate or stringers.	48.75	49.50	P122261	0.75	0.616
48.75	50.25	Si03; K02; Ank01 **Silica 3; Potassic 2; Ankerite 1** Strong pervasive silicification, moderate to strong potassic, localized moderate ankerite ankerite					
48.75	49.50	Py00.5 **Pyrite 0.5%** stringers or disseminated fine grained.					
49.34	49.74	Fln **Foliation 50°** weak to moderate foliation					
49.50	50.25	Py00.7 **Pyrite 0.7%**	49.50	50.25	P122262	0.75	0.605
50.25	59.80	K03; Cl02; He01 **Potassic 3; Chlorite 2; Hematite 1** Pervasive strong potassic alteration, chlorite as stringers, spotty hematite.	50.25	51.00	P122263	0.75	0.272
50.25	51.00	Py00.7 **Pyrite 0.7%** euhedral and fine grained pyrite in filled vuggy					
51.00	52.00	Py00.7 **Pyrite 0.7%** Euhedral and fine grained pyrite in filled vuggie	51.00	52.00	P122264	1.00	0.285
52.00	53.00	Py00.7 **Pyrite 0.7%** euhedral and fine grained pyrite in filled vuggie	52.00	53.00	P122265	1.00	0.551
53.00	54.00	Py02 **Pyrite 2%** Euhedral and fine grained pyrite disseminated	53.00	54.00	P122266	1.00	1.07

Description			Assay				
			From	To	Sample number	Length	AuBest
54.00	55.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated	54.00	55.00	P122267	1.00	0.7
55.00	56.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated	55.00	56.00	P122268	1.00	0.236
56.00	57.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated	56.00	57.00	P122269	1.00	0.204
57.00	58.00	Py00.7 **Pyrite 0.7%** Euhedral and fine grained pyrite disseminated	57.00	58.00	P122270	1.00	0.123
58.00	59.00	Py01 **Pyrite 1%** Euhedral and fine grained pyrite infilled fractures	58.00	59.00	P122271	1.00	0.57
59.00	59.80	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated	59.00	59.80	P122272	0.80	0.184
59.80	61.40	V4; FAZ; Tuff; Fol **Trachyte 50°; Fault Zone; TUFF; Foliated** A fault zone defining a contact. The zone is in strake contrast between the upper and lower unit (upper is orange red while lower is a turquoise-beige color). The fault is 99% ser-chl-ank (S-S-S) clay which can be deformed with a finger nail and whose structure appears to be roughly oriented at 50dtca. The clay reacts strongly to KFC and is non-magnetic. Sulphides are not immediately visible. The coloration is similar to an albitite.					
59.80	62.00	Cl02; Se02; K01; Ox01 **Chlorite 2; Sericite 2; Potassic 1; Oxidation 1** moderate pervasive chlorite-sericite, potassic-oxidation as stringers	59.80	61.00	P122273	1.20	0.139
59.80	61.00	FAZ; Gg **Fault Zone 50°; Fault gouge** A fault zone defining a contact. the gouge is mixt of clay and trachytic fragments					
59.80	61.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite disseminated					
61.00	98.10	Fln **Foliation 5°** weak to moderate foliation 0-10 DTCA	61.00	62.00	P122274	1.00	0.031
61.00	62.00	Py00.2 **Pyrite 0.2%** traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
61.40	98.10	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Light green-beige colour, fine to medium grained foliated lapilli trachyte. It's strongly altered to ankerite, sericite and lighly green chlorite. The foliation/schistosity is oriented at 0-10 dtca. Pyrite is present in traces and can be better seen along joints showing the cross-cut foliation (they are sandwiched between the layers as <1mm grains). The lapilli are white coloured and strongly ankerite altered. There are also 1-4mm irregularly shaped but with secondary deformation (pressure shadows) alt'n bx, pyroclasts or agglom pieces disseminated within the matrix and roughly aligned with the foliaiton. localized magnetism 68-75 with magnetite crystals. At 82m: the clast elongated and dark green colour and are less ankerite altered but the matrix alt'n remains the same. Weak amounts of qtz exsolution are present. pyrite is present in traces					
62.00	80.00	Ank03; Cl02; Se02 **Ankerite 3; Chlorite 2; Sericite 2** strong pervasive ankerite. moderate pervasive chlorite and sericite	62.00	63.00	P122277	1.00	<0.005
62.00	63.00	Py00.1 **Pyrite 0.1%** traces					
63.00	64.00	Py00.1 **Pyrite 0.1%** traces	63.00	64.00	P122278	1.00	0.009
64.00	65.00	Py00.1 **Pyrite 0.1%** traces	64.00	65.00	P122279	1.00	0.007
65.00	66.00	Py00.1 **Pyrite 0.1%** traces	65.00	66.00	P122280	1.00	<0.005
66.00	67.00	Py00.1 **Pyrite 0.1%** traces	66.00	67.00	P122281	1.00	<0.005
67.00	68.00	Py00.1 **Pyrite 0.1%** traces	67.00	68.00	P122282	1.00	<0.005
68.00	69.00	Py00.1 **Pyrite 0.1%** traces	68.00	69.00	P122283	1.00	0.005
69.00	70.00	Py00.1 **Pyrite 0.1%** traces	69.00	70.00	P122284	1.00	0.012
70.00	71.00	Py00.1 **Pyrite 0.1%** traces	70.00	71.00	P122285	1.00	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
71.00	72.00	Py00.2 **Pyrite 0.2%** traces	71.00	72.00	P122286	1.00	<0.005
72.00	73.00	Py00.2 **Pyrite 0.2%** traces	72.00	73.00	P122287	1.00	<0.005
73.00	74.00	Py00.2 **Pyrite 0.2%** traces	73.00	74.00	P122288	1.00	<0.005
74.00	75.00	Py00.2 **Pyrite 0.2%** traces	74.00	75.00	P122289	1.00	<0.005
75.00	76.00	Py00.1 **Pyrite 0.1%** traces	75.00	76.00	P122290	1.00	<0.005
76.00	77.00	Py00.2 **Pyrite 0.2%** traces	76.00	77.00	P122291	1.00	<0.005
77.00	78.00	Py00.1 **Pyrite 0.1%** traces	77.00	78.00	P122292	1.00	0.009
78.00	79.00	Py00.1 **Pyrite 0.1%** traces	78.00	79.00	P122293	1.00	0.019
79.00	80.00	Py00.1 **Pyrite 0.1%** traces	79.00	80.00	P122294	1.00	0.015
80.00	98.10	Ank03; Cl02; Se02; Ox01 **Ankerite 3; Chlorite 2; Sericite 2; Oxidation 1** Strong pervasive ankerite, moderate to strong pervasive lighly green chlorite and sericite, oxidation in joints.	80.00	81.00	P122295	1.00	0.006
80.00	81.00	Py00.1 **Pyrite 0.1%** traces					
81.00	82.00	Py00.1 **Pyrite 0.1%** traces	81.00	82.00	P122296	1.00	0.006
82.00	83.00	Py00.1 **Pyrite 0.1%** traces	82.00	83.00	P122297	1.00	0.024

Description			Assay				
			From	To	Sample number	Length	AuBest
83.00	84.00	Py00.1 **Pyrite 0.1%** traces	83.00	84.00	P122298	1.00	0.006
84.00	85.00	Py00.1 **Pyrite 0.1%** traces	84.00	85.00	P122299	1.00	<0.005
85.00	86.00	Py00.1 **Pyrite 0.1%** traces	85.00	86.00	P122302	1.00	<0.005
86.00	87.00	Py00.1 **Pyrite 0.1%** traces	86.00	87.00	P122303	1.00	<0.005
87.00	88.00	Py00.1 **Pyrite 0.1%** traces	87.00	88.00	P122304	1.00	0.012
88.00	89.00	Py00.1 **Pyrite 0.1%** traces	88.00	89.00	P122305	1.00	<0.005
89.00	90.00	Py00.1 **Pyrite 0.1%** traces	89.00	90.00	P122306	1.00	<0.005
90.00	91.00	Py00.1 **Pyrite 0.1%** traces	90.00	91.00	P122307	1.00	<0.005
91.00	92.00	Py00.1 **Pyrite 0.1%** traces	91.00	92.00	P122308	1.00	<0.005
92.00	93.00	Py00.1 **Pyrite 0.1%** traces	92.00	93.00	P122309	1.00	<0.005
93.00	94.00	Py00.2 **Pyrite 0.2%** traces	93.00	94.00	P122310	1.00	<0.005
94.00	95.00	Py00.1 **Pyrite 0.1%** traces	94.00	95.00	P122311	1.00	0.005
95.00	96.00	Py00.1 **Pyrite 0.1%** traces	95.00	96.00	P122312	1.00	<0.005
96.00	97.00	Py00.1	96.00	97.00	P122313	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
97.00	98.00	Py00.1	97.00	98.10	P122314	1.10	<0.005
		Pyrite 0.1%					
		traces					
98.00	98.10	Py00.1					
		Pyrite 0.1%					
		traces					
98.10		**End of DDH**					
		Number of samples: 50					
		Number of QAQC samples: 4					
		Total sampled length: 49.35					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_36A

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	02/03/2014	Description date:	05/03/2014
		To:	04/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 146.70 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,057.351
North	0.0	0.000	5,331,507.408
Elevation	0.0	0.000	338.803

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	63.00	355.8°	-52.3°	No	mag: 56228
ReflexEZS	120.00	356.1°	-54.4°	No	Mag:-54.4; Data from Frank Ploeger

Description

Relogged by Gilles Kamta 30 july 2014; end 30 july 2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	48.00	OVB **Overburden** Casing/ Overburden					
48.00	58.90	V4; Vug **Trachyte; Vuggy** Fine- medium grained reddish or reddish grey trachyte. Highly porous rock (sprayed water drains immediately from it). the unit is weakly foliated 20-30 DTCA, the unit is non magnetic, strongly altered to potassic alteration weak ankerite localized chlorite, the upper unit is weakly silicifed. the unit is mineralized 0.5-1% fine euhedral Pyrite. A fault zone defining the lower contact. The zone is in contrast between the upper and lower unit (upper is orange red while lower is a turqoiuse-beige colour).					
48.00	59.00	K03; Ank01; Si01 **Potassic 3; Ankerite 1; Silica 1** strong pervasive potassic, moderate ankerite, weak spotty silica.	48.00	48.90	P122315	0.90	0.912
48.00	48.90	Py01 **Pyrite 1%** fine grained pyrite disseminated.					
48.90	50.00	Py01 **Pyrite 1%** fine grained pyrite disseminated	48.90	50.00	P122316	1.10	0.579
50.00	51.00	Py01 **Pyrite 1%** Fine grained pyrite disseminated	50.00	51.00	P122317	1.00	1.18
51.00	52.00	Py02 **Pyrite 2%** fine grained disseminate	51.00	52.00	P122318	1.00	0.593
52.00	53.00	Py01 **Pyrite 1%** fine grained disseminate	52.00	53.00	P122319	1.00	1.425
53.00	54.00	Py01 **Pyrite 1%** fine grained disseminate	53.00	54.00	P122320	1.00	0.518
54.00	55.00	Py01 **Pyrite 1%** fine grained disseminate	54.00	55.00	P122321	1.00	0.136
55.00	56.00	Py00.7 **Pyrite 0.7%** fine grained disseminate	55.00	56.00	P122322	1.00	0.498
56.00	57.00	Py00.7	56.00	57.00	P122323	1.00	0.385

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.7%					
		fine grained disseminate					
57.00	58.00	Py00.5	57.00	58.00	P122324	1.00	0.308
		Pyrite 0.5%					
		fine grained disseminate					
58.00	59.00	Py00.7	58.00	59.00	P122327	1.00	0.169
		Pyrite 0.7%					
		fine grained disseminate					
58.30	58.55	FLT; Gg					
		Fault 45°; Fault gouge					
		A fault zone defining a contact. The fault is mustly clay which . The clay reacts strongly to KFC and is non-magnetic. Sulphides are not immediately visible. The colouration is similar to an albitite.					
58.90	80.00	V4; Tuff; Lithic					
		Trachyte 45°; TUFF; LITHIC					
		The unit has a green-beige/ pinkish green colour trachyte lapilli tuff. The lapilli are cream coloured and strongly ankerite-sericite altere. There are also 1-4mm irregularly shaped lapilli, pyroclasts or agglomerated pieces diseminated within the matrix and roughly aligned with the foliation 0-20 DTCA					
		The unit is strongly ankerite-sericite altered matrix. The foliation/schistosity is oriented at 0-20 DTCA. Pyrite is present trace to 0.5%					
59.00	137.30	Se03; Ank03; Cl02; Ox	59.00	60.00	P122328	1.00	0.036
		Sericite 3; Ankerite 3; Chlorite 2; Oxidation					
		strong pervasive sericite- ankerite, pervasive moderate chlorite, ramdom oxidation in joints.					
59.00	60.00	Py00.2					
		Pyrite 0.2%					
		traces					
60.00	61.00	Py00.2	60.00	61.00	P122329	1.00	<0.005
		Pyrite 0.2%					
		traces					
61.00	62.00	Py00.1	61.00	62.00	P122330	1.00	<0.005
		Pyrite 0.1%					
		traces					
62.00	63.00	Py00.1	62.00	63.00	P122331	1.00	<0.005
		Pyrite 0.1%					
		traces					
63.00	64.00	Py00.1	63.00	64.00	P122332	1.00	<0.005
		Pyrite 0.1%					
		traces					
64.00	65.00	Py00.1	64.00	65.00	P122333	1.00	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
65.00	66.00	Py00.1 **Pyrite 0.1%** traces	65.00	66.00	P122334	1.00	0.006
66.00	67.00	Py00.1 **Pyrite 0.1%** traces	66.00	67.00	P122335	1.00	<0.005
67.00	68.00	Py00.1 **Pyrite 0.1%** traces	67.00	68.00	P122336	1.00	<0.005
68.00	69.00	Py00.1 **Pyrite 0.1%** traces	68.00	69.00	P122337	1.00	<0.005
69.00	70.00	Py00.1 **Pyrite 0.1%** traces	69.00	70.00	P122338	1.00	<0.005
70.00	71.00	Py00.1 **Pyrite 0.1%** traces	70.00	71.00	P122339	1.00	<0.005
71.00	72.00	Py00.1 **Pyrite 0.1%** traces	71.00	72.00	P122340	1.00	<0.005
72.00	73.00	Py00.1 **Pyrite 0.1%** traces	72.00	73.00	P122341	1.00	0.01
73.00	74.00	Py00.5 **Pyrite 0.5%** traces	73.00	74.00	P122342	1.00	0.035
74.00	75.00	Py00.1 **Pyrite 0.1%** traces	74.00	75.00	P122343	1.00	0.008
75.00	76.00	Py00.1 **Pyrite 0.1%** traces	75.00	76.00	P122344	1.00	<0.005
76.00	77.00	Py00.1 **Pyrite 0.1%** traces	76.00	77.00	P122345	1.00	<0.005
77.00	78.00	Py00.1 **Pyrite 0.1%** traces	77.00	78.00	P122346	1.00	0.006
77.50	78.00	Vn;;Qak;Fl;;;					

Description				Assay				
				From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) quartz-ankerite flooding						
		flooding quartz ankerite veins						
78.00	79.00	Py00.5		78.00	79.00	P122347	1.00	0.013
		Pyrite 0.5%						
		pyrite parallel foliation						
79.00	80.00	Py00.1		79.00	80.00	P122348	1.00	0.006
		Pyrite 0.1%						
		traces						
80.00	146.70	V4; Tuff; Fol		80.00	81.00	P122349	1.00	<0.005
		Trachyte 45°; TUFF; Foliated						
		A foliated fine grained green spotted trachyte tuff . The unit has a green-beige colour. The green spots are elongated 0.5-2 cm and parallel to the moderate foliation 0-20 DTCA. The lapilli are cream coloured and strongly altered to ankerite there are also 1-4mm irregularly shaped but with secondary deformation (pressur shadows) The unit is locally magnetic and strongly altered to sericite-ankerite. The foliation/schistosity is oriented at 0-20DTCA. Pyrite is present in traces to 1% and can be better seen along joints showing the cross-cut foliation (they are sandwiched between the layers as <1mm grains).						
		From 137.50-146.7 the unit is more massive with lamination and altered to mineralized 0.7-1% pyrite						
80.00	81.00	Py00.2						
		Pyrite 0.2%						
		traces						
81.00	82.00	Py00.5		81.00	82.00	P122352	1.00	<0.005
		Pyrite 0.5%						
		stringers py agglomerated						
82.00	83.00	Py00.1		82.00	83.00	P122353	1.00	<0.005
		Pyrite 0.1%						
		traces						
83.00	84.00	Py00.5		83.00	84.00	P122354	1.00	0.008
		Pyrite 0.5%						
		traces						
84.00	85.00	Py00.1		84.00	85.00	P122355	1.00	<0.005
		Pyrite 0.1%						
		traces						
85.00	86.00	Py00.1		85.00	86.00	P122356	1.00	0.007
		Pyrite 0.1%						
		traces						
86.00	87.00	Py00.2		86.00	87.00	P122357	1.00	<0.005
		Pyrite 0.2%						
		traces						
87.00	88.00	Py00.5		87.00	88.00	P122358	1.00	<0.005
		Pyrite 0.5%						

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained py agglomerated					
88.00	89.00	Py00.1	88.00	89.00	P122359	1.00	<0.005
		Pyrite 0.1%					
		traces					
89.00	90.00	Py00.2	89.00	90.00	P122360	1.00	<0.005
		Pyrite 0.2%					
		traces					
90.00	91.00	Py00.1	90.00	91.00	P122361	1.00	<0.005
		Pyrite 0.1%					
		traces					
91.00	92.00	Py00.1	91.00	92.00	P122362	1.00	<0.005
		Pyrite 0.1%					
		traces					
92.00	93.00	Py00.1	92.00	93.00	P122363	1.00	<0.005
		Pyrite 0.1%					
		traces					
93.00	94.00	Py00.1	93.00	94.00	P122364	1.00	<0.005
		Pyrite 0.1%					
		traces					
94.00	95.00	Py00.2	94.00	95.00	P122365	1.00	<0.005
		Pyrite 0.2%					
		traces					
95.00	96.00	Py00.2	95.00	96.00	P122366	1.00	<0.005
		Pyrite 0.2%					
		traces					
96.00	97.00	Py00.2	96.00	97.00	P122367	1.00	<0.005
		Pyrite 0.2%					
		traces					
97.00	98.00	Py00.2	97.00	98.00	P122368	1.00	<0.005
		Pyrite 0.2%					
		traces					
98.00	99.00	Py00.2	98.00	99.00	P122369	1.00	<0.005
		Pyrite 0.2%					
		traces					
99.00	100.00	Py00.2					
		Pyrite 0.2%					
		traces					
99.00	112.00	Vn;3%;Qak;In;2°;Py00.2;	99.00	100.00	P122370	1.00	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 2° Pyrite 0.2%					
		0.5-1 cm quartz veins					

Description			Assay				
			From	To	Sample number	Length	AuBest
100.00	101.00	Py00.2 **Pyrite 0.2%** traces	100.00	101.00	P122371	1.00	<0.005
101.00	102.00	Py00.2 **Pyrite 0.2%** traces	101.00	102.00	P122372	1.00	<0.005
102.00	103.00	Py00.2 **Pyrite 0.2%** tracesa	102.00	103.00	P122373	1.00	<0.005
103.00	104.00	Py00.2 **Pyrite 0.2%** traces	103.00	104.00	P122374	1.00	<0.005
104.00	105.00	Py00.2 **Pyrite 0.2%** traces	104.00	105.00	P122377	1.00	0.026
105.00	106.00	Py00.2 **Pyrite 0.2%** traces	105.00	106.00	P122378	1.00	0.007
106.00	107.00	Py00.2 **Pyrite 0.2%** traces	106.00	107.00	P122379	1.00	<0.005
107.00	108.00	Py00.2 **Pyrite 0.2%** traces	107.00	108.00	P122380	1.00	<0.005
108.00	109.00	Py00.2 **Pyrite 0.2%** traces	108.00	109.00	P122381	1.00	<0.005
109.00	110.00	Py00.2 **Pyrite 0.2%** traces	109.00	110.00	P122382	1.00	0.013
110.00	111.00	Py00.2 **Pyrite 0.2%** traces	110.00	111.00	P122383	1.00	0.006
111.00	112.00	Py00.2 **Pyrite 0.2%** traces	111.00	112.00	P122384	1.00	<0.005
112.00	113.00	Py00.2 **Pyrite 0.2%** traces	112.00	113.00	P122385	1.00	<0.005
113.00	114.00	Py00.2	113.00	114.00	P122386	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces					
114.00	115.00	Py00.2	114.00	115.00	P122387	1.00	<0.005
		Pyrite 0.2%					
		traces					
115.00	116.00	Py00.2	115.00	116.00	P122388	1.00	<0.005
		Pyrite 0.2%					
		traces					
116.00	117.00	Py00.1	116.00	117.00	P122389	1.00	<0.005
		Pyrite 0.1%					
		traces					
117.00	118.00	Py00.1					
		Pyrite 0.1%					
		traces					
117.00	129.00	Vn;5%;Qak;In;5°;;	117.00	118.00	P122390	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 5°					
		infilled quartz-ankerite 0-20 DTCA,					
118.00	119.00	Py00.1	118.00	119.00	P122391	1.00	<0.005
		Pyrite 0.1%					
		traces					
119.00	120.00	Py00.1	119.00	120.00	P122392	1.00	<0.005
		Pyrite 0.1%					
		traces					
120.00	121.00	Py00.1	120.00	121.00	P122393	1.00	<0.005
		Pyrite 0.1%					
		traces					
121.00	122.00	Py00.1	121.00	122.00	P122394	1.00	<0.005
		Pyrite 0.1%					
		traces					
122.00	123.00	Py00.1	122.00	123.00	P122395	1.00	<0.005
		Pyrite 0.1%					
		traces					
123.00	124.00	Py00.1	123.00	124.00	P122396	1.00	<0.005
		Pyrite 0.1%					
		traces					
124.00	125.00	Py00.1	124.00	125.00	P122397	1.00	<0.005
		Pyrite 0.1%					
		traces					
125.00	126.00	Py00.1	125.00	126.00	P122398	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
126.00	127.00	Py00.1	126.00	127.00	P122399	1.00	<0.005
		Pyrite 0.1%					
		traces					
127.00	128.00	Py00.1	127.00	128.00	P122402	1.00	<0.005
		Pyrite 0.1%					
		traces					
128.00	129.00	Py00.1	128.00	129.00	P122403	1.00	0.008
		Pyrite 0.1%					
		traces					
129.00	130.00	Py00.1	129.00	130.00	P122404	1.00	<0.005
		Pyrite 0.1%					
		traces					
130.00	131.00	Py00.1	130.00	131.00	P122405	1.00	<0.005
		Pyrite 0.1%					
		traces					
131.00	132.00	Py00.1	131.00	132.00	P122406	1.00	0.005
		Pyrite 0.1%					
		traces					
132.00	133.00	Py00.5	132.00	133.00	P122407	1.00	0.024
		Pyrite 0.5%					
		euhedral pyrite in veins					
133.00	134.00	Py00.2	133.00	134.00	P122408	1.00	0.01
		Pyrite 0.2%					
		traces					
134.00	135.00	Py00.2	134.00	135.00	P122409	1.00	<0.005
		Pyrite 0.2%					
		traces					
135.00	136.00	Py00.2	135.00	136.00	P122410	1.00	0.014
		Pyrite 0.2%					
		traces					
136.00	137.00	Py00.2	136.00	137.00	P122411	1.00	0.01
		Pyrite 0.2%					
		traces					
137.00	138.00	Py00.5	137.00	138.00	P122412	1.00	0.015
		Pyrite 0.5%					
		euhedral pyrite					
137.30	143.20	Se03; Ank03; Cl01					
		Sericite 3; Ankerite 3; Chlorite 1					
		Strong pervasive sericite-ankerite, weak chlorite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
138.00	139.00	Py01					
		Pyrite 1%					
		mottled and disseminated fine grained pyrite					
138.00	139.20	Vm;30%;Qak;In;30°;;	138.00	139.00	P122413	1.00	0.277
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 30°					
		Flooding and infilled(40 cm)quartz ankerite veins					
139.00	140.00	Py01	139.00	140.00	P122414	1.00	1.43
		Pyrite 1%					
		fine grained pyrite disseminates					
140.00	141.00	Py01	140.00	141.00	P122415	1.00	1.185
		Pyrite 1%					
		fine grained pyrite disseminated					
141.00	142.00	Py00.7	141.00	142.00	P122416	1.00	0.571
		Pyrite 0.7%					
		fine graine pyrite disseminated					
142.00	143.00	Py00.7; Py	142.00	143.00	P122417	1.00	0.731
		Pyrite 0.7%; Pyrite					
		fine grained pyrite disseminated					
142.40	142.80	Vm;90%;Qak;In;80°;Py00.2;					
		major vein (10 cm or greater) 90% infilled fractures 80°					
		infilled quartz ankerite veins cm 20-30 cm with traces of pyrite and sericite.					
143.00	144.00	Py00.7	143.00	144.00	P122418	1.00	0.245
		Pyrite 0.7%					
		fine grained pyrite disseminated					
143.20	146.70	Ank03; Se02; Cl02					
		Ankerite 3; Sericite 2; Chlorite 2					
		Strong pervasive ankerite, moderate sericite chlorite					
144.00	145.00	Py00.5	144.00	145.00	P122419	1.00	1.255
		Pyrite 0.5%					
		mottled and fine grained pyrite disseminated					
144.20	144.50	Vm;98%;Qak;In;40°;;					
		major vein (10 cm or greater) 98% quartz-ankerite infilled fractures 40°					
145.00	146.00	Py01					
		Pyrite 1%					
		fine grained pyrite disseminated					
145.00	146.70	Vn;5%;Qak;In;;Py20;	145.00	146.00	P122420	1.00	2.13
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures Pyrite 20%					
		nfilled fractures, quartz-ankerite veins 20-30 DTCA					
146.00	146.70	Py01	146.00	146.70	P122421	0.70	0.771
		Pyrite 1%					

Description	Assay				
	From	To	Sample number	Length	AuBest
fine grained and mottled pyrite disseminated					
146.70 **End of DDH** **Number of samples: 99** **Number of QAQC samples: 8** **Total sampled length: 98.70**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_36B

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	A Richardson	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	04/03/2014	Description date:	15/03/2014
		To:	15/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 429.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,057.351
North	0.0	0.000	5,331,483.408
Elevation	0.0	0.000	338.803

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	63.00	356.5°	-54.6°	No	Mag = 55658
ReflexEZS	123.00	355.7°	-59.7°	No	Mag = 54907
ReflexEZS	183.00	352.7°	-58.3°	No	Mag = 55108
ReflexEZS	243.00	350.0°	-57.4°	No	Mag = 55099
ReflexEZS	303.00	351.4°	-56.2°	No	Mag = 55341
ReflexEZS	363.00	350.1°	-55.2°	No	Mag = 55132
ReflexEZS	423.00	348.3°	-54.0°	No	Mag = 54912

Description

Relogged by Gilles Kamta start August 12-2014 end August 13-2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	45.65	OVB **Overburden** casing/overburden					
45.65	114.55	V4MTL; Tuff; Fol **Trachyte mafic tuff lapilli; TUFF; Foliated** Light greenish yellow / beige, fine grained trachytic mafic tuff. The unit contains some elongated dark green and whitish (0.2-3 cm) clasts generally parallel to core angle, some withish spots probably product of felspar alteration (carbonatization). Pervasive moderate ankeritized and sericitized. The moderate foliation is almost parallel to the core angle or 30 DTC. Weak to moderate deformation zone is observe between 66-69 m and is underline by weak laminations strongly altered to sericite and some deformed quartz ankerite veins. The upper unit is more massive form by a mix of trachyte flow and tuff (45.65-48 m) magnetite crystals (45.65-46.30 m; 66-67 m and moderate pervasive magnetite is observe. It's mineralized traces to 1-2% very fine grained to medium grained pyrite.	45.65	46.30	Q282091	0.65	<0.005
45.65	67.93	Ank03; Se02; Cl02 **Ankerite 3; Sericite 2; Chlorite 2** Light green, soft, pervasive sericite with local ankerite mostly within veins and fractures					
45.65	46.30	Py00.2; Mg00.2 **Pyrite 0.2%; Magnetite 0.2%** traces of pyrte and magnetite					
46.30	47.00	Py00.3 **Pyrite 0.3%** traces	46.30	47.00	Q282092	0.70	<0.005
47.00	48.00	Py00.1; Mg00.2 **Pyrite 0.1%; Magnetite 0.2%** traces of pyrite and euhedral magnetite	47.00	48.00	Q282093	1.00	<0.005
48.00	105.00	Fln; Shrh **Foliation 2°; Shear healed** weak to moderate foliation 0-5 DTCA	48.00	49.00	Q282094	1.00	0.019
48.00	49.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite					
49.00	50.00	Py00.5 **Pyrite 0.5%** very fine grained	49.00	50.00	Q282095	1.00	0.018
50.00	51.00	Py02 **Pyrite 2%** very fine grained	50.00	51.00	Q282096	1.00	0.014
51.00	52.00	Py00.5 **Pyrite 0.5%**	51.00	52.00	Q282097	1.00	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		vf gr					
52.00	53.00	Py00.1	52.00	53.00	Q282098	1.00	0.013
		Pyrite 0.1%					
		vf gr					
53.00	54.00	Py00.1	53.00	54.00	Q282099	1.00	0.022
		Pyrite 0.1%					
		vf gr					
54.00	55.00	Py01	54.00	55.00	Q282102	1.00	0.02
		Pyrite 1%					
		vf gr					
55.00	56.00	Py01	55.00	56.00	Q282103	1.00	0.022
		Pyrite 1%					
		vf gr					
56.00	57.00	Py00.5	56.00	57.00	Q282104	1.00	0.005
		Pyrite 0.5%					
		vf gr					
57.00	58.00	Py00.1	57.00	58.00	Q282105	1.00	0.014
		Pyrite 0.1%					
		vf gr					
58.00	59.00	Py00.01	58.00	59.00	Q282106	1.00	0.008
		Pyrite 0.01%					
		vf gr					
59.00	60.00	Py01					
		Pyrite 1%					
		vf gr					
59.00	60.00	Vn;3%;Sgq Qak;In;60°;Py00.1;	59.00	60.00	Q282107	1.00	0.01
		vein (5 mm - 10 cm) 3% smoky grey quartz quartz-ankerite infilled fractures 60° Pyrite					
		0.1%					
		infilled smoky grey quartz-ankerite veins with traces of pyrite					
60.00	61.00	Py03	60.00	61.00	Q282108	1.00	0.01
		Pyrite 3%					
		fgr					
61.00	62.00	Py02	61.00	62.00	Q282109	1.00	0.009
		Pyrite 2%					
		f gr					
62.00	63.00	Py00.5	62.00	63.00	Q282110	1.00	0.011
		Pyrite 0.5%					
		fgr					
63.00	64.00	Py00.1	63.00	64.00	Q282111	1.00	0.008
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		vf gr					
64.00	65.00	Py00.1	64.00	65.00	Q282112	1.00	0.013
		Pyrite 0.1%					
		vf gr					
65.00	66.00	Py00.01	65.00	66.00	Q282113	1.00	0.013
		Pyrite 0.01%					
		vf gr					
66.00	67.00	Py00.01	66.00	67.00	Q282114	1.00	0.014
		Pyrite 0.01%					
		very fine grained					
67.00	67.93	Py00.01	67.00	67.93	Q282115	0.93	0.128
		Pyrite 0.01%					
		vfgr					
67.93	79.50	Ank03; Cl03; Se01	67.93	69.00	Q282116	1.07	0.169
		Ankerite 3; Chlorite 3; Sericite 1					
		Pervasive weak ankerite with pervasive weak to moderate chlorite.					
67.93	69.00	Py00.7					
		Pyrite 0.7%					
		euhedral and fine grained pyrite disseminated					
69.00	70.00	Py00.01					
		Pyrite 0.01%					
		vf gr					
69.00	70.00	Vm;12%;Qca;In;60°;;	69.00	70.00	Q282117	1.00	0.067
		major vein (10 cm or greater) 12% quartz-calcite infilled fractures 60°					
		12 cm quartz calcite veins					
70.00	71.00	Py01	70.00	71.00	Q282118	1.00	0.308
		Pyrite 1%					
		fgr					
71.00	83.00	Py00.01	71.00	72.00	Q282119	1.00	0.26
		Pyrite 0.01%					
		vf gr					
72.00	83.00	Vn;5%;Qak;In;3°;;	72.00	73.00	Q282120	1.00	0.014
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 3°	73.00	74.00	Q282121	1.00	<0.005
		infilled quartz-ankerite veins 0-5 DTCA	74.00	75.00	Q282122	1.00	<0.005
			75.00	76.00	Q282123	1.00	<0.005
			76.00	77.00	Q282124	1.00	<0.005
			77.00	78.00	Q282127	1.00	<0.005
			78.00	79.00	Q282128	1.00	<0.005
			79.00	80.00	Q282129	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
79.50	88.00	Ank03; Cl02; Ank02; Si02; Ox01	80.00	81.00	Q282130	1.00	<0.005
		Ankerite 3; Chlorite 2; Ankerite 2; Silica 2; Oxidation 1	81.00	82.00	Q282131	1.00	<0.005
		pervasive strong ankerite, moderate pervasive chlorite and sericite, silica injections as quartz veins,	82.00	83.00	Q282132	1.00	0.027
		oxidation in joints or fractures					
83.00	84.00	Py00.5					
		Pyrite 0.5%					
		vfgr					
83.00	84.00	Vm;70%;Qak;In;70°;Pyo.2;	83.00	84.00	Q282133	1.00	0.172
		major vein (10 cm or greater) 70% quartz-ankerite infilled fractures 70° Pyrite o.2					
		infilled quartz-ankerite veins with pyrite as stringers (70 cm)					
84.00	86.00	Py00.5	84.00	85.00	Q282134	1.00	0.033
		Pyrite 0.5%	85.00	86.00	Q282135	1.00	0.667
		euhedral pyrite disseminated					
86.00	87.00	Py02					
		Pyrite 2%					
		fgr along veins and fractures					
86.00	88.00	Vm;30%;Qak;In;60°;Py00.2;	86.00	87.00	Q282136	1.00	0.959
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 60° Pyrite 0.2%					
		infilled quartz-ankerite with traces of pyrite					
87.00	88.00	Py00.5	87.00	88.00	Q282137	1.00	2.03
		Pyrite 0.5%					
		Fine grained and euhedral pyrite disseminated					
88.00	113.00	Ank03; Cl02; Se01; K01	88.00	89.00	Q282138	1.00	0.005
		Ankerite 3; Chlorite 2; Sericite 1; Potassic 1					
		moderate to strong pervasive ankerite, moderate pervasive chlorite, spotty weak potassic alteration					
88.00	89.00	Py00.2					
		Pyrite 0.2%					
		traces					
89.00	90.00	Py00.2	89.00	90.00	Q282139	1.00	<0.005
		Pyrite 0.2%					
		traces					
90.00	91.00	Py00.2	90.00	91.00	Q282140	1.00	<0.005
		Pyrite 0.2%					
		traces					
91.00	92.00	Py00.2	91.00	92.00	Q282141	1.00	<0.005
		Pyrite 0.2%					
		traces					
92.00	93.00	Py00.2	92.00	93.00	Q282142	1.00	<0.005
		Pyrite 0.2%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
93.00	94.00	Py00.2 **Pyrite 0.2%** traces					
93.00	119.00	Vn;3%;Qak;In;5°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 5°** infilled quartz-ankerite veins 0-10 DTCA	93.00	94.00	Q282143	1.00	<0.005
94.00	95.00	Py00.2 **Pyrite 0.2%** traces	94.00	95.00	Q282144	1.00	<0.005
95.00	96.00	Py00.1 **Pyrite 0.1%** traces	95.00	96.00	Q282145	1.00	<0.005
96.00	97.00	Py00.1 **Pyrite 0.1%** traces	96.00	97.00	Q282146	1.00	<0.005
97.00	98.00	Py00.1 **Pyrite 0.1%** traces	97.00	98.00	Q282147	1.00	<0.005
98.00	99.00	Py00.1 **Pyrite 0.1%** traces	98.00	99.00	Q282148	1.00	<0.005
99.00	100.00	Py00.1 **Pyrite 0.1%** traces	99.00	100.00	Q282149	1.00	0.007
100.00	101.00	Py00.1 **Pyrite 0.1%** traces	100.00	101.00	Q282152	1.00	<0.005
101.00	102.00	Py00.1 **Pyrite 0.1%** traces	101.00	102.00	Q282153	1.00	<0.005
102.00	103.00	Py00.1 **Pyrite 0.1%** traces	102.00	103.00	Q282154	1.00	<0.005
103.00	104.00	Py00.1 **Pyrite 0.1%** traces	103.00	104.00	Q282155	1.00	<0.005
104.00	105.00	Py00.1 **Pyrite 0.1%** traces	104.00	105.00	Q282156	1.00	<0.005
105.00	248.00	Fln	105.00	106.00	Q282157	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Foliation 20°					
		pervasive weak to moderate foliation, 0-30 DTCA					
105.00	106.00	Py00.1					
		Pyrite 0.1%					
		traces					
106.00	107.00	Py00.1	106.00	107.00	Q282158	1.00	<0.005
		Pyrite 0.1%					
		traces					
107.00	108.00	Py00.1	107.00	108.00	Q282159	1.00	<0.005
		Pyrite 0.1%					
		traces					
108.00	109.00	Py00.1	108.00	109.00	Q282160	1.00	<0.005
		Pyrite 0.1%					
		traces					
109.00	110.00	Py00.1	109.00	110.00	Q282161	1.00	<0.005
		Pyrite 0.1%					
		traces					
110.00	111.00	Py00.1	110.00	111.00	Q282162	1.00	<0.005
		Pyrite 0.1%					
		traces					
111.00	112.00	Py00.1	111.00	112.00	Q282163	1.00	<0.005
		Pyrite 0.1%					
		traces					
112.00	113.00	Py00.1	112.00	113.00	Q282164	1.00	<0.005
		Pyrite 0.1%					
		traces					
113.00	135.00	Cl03; Ca02; Ank01	113.00	114.00	Q282165	1.00	<0.005
		Chlorite 3; Calcite 2; Ankerite 1					
		strong pervasive chlorite, weak to moderate calcite, traces of ankerite					
113.00	114.00	Py00.1					
		Pyrite 0.1%					
		traces					
114.00	115.00	Py00.1	114.00	115.00	Q282166	1.00	0.005
		Pyrite 0.1%					
		traces					
114.55	429.00	V4M; Tuff; Pyro					
		Trachyte mafic; TUFF; PYROCLASTIC					
		Greenish grey fine grained trachyte mafic trachyte tuff, alterning pyroclastic layer with sub euhedral and rounded fragments (size 0.3-5 cm) and pumice, weakly deformed layers with crenulations (389-390 m; 396-399 m). The entire unit is weakly to moderately foliated 0-30 DTCA, The contact with the upper unit is					

Description			Assay				
			From	To	Sample number	Length	AuBest
		gradational and underline by calcite alteration and weak sericite. The unit is inersect by flooding and in filled quartz ankerite or calcite veins. Alteration consists of strong ervasive chlorite, moderate to strong calcite, weak sericite. The unit is moderately to strongly magnetic. It's mineralized traces to 0.5% fine grained or stringers pyrite.					
115.00	116.00	Py00.1 **Pyrite 0.1%** traces	115.00	116.00	Q282167	1.00	<0.005
116.00	117.00	Py00.1 **Pyrite 0.1%** traces	116.00	117.00	Q282168	1.00	<0.005
117.00	118.00	Py00.1 **Pyrite 0.1%** traces	117.00	118.00	Q282169	1.00	<0.005
118.00	119.00	Py00.1 **Pyrite 0.1%** traces	118.00	119.00	Q282170	1.00	<0.005
119.00	120.00	Py00.1 **Pyrite 0.1%** traces	119.00	120.00	Q282171	1.00	0.006
120.00	121.00	Py00.1 **Pyrite 0.1%** traces	120.00	121.00	Q282172	1.00	<0.005
121.00	122.00	Py00.1 **Pyrite 0.1%** traces	121.00	122.00	Q282173	1.00	<0.005
122.00	123.00	Py00.1 **Pyrite 0.1%** traces	122.00	123.00	Q282174	1.00	<0.005
123.00	124.00	Py00.1 **Pyrite 0.1%** traces	123.00	124.00	Q282177	1.00	<0.005
124.00	125.00	Py00.1 **Pyrite 0.1%** traces	124.00	125.00	Q282178	1.00	<0.005
125.00	126.00	Py00.1 **Pyrite 0.1%** traces	125.00	126.00	Q282179	1.00	<0.005
126.00	127.00	Py00.1 **Pyrite 0.1%** traces	126.00	127.00	Q282180	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
127.00	128.00	Py00.1 **Pyrite 0.1%** traces	127.00	128.00	Q282181	1.00	0.005
128.00	129.00	Py00.1 **Pyrite 0.1%** traces	128.00	129.00	Q282182	1.00	<0.005
129.00	130.00	Py00.1 **Pyrite 0.1%** traces	129.00	130.00	Q282183	1.00	<0.005
130.00	131.00	Py00.1 **Pyrite 0.1%** traces	130.00	131.00	Q282184	1.00	<0.005
131.00	132.00	Py00.1 **Pyrite 0.1%** traces	131.00	132.00	Q282185	1.00	<0.005
132.00	133.00	Py00.1 **Pyrite 0.1%** traces	132.00	133.00	Q282186	1.00	<0.005
133.00	134.00	Py00.1 **Pyrite 0.1%** traces	133.00	134.00	Q282187	1.00	<0.005
134.00	135.00	Py00.1 **Pyrite 0.1%** traces	134.00	135.00	Q282188	1.00	<0.005
135.00	150.00	Ca03; Cl03 **Calcite 3; Chlorite 3** Strong pervasive calcite alteration or calcite veins, strong pervasive chlorite	135.00	136.00	Q282189	1.00	<0.005
135.00	136.00	Py00.1 **Pyrite 0.1%** traces					
136.00	137.00	Py00.1 **Pyrite 0.1%** traces	136.00	137.00	Q282190	1.00	<0.005
136.00	136.50	Vm;50%;Sgq Qak;In;80°;; **major vein (10 cm or greater) 50% smoky grey quartz quartz-ankerite infilled fractures** **80°** smoky grey quartz-ankerite veins 25 cm with fragments of mafic trachyte					
137.00	138.00	Py00.1 **Pyrite 0.1%** traces	137.00	138.00	Q282191	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
138.00	139.00	Py00.1 **Pyrite 0.1%** traces					
138.00	148.00	Vn;5%;Qak Ca;In;60°;; **vein (5 mm - 10 cm) 5% quartz-ankerite calcite infilled fractures 60°** infilled quartz-ankerite or calcite veins	138.00	139.00	Q282192	1.00	0.025
139.00	140.00	Py00.1 **Pyrite 0.1%** traces	139.00	140.00	Q282193	1.00	0.017
140.00	141.00	Py00.1 **Pyrite 0.1%** traces	140.00	141.00	Q282194	1.00	0.011
141.00	142.00	Py00.1 **Pyrite 0.1%** traces	141.00	142.00	Q282195	1.00	<0.005
142.00	143.00	Py00.1 **Pyrite 0.1%** traces	142.00	143.00	Q282196	1.00	<0.005
143.00	144.00	Py00.1 **Pyrite 0.1%** traces	143.00	144.00	Q282197	1.00	<0.005
144.00	145.00	Py00.1 **Pyrite 0.1%** traces	144.00	145.00	Q282198	1.00	<0.005
145.00	146.00	Py00.1 **Pyrite 0.1%** traces	145.00	146.00	Q282199	1.00	<0.005
146.00	147.00	Py00.1 **Pyrite 0.1%** traces	146.00	147.00	Q282202	1.00	<0.005
147.00	148.00	Py00.1 **Pyrite 0.1%** traces	147.00	148.00	Q282203	1.00	<0.005
148.00	149.00	Py00.1 **Pyrite 0.1%** traces	148.00	149.00	Q282204	1.00	<0.005
149.00	150.00	Py00.1 **Pyrite 0.1%** traces	149.00	150.00	Q282205	1.00	<0.005
150.00	302.00	Ca02; Cl03	150.00	151.00	Q282206	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Calcite 2; Chlorite 3					
		strong pervasive chlorite, moderate spotty / strong pervasive calcite (calcite veins and veinlets)					
150.00	151.00	Py00.1					
		Pyrite 0.1%					
		traces					
151.00	152.00	Py00.1	151.00	152.00	Q282207	1.00	<0.005
		Pyrite 0.1%					
		traces					
152.00	153.00	Py00.1	152.00	153.00	Q282208	1.00	<0.005
		Pyrite 0.1%					
		traces					
153.00	154.00	Py00.1	153.00	154.00	Q282209	1.00	<0.005
		Pyrite 0.1%					
		traces					
154.00	155.00	Py00.1	154.00	155.00	Q282210	1.00	<0.005
		Pyrite 0.1%					
		traces					
155.00	156.00	Py00.1	155.00	156.00	Q282211	1.00	<0.005
		Pyrite 0.1%					
		traces					
156.00	157.00	Py00.1	156.00	157.00	Q282212	1.00	<0.005
		Pyrite 0.1%					
		traces					
157.00	158.00	Py00.1	157.00	158.00	Q282213	1.00	<0.005
		Pyrite 0.1%					
		traces					
158.00	159.00	Py00.1	158.00	159.00	Q282214	1.00	<0.005
		Pyrite 0.1%					
		traces					
159.00	160.00	Py00.1	159.00	160.00	Q282215	1.00	<0.005
		Pyrite 0.1%					
		traces					
160.00	161.00	Py00.1	160.00	161.00	Q282216	1.00	<0.005
		Pyrite 0.1%					
		traces					
161.00	162.00	Py00.1	161.00	162.00	Q282217	1.00	<0.005
		Pyrite 0.1%					
		traces					
162.00	163.00	Py00.1	162.00	163.00	Q282218	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
163.00	164.00	Py00.1	163.00	164.00	Q282219	1.00	<0.005
		Pyrite 0.1%					
		traces					
164.00	165.00	Py00.1	164.00	165.00	Q282220	1.00	<0.005
		Pyrite 0.1%					
		traces					
165.00	166.00	Py00.1	165.00	166.00	Q282221	1.00	<0.005
		Pyrite 0.1%					
		traces					
166.00	167.00	Py00.1	166.00	167.00	Q282222	1.00	<0.005
		Pyrite 0.1%					
		traces					
167.00	168.00	Py01	167.00	168.00	Q282223	1.00	<0.005
		Pyrite 1%					
		traces					
168.00	169.00	Py00.1	168.00	169.00	Q282224	1.00	0.006
		Pyrite 0.1%					
		traces					
169.00	170.00	Py00.1	169.00	170.00	Q282227	1.00	<0.005
		Pyrite 0.1%					
		traces					
170.00	171.00	Py00.1	170.00	171.00	Q282228	1.00	0.011
		Pyrite 0.1%					
		traces					
170.80	171.50	Vm;30%;Qca;In;40°;;					
		major vein (10 cm or greater) 30% quartz-calcite infilled fractures 40°					
		10- 30 cm infilled quartz-calcite veins					
171.00	172.00	Py00.1	171.00	172.00	Q282229	1.00	<0.005
		Pyrite 0.1%					
		traces					
172.00	173.00	Py00.1	172.00	173.00	Q282230	1.00	<0.005
		Pyrite 0.1%					
		traces					
173.00	174.00	Py00.1	173.00	174.00	Q282231	1.00	<0.005
		Pyrite 0.1%					
		traces					
174.00	175.00	Py00.1	174.00	175.00	Q282232	1.00	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
175.00	176.00	Py00.1 **Pyrite 0.1%** traces	175.00	176.00	Q282233	1.00	<0.005
176.00	177.00	Py00.1 **Pyrite 0.1%** traces	176.00	177.00	Q282234	1.00	<0.005
177.00	178.00	Py00.1 **Pyrite 0.1%** traces	177.00	178.00	Q282235	1.00	<0.005
178.00	179.00	Py00.1 **Pyrite 0.1%** traces	178.00	179.00	Q282236	1.00	<0.005
179.00	180.00	Py00.1 **Pyrite 0.1%** traces	179.00	180.00	Q282237	1.00	<0.005
180.00	181.00	Py00.1 **Pyrite 0.1%** traces	180.00	181.00	Q282238	1.00	<0.005
181.00	182.00	Py00.1 **Pyrite 0.1%** traces	181.00	182.00	Q282239	1.00	<0.005
182.00	183.00	Py00.1 **Pyrite 0.1%** traces	182.00	183.00	Q282240	1.00	<0.005
183.00	184.00	Py00.1 **Pyrite 0.1%** traces	183.00	184.00	Q282241	1.00	<0.005
184.00	185.00	Py00.1 **Pyrite 0.1%** traces	184.00	185.00	Q282242	1.00	<0.005
185.00	186.00	Py00.1 **Pyrite 0.1%** traces	185.00	186.00	Q282243	1.00	<0.005
186.00	187.00	Py00.1 **Pyrite 0.1%** traces	186.00	187.00	Q282244	1.00	<0.005
187.00	188.00	Py00.1 **Pyrite 0.1%** traces	187.00	188.00	Q282245	1.00	<0.005
188.00	189.00	Py00.1	188.00	189.00	Q282246	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
189.00	190.00	Py00.1	189.00	190.00	Q282247	1.00	<0.005
		Pyrite 0.1%					
		traces					
190.00	191.00	Py00.1	190.00	191.00	Q282248	1.00	0.009
		Pyrite 0.1%					
		traces					
191.00	192.00	Py00.1	191.00	192.00	Q282249	1.00	<0.005
		Pyrite 0.1%					
		traces					
192.00	193.00	Py00.1	192.00	193.00	Q282252	1.00	<0.005
		Pyrite 0.1%					
		traces					
193.00	194.00	Py00.1	193.00	194.00	Q282253	1.00	<0.005
		Pyrite 0.1%					
		traces					
194.00	195.00	Py00.1	194.00	195.00	Q282254	1.00	<0.005
		Pyrite 0.1%					
		traces					
195.00	196.00	Py00.1	195.00	196.00	Q282255	1.00	0.005
		Pyrite 0.1%					
		traces					
196.00	197.00	Py00.1	196.00	197.00	Q282256	1.00	<0.005
		Pyrite 0.1%					
		traces					
197.00	198.00	Py00.1	197.00	198.00	Q282257	1.00	<0.005
		Pyrite 0.1%					
		traces					
198.00	199.00	Py00.1	198.00	199.00	Q282258	1.00	<0.005
		Pyrite 0.1%					
		traces					
199.00	200.00	Py00.1	199.00	200.00	Q282259	1.00	<0.005
		Pyrite 0.1%					
		traces					
200.00	201.00	Py00.1	200.00	201.00	Q282260	1.00	<0.005
		Pyrite 0.1%					
		traces					
201.00	202.00	Py00.1	201.00	202.00	Q282261	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
202.00	203.00	Py00.1	202.00	203.00	Q282262	1.00	<0.005
		Pyrite 0.1%					
		traces					
203.00	204.00	Py00.1	203.00	204.00	Q282263	1.00	<0.005
		Pyrite 0.1%					
		traces					
204.00	205.00	Py00.1	204.00	205.00	Q282264	1.00	<0.005
		Pyrite 0.1%					
		traces					
204.50	207.00	Vn;3%;Ca;In;50°;;					
		vein (5 mm - 10 cm) 3% calcite infilled fractures 50°					
		1-2 cm calcite veins					
205.00	206.00	Py00.1	205.00	206.00	Q282265	1.00	<0.005
		Pyrite 0.1%					
		traces					
206.00	207.00	Py00.1	206.00	207.00	Q282266	1.00	<0.005
		Pyrite 0.1%					
		traces					
207.00	208.00	Py00.1	207.00	208.00	Q282267	1.00	<0.005
		Pyrite 0.1%					
		traces					
208.00	209.00	Py00.1	208.00	209.00	Q282268	1.00	<0.005
		Pyrite 0.1%					
		traces					
209.00	210.00	Py00.1	209.00	210.00	Q282269	1.00	<0.005
		Pyrite 0.1%					
		traces					
210.00	211.00	Py00.1	210.00	211.00	Q282270	1.00	<0.005
		Pyrite 0.1%					
		traces					
211.00	212.00	Py00.1	211.00	212.00	Q282271	1.00	<0.005
		Pyrite 0.1%					
		traces					
212.00	213.00	Py00.1	212.00	213.00	Q282272	1.00	<0.005
		Pyrite 0.1%					
		traces					
213.00	214.00	Py00.1	213.00	214.00	Q282273	1.00	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
214.00	215.00	Py00.2	214.00	215.00	Q282274	1.00	<0.005
		Pyrite 0.2%					
		traces					
215.00	216.00	Py00.2					
		Pyrite 0.2%					
		traces					
215.00	216.00	Vn;5%;Ca;In;40°;;	215.00	216.00	Q282277	1.00	0.005
		vein (5 mm - 10 cm) 5% calcite infilled fractures 40°					
		1-3 cm calcite veins					
216.00	217.00	Py00.5	216.00	217.00	Q282278	1.00	<0.005
		Pyrite 0.5%					
		fine grained pyrite as stringers vienlets					
217.00	218.00	Py00.1	217.00	218.00	Q282279	1.00	<0.005
		Pyrite 0.1%					
		traces					
218.00	219.00	Py00.1	218.00	219.00	Q282280	1.00	<0.005
		Pyrite 0.1%					
		traces					
219.00	220.00	Py00.1	219.00	220.00	Q282281	1.00	<0.005
		Pyrite 0.1%					
		traces					
220.00	221.00	Py00.1	220.00	221.00	Q282282	1.00	<0.005
		Pyrite 0.1%					
		traces					
221.00	222.00	Py00.1	221.00	222.00	Q282283	1.00	<0.005
		Pyrite 0.1%					
		traces					
222.00	223.00	Py00.1	222.00	223.00	Q282284	1.00	<0.005
		Pyrite 0.1%					
		traces					
223.00	224.00	Py00.1	223.00	224.00	Q282285	1.00	<0.005
		Pyrite 0.1%					
		traces					
224.00	225.00	Py00.1	224.00	225.00	Q282286	1.00	<0.005
		Pyrite 0.1%					
		traces					
225.00	226.00	Py00.1	225.00	226.00	Q282287	1.00	<0.005
		Pyrite 0.1%					
		traces					
226.00	227.00	Py00.1	226.00	227.00	Q282288	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
227.00	228.00	Py00.1	227.00	228.00	Q282289	1.00	<0.005
		Pyrite 0.1%					
		traces					
228.00	229.00	Py00.1					
		Pyrite 0.1%					
		traces					
228.00	231.00	Vn;5%;Ca;In;30°;;	228.00	229.00	Q282290	1.00	<0.005
		vein (5 mm - 10 cm) 5% calcite infilled fractures 30°					
		0.5-1 cm Flooding and infilled calcite veins					
229.00	230.00	Py00.1	229.00	230.00	Q282291	1.00	<0.005
		Pyrite 0.1%					
		traces					
230.00	231.00	Py00.1	230.00	231.00	Q282292	1.00	<0.005
		Pyrite 0.1%					
		traces					
231.00	232.00	Py00.1	231.00	232.00	Q282293	1.00	<0.005
		Pyrite 0.1%					
		traces					
232.00	233.00	Py00.1	232.00	233.00	Q282294	1.00	<0.005
		Pyrite 0.1%					
		traces					
233.00	234.00	Py00.1	233.00	234.00	Q282295	1.00	<0.005
		Pyrite 0.1%					
		traces					
234.00	235.00	Py00.1	234.00	235.00	Q282296	1.00	<0.005
		Pyrite 0.1%					
		traces					
235.00	236.00	Py00.1	235.00	236.00	Q282297	1.00	<0.005
		Pyrite 0.1%					
		traces					
236.00	237.00	Py00.1	236.00	237.00	Q282298	1.00	<0.005
		Pyrite 0.1%					
		traces					
237.00	238.00	Py00.1	237.00	238.00	Q282299	1.00	<0.005
		Pyrite 0.1%					
		traces					
238.00	239.00	Py00.1	238.00	239.00	Q282302	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
239.00	240.00	Py00.1	239.00	240.00	Q282303	1.00	0.006
		Pyrite 0.1%					
		traces					
240.00	241.00	Py00.1	240.00	241.00	Q282304	1.00	<0.005
		Pyrite 0.1%					
		traces					
241.00	242.00	Py00.1	241.00	242.00	Q282305	1.00	<0.005
		Pyrite 0.1%					
		traces					
242.00	243.00	Py00.1	242.00	243.00	Q282306	1.00	<0.005
		Pyrite 0.1%					
		traces					
243.00	244.00	Py00.1	243.00	244.00	Q282307	1.00	<0.005
		Pyrite 0.1%					
		traces					
244.00	245.00	Py00.1	244.00	245.00	Q282308	1.00	<0.005
		Pyrite 0.1%					
		traces					
245.00	246.00	Py00.1					
		Pyrite 0.1%					
		traces					
245.00	249.00	Vn;3%;Ca;In;50°;;	245.00	246.00	Q282309	1.00	<0.005
		vein (5 mm - 10 cm) 3% calcite infilled fractures 50°					
		1-2 cm calcite veins					
246.00	247.00	Py00.1	246.00	247.00	Q282310	1.00	0.005
		Pyrite 0.1%					
		traces					
247.00	248.00	Py00.1	247.00	248.00	Q282311	1.00	0.007
		Pyrite 0.1%					
		traces					
248.00	255.70	Fln; Crn	248.00	249.00	Q282312	1.00	<0.005
		Foliation 30°; Crenulation					
		moderate foliation 30 DTCA, localized crenulations					
248.00	249.00	Py00.1					
		Pyrite 0.1%					
		traces					
249.00	250.00	Py00.1	249.00	250.00	Q282313	1.00	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
250.00	251.00	Py00.1	250.00	251.00	Q282314	1.00	<0.005
		Pyrite 0.1%					
		traces					
251.00	252.00	Py00.1	251.00	252.00	Q282315	1.00	<0.005
		Pyrite 0.1%					
		traces					
252.00	253.00	Py00.1	252.00	253.00	Q282316	1.00	<0.005
		Pyrite 0.1%					
		traces					
253.00	254.00	Py00.1					
		Pyrite 0.1%					
		traces					
253.00	270.00	Vn;5%;Ca;In;60°;;	253.00	254.00	Q282317	1.00	<0.005
		vein (5 mm - 10 cm) 5% calcite infilled fractures 60°					
		infilled calcite veins 40-70 dg/Ca					
254.00	255.00	Py00.1	254.00	255.00	Q282318	1.00	<0.005
		Pyrite 0.1%					
		traces					
255.00	256.00	Py00.1	255.00	256.00	Q282319	1.00	<0.005
		Pyrite 0.1%					
		traces					
255.70	255.80	Gg					
		Fault gouge 40°					
		green fault gouge wiith mm-cm fragments					
255.80	278.00	Fln; Crn					
		Foliation 40°; Crenulation					
		weak to moderate foliation, weak localized crenulations					
256.00	257.00	Py00.1	256.00	257.00	Q282320	1.00	<0.005
		Pyrite 0.1%					
		traces					
257.00	258.00	Py00.1	257.00	258.00	Q282321	1.00	<0.005
		Pyrite 0.1%					
		traces					
258.00	259.00	Py00.1	258.00	259.00	Q282322	1.00	<0.005
		Pyrite 0.1%					
		traces					
259.00	260.00	Py00.1	259.00	260.00	Q282323	1.00	<0.005
		Pyrite 0.1%					
		traces					
260.00	261.00	Py00.1	260.00	261.00	Q282324	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
261.00	262.00	Py00.1	261.00	262.00	Q282327	1.00	<0.005
		Pyrite 0.1%					
		traces					
262.00	263.00	Py00.1	262.00	263.00	Q282328	1.00	<0.005
		Pyrite 0.1%					
		traces					
263.00	264.00	Py00.1	263.00	264.00	Q282329	1.00	<0.005
		Pyrite 0.1%					
		traces					
264.00	265.00	Py00.1	264.00	265.00	Q282330	1.00	<0.005
		Pyrite 0.1%					
		traces					
265.00	266.00	Py00.1	265.00	266.00	Q282331	1.00	<0.005
		Pyrite 0.1%					
		traces					
266.00	267.00	Py00.1	266.00	267.00	Q282332	1.00	<0.005
		Pyrite 0.1%					
		traces					
267.00	268.00	Py00.1	267.00	268.00	Q282333	1.00	<0.005
		Pyrite 0.1%					
		traces					
268.00	269.00	Py00.1	268.00	269.00	Q282334	1.00	<0.005
		Pyrite 0.1%					
		traces					
269.00	270.00	Py00.1	269.00	270.00	Q282335	1.00	<0.005
		Pyrite 0.1%					
		traces					
270.00	271.00	Py00.1	270.00	271.00	Q282336	1.00	<0.005
		Pyrite 0.1%					
		traces					
271.00	272.00	Py00.1	271.00	272.00	Q282337	1.00	<0.005
		Pyrite 0.1%					
		traces					
272.00	273.00	Py00.1	272.00	273.00	Q282338	1.00	<0.005
		Pyrite 0.1%					
		traces					
273.00	274.00	Py00.1	273.00	274.00	Q282339	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
274.00	275.00	Py00.1	274.00	275.00	Q282340	1.00	<0.005
		Pyrite 0.1%					
		traces					
275.00	276.00	Py00.1	275.00	276.00	Q282341	1.00	0.005
		Pyrite 0.1%					
		traces					
276.00	277.00	Py00.1	276.00	277.00	Q282342	1.00	<0.005
		Pyrite 0.1%					
		traces					
277.00	278.00	Py00.1	277.00	278.00	Q282343	1.00	<0.005
		Pyrite 0.1%					
		traces					
278.00	311.00	Fln	278.00	279.00	Q282344	1.00	<0.005
		Foliation 45°					
		weak pervasive foloation 30/45 DTCA					
278.00	279.00	Py00.1					
		Pyrite 0.1%					
		traces					
279.00	280.00	Py00.1	279.00	280.00	Q282345	1.00	<0.005
		Pyrite 0.1%					
		traces					
280.00	281.00	Py00.1	280.00	281.00	Q282346	1.00	<0.005
		Pyrite 0.1%					
		traces					
281.00	282.00	Py00.1	281.00	282.00	Q282347	1.00	<0.005
		Pyrite 0.1%					
		traces					
282.00	283.00	Py00.1	282.00	283.00	Q282348	1.00	<0.005
		Pyrite 0.1%					
		traces					
283.00	284.00	Py00.1	283.00	284.00	Q282349	1.00	<0.005
		Pyrite 0.1%					
		traces					
284.00	285.00	Py00.1	284.00	285.00	Q282352	1.00	<0.005
		Pyrite 0.1%					
		traces					
285.00	286.00	Py00.1	285.00	286.00	Q282353	1.00	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
286.00	287.00	Py00.1 **Pyrite 0.1%** traces	286.00	287.00	Q282354	1.00	<0.005
287.00	288.00	Py00.1 **Pyrite 0.1%** traces	287.00	288.00	Q282355	1.00	<0.005
288.00	289.00	Py00.1 **Pyrite 0.1%** traces	288.00	289.00	Q282356	1.00	<0.005
289.00	290.00	Py00.1 **Pyrite 0.1%** traces	289.00	290.00	Q282357	1.00	<0.005
290.00	291.00	Py00.1 **Pyrite 0.1%** traces	290.00	291.00	Q282358	1.00	<0.005
291.00	292.00	Py00.1 **Pyrite 0.1%** traces	291.00	292.00	Q282359	1.00	<0.005
292.00	293.00	Py00.1 **Pyrite 0.1%** traces	292.00	293.00	Q282360	1.00	0.006
293.00	294.00	Py00.1 **Pyrite 0.1%** traces	293.00	294.00	Q282361	1.00	<0.005
294.00	295.00	Py00.1 **Pyrite 0.1%** traces	294.00	295.00	Q282362	1.00	0.005
295.00	296.00	Py00.1 **Pyrite 0.1%** traces					
295.00	301.00	Vn;3%;Cc;In;50°;; **vein (5 mm - 10 cm) 3% calcite-chlorite infilled fractures 50°** 2-4 cm calcite chlorite veins 40-70 DTCA	295.00	296.00	Q282363	1.00	<0.005
296.00	297.00	Py00.1 **Pyrite 0.1%** traces	296.00	297.00	Q282364	1.00	<0.005
297.00	298.00	Py00.1 **Pyrite 0.1%** traces	297.00	298.00	Q282365	1.00	<0.005
298.00	299.00	Py00.1	298.00	299.00	Q282366	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
299.00	300.00	Py00.1	299.00	300.00	Q282367	1.00	<0.005
		Pyrite 0.1%					
		traces					
300.00	301.00	Py00.1	300.00	301.00	Q282368	1.00	0.016
		Pyrite 0.1%					
		traces					
301.00	302.00	Py00.1	301.00	302.00	Q282369	1.00	<0.005
		Pyrite 0.1%					
		traces					
302.00	321.00	Ca02; Cl03; Ank01	302.00	303.00	Q282370	1.00	<0.005
		Calcite 2; Chlorite 3; Ankerite 1					
		Strong pervasive chlorite, moderate calcite, spotty weak ankerite, traces sericite					
302.00	303.00	Py00.1					
		Pyrite 0.1%					
		traces					
303.00	304.00	Py00.1	303.00	304.00	Q282371	1.00	<0.005
		Pyrite 0.1%					
		traces					
304.00	305.00	Py00.1	304.00	305.00	Q282372	1.00	<0.005
		Pyrite 0.1%					
		traces					
305.00	306.00	Py00.1	305.00	306.00	Q282373	1.00	<0.005
		Pyrite 0.1%					
		traces					
306.00	307.00	Py00.1	306.00	307.00	Q282374	1.00	<0.005
		Pyrite 0.1%					
		traces					
307.00	308.00	Py00.1	307.00	308.00	Q282377	1.00	<0.005
		Pyrite 0.1%					
		traces					
308.00	309.00	Py00.1	308.00	309.00	Q282378	1.00	<0.005
		Pyrite 0.1%					
		traces					
309.00	310.00	Py00.1	309.00	310.00	Q282379	1.00	<0.005
		Pyrite 0.1%					
		traces					
310.00	311.00	Py00.1	310.00	311.00	Q282380	1.00	0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
311.00	396.00	Fln	311.00	312.00	Q282381	1.00	<0.005
		Foliation 30°					
		Moderate pervasive foliation					
311.00	312.00	Py00.1					
		Pyrite 0.1%					
		traces					
312.00	313.00	Py00.1	312.00	313.00	Q282382	1.00	<0.005
		Pyrite 0.1%					
		traces					
313.00	314.00	Py00.1	313.00	314.00	Q282383	1.00	0.005
		Pyrite 0.1%					
		traces					
314.00	315.00	Py00.1	314.00	315.00	Q282384	1.00	0.006
		Pyrite 0.1%					
		traces					
315.00	316.00	Py00.1	315.00	316.00	Q282385	1.00	0.007
		Pyrite 0.1%					
		traces					
316.00	317.00	Py00.1	316.00	317.00	Q282386	1.00	0.006
		Pyrite 0.1%					
		traces					
317.00	318.00	Py00.1	317.00	318.00	Q282387	1.00	<0.005
		Pyrite 0.1%					
		traces					
318.00	319.00	Py00.1	318.00	319.00	Q282388	1.00	<0.005
		Pyrite 0.1%					
		traces					
319.00	320.00	Py00.1	319.00	320.00	Q282389	1.00	<0.005
		Pyrite 0.1%					
		traces					
320.00	321.00	Py00.1	320.00	321.00	Q282390	1.00	<0.005
		Pyrite 0.1%					
		traces					
321.00	429.00	Ca03; Cl03	321.00	322.00	Q282391	1.00	<0.005
		Calcite 3; Chlorite 3					
		moderate to strong pervasive calcite and chlorite.					
321.00	322.00	Py00.1					
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
322.00	323.00	Py00.1 **Pyrite 0.1%** traces	322.00	323.00	Q282392	1.00	<0.005
323.00	324.00	Py00.1 **Pyrite 0.1%** traces	323.00	324.00	Q282393	1.00	<0.005
324.00	325.00	Py00.1 **Pyrite 0.1%** traces	324.00	325.00	Q282394	1.00	<0.005
325.00	326.00	Py00.1 **Pyrite 0.1%** traces	325.00	326.00	Q282395	1.00	<0.005
326.00	327.00	Py00.2 **Pyrite 0.2%** traces	326.00	327.00	Q282396	1.00	<0.005
327.00	328.00	Py00.1 **Pyrite 0.1%** traces	327.00	328.00	Q282397	1.00	<0.005
327.50	327.70	Vn;95%;Qac;In;30°;; **vein (5 mm - 10 cm) 95% quartz-ankerite-chlorite infilled fractures 30°** 10 cm infilled quartz-ankerite-chlorite veins					
328.00	329.00	Py00.1 **Pyrite 0.1%** traces	328.00	329.00	Q282398	1.00	<0.005
329.00	330.00	Py00.1 **Pyrite 0.1%** traces	329.00	330.00	Q282399	1.00	0.006
330.00	331.00	Py00.1 **Pyrite 0.1%** traces	330.00	331.00	Q282402	1.00	0.007
331.00	332.00	Py00.1 **Pyrite 0.1%** traces	331.00	332.00	Q282403	1.00	<0.005
332.00	333.00	Py00.1 **Pyrite 0.1%** traces	332.00	333.00	Q282404	1.00	<0.005
333.00	334.00	Py00.1 **Pyrite 0.1%** traces	333.00	334.00	Q282405	1.00	<0.005
334.00	335.00	Py00.1	334.00	335.00	Q282406	1.00	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
335.00	336.00	Py00.1	335.00	336.00	Q282407	1.00	<0.005
		Pyrite 0.1%					
		traces					
336.00	337.00	Py00.1	336.00	337.00	Q282408	1.00	0.005
		Pyrite 0.1%					
		traces					
337.00	338.00	Py00.1	337.00	338.00	Q282409	1.00	0.01
		Pyrite 0.1%					
		traces					
338.00	339.00	Py00.1	338.00	339.00	Q282410	1.00	0.012
		Pyrite 0.1%					
		traces					
339.00	340.00	Py00.1	339.00	340.00	Q282411	1.00	0.018
		Pyrite 0.1%					
		traces					
340.00	341.00	Py00.1	340.00	341.00	Q282412	1.00	<0.005
		Pyrite 0.1%					
		traces					
341.00	342.00	Py00.1	341.00	342.00	Q282413	1.00	0.01
		Pyrite 0.1%					
		traces					
342.00	343.00	Py00.1	342.00	343.00	Q282414	1.00	0.011
		Pyrite 0.1%					
		traces					
343.00	344.00	Py00.1	343.00	344.00	Q282415	1.00	0.011
		Pyrite 0.1%					
		traces					
344.00	345.00	Py00.1	344.00	345.00	Q282416	1.00	<0.005
		Pyrite 0.1%					
		traces					
345.00	346.00	Py00.1	345.00	346.00	Q282417	1.00	0.008
		Pyrite 0.1%					
		traces					
346.00	347.00	Py00.1	346.00	347.00	Q282418	1.00	0.007
		Pyrite 0.1%					
		traces					
347.00	348.00	Py00.1	347.00	348.00	Q282419	1.00	0.011
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
348.00	349.00	Py00.1	348.00	349.00	Q282420	1.00	0.011
		Pyrite 0.1%					
		traces					
349.00	350.00	Py00.1	349.00	350.00	Q282421	1.00	0.011
		Pyrite 0.1%					
		traces					
350.00	351.00	Py00.1	350.00	351.00	Q282422	1.00	0.011
		Pyrite 0.1%					
		traces					
351.00	352.00	Py00.1	351.00	352.00	Q282423	1.00	0.007
		Pyrite 0.1%					
		traces					
352.00	353.00	Py00.1	352.00	353.00	Q282424	1.00	0.013
		Pyrite 0.1%					
		traces					
353.00	354.00	Py00.1	353.00	354.00	Q282427	1.00	0.008
		Pyrite 0.1%					
		traces					
354.00	355.00	Py00.1	354.00	355.00	Q282428	1.00	0.006
		Pyrite 0.1%					
		traces					
355.00	356.00	Py00.1	355.00	356.00	Q282429	1.00	0.009
		Pyrite 0.1%					
		traces					
356.00	357.00	Py00.1	356.00	357.00	Q282430	1.00	0.015
		Pyrite 0.1%					
		traces					
357.00	358.00	Py00.1	357.00	358.00	Q282431	1.00	0.007
		Pyrite 0.1%					
		traces					
358.00	359.00	Py00.1	358.00	359.00	Q282432	1.00	0.018
		Pyrite 0.1%					
		traces					
359.00	360.00	Py00.1	359.00	360.00	Q282433	1.00	0.01
		Pyrite 0.1%					
		traces					
360.00	361.00	Py00.1	360.00	361.00	Q282434	1.00	0.007
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
361.00	362.00	Py00.1 **Pyrite 0.1%** traces	361.00	362.00	Q282435	1.00	0.014
362.00	363.00	Py00.1 **Pyrite 0.1%** traces	362.00	363.00	Q282436	1.00	0.011
363.00	364.00	Py00.1 **Pyrite 0.1%** traces	363.00	364.00	Q282437	1.00	0.011
364.00	365.00	Py00.1 **Pyrite 0.1%** traces	364.00	365.00	Q282438	1.00	0.014
365.00	366.00	Py00.1 **Pyrite 0.1%** traces	365.00	366.00	Q282439	1.00	0.018
366.00	367.00	Py00.1 **Pyrite 0.1%** traces	366.00	367.00	Q282440	1.00	0.01
367.00	368.00	Py00.1 **Pyrite 0.1%** traces	367.00	368.00	Q282441	1.00	0.015
368.00	369.00	Py00.1 **Pyrite 0.1%** traces	368.00	369.00	Q282442	1.00	0.01
369.00	370.00	Py00.1 **Pyrite 0.1%** traces	369.00	370.00	Q282443	1.00	0.007
370.00	371.00	Py00.1 **Pyrite 0.1%** traces	370.00	371.00	Q282444	1.00	0.011
371.00	372.00	Py00.1 **Pyrite 0.1%** traces	371.00	372.00	Q282445	1.00	0.012
372.00	373.00	Py00.1 **Pyrite 0.1%** traces	372.00	373.00	Q282446	1.00	0.016
373.00	374.00	Py00.1 **Pyrite 0.1%** traces	373.00	374.00	Q282447	1.00	0.01
374.00	375.00	Py00.1	374.00	375.00	Q282448	1.00	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
375.00	376.00	Py00.1	375.00	376.00	Q282449	1.00	0.009
		Pyrite 0.1%					
		traces					
376.00	377.00	Py00.1	376.00	377.00	Q282452	1.00	0.011
		Pyrite 0.1%					
		traces					
377.00	378.00	Py00.1	377.00	378.00	Q282453	1.00	0.016
		Pyrite 0.1%					
		traces					
378.00	379.00	Py00.1	378.00	379.00	Q282454	1.00	0.006
		Pyrite 0.1%					
		traces					
379.00	380.00	Py00.1	379.00	380.00	Q282455	1.00	0.016
		Pyrite 0.1%					
		traces					
380.00	381.00	Py00.1	380.00	381.00	Q282456	1.00	0.008
		Pyrite 0.1%					
		traces					
381.00	382.00	Py00.2	381.00	382.00	Q282457	1.00	0.024
		Pyrite 0.2%					
		traces					
382.00	383.00	Py00.2	382.00	383.00	Q282458	1.00	0.006
		Pyrite 0.2%					
		traces					
383.00	384.00	Py00.2	383.00	384.00	Q282459	1.00	0.006
		Pyrite 0.2%					
		traces					
384.00	385.00	Py00.2	384.00	385.00	Q282460	1.00	<0.005
		Pyrite 0.2%					
		traces					
385.00	386.00	Py00.5	385.00	386.00	Q282461	1.00	0.007
		Pyrite 0.5%					
		fine grained stringers veinlets parallel foliation					
386.00	387.00	Py00.2	386.00	387.00	Q282462	1.00	0.005
		Pyrite 0.2%					
		traces					
387.00	388.00	Py00.2	387.00	388.00	Q282463	1.00	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
388.00	389.00	Py00.2	388.00	389.00	Q282464	1.00	0.005
		Pyrite 0.2%					
		traces					
389.00	390.00	Py00.2					
		Pyrite 0.2%					
		traces					
389.00	390.00	Vn;3%;Ca;In;50°;;	389.00	390.00	Q282465	1.00	0.005
		vein (5 mm - 10 cm) 3% calcite infilled fractures 50°					
		Calcite veins 0.5-1 cm weakly deformed or 40-60 DTCA					
390.00	391.00	Py00.2	390.00	391.00	Q282466	1.00	0.011
		Pyrite 0.2%					
		traces					
391.00	392.00	Py00.2	391.00	392.00	Q282467	1.00	0.011
		Pyrite 0.2%					
		traces					
392.00	393.00	Py00.1	392.00	393.00	Q282468	1.00	0.012
		Pyrite 0.1%					
		traces					
393.00	394.00	Py00.1	393.00	394.00	Q282469	1.00	0.005
		Pyrite 0.1%					
		traces					
394.00	395.00	Py00.1	394.00	395.00	Q282470	1.00	0.005
		Pyrite 0.1%					
		traces					
395.00	396.00	Py00.1	395.00	396.00	Q282471	1.00	0.008
		Pyrite 0.1%					
		traces					
396.00	399.00	Fln; Crn	396.00	397.00	Q282472	1.00	0.005
		Foliation 30°; Crenulation					
		Moderate folation and crenulation					
396.00	397.00	Py00.1					
		Pyrite 0.1%					
		traces					
397.00	398.00	Py00.1	397.00	398.00	Q282473	1.00	<0.005
		Pyrite 0.1%					
		traces					
398.00	399.00	Py00.1	398.00	399.00	Q282474	1.00	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
399.00	429.00	Fln	399.00	400.00	Q282477	1.00	<0.005
		Foliation 30°					
		weak to moderate foliation					
399.00	400.00	Py00.1					
		Pyrite 0.1%					
		traces					
400.00	401.00	Py00.1	400.00	401.00	Q282478	1.00	0.009
		Pyrite 0.1%					
		traces					
401.00	402.00	Py00.1	401.00	402.00	Q282479	1.00	0.011
		Pyrite 0.1%					
		traces					
402.00	403.00	Py00.1	402.00	403.00	Q282480	1.00	0.013
		Pyrite 0.1%					
		traces					
403.00	404.00	Py00.1	403.00	404.00	Q282481	1.00	0.011
		Pyrite 0.1%					
		traces					
404.00	405.00	Py00.1	404.00	405.00	Q282482	1.00	0.011
		Pyrite 0.1%					
		traces					
405.00	406.00	Py00.1	405.00	406.00	Q282483	1.00	0.007
		Pyrite 0.1%					
		traces					
406.00	407.00	Py00.1	406.00	407.00	Q282484	1.00	<0.005
		Pyrite 0.1%					
		traces					
407.00	408.00	Py00.1	407.00	408.00	Q282485	1.00	0.01
		Pyrite 0.1%					
		traces					
408.00	409.00	Py00.1	408.00	409.00	Q282486	1.00	0.013
		Pyrite 0.1%					
		traces					
409.00	410.00	Py00.1	409.00	410.00	Q282487	1.00	0.013
		Pyrite 0.1%					
		traces					
410.00	411.00	Py00.1	410.00	411.00	Q282488	1.00	0.011
		Pyrite 0.1%					
		traces					
411.00	412.00	Py00.1	411.00	412.00	Q282489	1.00	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
412.00	413.00	Py00.2	412.00	413.00	Q282490	1.00	0.009
		Pyrite 0.2%					
		traces					
413.00	414.00	Py00.1	413.00	414.00	Q282491	1.00	0.013
		Pyrite 0.1%					
		traces					
414.00	415.00	Py00.1	414.00	415.00	Q282492	1.00	0.014
		Pyrite 0.1%					
		traces					
415.00	416.00	Py00.1	415.00	416.00	Q282493	1.00	0.016
		Pyrite 0.1%					
		traces					
416.00	417.00	Py00.1	416.00	417.00	Q282494	1.00	0.009
		Pyrite 0.1%					
		traces					
417.00	418.00	Py00.1					
		Pyrite 0.1%					
		traces					
417.00	418.00	Vn;3%;Ca;In;30°;;	417.00	418.00	Q282495	1.00	<0.005
		vein (5 mm - 10 cm) 3% calcite infilled fractures 30°					
		infilled calcite veins 30 DTCA.					
418.00	419.00	Py00.1	418.00	419.00	Q282496	1.00	<0.005
		Pyrite 0.1%					
		traces					
419.00	420.00	Py00.1	419.00	420.00	Q282497	1.00	0.007
		Pyrite 0.1%					
		traces					
420.00	421.00	Py00.1	420.00	421.00	Q282498	1.00	0.011
		Pyrite 0.1%					
		traces					
421.00	422.00	Py00.2	421.00	422.00	Q282499	1.00	0.011
		Pyrite 0.2%					
		traces					
422.00	423.00	Py00.5	422.00	423.00	Q282502	1.00	0.014
		Pyrite 0.5%					
		fine grained stringers veinlets parallel foliation					
423.00	424.00	Py00.2	423.00	424.00	Q282503	1.00	0.014
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
424.00	425.00	Py00.2	424.00	425.00	Q282504	1.00	0.009
		Pyrite 0.2%					
		traces					
425.00	426.00	Py00.2	425.00	426.00	Q282505	1.00	0.014
		Pyrite 0.2%					
		traces					
426.00	427.00	Py00.2	426.00	427.00	Q282506	1.00	0.015
		Pyrite 0.2%					
		traces					
427.00	428.00	Py00.1	427.00	428.00	Q282507	1.00	0.009
		Pyrite 0.1%					
		traces					
428.00	429.00	Py00.2	428.00	429.00	Q282508	1.00	0.006
		Pyrite 0.2%					
		traces					
429.00		**End of DDH**					
		Number of samples: 384					
		Number of QAQC samples: 34					
		Total sampled length: 383.35					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_37

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	A Richardson	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	19/02/2014	Description date:	
		To:	27/02/2014		

Collar

Azimuth:	180.0°
Dip:	-55.0°
Length:	456.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,264.457
North	0.0	0.000	5,331,534.694
Elevation	0.0	0.000	339.602

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-55.0°	No	
ReflexEZS	60.00	184.7°	-54.3°	No	Mag:55497; Data from Frank Ploeger
ReflexEZS	120.00	183.8°	-54.2°	No	Mag:55237; Data from Frank Ploeger
ReflexEZS	180.00	188.1°	-53.3°	No	Mag:54997; Data from Frank Ploeger
ReflexEZS	240.00	187.5°	-53.5°	No	Mag:55575; Data from Frank Ploeger
ReflexEZS	300.00	185.4°	-52.6°	No	Mag:54735; Data from Frank Ploeger
ReflexEZS	360.00	183.8°	-52.0°	No	Mag:54636; Data from Frank Ploeger
ReflexEZS	420.00	182.3°	-52.2°	No	Mag:55002; Data from Frank Ploeger
ReflexEZS	456.00	181.9°	-52.3°	No	Mag:55485; Data from Frank Ploeger

Description

Relogged by Gilles Kamta start August 22-2014 end August 24-2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	46.25	OVB **Overburden** overburden/casing					
46.25	99.60	V4; Per; Lithic **Trachyte; PERLITIC; LITHIC** Light grey to grey trachyte flow, fine grained. Grey Lightly white intersection(bleaching). Unit contains what appear to be alternating layers of a more massive looking reddish with perlithic fractures to ligthly grey vuggy trachyte, some angular fragments of trachyte locally brecciated the unit. intersect by quartz-carbonates/ ankerite veins.The upper unit (46.50-62.10 m) contains oxidized zones(0.1-1 m). Intermittant weak foliation underline by chlorite stringers veinlets 40-60 DTCA. Alteration consist of moderate to strong intermittant ankerite-potassic alteration, localized chlorite and silicification, oxidation and bleaching, Fine grained, euhedral and closters pyrite irregulary disseminated 0.5-2%.	46.25	47.00	M852844	0.75	1.03
46.25	50.00	Ank02; K02; Ox02 **Ankerite 2; Potassic 2; Oxidation 2** weak to moderate pervasive ankerite, intermittant strong oxidation, intermittant moderate potassic					
46.25	47.00	Py02 **Pyrite 2%** Fine grained and closter pyrite disseminated					
47.00	48.00	Py02 **Pyrite 2%** Fine grained and closter pyrite disseminated	47.00	48.00	M852845	1.00	0.857
48.00	49.00	Py02 **Pyrite 2%** Fine grained and closter pyrite disseminated	48.00	49.00	M852846	1.00	0.387
49.00	50.00	Py02 **Pyrite 2%** Fine grained, stringers and closter pyrite disseminated	49.00	50.00	M852847	1.00	0.715
49.60	54.50	Bxh **Breccia healed** Weak brecciation					
50.00	59.00	Ank03; K02; Cl01 **Ankerite 3; Potassic 2; Chlorite 1** STrong pervasive ankerite, moderate to strong intermittant potassic, weak chlorite as stringers chlorite, bleaching	50.00	51.00	M852848	1.00	0.31
50.00	51.00	Py01 **Pyrite 1%** Fine grained pyrite disseminated					
51.00	51.46	Py01	51.00	51.46	M852849	0.46	0.234

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
51.46	52.00	Py01	51.46	52.00	M852852	0.54	0.201
		Pyrite 1%					
		Fine grained pyrite disseminated					
52.00	53.00	Py01	52.00	53.00	M852853	1.00	0.293
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
53.00	54.00	Py01	53.00	54.00	M852854	1.00	0.41
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
54.00	55.00	Py01	54.00	55.00	M852855	1.00	0.264
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
54.50	58.00	Fln					
		Foliation 60°					
		weak foliation (chlorite stringers veinlets)					
55.00	56.00	Py01	55.00	56.00	M852856	1.00	0.225
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
56.00	56.70	Py01	56.00	56.70	M852857	0.70	0.442
		Pyrite 1%					
		Stringers and fine grained pyrite disseminated					
56.70	57.00	Py01	56.70	57.00	M852858	0.30	0.565
		Pyrite 1%					
		Fine grained and euhedral pyrite disseminated					
57.00	58.00	Py00.5	57.00	58.00	M852859	1.00	0.482
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
58.00	67.56	Fln; Bxh	58.00	59.00	M852860	1.00	0.856
		Foliation 60°; Breccia healed					
		alternating foliated and breccited zones					
58.00	59.00	Py01					
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
59.00	62.00	Ank03; K02; Cl01; Ox02	59.00	59.47	M852861	0.47	0.918
		Ankerite 3; Potassic 2; Chlorite 1; Oxidation 2					
		Stong pervasive ankerite, moderate spotty potassic, weak spotty chlorite, intermittant moderate to strong oxidation					
59.00	59.47	Py01					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
59.47	60.00	Py03; Cp00.2	59.47	60.00	M852862	0.53	1.295
		Pyrite 3%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, traces of chalcopyrite.					
59.80	59.90	Vn;80%;Qak;Fl;;Py00.2 Cp00.1;					
		vein (5 mm - 10 cm) 80% quartz-ankerite flooding Pyrite 0.2% Chalcopyrite 0.1%					
		Flooding quartz veins traces of oxidation pyrite, chalcopyrite					
60.00	60.50	Py02	60.00	60.50	M852863	0.50	1.005
		Pyrite 2%					
		Fine grained and closter pyrite disseminated					
60.50	61.00	Py01	60.50	61.00	M852864	0.50	0.744
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
61.00	62.00	Py01	61.00	62.00	M852865	1.00	0.437
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
62.00	67.56	Ank03; K02; Cl01	62.00	63.00	M852866	1.00	0.311
		Ankerite 3; Potassic 2; Chlorite 1					
		Strong pervasive ankerite, moderate pervasive potassic, stringers chlorite					
62.00	63.00	Py00.7					
		Pyrite 0.7%					
		Fine grained, stringer pyrite and closter pyrite disseminated					
63.00	64.00	Py01	63.00	64.00	M852867	1.00	0.21
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
64.00	65.00	Py01	64.00	65.00	M852868	1.00	0.474
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
65.00	66.00	Py01	65.00	66.00	M852869	1.00	0.312
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
66.00	67.00	Py00.5; Cp00.2	66.00	67.00	M852870	1.00	0.213
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Fine grained pyrite disseminated, traces of chacopyrite					
67.00	67.56	Py00.5	67.00	67.56	M852871	0.56	0.244
		Pyrite 0.5%					
		Fine grained pyrite					
67.56	68.68	K03; Ank02	67.56	68.00	M852872	0.44	0.481

Description			Assay				
			From	To	Sample number	Length	AuBest
		Potassic 3; Ankerite 2					
		strong potassic alteration moderate ankerite					
67.56	68.00	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
68.00	68.68	Py01	68.00	68.68	M852873	0.68	0.968
		Pyrite 1%					
		Fine grained pyrite disseminated					
68.68	74.46	Ank03; K02; Cl01	68.68	69.00	M852874	0.32	0.724
		Ankerite 3; Potassic 2; Chlorite 1					
		Strong pervasive alteration, moderate pervasive potassic, weak chlorite(stringers)					
68.68	72.00	Fln					
		Foliation 60°					
		weak foliation (chlorite stringers veinlets)					
68.68	69.00	Py01					
		Pyrite 1%					
		Fine grained pyrite disseminated					
69.00	69.60	Py01	69.00	69.60	M852877	0.60	0.416
		Pyrite 1%					
		Fine grained, stringers					
		(chlorite) and closter pyrite disseminated					
69.20	69.60	Vm;80%;Qak;In;50°;Py00.5;					
		major vein (10 cm or greater) 80% quartz-ankerite infilled fractures 50° Pyrite 0.5%					
		Lighly pink/ smoky grey quartz ankerite veins with euhedral pyrite					
69.60	70.00	Py01	69.60	70.00	M852878	0.40	0.437
		Pyrite 1%					
		Fine grained, stringers and closter pyrite disseminated					
70.00	71.00	Py01	70.00	71.00	M852879	1.00	2.47
		Pyrite 1%					
		Fine grained stringers and fine grained pyrite disseminated					
71.00	72.00	Py01	71.00	72.00	M852880	1.00	1.375
		Pyrite 1%					
		euhedral, fine grained, stringers and closter pyrite disseminated					
72.00	73.00	Py01	72.00	73.00	M852881	1.00	0.786
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
73.00	74.00	Py01	73.00	74.00	M852882	1.00	0.569
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
74.00	74.46	Py01	74.00	74.46	M852883	0.46	0.396

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
74.46	99.60	K02; Ank02; Si01	74.46	75.00	M852884	0.54	0.092
		Potassic 2; Ankerite 2; Silica 1					
		Moderate pervasive potassic ankerite alteration, weak to moderate intermittant silica.					
74.46	75.00	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
75.00	76.00	Py01	75.00	76.00	M852885	1.00	0.124
		Pyrite 1%					
		Fine grained and closter pyrite disseminated					
76.00	77.00	Py02	76.00	77.00	M852886	1.00	0.161
		Pyrite 2%					
		Euhedral and fine grained and closter pyrite disseminated					
77.00	78.00	Py01	77.00	78.00	M852887	1.00	0.159
		Pyrite 1%					
		Fine grained pyrite disseminated					
78.00	79.00	Py00.1	78.00	79.00	M852888	1.00	0.148
		Pyrite 0.1%					
		Euhedral and fine grained pyrite disseminated					
79.00	80.00	Py01	79.00	80.00	M852889	1.00	0.085
		Pyrite 1%					
		fine grained pyrite disseminated					
80.00	81.00	Py00.5	80.00	81.00	M852890	1.00	0.111
		Pyrite 0.5%					
		Euhedral and fine grained pyrite					
81.00	82.00	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
81.00	82.00	Vn;10%;Qak;In;30°;Py00.5;	81.00	82.00	M852891	1.00	0.063
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 30° Pyrite 0.5%					
		Infilled and flooding quartz-felspath-ankerite veins with fragments of trachytes.					
82.00	83.00	Py00.5	82.00	83.00	M852892	1.00	0.058
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
83.00	84.00	Py00.5	83.00	84.00	M852893	1.00	0.069
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
84.00	85.00	Py00.5	84.00	85.00	M852894	1.00	0.114
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
85.00	86.00	Py00.5	85.00	86.00	M852895	1.00	0.092
		Pyrite 0.5%					
		fine grained pyrite disseminated					
86.00	87.00	Py00.5	86.00	87.00	M852896	1.00	0.13
		Pyrite 0.5%					
		fine grained pyrite disseminated					
87.00	88.00	Py00.5	87.00	88.00	M852897	1.00	0.173
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
88.00	89.00	Py00.5	88.00	89.00	M852898	1.00	0.15
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
89.00	90.00	Py00.5	89.00	90.00	M852899	1.00	0.13
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
90.00	91.00	Py00.5	90.00	91.00	M852902	1.00	0.069
		Pyrite 0.5%					
		Euhedral pyrite disseminated					
91.00	92.00	Py00.5	91.00	92.00	M852903	1.00	0.058
		Pyrite 0.5%					
		Fine grained disseminated					
92.00	93.00	Py00.5	92.00	93.00	M852904	1.00	0.057
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
93.00	94.00	Py00.5	93.00	94.00	M852905	1.00	0.049
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
94.00	95.00	Py00.5	94.00	95.00	M852906	1.00	0.089
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
95.00	96.00	Py00.5	95.00	96.00	M852907	1.00	0.075
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
96.00	97.00	Py00.5	96.00	97.00	M852908	1.00	0.086
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
97.00	98.00	Py00.5	97.00	98.00	M852909	1.00	0.14
		Pyrite 0.5%					
		euhedral and fine grained dissseminated					

Description				Assay				
				From	To	Sample number	Length	AuBest
98.00	99.00	Py00.5		98.00	99.00	M852910	1.00	0.071
		Pyrite 0.5%						
		fine grained pyrite disseminated						
99.00	99.61	Py01		99.00	99.61	M852911	0.61	1.725
		Pyrite 1%						
		Stringers and fine grained pyrite disseminated						
99.60	171.11	V4; LapTuff; Bnd						
		Trachyte 35°; LAPILLI TUFF/AGGLOMERATE; Banded						
		Lightly green-dark green fine grained laminated lapilli tuff. The unit present some sediment intersection 20 cm with quartz crystals and jaspar. some ramdon clast or fragments irregulary disseminated. All the unit is foliated 40-60 DTCA., the lower unit present fine inter banding (quartz-ankerite/chlorite 0.2-1 cm). Altered to pervasive ankerite, moderate to strong intermittant chlorite and potassic alteration, weak to moderate sericite. It's mineralized trace to 0.5% pyrite. The unit is locally intersect by 0.5-10 cm massive reddish trachyte flow.						
99.60	113.00	Ank03; Cl02; Se01						
		Ankerite 3; Chlorite 2; Sericite 1						
		Strong pervasive ankerite, moderate to strong pervasive chlorite (strong in some laminations), weak spotty sericite						
99.60	113.00	Vn;40%;Ak;In;40°;Py00.2;						
		vein (5 mm - 10 cm) 40% ankerite infilled fractures 40° Pyrite 0.2%						
		quartz-ankerite veins parallel foliation.						
99.61	100.00	FAZ; Gg						
		Fault Zone 35°; Fault gouge						
		fault zone with 30% gouge, sharp contacts 30-35 DTCA						
99.61	100.00	Py00.2		99.61	100.00	M852912	0.39	0.017
		Pyrite 0.2%						
		Euhedral and fine grained pyrite disseminated						
100.00	171.11	Fln		100.00	101.00	M852913	1.00	<0.005
		Foliation 45°						
		Weak to moderate foliation and laminations 40-60 dtca						
100.00	101.00	Py00.2						
		Pyrite 0.2%						
		traces of pyrite						
101.00	102.00	Py00.2		101.00	102.00	M852914	1.00	<0.005
		Pyrite 0.2%						
		traces of pyrite						
102.00	103.00	Py00.2		102.00	103.00	M852915	1.00	0.028
		Pyrite 0.2%						
		traces of pyrite						
103.00	104.00	Py00.2		103.00	104.00	M852916	1.00	0.105

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces of pyrite					
104.00	105.00	Py00.2	104.00	105.00	M852917	1.00	0.014
		Pyrite 0.2%					
		traces of pyrite					
105.00	106.00	Py00.2	105.00	106.00	M852918	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
106.00	107.00	Py00.2	106.00	107.00	M852919	1.00	0.136
		Pyrite 0.2%					
		traces of pyrite					
107.00	108.00	Py00.2	107.00	108.00	M852920	1.00	0.035
		Pyrite 0.2%					
		traces of pyrite					
108.00	109.00	Py00.2	108.00	109.00	M852921	1.00	0.119
		Pyrite 0.2%					
		traces of pyrite					
109.00	110.00	Py00.2	109.00	110.00	M852922	1.00	0.022
		Pyrite 0.2%					
		traces of pyrite					
110.00	111.00	Py00.1	110.00	111.00	M852923	1.00	0.009
		Pyrite 0.1%					
		traces of pyrite					
111.00	112.00	Py00.1	111.00	112.00	M852924	1.00	0.006
		Pyrite 0.1%					
		traces of pyrite					
112.00	113.00	Py00.2	112.00	113.00	M852927	1.00	0.008
		Pyrite 0.2%					
		traces of pyrite, veinlets					
113.00	129.00	Ank03; Cl03; Se02; K01	113.00	114.00	M852928	1.00	0.011
		Ankerite 3; Chlorite 3; Sericite 2; Potassic 1					
		Strong pervasive ankerite, moderate to strong chlorite, spotty sericite, spotty weak sericite.					
113.00	114.00	Py00.1					
		Pyrite 0.1%					
		traces					
114.00	115.00	Py00.1	114.00	115.00	M852929	1.00	0.057
		Pyrite 0.1%					
		traces					
115.00	116.00	Py00.1	115.00	116.00	M852930	1.00	0.031
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
116.00	117.00	Py00.1	116.00	117.00	M852931	1.00	0.009
		Pyrite 0.1%					
		traces					
117.00	117.40	Py00.2	117.00	117.40	M852932	0.40	0.059
		Pyrite 0.2%					
		traces					
117.40	118.00	Py00.2	117.40	118.00	M852933	0.60	0.007
		Pyrite 0.2%					
		traces					
118.00	119.00	Py00.2	118.00	119.00	M852934	1.00	<0.005
		Pyrite 0.2%					
		traces					
119.00	120.00	Py00.2; Mg00.2	119.00	120.00	M852935	1.00	0.005
		Pyrite 0.2%; Magnetite 0.2%					
		traces of pyrite and magnetite					
120.00	121.00	Mg00.5; Py00.2	120.00	121.00	M852936	1.00	<0.005
		Magnetite 0.5%; Pyrite 0.2%					
		euhedral magnetite disseminated, traces of pyrite					
121.00	122.00	Mg00.5; Py00.2	121.00	122.00	M852937	1.00	0.007
		Magnetite 0.5%; Pyrite 0.2%					
		euhedral magnetite disseminated, traces of pyrite					
122.00	123.00	Mg00.5; Py00.2	122.00	123.00	M852938	1.00	<0.005
		Magnetite 0.5%; Pyrite 0.2%					
		euhedral magnetite disseminated, traces of pyrite					
123.00	124.00	Mg00.5; Py00.2	123.00	124.00	M852939	1.00	<0.005
		Magnetite 0.5%; Pyrite 0.2%					
		euhedral magnetite disseminated, traces of pyrite					
124.00	125.00	Py00.2	124.00	125.00	M852940	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
125.00	126.00	Py00.2	125.00	126.00	M852941	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
125.70	125.80	Vn;98%;Qak;In;30°;;					
		vein (5 mm - 10 cm) 98% quartz-ankerite infilled fractures 30°					
		pinkish quartz ankerite veins					
126.00	127.00	Py00.5	126.00	127.00	M852942	1.00	0.014
		Pyrite 0.5%					
		euhedral pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
127.00	128.00	Py00.5	127.00	128.00	M852943	1.00	0.01
		Pyrite 0.5%					
		euhedral pyrite disseminated.					
128.00	129.00	Py00.1	128.00	129.00	M852944	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
129.00	171.11	Ank03; Cl02; K02; Se02; Ox01	129.00	130.00	M852945	1.00	0.008
		Ankerite 3; Chlorite 2; Potassic 2; Sericite 2; Oxidation 1					
		Strong pervasive ankerite, moderate chlorite, spotty potassic, localized oxidation					
129.00	130.00	Py00.2					
		Pyrite 0.2%					
		Pyrite in veins					
130.00	131.00	Py00.2	130.00	131.00	M852946	1.00	0.009
		Pyrite 0.2%					
		traces of pyrite in veins					
131.00	132.00	Py00.5; Py	131.00	132.00	M852947	1.00	0.079
		Pyrite 0.5%; Pyrite					
		fine grained and euhedral pyrite disseminated					
132.00	133.00	Py00.5	132.00	133.00	M852948	1.00	0.007
		Pyrite 0.5%					
		fine grained and euhedral pyrite in veins					
133.00	134.00	Py00.5					
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
133.00	144.00	Vn;5%;Qak;In;60°;Py00.2;	133.00	134.00	M852949	1.00	0.02
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60° Pyrite 0.2%					
		1-2 cm pinkish quartz ankerite veins with traces of pyrite					
134.00	135.00	Py00.7	134.00	135.00	M852952	1.00	2.3
		Pyrite 0.7%					
		fine grained and euhedral pyrite in veins					
135.00	136.00	Py00.5	135.00	136.00	M852953	1.00	0.552
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
136.00	137.00	Py00.2	136.00	137.00	M852954	1.00	0.534
		Pyrite 0.2%					
		traces					
137.00	138.00	Py00.2	137.00	138.00	M852955	1.00	0.135
		Pyrite 0.2%					
		traces of euhedral pyrite disseminated					
138.00	139.00	Py00.5	138.00	139.00	M852956	1.00	0.525

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		traces of euhedral pyrite					
139.00	140.00	Py01	139.00	140.00	M852957	1.00	0.196
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
140.00	141.00	Py00.5	140.00	141.00	M852958	1.00	0.022
		Pyrite 0.5%					
		fine grained pyrite disseminated					
141.00	142.00	Py00.5	141.00	142.00	M852959	1.00	0.073
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
142.00	143.00	Py00.5	142.00	143.00	M852960	1.00	0.103
		Pyrite 0.5%					
		Fine grained and euhedral pyrite in vains					
143.00	144.00	Py00.5	143.00	144.00	M852961	1.00	0.67
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
144.00	145.00	Py00.2	144.00	145.00	M852962	1.00	0.419
		Pyrite 0.2%					
		traces of pyrite					
145.00	146.00	Py00.2; Mg00.5	145.00	146.00	M852963	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		trace of pyrite and euhedral and fine grained pyrite					
146.00	147.00	Py00.2	146.00	147.00	M852964	1.00	<0.005
		Pyrite 0.2%					
		fine graune pyrite in veins					
147.00	148.00	Py00.1	147.00	148.00	M852965	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
148.00	149.00	Py00.1	148.00	149.00	M852966	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
149.00	150.00	Py00.1	149.00	150.00	M852967	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
150.00	151.00	Py00.1	150.00	151.00	M852968	1.00	0.008
		Pyrite 0.1%					
		traces of pyrite					
151.00	152.00	Py00.1	151.00	152.00	M852969	1.00	0.017
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
152.00	153.00	Py00.1	152.00	153.00	M852970	1.00	0.026
		Pyrite 0.1%					
		traces of pyrite					
153.00	154.00	Py00.1	153.00	154.00	M852971	1.00	0.026
		Pyrite 0.1%					
		traces of pyrite					
154.00	155.00	Py00.1	154.00	155.00	M852972	1.00	0.011
		Pyrite 0.1%					
		traces of pyrite					
155.00	156.00	Py00.1	155.00	156.00	M852973	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
156.00	157.00	Py00.2	156.00	157.00	M852974	1.00	0.034
		Pyrite 0.2%					
		traces of pyrite					
157.00	158.00	Py00.2	157.00	158.00	M852977	1.00	0.012
		Pyrite 0.2%					
		traces of pyrite					
158.00	159.00	Py00.2	158.00	159.00	M852978	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
159.00	160.00	Py00.2; Mg00.5	159.00	160.00	M852979	1.00	0.007
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, disseminated magnetite					
160.00	161.00	Py00.2; Mg00.5	160.00	161.00	M852980	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, disseminated magnetite					
161.00	162.00	Py00.2; Mg00.5	161.00	162.00	M852981	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, disseminated magnetite					
162.00	163.00	Py00.5	162.00	163.00	M852982	1.00	0.039
		Pyrite 0.5%					
		Closter and euhedral pyrite irregulary disseminated.					
163.00	164.00	Py00.2	163.00	164.00	M852983	1.00	0.254
		Pyrite 0.2%					
		traces of pyrite					
164.00	165.00	Py00.2	164.00	165.00	M852984	1.00	0.095
		Pyrite 0.2%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
165.00	166.00	Py00.2 **Pyrite 0.2%** traces of pyrite	165.00	166.00	M852985	1.00	0.591
166.00	167.00	Py00.2 **Pyrite 0.2%** traces of pyrite	166.00	167.00	M852986	1.00	1.195
167.00	168.00	Py00.2 **Pyrite 0.2%** traces of pyrite	167.00	168.00	M852987	1.00	0.331
168.00	169.00	Py00.2 **Pyrite 0.2%** traces of pyrite	168.00	169.00	M852988	1.00	0.051
169.00	170.00	Py00.1 **Pyrite 0.1%** traces of pyrite	169.00	170.00	M852989	1.00	0.007
170.00	171.11	Py00.5 **Pyrite 0.5%** Fine and euhedral pyrite in veins	170.00	171.11	M852990	1.11	0.043
171.11	235.25	V4; Pep; Per **Trachyte 40°; PEPERITIC; PERLITIC** Medium to fine grained pinkish spotted green trachyte. The unit has mottled / perperitic texture with interstitial dark grey to black magnetic. Alternating sequences of perlitic fractures strongly potassic, chloritic magnetite fractures filled in the weak to moderate foliation. Alteration consist of strong pervasive ankerite, moderate to strong pervasive potassic alteration, moderate to strong potassic alteration with moderate, moderate spotty silicification. Mineralized with traces to 1% fined or euhedral disseminated pyrite, localized traces of chalcopyrite in veins or veinlets.	171.11	172.00	M852991	0.89	0.265
171.11	183.85	Ank03; K02; Cl01 **Ankerite 3; Potassic 2; Chlorite 1** Strong pervasive ankerite, moderate pervasive ankerite, weak interstitial or spotty chlorite					
171.11	183.81	Fln; Bxh **Foliation 50°; Breccia healed** Weak foliation chlorite stringers) breccia					
171.11	172.00	Py00.5; Cp00.2 **Pyrite 0.5%; Chalcopyrite 0.2%** euhedral and fine grained pyrite disseminated, chalcopyrite in stringers					
172.00	173.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite disseminated	172.00	173.00	M852992	1.00	0.05
173.00	174.00	Py00.2	173.00	174.00	M852993	1.00	0.019

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces of pyrite disseminated					
174.00	175.00	Py00.2	174.00	175.00	M852994	1.00	0.052
		Pyrite 0.2%					
		traces of pyrite					
175.00	176.00	Py00.5	175.00	176.00	M852995	1.00	0.052
		Pyrite 0.5%					
		fine grained pyrite disseminated					
176.00	177.00	Py00.5	176.00	177.00	M852996	1.00	0.053
		Pyrite 0.5%					
		ine grained pyrite disseminated					
177.00	178.00	Py00.5	177.00	178.00	M852997	1.00	0.038
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
178.00	179.00	Py00.5	178.00	179.00	M852998	1.00	0.07
		Pyrite 0.5%					
		fine and euhedral pyrite disseminated					
179.00	180.00	Py00.5	179.00	180.00	M852999	1.00	0.031
		Pyrite 0.5%					
		fine and euhedral pyrite					
180.00	181.00	Py00.5	180.00	181.00	E528552	1.00	0.021
		Pyrite 0.5%					
		fine and euhedral pyrite disseminated					
181.00	182.00	Py01	181.00	182.00	E528553	1.00	0.049
		Pyrite 1%					
		fine and euhedral pyrite irreg disseminated					
182.00	183.00	Py00.5	182.00	183.00	E528554	1.00	0.03
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
183.00	183.81	Py00.5	183.00	183.81	E528555	0.81	0.014
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
183.81	184.55	V4; Lithic					
		Trachyte 40°; LITHIC					
		Reddish trachyte flow with lithic fractures intersect by quartz-ankerite veins and veinlets, weakly					
		silicifed. weakly altered to ankerite, stringers chlorite.					
183.81	184.55	Py00.5	183.81	184.55	E528556	0.74	0.008
		Pyrite 0.5%					
		fine grained pyrite disseminated					
183.85	186.00	K03; Ank03; Ca02					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Potassic 3; Ankerite 3; Calcite 2					
		Moderate to strong pervasive ankerite-potassic alteration.					
184.55	185.22	Fln					
		Foliation 50°					
		weak foliation					
184.55	185.22	Py00.5	184.55	185.22	E528557	0.67	0.024
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
185.22	186.00	V4; Lithic					
		Trachyte 40°; LITHIC					
		Reddish trachyte flow with lithic fractures intersect by quartz-ankerite veins and veinlets, weakly					
		silicifed. weakly altered to ankerite, stringers chlorite. mineralized 0.5% pyrite					
185.22	186.00	Py00.5	185.22	186.00	E528558	0.78	0.023
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
186.00	199.90	Ank03; K02; Cl02	186.00	187.00	E528559	1.00	0.024
		Ankerite 3; Potassic 2; Chlorite 2					
		Strong pervasive ankerite, moderate pervasive potassic and chlorite.					
186.00	187.50	Fln					
		Foliation 45°					
		weak foliation					
186.00	187.00	Py00.5					
		Pyrite 0.5%					
		fine grained disseminated pyrite					
187.00	188.00	Py00.5	187.00	188.00	E528560	1.00	0.041
		Pyrite 0.5%					
		fine grained disseminated pyrite					
187.80	199.90	Fln; Bxh					
		Foliation 50°; Breccia healed					
		weak to moderate foliation and localized breccia					
188.00	189.00	Py00.5	188.00	189.00	E528561	1.00	0.049
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
189.00	190.00	Py00.2	189.00	190.00	E528562	1.00	<0.005
		Pyrite 0.2%					
		trace of pyrite					
190.00	191.00	Py00.5	190.00	191.00	E528563	1.00	0.011
		Pyrite 0.5%					
		Eheudral and fine grained pyrite					
191.00	192.00	Py00.5	191.00	192.00	E528564	1.00	0.027

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Euhedral and fine grained pyrite					
192.00	193.00	Py01	192.00	193.00	E528565	1.00	0.336
		Pyrite 1%					
		Euhedral and fine grained pyrite					
193.00	194.00	Py02	193.00	194.00	E528566	1.00	0.265
		Pyrite 2%					
		fine grained					
194.00	195.00	Py02	194.00	195.00	E528567	1.00	0.485
		Pyrite 2%					
		traces of pyrite					
195.00	196.00	Py01	195.00	196.00	E528568	1.00	0.459
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
196.00	197.00	Py00.5	196.00	197.00	E528569	1.00	0.773
		Pyrite 0.5%					
		fine grained and euhedral pyrite					
197.00	198.00	Py01	197.00	198.00	E528570	1.00	0.103
		Pyrite 1%					
		Euhedral and fine grained pyrite					
198.00	199.00	Py00.5	198.00	199.00	E528571	1.00	0.144
		Pyrite 0.5%					
		fine grained pyrite disseminated					
199.00	199.90	Py00.5	199.00	199.90	E528572	0.90	0.343
		Pyrite 0.5%					
		fine grained pyrite disseminated					
199.90	200.90	V4; Lithic					
		Trachyte 60°; LITHIC					
		Reddish trachyte flow with lithic fractures intersect by vuggy quartz-ankerite veins and veinlets, weakly					
		silicifed. weakly altered to ankerite, stringers chlorite, mineralized 0.5% pyrite					
199.90	201.00	Ank03; K03; Si02					
		Ankerite 3; Potassic 3; Silica 2					
		Strong potassic-ankerite alteration, moderate pervasive silica					
199.90	201.00	Py02; Cp00.2					
		Pyrite 2%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, chalcopyrite in veins					
199.90	201.00	Vn;3%;Qak;In;40°;Py00.2;	199.90	201.00	E528573	1.10	0.177
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40° Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		infilled quartz ankerite veins with traces of pyrite.					
200.90	209.90	Fln					
		Foliation 60°					
		moderate foliation					
201.00	218.75	Ank03; K02; Cl02	201.00	202.00	E528574	1.00	0.063
		Ankerite 3; Potassic 2; Chlorite 2					
		strong pervasive ankerite, moderate to strong potassic and chlorite alteration.					
201.00	202.00	Py00.5					
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
202.00	203.00	Py01	202.00	203.00	E528577	1.00	0.045
		Pyrite 1%					
		fine grained Pyrite disseminated					
203.00	204.00	Py00.5	203.00	204.00	E528578	1.00	0.024
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
204.00	210.30	V4; Lithic	204.00	205.00	E528579	1.00	0.581
		Trachyte 50°; LITHIC					
		Reddish trachyte flow with lithic fractures and weak foliation intersect by quartz-ankerite veinlets, weakly silicifed. Localized quartz-felspaths phenocrysts. Altered to pervasive potassic alteration, moderate ankerite and weak chlorite stringers. mineralized 0.5% pyrite					
204.00	205.00	Py01					
		Pyrite 1%					
		fine grained and Euhedral pyrite disseminated					
204.00	207.00	Vn;3%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°					
		infilled quartz-ankerite veins 1-3 cm 50-60 DTCA					
205.00	206.00	Py01	205.00	206.00	E528580	1.00	0.49
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
206.00	207.00	Py01	206.00	207.00	E528581	1.00	0.34
		Pyrite 1%					
		fine grained pyrite disseminated					
207.00	208.00	Py01	207.00	208.00	E528582	1.00	0.437
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
208.00	209.00	Py01	208.00	209.00	E528583	1.00	0.181
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
209.00	209.50	Py02; Cp00.2	209.00	209.50	E528584	0.50	0.21

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%; Chalcopyrite 0.2%					
		Fine grained pyrite disseminated, chalcopyrite					
209.50	210.30	Py01	209.50	210.30	E528585	0.80	0.049
		Pyrite 1%					
		fine grained pyrite disseminated					
210.30	221.90	Fln	210.30	211.30	E528586	1.00	0.087
		Foliation 50°					
		weak to moderate intermittant foliation					
210.30	211.30	Py01					
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
211.30	212.00	Cp00.5	211.30	212.00	E528587	0.70	0.065
		Chalcopyrite 0.5%					
		Fine grained pyrite disseminated					
212.00	213.00	Py00.1	212.00	213.00	E528588	1.00	0.029
		Pyrite 0.1%					
		traces					
213.00	214.00	Py00.1	213.00	214.00	E528589	1.00	0.048
		Pyrite 0.1%					
		traces					
214.00	215.00	Py00.2	214.00	215.00	E528590	1.00	0.096
		Pyrite 0.2%					
		traces					
215.00	216.00	Py00.2	215.00	216.00	E528591	1.00	0.222
		Pyrite 0.2%					
		traces					
216.00	217.00	Py00.2	216.00	217.00	E528592	1.00	0.022
		Pyrite 0.2%					
		traces					
217.00	218.00	Py00.5	217.00	218.00	E528593	1.00	0.03
		Pyrite 0.5%					
		fine grained Pyrite disseminated					
218.00	218.75	Py01	218.00	218.75	E528594	0.75	0.348
		Pyrite 1%					
		euhedral and fine grained Pyrite disseminated					
218.75	234.00	K03; Ank03; Si02; Cl02	218.75	219.32	E528595	0.57	0.535
		Potassic 3; Ankerite 3; Silica 2; Chlorite 2					
		Strong pervasive ankerite, moderate pervasive potassic alteration. moderate to strong intermittant silica and chlorite alteration.					
218.75	219.32	Py02					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%					
		trace of pyrite					
219.32	220.28	Py02; Cp00.2	219.32	220.28	E528596	0.96	0.251
		Pyrite 2%; Chalcopyrite 0.2%					
		euhedral and fine grained Pyrite disseminated, chalcopyrite in veins					
220.28	221.16	Py00.5	220.28	221.16	E528597	0.88	0.265
		Pyrite 0.5%					
		euhedral and fine grained Pyrite disseminated					
221.16	222.00	Py01	221.16	222.00	E528598	0.84	0.365
		Pyrite 1%					
		euhedral and fine grained Pyrite disseminated					
222.00	223.00	Py02	222.00	223.00	E528599	1.00	0.47
		Pyrite 2%					
		euhedral and fine grained Pyrite disseminated					
223.00	224.00	Py01	223.00	224.00	E528602	1.00	0.982
		Pyrite 1%					
		euhedral and fine grained Pyrite disseminated					
224.00	225.00	Py01	224.00	225.00	E528603	1.00	0.151
		Pyrite 1%					
		euhedral and fine grained Pyrite disseminated					
225.00	226.00	Py01	225.00	226.00	E528604	1.00	0.06
		Pyrite 1%					
		euhedral and fine grained Pyrite disseminated					
226.00	227.00	Py00.5	226.00	227.00	E528605	1.00	0.024
		Pyrite 0.5%					
		euhedral, closter, and fine grained Pyrite disseminated					
227.00	228.00	Py00.5; Cp00.2	227.00	228.00	E528606	1.00	0.033
		Pyrite 0.5%; Chalcopyrite 0.2%					
		euhedral and fine grained Pyrite disseminated, trace of chalcopyrite					
228.00	229.00	Py01	228.00	229.00	E528607	1.00	0.076
		Pyrite 1%					
		euhedral and fine grained Pyrite disseminated					
229.00	230.00	Py00.5; Cp00.2	229.00	230.00	E528608	1.00	0.029
		Pyrite 0.5%; Chalcopyrite 0.2%					
		euhedral and fine grained Pyrite disseminated, chalcopyrite in cracks					
230.00	231.00	Py00.5	230.00	231.00	E528609	1.00	0.062
		Pyrite 0.5%					
		euhedral and fine grained Pyrite disseminated					
231.00	232.00	Py00.2	231.00	232.00	E528610	1.00	0.076
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		euhedral and fine grained Pyrite disseminated					
232.00	233.00	Py00.5	232.00	233.00	E528611	1.00	0.188
		Pyrite 0.5%					
		euhedral and fine grained Pyrite disseminated					
233.00	233.60	Py00.5	233.00	233.60	E528612	0.60	0.063
		Pyrite 0.5%					
		euhedral and fine grained Pyrite disseminated					
233.60	235.25	Bxh	233.60	234.20	E528613	0.60	0.103
		Breccia healed					
		moderate to strong Breccition contact with massive trachyte and foliated trachyte.					
233.60	234.20	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
234.00	254.00	Ank03; K02; Cl02; Se01					
		Ankerite 3; Potassic 2; Chlorite 2; Sericite 1					
		Strong pervasive ankerite, moderate pervasive potassic-chlorite, weak spotty sericite.					
234.20	235.00	Py00.2	234.20	235.00	E528614	0.80	0.005
		Pyrite 0.2%					
		traces of pyrite					
235.00	236.00	Py00.2	235.00	236.00	E528615	1.00	<0.005
		Pyrite 0.2%					
		traces de pyrite					
235.25	253.60	V4; Tuff					
		Trachyte 60°; TUFF					
		Dark greyish green trachyte tuff (lapilli tuf). Fine grained groundmass. The unit is weakly deformed (stretching) foliated 40-60 DTCA with the upper contact weakly brecciated. The foliation is underline by dark and white layers (green chloritic and whitish quartz -ankerite cm layers). It's altered to strong pervasive ankerite, moderate chlorite, moderate pervasive ankerite. Unit is moderately to strongly magnetized with some fine grained magnetite occuring throughout. Its mineralized traces to 0.5% fine grained and euhedral pyrite.					
235.25	241.00	Fln					
		Foliation 50°					
		moderate to strong foliation 40-60 dgtca.					
236.00	237.00	Py00.2	236.00	237.00	E528616	1.00	0.006
		Pyrite 0.2%					
		traces de pyrite					
237.00	238.00	Py00.1	237.00	238.00	E528617	1.00	0.016
		Pyrite 0.1%					
		Traces de pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
238.00	239.00	Py00.2 **Pyrite 0.2%** traces	238.00	239.00	E528618	1.00	0.02
239.00	240.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite disseminated	239.00	240.00	E528619	1.00	0.021
240.00	241.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained Pyrite in veins	240.00	241.00	E528620	1.00	0.025
241.00	242.00	Fln; Bxh; Crn **Foliation 30°; Breccia healed; Crenulation** moderate foliation, breaccia					
241.00	242.00	Py00.2 **Pyrite 0.2%** traces of pyrite	241.00	242.00	E528621	1.00	0.028
242.00	243.00	Fln **Foliation 80°** moderate to strong foliation					
242.00	243.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained Pyrite in veins	242.00	243.00	E528622	1.00	0.012
243.00	245.00	Fln **Foliation 30°** Moderate foliation	243.00	244.00	E528623	1.00	0.02
243.00	244.00	Py00.2 **Pyrite 0.2%** traces of pyrite					
244.00	245.00	Py00.2 **Pyrite 0.2%** trace of pyrite	244.00	245.00	E528624	1.00	0.024
245.00	246.00	Py00.2 **Pyrite 0.2%** traces of pyrite	245.00	246.00	E528627	1.00	0.015
246.00	247.00	Py00.2 **Pyrite 0.2%** traces of pyrite	246.00	247.00	E528628	1.00	<0.005
247.00	248.00	Py00.2 **Pyrite 0.2%** traces of pyrite	247.00	248.00	E528629	1.00	0.007
248.00	249.00	Py00.1	248.00	249.00	E528630	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
249.00	250.00	Py00.1	249.00	250.00	E528631	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
250.00	251.00	Py00.1	250.00	251.00	E528632	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
251.00	252.00	Py00.5	251.00	252.00	E528633	1.00	0.007
		Pyrite 0.5%					
		traces of pyrite					
252.00	253.00	Py00.5	252.00	253.00	E528634	1.00	<0.005
		Pyrite 0.5%					
		traces of pyrite					
253.00	254.00	Py00.5	253.00	254.00	E528635	1.00	0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
253.60	456.00	V4; Mass; Por					
		Trachyte 60°; Massive; Porphyritic					
		Dark green to grey mafic trachyte flow, fine grained, localized whitish felspath phenos and spotty calcite. The felspath phenos are irregulary disseminated and // to the intermittant weak foliation 30-40 dtca.The unit is intersect by mumerous reddish-whitish quartz-ankerite or calcite veins and veinlets. It's altered to calcite (strongly in veins), moderate chlorite, euhedral and fine grained magnetite throughout. The unit is mineralized traces to 0.5% euhedral pyrite. The lower unit 453-456 has green spots parallel to CA					
254.00	261.00	Ca03; Cl03; Ank01; Ank					
		Calcite 3; Chlorite 3; Ankerite 1; Ankerite					
		Strong calcite-chlorite alteration. weak intermittant ankerite					
254.00	255.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
254.00	295.50	Vn;5%;Ca Qak Cl;In;50°;Py00.2 Cp00.2;	254.00	255.00	E528636	1.00	0.006
		vein (5 mm - 10 cm) 5% calcite quartz-ankerite chlorite infilled fractures 50° Pyrite					
		0.2% Chalcopyrite 0.2%					
		Infilled calcite quartz-ankerite veins0.5-10cm					
255.00	256.00	Py00.1	255.00	256.00	E528637	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
256.00	257.00	Py00.1; Mg00.5	256.00	257.00	E528638	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					

Description			Assay				
			From	To	Sample number	Length	AuBest
257.00	258.00	Py00.1; Mg01	257.00	258.00	E528639	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
258.00	259.00	Py00.1; Py01	258.00	259.00	E528640	1.00	<0.005
		Pyrite 0.1%; Pyrite 1%					
		traces of pyrite, euhedral magnetite					
259.00	260.00	Py00.1; Mg00.5	259.00	260.00	E528641	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
260.00	261.00	Py00.1; Mg00.5	260.00	261.00	E528642	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
261.00	312.00	Ca03; Cl02; Se01	261.00	262.00	E528643	1.00	0.286
		Calcite 3; Chlorite 2; Sericite 1					
		Moderate to strong calcite-chlorite alteration, spotty sericite					
261.00	262.00	Py00.1; Mg00.5					
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
262.00	263.00	Py00.1; Mg00.5	262.00	263.00	E528644	1.00	0.009
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
263.00	264.00	Py00.2; Mg00.5	263.00	264.00	E528645	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
264.00	265.00	Py00.7; Mg00.5	264.00	265.00	E528646	1.00	<0.005
		Pyrite 0.7%; Magnetite 0.5%					
		euhedral and fine grained pyrite, traces of chalcopyrite. magnetite					
265.00	266.00	Py00.5	265.00	266.00	E528647	1.00	<0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite, euhedral magnetite disseminated					
266.00	267.00	Py00.2	266.00	267.00	E528648	1.00	<0.005
		Pyrite 0.2%					
		Euhedral and fine grained pyrite in veins					
267.00	268.00	Py00.2	267.00	268.00	E528649	1.00	0.034
		Pyrite 0.2%					
		euhedral in pyrite in veins					
268.00	269.00	Py00.2	268.00	269.00	E528652	1.00	0.022
		Pyrite 0.2%					
		traces of pyrite					
269.00	270.00	Py00.5	269.00	270.00	E528653	1.00	0.053

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		euhedral and fine grained pyrite in veins					
270.00	271.00	Py00.2	270.00	271.00	E528654	1.00	0.031
		Pyrite 0.2%					
		fine grained pyrite disseminated or in veins					
271.00	272.00	Py00.5	271.00	272.00	E528655	1.00	<0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
272.00	273.00	Py00.5	272.00	273.00	E528656	1.00	0.01
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
273.00	274.00	Py00.1; Mg00.5	273.00	274.00	E528657	1.00	0.016
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
274.00	275.00	Py00.1; Mg00.5	274.00	275.00	E528658	1.00	0.015
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
275.00	276.00	Py00.1; Mg00.5	275.00	276.00	E528659	1.00	0.041
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
276.00	277.00	Py00.1; Mg01	276.00	277.00	E528660	1.00	0.053
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
277.00	278.00	Py00.1; Mg01	277.00	278.00	E528661	1.00	0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
278.00	279.00	Py00.1; Mg01	278.00	279.00	E528662	1.00	0.024
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
279.00	280.00	Py00.1; Py00.5	279.00	280.00	E528663	1.00	0.062
		Pyrite 0.1%; Pyrite 0.5%					
		traces of pyrite, euhedral magnetite					
280.00	281.00	Py00.1; Mg01	280.00	281.00	E528664	1.00	0.027
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
281.00	282.00	Py00.1; Mg01	281.00	282.00	E528665	1.00	0.119
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
282.00	283.00	Py00.2; Mg01	282.00	283.00	E528666	1.00	<0.005
		Pyrite 0.2%; Magnetite 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite in veins, euhedral magnetite					
283.00	284.00	Py00.1; Mg00.5	283.00	284.00	E528667	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
284.00	285.00	Py00.1; Py00.5	284.00	285.00	E528668	1.00	<0.005
		Pyrite 0.1%; Pyrite 0.5%					
		traces of pyrite, euhedral magnetite					
285.00	286.00	Py00.1; Mg00.5	285.00	286.00	E528669	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
286.00	287.00	Py00.1; Mg00.5	286.00	287.00	E528670	1.00	0.014
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
287.00	288.00	Py00.2; Mg00.5	287.00	288.00	E528671	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
288.00	289.00	Py00.2; Mg01	288.00	289.00	E528672	1.00	0.008
		Pyrite 0.2%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
289.00	290.00	Py00.2; Mg00.5	289.00	290.00	E528673	1.00	0.044
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
290.00	291.00	Py00.5	290.00	291.00	E528674	1.00	0.539
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated.					
291.00	292.00	Py00.5; Mg00.5	291.00	292.00	E528677	1.00	0.047
		Pyrite 0.5%; Magnetite 0.5%					
		euhedral and fine grained pyrite disseminated. Euhedral magnetite					
292.00	293.00	Py00.2; Mg00.5	292.00	293.00	E528678	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
293.00	294.00	Py00.2; Mg00.5	293.00	294.00	E528679	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
294.00	295.00	Py00.1; Mg01	294.00	295.00	E528680	1.00	0.016
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral magnetite					
295.00	296.00	Py00.1; Mg00.5	295.00	296.00	E528681	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					

Description			Assay				
			From	To	Sample number	Length	AuBest
296.00	297.00	Py00.1; Mg00.5	296.00	297.00	E528682	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite					
297.00	298.00	Py00.1	297.00	298.00	E528683	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
298.00	299.00	Py00.5	298.00	299.00	E528684	1.00	<0.005
		Pyrite 0.5%					
		traces of pyrite					
299.00	300.00	Py00.1	299.00	300.00	E528685	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
300.00	301.00	Py00.1	300.00	301.00	E528686	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
301.00	302.00	Py00.1	301.00	302.00	E528687	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
302.00	303.00	Py00.1	302.00	303.00	E528688	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
303.00	304.00	Py00.1	303.00	304.00	E528689	1.00	0.006
		Pyrite 0.1%					
		traces of pyrite					
304.00	305.00	Py00.2	304.00	305.00	E528690	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
305.00	306.00	Py00.1	305.00	306.00	E528691	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
306.00	307.00	Py00.1	306.00	307.00	E528692	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite, euhedral magnetite					
307.00	308.00	Py00.1	307.00	308.00	E528693	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
308.00	309.00	Py00.1	308.00	309.00	E528694	1.00	0.012
		Pyrite 0.1%					
		traces of pyrite					
309.00	310.00	Py00.5; Mg00.5	309.00	310.00	E528695	1.00	0.022

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%; Magnetite 0.5%					
		euhedral and fine grained pyrite. euhedral magnetite					
310.00	311.00	Py00.5					
		Pyrite 0.5%					
		Euhedral and fine grained pyrite, euhedral magnetite					
310.00	311.00	Vn;2%;Qak;In;5°;;	310.00	311.00	E528696	1.00	0.024
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 5°					
		Quartz ankerite-calcite veins parallel CA					
311.00	312.00	Py00.5	311.00	312.00	E528697	1.00	0.111
		Pyrite 0.5%					
		euhedral and fine grained pyrite.					
312.00	317.00	Ca03; Cl03; Ank01	312.00	313.00	E528698	1.00	0.04
		Calcite 3; Chlorite 3; Ankerite 1					
		Strong calcite chlorite alteration, weak spotty chlorite.					
312.00	313.00	Py00.5					
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
313.00	314.00	Py00.2	313.00	314.00	E528699	1.00	0.017
		Pyrite 0.2%					
		traces pf pyrite in veins					
314.00	315.00	Py00.1	314.00	315.00	E528702	1.00	0.01
		Pyrite 0.1%					
		traces of pyrite					
315.00	316.00	Py00.1	315.00	316.00	E528703	1.00	0.01
		Pyrite 0.1%					
		traces of pyrite					
316.00	317.00	Py00.1	316.00	317.00	E528704	1.00	0.013
		Pyrite 0.1%					
		trace of pyrite					
317.00	351.00	Ca03; Cl03; Se01	317.00	318.00	E528705	1.00	0.036
		Calcite 3; Chlorite 3; Sericite 1					
		Strong pervasive chlorite, moderate to strong calcite, weak spotty ankerite.					
317.00	318.00	Py00.5					
		Pyrite 0.5%					
		closters pyrite disseminated					
318.00	319.00	Py00.2	318.00	319.00	E528706	1.00	0.034
		Pyrite 0.2%					
		traces of pyrite					
319.00	320.00	Py00.5	319.00	320.00	E528707	1.00	0.033
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		euhedral and fine grained pyrite					
320.00	321.00	Py00.5	320.00	321.00	E528708	1.00	0.032
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
321.00	322.00	Py00.5	321.00	322.00	E528709	1.00	0.03
		Pyrite 0.5%					
		Euhedral pyrite disseminated					
322.00	323.00	Py00.2	322.00	323.00	E528710	1.00	0.02
		Pyrite 0.2%					
		traces of pyrite					
323.00	324.00	Py00.2; Mg00.5	323.00	324.00	E528711	1.00	0.006
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite. euhedral and sub euhedral magnetite					
324.00	325.00	Py00.2; Mg00.5	324.00	325.00	E528712	1.00	0.144
		Pyrite 0.2%; Magnetite 0.5%					
		Traces of pyrite, euhedral magnetite disseminated					
325.00	326.00	Py00.2; Mg00.5	325.00	326.00	E528713	1.00	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		Traces of pyrite, euhedral magnetite disseminated					
325.18	325.19	Jt; Gg					
		Joint 60°; Fault gouge					
		joint with greenish fault gouge					
325.50	325.52	Jt; Gg					
		Joint 50°; Fault gouge					
		Joint with fault gouge.					
326.00	450.00	Fln	326.00	327.00	E528714	1.00	<0.005
		Foliation 30°					
		intermittant weak foliation 30-40 DTC					
326.00	327.00	Py00.2; Mg00.5					
		Pyrite 0.2%; Magnetite 0.5%					
		Traces of pyrite, euhedral magnetite disseminated					
327.00	328.00	Py00.1	327.00	328.00	E528715	1.00	<0.005
		Pyrite 0.1%					
		Traces of pyrite, euhedral magnetite disseminated					
328.00	329.00	Py00.1	328.00	329.00	E528716	1.00	<0.005
		Pyrite 0.1%					
		Traces of pyrite					
329.00	330.00	Py00.1	329.00	330.00	E528717	1.00	<0.005
		Pyrite 0.1%					
		Traces of pyrite, euhedral magnetite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
330.00	331.00	Py00.1 **Pyrite 0.1%** Traces of pyrite.	330.00	331.00	E528718	1.00	<0.005
331.00	332.00	Py00.1 **Pyrite 0.1%** Traces of pyrite	331.00	332.00	E528719	1.00	<0.005
332.00	333.00	Py00.1 **Pyrite 0.1%** Traces of pyrite	332.00	333.00	E528720	1.00	<0.005
333.00	334.00	Py00.1 **Pyrite 0.1%** Traces of pyrite	333.00	334.00	E528721	1.00	<0.005
334.00	335.00	Py00.2 **Pyrite 0.2%** Traces of pyrite	334.00	335.00	E528722	1.00	<0.005
335.00	336.00	Py00.1 **Pyrite 0.1%** Traces of pyrite	335.00	336.00	E528723	1.00	<0.005
336.00	337.00	Py00.1; Mg00.5 **Pyrite 0.1%; Magnetite 0.5%** Traces of pyrite, euhedral magnetite disseminated	336.00	337.00	E528724	1.00	<0.005
337.00	338.00	Py00.1; Mg00.5 **Pyrite 0.1%; Magnetite 0.5%** Traces of pyrite, euhedral magnetite disseminated	337.00	338.00	E528727	1.00	<0.005
338.00	339.00	Py00.1; Mg00.5 **Pyrite 0.1%; Magnetite 0.5%** Traces of pyrite. euhedral and sub euhedral pyrite disseminated	338.00	339.00	E528728	1.00	<0.005
339.00	340.00	Py00.1; Cp00.2 **Pyrite 0.1%; Chalcopyrite 0.2%** Traces of pyrite and chalcopyrite	339.00	340.00	E528729	1.00	<0.005
340.00	341.00	Py00.1 **Pyrite 0.1%** traces of pyrite	340.00	341.00	E528730	1.00	<0.005
341.00	342.00	Py00.2 **Pyrite 0.2%** traces of pyrite	341.00	342.00	E528731	1.00	<0.005
342.00	343.00	Py00.2 **Pyrite 0.2%** traces of pyrite	342.00	343.00	E528732	1.00	<0.005
343.00	344.00	Py00.2	343.00	344.00	E528733	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces of pyrite					
344.00	345.00	Py00.1	344.00	345.00	E528734	1.00	<0.005
		Pyrite 0.1%					
		Traces of pyrite					
345.00	346.00	Py00.2	345.00	346.00	E528735	1.00	<0.005
		Pyrite 0.2%					
		traces of euhedral pyrite					
346.00	347.00	Py00.1	346.00	347.00	E528736	1.00	<0.005
		Pyrite 0.1%					
		Traces of pyrite.					
347.00	348.00	Py00.1	347.00	348.00	E528737	1.00	<0.005
		Pyrite 0.1%					
		trace of pyrite					
348.00	349.00	Py00.1	348.00	349.00	E528738	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
349.00	350.00	Py00.1	349.00	350.00	E528739	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
350.00	351.00	Py00.2	350.00	351.00	E528740	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
351.00	355.00	Ca03; Cl03; He01; Se01	351.00	352.00	E528741	1.00	<0.005
		Calcite 3; Chlorite 3; Hematite 1; Sericite 1					
		Strong pervasive chlorite, moderate to strong calcite, weak spotty sericite, intermittant weak hematite					
		specialy in veins					
351.00	352.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
352.00	353.00	Py00.2	352.00	353.00	E528742	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
353.00	354.00	Py00.1; Cp00.1	353.00	354.00	E528743	1.00	0.009
		Pyrite 0.1%; Chalcopyrite 0.1%					
		traces of pyrite and chalcopyrite					
354.00	355.00	Py00.2	354.00	355.00	E528744	1.00	0.005
		Pyrite 0.2%					
		traces of pyrite					
355.00	456.00	Ca03; Cl03; Se01	355.00	356.00	E528745	1.00	0.024

Description			Assay				
			From	To	Sample number	Length	AuBest
		Calcite 3; Chlorite 3; Sericite 1					
		Strong pervasive chlorite, moderate to strong calcite, weak spotty sericite.					
355.00	356.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
356.00	357.00	Py00.2	356.00	357.00	E528746	1.00	0.019
		Pyrite 0.2%					
		traces of pyrite					
357.00	358.00	Py00.5	357.00	358.00	E528747	1.00	0.015
		Pyrite 0.5%					
		euhedral and fine grained py disseminated					
358.00	359.00	Py00.2	358.00	359.00	E528748	1.00	0.01
		Pyrite 0.2%					
		traces of pyrite					
359.00	360.00	Py00.5	359.00	360.00	E528749	1.00	0.011
		Pyrite 0.5%					
		fine grained pyrite disseminated					
360.00	361.00	Py00.5	360.00	361.00	E528752	1.00	0.007
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
361.00	362.00	Py00.5	361.00	362.00	E528753	1.00	<0.005
		Pyrite 0.5%					
		euhedralm pyrite disseminated					
362.00	363.00	Py00.5	362.00	363.00	E528754	1.00	0.011
		Pyrite 0.5%					
		fine grained pyrite disseminated					
363.00	364.00	Py00.5	363.00	364.00	E528755	1.00	0.019
		Pyrite 0.5%					
		fine grained pyrite disseminated					
364.00	365.00	Py00.2	364.00	365.00	E528756	1.00	0.031
		Pyrite 0.2%					
		traces of pyrite					
365.00	366.00	Py00.2	365.00	366.00	E528757	1.00	0.012
		Pyrite 0.2%					
		traces of pyrite					
366.00	367.00	Py00.2	366.00	367.00	E528758	1.00	0.011
		Pyrite 0.2%					
		traces of pyrite					
367.00	368.00	Py00.2	367.00	368.00	E528759	1.00	0.023
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
368.00	369.00	Py00.1	368.00	369.00	E528760	1.00	0.007
		Pyrite 0.1%					
		traces of pyrite					
369.00	370.00	Py00.2	369.00	370.00	E528761	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
370.00	371.00	Py00.1	370.00	371.00	E528762	1.00	0.025
		Pyrite 0.1%					
		traces of pyrite					
371.00	372.00	Py00.2	371.00	372.00	E528763	1.00	0.011
		Pyrite 0.2%					
		traces of pyrite					
372.00	373.00	Py00.2	372.00	373.00	E528764	1.00	0.009
		Pyrite 0.2%					
		traces of pyrite					
373.00	374.00	Py00.2	373.00	374.00	E528765	1.00	0.033
		Pyrite 0.2%					
		traces of pyrite					
374.00	375.00	Py00.1	374.00	375.00	E528766	1.00	0.008
		Pyrite 0.1%					
		traces of pyrite					
375.00	376.00	Py00.1	375.00	376.00	E528767	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
376.00	377.00	Py00.1	376.00	377.00	E528768	1.00	0.006
		Pyrite 0.1%					
		traces of pyrite					
377.00	378.00	Py00.1	377.00	378.00	E528769	1.00	0.03
		Pyrite 0.1%					
		traces of pyrite					
378.00	379.00	Py00.1	378.00	379.00	E528770	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
379.00	380.00	Py00.1	379.00	380.00	E528771	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
380.00	381.00	Py00.2	380.00	381.00	E528772	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
381.00	382.00	Py00.1	381.00	382.00	E528773	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
382.00	383.00	Py00.1	382.00	383.00	E528774	1.00	0.005
		Pyrite 0.1%					
		traces of pyrite					
383.00	384.00	Py00.1	383.00	384.00	E528777	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
384.00	385.00	Py00.2	384.00	385.00	E528778	1.00	<0.005
		Pyrite 0.2%					
		traces of pyrite					
385.00	386.00	Py00.1	385.00	386.00	E528779	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
386.00	387.00	Py00.1	386.00	387.00	E528780	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
387.00	388.00	Py00.1; Mg01	387.00	388.00	E528781	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
388.00	389.00	Py00.1; Mg00.5	388.00	389.00	E528782	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
389.00	390.00	Py00.1; Mg00.5	389.00	390.00	E528783	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
390.00	391.00	Py00.1; Mg00.5	390.00	391.00	E528784	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
391.00	392.00	Py00.1; Mg00.5	391.00	392.00	E528785	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
392.00	393.00	Py00.1; Mg00.5	392.00	393.00	E528786	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
393.00	394.00	Py00.1; Mg00.5	393.00	394.00	E528787	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
394.00	395.00	Py00.1; Mg00.5	394.00	395.00	E528788	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
395.00	396.00	Py00.1; Mg00.5	395.00	396.00	E528789	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
396.00	397.00	Py00.2; Mg01	396.00	397.00	E528790	1.00	<0.005
		Pyrite 0.2%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
397.00	398.00	Py00.1	397.00	398.00	E528791	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
398.00	399.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
398.00	401.00	Vn;3%;Ca Qak;In;20°;;	398.00	399.00	E528792	1.00	<0.005
		vein (5 mm - 10 cm) 3% calcite quartz-ankerite infilled fractures 20°					
		infilled calcite and quartz ankerite veins 1 cm 20-80 dtc					
399.00	400.00	Py00.1	399.00	400.00	E528793	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite.					
400.00	401.00	Py00.1	400.00	401.00	E528794	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
401.00	402.00	Py00.1	401.00	402.00	E528795	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite.					
402.00	403.00	Py00.1	402.00	403.00	E528796	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
403.00	404.00	Py00.1	403.00	404.00	E528797	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
404.00	405.00	Py00.1; Mg00.5	404.00	405.00	E528798	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
405.00	406.00	Py00.1; Mg00.5	405.00	406.00	E528799	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
406.00	407.00	Py00.1; Mg00.5	406.00	407.00	E528802	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite, euhedral and sub euhedral magnetite					
407.00	408.00	Py00.1; Mg01	407.00	408.00	E528803	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
408.00	409.00	Py00.1; Mg01	408.00	409.00	E528804	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
409.00	410.00	Py00.1; Mg00.5	409.00	410.00	E528805	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite					
410.00	411.00	Py00.1; Mg00.5	410.00	411.00	E528806	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite.					
411.00	412.00	Py00.1; Mg00.5	411.00	412.00	E528807	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite.					
412.00	413.00	Py00.2					
		Pyrite 0.2%					
		traces of pyrite, euhedral and sub euhedral magnetite					
412.00	429.00	Vn;3%;Qak Ca;In;40°;;	412.00	413.00	E528808	1.00	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite calcite infilled fractures 40°					
		Infilled quartz-ankerite veins 1-2 cm					
413.00	414.00	Py00.1; Mg00.5	413.00	414.00	E528809	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
414.00	415.00	Py00.1	414.00	415.00	E528810	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
415.00	416.00	Py00.1	415.00	416.00	E528811	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
416.00	417.00	Py00.1	416.00	417.00	E528812	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
417.00	418.00	Py00.1	417.00	418.00	E528813	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
418.00	419.00	Py00.1	418.00	419.00	E528814	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
419.00	420.00	Py00.1 **Pyrite 0.1%** traces of pyrite	419.00	420.00	E528815	1.00	<0.005
420.00	421.00	Py00.1 **Pyrite 0.1%** traces of pyrite	420.00	421.00	E528816	1.00	<0.005
421.00	422.00	Py00.1 **Pyrite 0.1%** traces of pyrite	421.00	422.00	E528817	1.00	<0.005
422.00	423.00	Py00.1 **Pyrite 0.1%** traces of pyrite	422.00	423.00	E528818	1.00	0.006
423.00	424.00	Py00.1 **Pyrite 0.1%** traces of pyrite	423.00	424.00	E528819	1.00	0.026
424.00	425.00	Py00.1 **Pyrite 0.1%** traces of pyrite	424.00	425.00	E528820	1.00	0.048
425.00	426.00	Py00.1 **Pyrite 0.1%** traces of pyrite	425.00	426.00	E528821	1.00	<0.005
426.00	427.00	Py00.1 **Pyrite 0.1%** traces of pyrite	426.00	427.00	E528822	1.00	0.024
427.00	428.00	Py00.1 **Pyrite 0.1%** traces of pyrite	427.00	428.00	E528823	1.00	0.067
428.00	429.00	Py00.1 **Pyrite 0.1%** traces of pyrite	428.00	429.00	E528824	1.00	0.014
429.00	430.00	Py00.1 **Pyrite 0.1%** traces of pyrite	429.00	430.00	E528827	1.00	0.008
430.00	431.00	Py00.5 **Pyrite 0.5%** traces of pyrite	430.00	431.00	E528828	1.00	<0.005
431.00	432.00	Py00.5 **Pyrite 0.5%** traces of pyrite	431.00	432.00	E528829	1.00	<0.005
432.00	433.00	Py00.1	432.00	433.00	E528830	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
433.00	434.00	Py00.1	433.00	434.00	E528831	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
434.00	435.00	Py00.1	434.00	435.00	E528832	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
435.00	436.00	Py00.1	435.00	436.00	E528833	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
436.00	437.00	Py00.1; Mg00.5	436.00	437.00	E528834	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
436.60	437.20	Vn;5%;Qac;In;40°;Py00.5;					
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite infilled fractures 40° Pyrite 0.5%					
		3-4 cm quartz-ankerite-chlorite 30-60 dtca euhedral pyrite disseminated					
437.00	438.00	Py00.1; Mg00.5	437.00	438.00	E528835	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
438.00	439.00	Py00.1; Mg01	438.00	439.00	E528836	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
439.00	440.00	Py00.1; Mg01	439.00	440.00	E528837	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
440.00	441.00	Py00.1; Mg00.1	440.00	441.00	E528838	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
441.00	442.00	Py00.1; Mg01	441.00	442.00	E528839	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
441.40	441.60	Vn;5%;Qac;In;30°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite infilled fractures 30°					
		infilled fractures quartz-ankerite-chlorite vein.					
442.00	443.00	Py00.1; Mg01	442.00	443.00	E528840	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
443.00	444.00	Py00.1; Mg01	443.00	444.00	E528841	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite, euhedral and sub euhedral magnetite					
444.00	445.00	Py00.1; Mg01	444.00	445.00	E528842	1.00	<0.005
		Pyrite 0.1%; Magnetite 1%					
		traces of pyrite, euhedral and sub euhedral magnetite					
445.00	446.00	Py00.1; Mg00.5	445.00	446.00	E528843	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
446.00	447.00	Py00.1; Mg00.5	446.00	447.00	E528844	1.00	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral and sub euhedral magnetite					
447.00	448.00	Py00.1	447.00	448.00	E528845	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
448.00	449.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
448.00	450.00	Vn;5%;Qak;In;70°;;	448.00	449.00	E528846	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70°					
		infilled quartz-ankerite veins and veinlets.					
449.00	450.00	Py00.1	449.00	450.00	E528847	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
450.00	451.00	Py00.1	450.00	451.00	E528848	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
451.00	452.00	Py00.1	451.00	452.00	E528849	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
452.00	453.00	Py00.1	452.00	453.00	E528852	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
453.00	454.00	Py00.1	453.00	454.00	E528853	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
454.00	455.00	Py00.1	454.00	455.00	E528854	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
455.00	456.00	Py00.1	455.00	456.00	E528855	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
455.90	456.00	Vn;5%;Qca Qak;In;50°;; **vein (5 mm - 10 cm) 5% quartz-calcite quartz-ankerite infilled fractures 50°** 2-3 cm quartz-calcite; quartz-ankerite veins					
456.00	**End of DDH** **Number of samples: 424** **Number of QAQC samples: 38** **Total sampled length: 409.75**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_38

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Ciara Cooke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	26/02/2014	Description date:	05/03/2014
		To:	04/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 495.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,743.135
North	0.0	0.000	5,331,402.389
Elevation	0.0	0.000	344.104

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	45.00	356.9°	-50.4°	No	Mag:56629; Data from Frank Ploeger
ReflexEZS	105.00	357.4°	-50.6°	No	Mag:55555; Data from Frank Ploeger
ReflexEZS	162.00	359.3°	-50.6°	No	Mag:56646; Data from Frank Ploeger
ReflexEZS	225.00	0.0°	-50.9°	No	Mag:56603; Data from Frank Ploeger
ReflexEZS	288.00	0.1°	-51.2°	No	Mag:54512; Data from Frank Ploeger
ReflexEZS	348.00	359.0°	-50.1°	No	Mag:55230; Data from Frank Ploeger
ReflexEZS	408.00	355.5°	-47.9°	No	Mag = 55346
ReflexEZS	465.00	352.0°	-47.4°	No	Mag = 55548

Description

Sample series change at 328m from I279000 to N422801. Logging completed on March 11 2014. Re-Log completed in July 2014.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	26.00	OVB **Overburden** Casing and overburden.					
26.00	99.21	V4; Per **Trachyte; PERLITIC** Med greyish-red trachyte. Glassy with perlitic texture. Pervasive potassic alteration with moderate to strong ankerite alteration throughout microfracture stockwork - between glassy concentric fractures. Localized chl-magnetite microfracture stockwork btw glassy potassic altered trachytic fragments. Isolated flow tops and chill margins with selective hyaloclastites - chl-magnetite-ankerite altered with sharp but irregular ctcs. Selective pale purple to greyish qtz veining at flow top margins. 0.05 - 6 pct f-mg euhedral py conc within fracture-controlled ankerite and clustered within microfractures and stockworks. Isolated traces of chalco and moly within late stage cross-cutting qtz-ankerite veining. Isolated stockwork of conc molybdenite up to 2pct.					
26.00	36.40	FTH **Flow Top/Hyaloclastite** Approx 15 pct dk green to greyish-black flow top chill margins within glassy trachytic unit. Potassic-ankerite altered trachyte fragmented within a chl-magnetite altered groundmass. Sharp but irregular ctcs. Hyaloclastites. Irregular qtz-ankerite veinlets.					
26.00	99.21	K03; Ank02; Mgt02; Cl02 **Potassic 3; Ankerite 2; Magnetite 2; Chlorite 2** Strong pervasive potassic alteration with moderate to strong ankeritization within microfractures - in btw glassy trachyte fragments. Isolated patches of dk grey to greenish-black chl and magnetite alteration within quenched flow top units and also in btw glassy trachyte fragments.	26.00	27.00	I278638	1.00	0.23
26.00	27.00	Py01 **Pyrite 1%** F-mg euhedral py conc within chloritic microfractures and disseminated within silicified patches. Localized py stringers.					
27.00	27.83	Py02 **Pyrite 2%** F-mg euhedral py conc within chloritic microfractures and disseminated within silicified wall rock.	27.00	27.83	I278639	0.83	0.386
27.83	28.83	Py01.5 **Pyrite 1.5%** F-mg euhedral py disseminated within silicified rock and concentrated along microfractures and within chloritic seams.	27.83	28.83	I278640	1.00	0.246
28.83	30.80	Py01 **Pyrite 1%** F-mg euhedral py disseminated within silicified patches and chloritic material. Clustered along microfractures.	28.83 29.91 30.80	29.91 30.80 31.79	I278641 I278642 I278643	1.08 0.89 0.99	0.329 0.158 0.011
31.79	32.34	Py00.5 **Pyrite 0.5%** F-mg euhedral py clustered along microfractures. Localized chl infilled pressure shadows.	31.79	32.34	I278644	0.55	0.054

Description			Assay				
			From	To	Sample number	Length	AuBest
32.34	33.44	Py01 **Pyrite 1%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractures and chloritic seams.	32.34	33.00	I278645	0.66	0.062
			33.00	33.96	I278646	0.96	0.07
33.44	33.96	Py01 **Pyrite 1%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.					
33.90	42.56	Vn;3%;Sgq;Ra;;; **vein (5 mm - 10 cm) 3% smoky grey quartz random** Pale to med purple-grey translucent qtz veining. Irregular and fragmented with pervasive stockwork fracturing of qtz.					
33.96	36.00	Py02 **Pyrite 2%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.	33.96	35.17	I278647	1.21	0.083
			35.17	36.00	I278648	0.83	0.104
36.00	36.46	Py03 **Pyrite 3%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.	36.00	36.46	I278649	0.46	0.125
36.46	37.00	Py02 **Pyrite 2%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.	36.46	37.00	I278652	0.54	0.117
37.00	38.00	Py04 **Pyrite 4%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.	37.00	38.00	I278653	1.00	0.131
38.00	41.00	Py05 **Pyrite 5%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork. Few large grey brecciated qtz veins appear to be barren.	38.00	39.00	I278654	1.00	0.149
			39.00	40.00	I278655	1.00	0.358
			40.00	41.00	I278656	1.00	0.306
41.00	44.00	Py04 **Pyrite 4%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.	41.00	42.00	I278657	1.00	0.254
			42.00	43.07	I278658	1.07	0.791
			43.07	44.00	I278659	0.93	0.388
44.00	45.00	Py02 **Pyrite 2%** Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.	44.00	45.00	I278660	1.00	0.715

Description			Assay				
			From	To	Sample number	Length	AuBest
45.00	48.00	Py03	45.00	46.00	I278661	1.00	0.598
		Pyrite 3%	46.00	47.00	I278662	1.00	0.487
		Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.	47.00	48.00	I278663	1.00	0.261
48.00	49.00	Py02	48.00	49.00	I278664	1.00	0.243
		Pyrite 2%					
		Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.					
49.00	49.65	Py01	49.00	49.65	I278665	0.65	0.046
		Pyrite 1%					
		Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.					
49.65	50.00	Py00.1; Cp00.01	49.65	50.00	I278666	0.35	0.503
		Pyrite 0.1%; Chalcopyrite 0.01%					
		Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork. Associated with chloritic seams. Trace vein associated chalcopyrite.					
50.00	52.00	Py00.5	50.00	51.00	I278667	1.00	0.066
		Pyrite 0.5%	51.00	52.00	I278668	1.00	0.281
		Very fine to fg euhedral py clustered along microfractured stockwork.					
52.00	54.00	Py00.5	52.00	53.00	I278669	1.00	0.163
		Pyrite 0.5%	53.00	54.00	I278670	1.00	0.169
		0.5-1 pct very fine to fg euhedral py clustered along microfractured stockwork.					
53.40	54.50	FTH					
		Flow Top/Hyaloclastite 60°					
		Approx 45 pct med green to greyish flow top chill margins within glassy trachytic unit. Chl altered groundmass with trace magnetite. Sharp but irregular ctcs. Hyaloclastites. Minor qtz-ankerite veinlets. Pervasive foliation.					
54.00	54.45	Py00.05	54.00	54.45	I278671	0.45	0.044
		Pyrite 0.05%					
		Traces of very fine to fg euhedral py within microfractured stockwork.					
54.45	55.00	Py01	54.45	55.00	I278672	0.55	0.304
		Pyrite 1%					
		Very fine to fg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.					
55.00	55.87	Py01.5	55.00	55.87	I278673	0.87	1.93
		Pyrite 1.5%					
		Very fine to mg euhedral py disseminated within silicified patches and clustered along microfractured stockwork.					
55.87	56.62	Py00.2	55.87	56.62	I278674	0.75	0.058
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractured stockwork.					
56.62	57.12	Py00.1	56.62	57.12	I278677	0.50	0.027
		Pyrite 0.1%					
		Very fine to mg euhedral py clustered along chloritic microfractured stockwork.					
57.12	58.00	Py00.5	57.12	58.00	I278678	0.88	0.016
		Pyrite 0.5%					
		Very fine to mg euhedral py clustered along microfractured stockwork and chloritic fractures. Larger py grains showing pressure shadows.					
58.00	59.00	Py00.1	58.00	59.00	I278679	1.00	0.038
		Pyrite 0.1%					
		Very fine to mg euhedral py clustered along microfractured stockwork and chloritic fractures. Larger py grains showing pressure shadows.					
59.00	60.00	Py00.5	59.00	60.00	I278680	1.00	0.01
		Pyrite 0.5%					
		Very fine to mg euhedral py clustered along microfractured stockwork and chloritic fractures. Larger py grains showing pressure shadows.					
60.00	62.00	Py00.05	60.00	61.00	I278681	1.00	0.012
		Pyrite 0.05%	61.00	62.00	I278682	1.00	0.006
		Very fine to fg euhedral py clustered along microfractured stockwork and chloritic fractures.					
62.00	62.75	Py00.1	62.00	62.75	I278683	0.75	0.058
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractured stockwork and chloritic fractures.					
62.75	63.20	Py00.1	62.75	63.20	I278684	0.45	0.011
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractured stockwork and weakly disseminated within silicified rock.					
63.20	64.00	Py01	63.20	64.00	I278685	0.80	0.727
		Pyrite 1%					
		Very fine to fg euhedral py disseminated within silicified rock and clustered along microfractured stockwork.					
64.00	65.00	Py03	64.00	65.00	I278686	1.00	1.585
		Pyrite 3%					
		Very fine to fg euhedral py disseminated within silicified rock and clustered along microfractured stockwork. Few conc seams of py.					
65.00	65.48	Py04	65.00	65.48	I278687	0.48	0.717
		Pyrite 4%					
		Very fine to fg euhedral py disseminated within silicified rock and clustered along microfractured stockwork.					
65.48	67.00	Py00.1	65.48	66.00	I278688	0.52	0.123
		Pyrite 0.1%	66.00	67.00	I278689	1.00	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
		Very fine to fg euhedral py clustered along microfractured stockwork.					
67.00	67.98	Py00.2	67.00	67.98	I278690	0.98	0.054
		Pyrite 0.2%					
		0.2-0.5 pct very fine to fg euhedral py disseminated within silicified rock and clustered along microfractured stockwork.					
67.98	68.82	Py00.2	67.98	68.82	I278691	0.84	0.037
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractured stockwork.					
68.82	69.60	Py00.2	68.82	69.60	I278692	0.78	0.08
		Pyrite 0.2%					
		Very fine to mg euhedral py clustered along microfractured stockwork.					
69.60	70.94	Py01	69.60	70.21	I278693	0.61	0.06
		Pyrite 1%	70.21	70.94	I278694	0.73	0.048
		Very fine to fg euhedral py clustered along microfractured stockwork and within chloritic fractures.					
70.94	71.64	Py01.5	70.94	71.64	I278695	0.70	0.104
		Pyrite 1.5%					
		Very fine to fg euhedral py clustered along microfractured stockwork					
71.64	72.20	Py00.5; Mo00.05; Cp00.05	71.64	72.20	I278696	0.56	0.073
		Pyrite 0.5%; Molybdenite 0.05%; Chalcopyrite 0.05%					
		Very fine to fg euhedral py clustered along microfractured stockwork. Trace clumps of molybdenite and chalcopyrite within qtz veinlets.					
71.75	72.57	Vn;25%;Qak;;;;					
		vein (5 mm - 10 cm) 25% quartz-ankerite					
		White-beige qtz-ankerite veining with orangy-red anhydrite at core. Vein locally brecciating wall rock.					
72.20	73.00	Py01; Cp00.05	72.20	73.00	I278697	0.80	0.078
		Pyrite 1%; Chalcopyrite 0.05%					
		Very fine to mg euhedral py clustered along microfractured stockwork. Trace blebs of chalcopyrite within qtz veinlets.					
73.00	75.00	Py03	73.00	74.00	I278698	1.00	0.667
		Pyrite 3%	74.00	75.00	I278699	1.00	0.859
		Very fine to mg euhedral py clustered along microfractured stockwork.					
75.00	76.19	Py04	75.00	76.19	I278702	1.19	0.785
		Pyrite 4%					
		Very fine to mg euhedral py clustered along microfractured stockwork.					
76.19	77.08	Py01; Cp00.05	76.19	77.08	I278703	0.89	0.175
		Pyrite 1%; Chalcopyrite 0.05%					
		Very fine to mg euhedral py clustered along microfractured stockwork. Trace blebs of chalcopyrite within veining.					
77.08	78.54	Py04; Mo00.05	77.08	78.00	I278704	0.92	0.083
		Pyrite 4%; Molybdenite 0.05%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Very fine to mg euhedral py disseminated within silicified rock and clustered along microfractured stockwork. Trace incl of molybdenite within veinlets.					
77.60	98.60	Vt;2%;Ak;Ra;;;	78.00	78.54	I278705	0.54	0.074
		veinlet (1-5 mm) 2% ankerite random					
		Irregular and locally stockworked thin ankerite veinlets.					
78.54	79.05	Py03; Mo02	78.54	79.05	I278706	0.51	0.16
		Pyrite 3%; Molybdenite 2%					
		Very fine to fg euhedral py clustered along microfractured stockwork. Abundance of fg molybdenite within microfractured stockwork. Py and Mo mineralization appears to be separate.					
79.05	80.00	Py03	79.05	80.00	I278707	0.95	0.098
		Pyrite 3%					
		Very fine to mg euhedral py concentrated in irregular grey patches and clustered along microfractured stockwork.					
80.00	81.00	Py05	80.00	81.00	I278708	1.00	0.59
		Pyrite 5%					
		Very fine to mg euhedral py concentrated in irregular grey patches and clustered along microfractured stockwork.					
81.00	82.80	Py06	81.00	82.00	I278709	1.00	1.52
		Pyrite 6%	82.00	82.80	I278710	0.80	0.421
		Very fine to mg euhedral py concentrated in irregular grey patches and clustered along microfractured stockwork.					
82.80	83.73	Py02.5	82.80	83.73	I278711	0.93	0.148
		Pyrite 2.5%					
		Very fine to mg euhedral py clustered along microfractured stockwork and locally disseminated within silicified rock.					
83.73	84.80	Py04	83.73	84.80	I278712	1.07	0.42
		Pyrite 4%					
		Very fine to mg euhedral py concentrated in irregular grey alteration patches and clustered along microfractured stockwork.					
84.80	85.54	Py02	84.80	85.54	I278713	0.74	0.256
		Pyrite 2%					
		Very fine to mg euhedral py clustered along microfractured stockwork.					
85.54	85.90	Py00.5	85.54	85.90	I278714	0.36	0.031
		Pyrite 0.5%					
		Very fine to mg euhedral py clustered along microfractured stockwork. Greyish beige zone of alteration and brecciation appears unmineralized.					
85.90	88.82	Py03	85.90	87.00	I278715	1.10	0.656
		Pyrite 3%	87.00	88.00	I278716	1.00	0.516
		Very fine to mg euhedral py clustered along microfractured stockwork and conc within irregular greyish alteration patches.	88.00	88.82	I278717	0.82	0.131

Description			Assay				
			From	To	Sample number	Length	AuBest
88.82	89.22	Py02 **Pyrite 2%** Very fine to mg euhedral py clustered along microfractured stockwork and disseminated within chloritic patches.	88.82	89.22	I278718	0.40	0.079
89.22	90.00	Py03 **Pyrite 3%** Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and clustered along microfractured stockwork.	89.22	90.00	I278719	0.78	0.359
89.60	89.90	FTH **Flow Top/Hyaloclastite** Dk green to greyish-black flow top chill margin within glassy trachytic unit. Chl-magnetite altered. Sharp but irregular ctcs. Hyaloclastites. Irregular qtz-ankerite veinlets.					
90.00	91.00	Py04 **Pyrite 4%** Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and clustered along microfractured stockwork.	90.00	91.00	I278720	1.00	0.941
91.00	91.89	Py03 **Pyrite 3%** Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and clustered along microfractured stockwork.	91.00	91.89	I278721	0.89	1.64
91.89	92.57	Py02 **Pyrite 2%** Very fine to mg euhedral py disseminated within silicified rock and clustered along microfractured stockwork.	91.89	92.57	I278722	0.68	0.427
91.90	92.60	V4; Cry; Per **Trachyte; CRYSTALRICH; PERLITIC** Med red potassic altered trachte. Crystal rich with 15 - 20 pct mg purple-greyish subhedral plag phenocrysts. Groundmass is strongly potassic altered with weak to moderate selective ankerite.					
92.57	93.00	Py02.5 **Pyrite 2.5%** Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and silicified patches. Clustered along microfractured stockwork.	92.57	93.00	I278723	0.43	0.773
93.00	94.00	Py03 **Pyrite 3%** Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and silicified patches. Clustered along microfractured stockwork.	93.00	94.00	I278724	1.00	0.717
94.00	95.00	Py02.5 **Pyrite 2.5%** Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and silicified patches. Clustered along microfractured stockwork.	94.00	95.00	I278727	1.00	0.73

Description			Assay				
			From	To	Sample number	Length	AuBest
95.00	97.00	Py01	95.00	95.47	I278728	0.47	0.348
		Pyrite 1%	95.47	96.00	I278729	0.53	0.245
		Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and silicified patches. Clustered along microfractured stockwork.	96.00	97.00	I278730	1.00	0.661
97.00	97.78	Py00.5	97.00	97.78	I278731	0.78	0.941
		Pyrite 0.5%					
		Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and clustered along microfractured stockwork.					
97.78	98.41	Py01	97.78	98.41	I278732	0.63	1.18
		Pyrite 1%					
		Very fine to mg euhedral py disseminated within irregular patches of greyish alteration and clustered along microfractured stockwork.					
98.41	99.21	Py00.5	98.41	99.21	I278733	0.80	0.446
		Pyrite 0.5%					
		0.5-1 pct very fine to mg euhedral py disseminated within irregular patches of greyish alteration and clustered along microfractured stockwork.					
99.21	122.90	V4; Vol					
		Trachyte 40°; VOLCANICLASTIC					
		Volcaniclastic trachyte. Possible sedimentary horizons - granular groundmass with interstitial sericite and traces of possible jasper. Transitional upper contact. Pale greyish-green with isolated red fragments. Moderate to strong ankerite-sericite alteration. Traces of weak interstitial chlorite. Fg crystalline matrix with fine to coarse and angular to rounded fragments with isolated alteration halos. Varying lithologic fragments ranging from glassy red potassic altered trachyte to greyish silicified and mineralized. Locally magnetic sericitized fragments with fg eu-subhedral disseminated magnetite. Trace chrome mica within fg well foliated fragments. Unit appears to be massive with no specific lineation. Trace to 0.5 pct fg euhedral py infilling microfractures.					
		Minor localized brecciation within chloritic fractures at upper ctc.					
99.21	122.90	Ank03; Se02; K02; Mgt02; Cl01	99.21	99.64	I278734	0.43	0.218
		Ankerite 3; Sericite 2; Potassic 2; Magnetite 2; Chlorite 1					
		Strong selective ankerite alteration. Moderate to strong wispy interstitial sericitization. Isolated fragments with strong potassic alteration. Weak to moderate selectively disseminated magnetite. Weak isolated interstitial chl.					
99.21	99.64	Py00.1					
		Pyrite 0.1%					
		Very fine to mg euhedral py clustered along microfractured stockwork.					
99.50	119.00	Vt;1%;Qak;Ra;;;					
		veinlet (1-5 mm) 1% quartz-ankerite random					
		Thin deep red veinlets. Potassic altered with minor ankerite.					
99.64	102.00	Py00.05	99.64	100.24	I278735	0.60	0.048
		Pyrite 0.05%	100.24	100.64	I278736	0.40	0.014
		Traces of f-mg euhedral py clustered along microfractured stockwork within sericitized patches.	100.64	101.51	I278737	0.87	0.047
		Localized pressure shadows. Pock marks left where py grains have been plucked out.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			101.51	102.00	I278738	0.49	0.01
102.00	104.00	Py00.1	102.00	103.00	I278739	1.00	0.021
		Pyrite 0.1%	103.00	104.00	I278740	1.00	3.12
		Very fine to mg euhedral py clustered along microfractured stockwork within patchy sericitization.					
104.00	105.00	Py00.2	104.00	105.00	I278741	1.00	0.539
		Pyrite 0.2%					
		Very fine to mg euhedral py clustered along microfractured stockwork and disseminated within patchy sericitization.					
105.00	106.18	Py00.1	105.00	106.18	I278742	1.18	0.361
		Pyrite 0.1%					
		Very fine to mg euhedral py disseminated within med to large rounded grey fragments.					
106.18	107.00	Py00.1	106.18	107.00	I278743	0.82	0.404
		Pyrite 0.1%					
		Very fine to mg euhedral py clustered along microfractured stockwork within patchy sericitization.					
107.00	108.00	Py00.5	107.00	108.00	I278744	1.00	1.95
		Pyrite 0.5%					
		0.5-1 pct very fine to mg euhedral py clustered along microfractured stockwork and within irregular patches.					
108.00	116.00	Py00.01	108.00	109.00	I278745	1.00	0.068
		Pyrite 0.01%	109.00	110.00	I278746	1.00	0.079
		Traces of very fine to mg euhedral py clustered along microfractures. Isolated within specific fragments.	110.00	111.00	I278747	1.00	0.021
			111.00	112.00	I278748	1.00	0.013
			112.00	113.10	I278749	1.10	<0.005
			113.10	114.00	I278752	0.90	0.13
			114.00	115.00	I278753	1.00	0.166
			115.00	116.00	I278754	1.00	0.235
116.00	117.00	Py00.05	116.00	117.00	I278755	1.00	0.039
		Pyrite 0.05%					
		Traces of very fine to mg euhedral py clustered along microfractures. Isolated within specific fragments.					
117.00	122.95	Py00.01	117.00	118.10	I278756	1.10	0.047
		Pyrite 0.01%	118.10	119.26	I278757	1.16	0.009
		Traces of very fine to mg euhedral py clustered along microfractures. Isolated within specific fragments.	119.26	120.00	I278758	0.74	<0.005
			120.00	121.00	I278759	1.00	0.019
			121.00	121.51	I278760	0.51	<0.005
			121.51	122.38	I278761	0.87	<0.005
			122.38	122.95	I278762	0.57	0.014
122.60	141.80	Vt;1%;Ak Qak;Ra;;;					

Description			Assay				
			From	To	Sample number	Length	AuBest
		veinlet (1-5 mm) 1% ankerite quartz-ankerite random					
		Greyish-beige ankerite hairlines to veinlets with minor qtz. Irregular. Selective stockworks.					
122.90	165.80	V4; Cry; Lithic					
		Trachyte; CRYSTALRICH; LITHIC					
		Pale-med grey to beige trachyte. Fg crystalline matrix. Porphyritic with f-mg subhedral greyish-white plagioclase replaced phenocrysts. Moderate to strong ankerite alteration and patchy interstitial sericitization. Selective moderate to strong silicification resulting in med grey discolouration and replacement of groundmass. Non magnetic. Fine to coarse and angular lithic fragments of pale beige to dk grey and mineralized. Selective alteration halos surrounding fragments. Unit appears massive with no specific orientation of fragments. 1 to 2 pct greyish-white qtz-ankerite irregular veinlets in stockworks. Selective white-beige bleached patches appear to be barren with respect to mineralization. Weak to moderately mineralized with 0.05 to 0.5 pct fg euhedral py disseminated within greyish silicification and clustered within microfractures. Trace molybdenite within isolated veinlet.					
122.90	185.40	Ank02; Se02; Si02; K01					
		Ankerite 2; Sericite 2; Silica 2; Potassic 1					
		Moderate to strong selective ankerite alteration. Moderate to strong selective interstitial sericitization. Moderate to strong patches of dk grey silicification. Weak isolated patches of potassic alteration.					
122.95	124.00	Py00.05	122.95	124.00	I278763	1.05	0.02
		Pyrite 0.05%					
		Traces of very fine to mg euhedral py clustered along microfractures.					
124.00	125.71	Py00.1	124.00	125.00	I278764	1.00	0.3
		Pyrite 0.1%	125.00	125.71	I278765	0.71	0.033
		Very fine to fg euhedral py clustered along microfractures. Concentrated within specific grey silicified fragments.					
125.71	126.38	Py00.01	125.71	126.38	I278766	0.67	0.037
		Pyrite 0.01%					
		Traces of very fine to mg euhedral py clustered along microfractures. Isolated within specific fragments.					
126.38	128.00	Py00.5	126.38	127.00	I278767	0.62	0.036
		Pyrite 0.5%	127.00	128.00	I278768	1.00	0.043
		Very fine to fg euhedral py clustered along microfractures and disseminated within grey altered rock.					
128.00	129.00	Py00.2	128.00	129.00	I278769	1.00	0.052
		Pyrite 0.2%					
		Very fine to mg euhedral py clustered along microfractures within greyiah altered material.					
129.00	131.00	Py00.5	129.00	130.00	I278770	1.00	0.085
		Pyrite 0.5%	130.00	131.00	I278771	1.00	0.114
		Very fine to fg euhedral py clustered along microfractures and disseminated within grey altered rock.	131.00	132.00	I278772	1.00	0.014
132.00	133.00	Py00.05	132.00	133.00	I278773	1.00	0.091
		Pyrite 0.05%					
		Very fine to fg euhedral py clustered along microfractures within grey altered rock.					
133.00	137.00	Py00.1	133.00	134.00	I278774	1.00	0.04

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%	134.00	135.00	I278777	1.00	0.023
		Very fine to fg euhedral py clustered along microfractures within grey altered rock. White to beige	135.00	136.00	I278778	1.00	1.475
		bleached patches appear to be barren.	136.00	137.00	I278779	1.00	0.053
137.00	138.00	Py00.1; Mo00.05	137.00	138.00	I278780	1.00	0.025
		Pyrite 0.1%; Molybdenite 0.05%					
		0.1-0.2 pct very fine to fg euhedral py clustered along microfractures within grey altered rock. Traces of					
		molybdenite within veinlet.					
138.00	139.00	Py00.1	138.00	139.00	I278781	1.00	0.3
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures within grey altered rock.					
139.00	140.00	Py00.05; Py	139.00	140.00	I278782	1.00	0.017
		Pyrite 0.05%; Pyrite					
		Traces of very fine to fg euhedral py clustered along microfractures within grey altered rock.					
140.00	141.00	Py00.1	140.00	141.00	I278783	1.00	0.039
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures within grey altered rock.					
141.00	141.80	Py00.05	141.00	141.80	I278784	0.80	0.006
		Pyrite 0.05%					
		Traces of very fine to fg euhedral py clustered along microfractures.					
141.80	144.00	Py00.2					
		Pyrite 0.2%					
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and disseminated within grey					
		altered rock.					
141.80	167.50	Vt;3%;Qak;Ra;;;	141.80	143.00	I278785	1.20	0.195
		veinlet (1-5 mm) 3% quartz-ankerite random	143.00	144.00	I278786	1.00	0.22
		Greyish-beige qtz-ankerite irregular veining with selective stockworks. Hairlines to few veins. Isolated					
		weak potassic alteration.					
144.00	145.64	Py00.5	144.00	145.00	I278787	1.00	0.173
		Pyrite 0.5%	145.00	145.64	I278788	0.64	0.171
		Very fine to fg euhedral py clustered along microfractures and disseminated within grey altered rock.					
145.64	146.28	Py00.01	145.64	146.28	I278789	0.64	0.009
		Pyrite 0.01%					
		Traces of very fg euhedral py along microfractures.					
146.28	148.00	Py00.1	146.28	147.00	I278790	0.72	0.031
		Pyrite 0.1%	147.00	148.00	I278791	1.00	0.015
		0.1-0.2 pct very fine to fg euhedral py clustered along microfractures and within grey altered rock.					
148.00	149.00	Py00.1	148.00	149.00	I278792	1.00	0.013
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures and within grey altered rock.					

Description			Assay				
			From	To	Sample number	Length	AuBest
149.00	151.00	Py00.2	149.00	150.00	I278793	1.00	0.013
		Pyrite 0.2%	150.00	151.00	I278794	1.00	0.022
		0.1-0.2 pct very fine to fg euhedral py clustered along microfractures and within grey altered rock.					
151.00	152.00	Py00.2	151.00	152.00	I278795	1.00	0.018
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and within grey altered rock.					
152.00	153.22	Py00.05	152.00	153.22	I278796	1.22	0.027
		Pyrite 0.05%					
		Traces of very fine to fg euhedral py along microfractures.					
153.22	153.77	Py00.2	153.22	153.77	I278797	0.55	0.046
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and within grey altered rock.					
153.77	157.00	Py00.1	153.77	155.00	I278798	1.23	0.014
		Pyrite 0.1%	155.00	156.00	I278799	1.00	0.01
		Very fine to fg euhedral py clustered along microfractures and within grey altered rock.	156.00	157.00	I278802	1.00	0.013
157.00	157.67	Py00.2	157.00	157.67	I278803	0.67	0.146
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and disseminated within grey altered rock.					
157.67	158.93	Py00.1	157.67	158.35	I278804	0.68	0.06
		Pyrite 0.1%	158.35	158.93	I278805	0.58	0.051
		Very fine to mg euhedral py clustered along microfractures.					
158.93	159.71	Py00.2	158.93	159.71	I278806	0.78	0.03
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and disseminated within grey altered rock.					
159.71	160.82	Py00.1	159.71	160.11	I278807	0.40	0.028
		Pyrite 0.1%	160.11	160.82	I278808	0.71	0.018
		Very fine to fg euhedral py clustered along microfractures and disseminated within isoliated grey altered rock fragments.					
160.82	165.10	Py00.2	160.82	162.00	I278809	1.18	0.03
		Pyrite 0.2%	162.00	163.00	I278810	1.00	0.048
		Very fine to fg euhedral py clustered along microfractures.	163.00	164.00	I278811	1.00	0.015
			164.00	165.10	I278812	1.10	0.012
165.10	165.72	Py00.1	165.10	165.72	I278813	0.62	0.273
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures and disseminated within grey alteration.					
165.72	166.66	Py00.1; Cp00.05	165.72	166.66	I278814	0.94	0.022
		Pyrite 0.1%; Chalcopyrite 0.05%					
		Very fine to fg euhedral py clustered along microfractures. Localized bleb of chalcopyrite within qtz vein.					

Description			Assay				
			From	To	Sample number	Length	AuBest
165.80	265.00	V4; Lithic; Vol					
		Trachyte 50°; LITHIC; VOLCANICLASTIC					
		Lithic trachyte. Patchy alteration. Moderate selective ankerite alteration with intermittent greyish silicification and selective patchy potassic alteration. Varying size of lithic fragments from sub-rounded to angular and fine to very coarse. Three common varieties from white-beige ankeritized to brownish-orangy red potassic altered and dk grey silicified. Unit appears to be massive to no specific orientation of fragments. Isolated dk grey silicified fragments are strongly mineralized. Few isolated red potassic altered fragments have fg disseminated py. Larger pumice fragments are amygdaloidal with feldspar re-crystallization. White-beige qtz-ankerite veinlets with localized potassic component clustered in stockworks and selectively cross-cutting phenocrysts with visible displacement. Chloritic features such as veinlets to hairlines and clusters appear to be absent in silicified intervals with a rapid reappearance in zones of potassic alteration. Trace fg to f-mg magnetite grains associated with potassic alteration. Gradational transgression from silicified to potassic altered zones with potassic altered fragments surpassing said boundary for up to 50 cm. Selective sharp ctcs marked with qtz-ankerite veinlets with potassic alteration rims. Relatively consistent mineralization throughout unit ranging from 0.1-0.5 pct py concentrated in isolated fragments as well as clustered along microfractures and fragment edges. Traces of chalcopyrite within veins. Hematite appearing within veins and fractures at 254.75m. Gradational lower ctc with sharp decrease in fragment size down to mms.					
166.66	167.57	Py00.1	166.66	167.57	I278815	0.91	0.017
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures.					
167.50	216.40	Vt;1%;Qak;Ra;;;					
		veinlet (1-5 mm) 1% quartz-ankerite random					
		Greyish-beige qtz-ankerite irregular veining with selective stockworks. Selective potassic alteration.					
167.57	168.62	Py00.05	167.57	168.62	I278816	1.05	0.014
		Pyrite 0.05%					
		Very fine to fg euhedral py along microfractures.					
168.62	182.00	Py00.2	168.62	169.72	I278817	1.10	0.07
		Pyrite 0.2%	169.72	171.00	I278818	1.28	0.072
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and disseminated within grey alteration. Locally conc within isolated fragments.	171.00	172.00	I278819	1.00	0.04
			172.00	173.00	I278820	1.00	0.038
			173.00	174.00	I278821	1.00	0.03
			174.00	175.00	I278822	1.00	0.031
			175.00	176.00	I278823	1.00	0.043
			176.00	177.00	I278824	1.00	0.027
			177.00	178.00	I278827	1.00	0.03
			178.00	179.00	I278828	1.00	0.027
			179.00	180.00	I278829	1.00	0.044
			180.00	181.00	I278830	1.00	0.036

Description			Assay				
			From	To	Sample number	Length	AuBest
			181.00	182.00	I278831	1.00	0.03
182.00	183.00	Py00.1 **Pyrite 0.1%** Very fine to fg euhedral py clustered along microfractures and disseminated within grey alteration. Locally conc within isolated fragments.	182.00	183.00	I278832	1.00	0.026
183.00	185.00	Py00.2 **Pyrite 0.2%** 0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and disseminated within grey alteration. Locally conc within isolated fragments.	183.00	184.00	I278833	1.00	0.033
			184.00	185.00	I278834	1.00	0.036
185.00	186.00	Py00.1 **Pyrite 0.1%** Very fine to fg euhedral py clustered along microfractures and disseminated within grey alteration. Locally conc within isolated fragments.	185.00	186.00	I278835	1.00	0.024
185.40	213.80	K03; Ank02; Si01; Se01 **Potassic 3; Ankerite 2; Silica 1; Sericite 1** Strong selective potassic alteration - Pervasive alteration of selective fragments as well as within groundmass. Moderate selective ankerite alteration. Weak selective silicification. Isolated wispy interstitial sericite.					
186.00	188.00	Py00.2 **Pyrite 0.2%** 0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and disseminated within grey alteration. Locally conc within isolated fragments.	186.00	187.00	I278836	1.00	0.021
			187.00	188.00	I278837	1.00	0.02
188.00	189.00	Py00.5 **Pyrite 0.5%** Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	188.00	189.00	I278838	1.00	0.027
189.00	195.00	Py00.2 **Pyrite 0.2%** 0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	189.00	190.00	I278839	1.00	0.022
			190.00	191.00	I278840	1.00	0.019
			191.00	192.00	I278841	1.00	0.017
			192.00	193.00	I278842	1.00	0.022
			193.00	194.00	I278843	1.00	0.022
			194.00	195.00	I278844	1.00	0.021
195.00	196.00	Py00.2; Cp00.05 **Pyrite 0.2%; Chalcopyrite 0.05%** 0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments. Localized chalcopyrite.	195.00	196.00	I278845	1.00	0.021
196.00	200.00	Py00.2 **Pyrite 0.2%** Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	196.00	196.76	I278846	0.76	0.023
			196.76	197.42	I278847	0.66	0.035
			197.42	198.00	I278848	0.58	0.034

Description			Assay				
			From	To	Sample number	Length	AuBest
			198.00	199.00	I278849	1.00	0.045
			199.00	200.00	I278852	1.00	0.021
200.00	203.00	Py00.2	200.00	201.00	I278853	1.00	0.03
		Pyrite 0.2%	201.00	202.00	I278854	1.00	0.025
		0.2-.05 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	202.00	203.00	I278855	1.00	0.012
203.00	205.92	Py00.2	203.00	204.00	I278856	1.00	0.025
		Pyrite 0.2%	204.00	205.00	I278857	1.00	0.022
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	205.00	205.92	I278858	0.92	0.04
205.92	211.00	Py00.2	205.92	207.00	I278859	1.08	0.023
		Pyrite 0.2%	207.00	208.00	I278860	1.00	0.024
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	208.00	209.00	I278861	1.00	0.056
			209.00	210.00	I278862	1.00	0.189
			210.00	211.00	I278863	1.00	0.103
211.00	212.17	Py00.2	211.00	212.17	I278864	1.17	0.112
		Pyrite 0.2%					
		0.2-0.5 pct f-mg euhedral py clustered along microfractures within chloritic veinlets and clusters as well as locally conc within isolated fragments.					
212.17	213.00	Py00.2	212.17	213.00	I278865	0.83	0.101
		Pyrite 0.2%					
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
213.00	215.00	Py00.2	213.00	213.82	I278866	0.82	0.05
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
213.80	222.35	Si02; Ank02; K02	213.82	215.00	I278867	1.18	0.063
		Silica 2; Ankerite 2; Potassic 2					
		Moderate selective silica-ankerite and potassic alteration.					
215.00	221.74	Py00.2	215.00	216.00	I278868	1.00	0.05
		Pyrite 0.2%	216.00	216.92	I278869	0.92	0.073
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
216.40	216.53	Vn;80%;Ak;Ra;;;					
		vein (5 mm - 10 cm) 80% ankerite random					
		Milky-greyish white ankerite veining.					
216.53	233.95	Vt;2%;Qak;Ra;;;	216.92	217.50	I278870	0.58	0.047
		veinlet (1-5 mm) 2% quartz-ankerite random	217.50	218.30	I278871	0.80	0.049
		Greyish-beige qtz-ankerite irregular veining with selective stockworks. Hairlines to veinlets. Isolated	218.30	219.00	I278872	0.70	0.075

Description			Assay				
			From	To	Sample number	Length	AuBest
		weak potassic alteration.	219.00	220.00	I278873	1.00	0.054
			220.00	221.00	I278874	1.00	0.049
			221.00	221.74	I278877	0.74	0.051
221.74	222.38	Py00.2	221.74	222.38	I278878	0.64	0.061
		Pyrite 0.2%					
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
222.35	227.00	K03; Ank02; Si01					
		Potassic 3; Ankerite 2; Silica 1					
		Strong selective potassic alteration with ankerite and localized weak silicification.					
222.38	223.00	Py00.2; Cp00.05	222.38	223.00	I278879	0.62	0.059
		Pyrite 0.2%; Chalcopyrite 0.05%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments. Traces of vein associated chalcopyrite.					
223.00	228.00	Py00.2	223.00	224.00	I278880	1.00	0.051
		Pyrite 0.2%	224.00	225.00	I278881	1.00	0.046
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	225.00	226.00	I278882	1.00	0.049
			226.00	227.00	I278883	1.00	0.045
227.00	250.00	Ank02; K02; Si01	227.00	228.00	I278884	1.00	0.048
		Ankerite 2; Potassic 2; Silica 1					
		Moderate to strong selective ankerite alteration. Moderate to strong selective potassic alteration. Weak patchy silicification.					
228.00	229.80	Py00.2	228.00	229.00	I278885	1.00	0.046
		Pyrite 0.2%	229.00	229.80	I278886	0.80	0.056
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
229.80	230.41	Py00.2	229.80	230.41	I278887	0.61	0.037
		Pyrite 0.2%					
		0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
230.41	232.00	Py00.2	230.41	231.00	I278888	0.59	0.046
		Pyrite 0.2%	231.00	232.00	I278889	1.00	0.037
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
232.00	232.47	Py00.1	232.00	232.47	I278890	0.47	0.031
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
232.47	234.00	Py00.2	232.47	233.10	I278891	0.63	0.025
		Pyrite 0.2%	233.10	234.00	I278892	0.90	0.023
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					

Description			Assay				
			From	To	Sample number	Length	AuBest
233.95	245.70	Vt;3%;Ak;Ra;;; **veinlet (1-5 mm) 3% ankerite random** Milky-greyish white ankerite veining. Irregular and fragmented. Greyish ankerite-qtz veinlets and hairlines in irregular networks.					
234.00	236.00	Py00.1 **Pyrite 0.1%** Very fine to fg euhedral py along microfractures and locally clustered within isolated fragments.	234.00	235.00	I278893	1.00	0.023
			235.00	236.00	I278894	1.00	0.039
236.00	241.00	Py00.2 **Pyrite 0.2%** Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	236.00	237.00	I278895	1.00	0.057
			237.00	238.00	I278896	1.00	0.039
			238.00	239.00	I278897	1.00	0.057
			239.00	240.00	I278898	1.00	0.05
			240.00	241.00	I278899	1.00	0.055
241.00	242.00	Py00.1 **Pyrite 0.1%** Very fine to fg euhedral py along microfractures and locally conc within isolated fragments.	241.00	242.00	I278902	1.00	0.04
242.00	246.40	Py00.2 **Pyrite 0.2%** Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	242.00	243.00	I278903	1.00	0.064
			243.00	244.00	I278904	1.00	0.045
			244.00	245.00	I278905	1.00	0.077
			245.00	246.00	I278906	1.00	0.095
245.70	254.74	Vt;3%;Qak;Ra;;; **veinlet (1-5 mm) 3% quartz-ankerite random** Med greyish to pinky-red ankerite-qtz veining in hairlines to veins and irregular networks. Isolated potassic alteration. Few criss-crossing chl veinlets.	246.00	246.40	I278907	0.40	0.137
246.40	248.18	Py00.5 **Pyrite 0.5%** 0.5-1 pct very fine to fg euhedral py disseminated within silicified zones and clustered along microfractures.	246.40	247.80	I278908	1.40	0.747
			247.80	248.18	I278909	0.38	0.708
248.18	249.26	Py00.1 **Pyrite 0.1%** Very fine to fg euhedral py clustered along microfractures.	248.18	249.26	I278910	1.08	0.091
249.26	250.00	Py00.2 **Pyrite 0.2%** 0.2-0.5 pct very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.	249.26	250.00	I278911	0.74	0.043
250.00	265.00	K03; Ank02 **Potassic 3; Ankerite 2** Strong potassic alteration with selective moderate to strong ankeritization.	250.00	251.00	I278912	1.00	0.05
			251.00	252.00	I278913	1.00	0.067
250.00	252.00	Py00.2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
252.00	253.00	Py00.1; Cp00.05	252.00	253.00	I278914	1.00	0.055
		Pyrite 0.1%; Chalcopyrite 0.05%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
		Traces of chalcopyrite within weathered chloritic veinlet.					
253.00	254.00	Py00.1	253.00	254.00	I278915	1.00	0.059
		Pyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
254.00	255.00	Py00.1; Cp00.1	254.00	255.00	I278916	1.00	0.06
		Pyrite 0.1%; Chalcopyrite 0.1%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
		Coarse blebs of chalcopyrite together with hematite and chlorite within large ankerite vein.					
254.74	255.00	Vn;30%;Qac;Ra;;;					
		vein (5 mm - 10 cm) 30% quartz-ankerite-chlorite random					
		White to dk green ankerite vein with coarse solid dk green chl and minor greyish qtz. Brecciated coarse angular frags of wall rock.					
255.00	257.54	Py00.2					
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
255.00	258.90	Vt;2%;Qac;Ra;;;	255.00	256.00	I278917	1.00	0.107
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random	256.00	256.81	I278918	0.81	0.069
		Greyish-white to pinky-red ankerite-qtz veining in hairlines to veinlets and irregular networks. Isolated potassic alteration. Few criss-crossing chl veinlets.	256.81	257.54	I278919	0.73	0.064
257.54	258.21	Py00.1	257.54	258.21	I278920	0.67	0.093
		Pyrite 0.1%					
		Very fine to fg euhedral py along microfractures.					
258.21	260.76	Py00.2	258.21	258.93	I278921	0.72	0.062
		Pyrite 0.2%					
		Very fine to fg euhedral py clustered along microfractures and locally conc within isolated fragments.					
258.90	260.00	Vn;7%;Ak;Ra;;;	258.93	259.97	I278922	1.04	0.031
		vein (5 mm - 10 cm) 7% ankerite random	259.97	260.76	I278923	0.79	0.019
		Pinky-red to white ankerite and k-felds veining.					
260.00	272.20	Vt;2%;Qac;Ra;;;					
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random					
		Greyish-white ankerite-qtz veining in irregular networks. Criss-crossing dk green chl veinlets.					
260.76	261.73	Py00.1	260.76	261.73	I278924	0.97	0.039
		Pyrite 0.1%					
		Very fine to fg euhedral py disseminated along microfractures.					
261.73	263.10	Py00.1	261.73	262.40	I278927	0.67	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%	262.40	263.10	I278928	0.70	0.007
		Very fine to fg euhedral py clustered along microfractures.					
263.10	264.21	Py00.05; Cp00.01	263.10	264.21	I278929	1.11	0.013
		Pyrite 0.05%; Chalcopyrite 0.01%					
		Very fine to fg euhedral py along microfractures. Trace chalcopyrite within ankerite veinlet.					
264.21	264.98	Py00.1	264.21	264.98	I278930	0.77	0.014
		Pyrite 0.1%					
		Very fine to fg euhedral py along microfractures.					
264.98	266.00	Py00.05	264.98	266.00	I278931	1.02	0.033
		Pyrite 0.05%					
		Very fine to fg euhedral py along microfractures.					
265.00	294.70	V4; Cry					
		Trachyte 65°; CRYSTALRICH					
		Pale to med greyish green trachytic flow. Fg chloritized groundmass with moderate to strong ankerite and selective sericite. Moderate selective magnetism. 10-20 pct fg to f-mg ankerite and or sericite altered subhedral plag crystals. Weak to moderate lineation - orientation of flow fragments oblique tca. Greyish-beige ankerite veinlets with minor qtz. Selective veinlets and blebs of hematite to 272m. Traces of very fg to mg euhedral py associated with veining. Selective auto-brecciation within flow with ankerite-sericite alteration infilling groundmass. Selective hydrothermal grey qtz vein brecciating wall rock - minor incl of dk green chl and white ankerite.					
265.00	328.00	Ank02; Cl02; Mgt02; Se01					
		Ankerite 2; Chlorite 2; Magnetite 2; Sericite 1					
		Moderate pervasive ankerite alteration. Moderate interstitial chl. Moderate selective magnetism. Weak to moderate interstitial sericite.					
266.00	269.00	Py00.01	266.00	267.00	I278932	1.00	0.011
		Pyrite 0.01%	267.00	268.00	I278933	1.00	<0.005
		Traces of very fine to fg euhedral py within and around veinlets. Large localized clusters of hematite.	268.00	269.00	I278934	1.00	<0.005
269.00	270.00	Py00.05	269.00	270.00	I278935	1.00	0.008
		Pyrite 0.05%	270.00	271.00	I278936	1.00	<0.005
		Traces of very fg to fg euhedral py within and around qtz-carbonate veinlets.	271.00	272.13	I278937	1.13	0.006
272.13	272.60	Py00.01	272.13	272.60	I278938	0.47	<0.005
		Pyrite 0.01%					
		Traces of very fg to fg euhedral py within and around large qtz-carbonate brecciated vein.					
272.20	273.55	Vn;15%;Qac;Ra;;;					
		vein (5 mm - 10 cm) 15% quartz-ankerite-chlorite random					
		Dk greyish qtz with dk green chl and minor white ankerite. Hydrothermal veining with brecciated angular incl of wall rock.					
272.60	273.74	Py00.01; Mo00.05	272.60	273.74	I278939	1.14	<0.005
		Pyrite 0.01%; Molybdenite 0.05%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Traces of very fg to fg euhedral py within and around qtz-carbonate veinlets. Localized clump of molybdenite within qtz-carbonate-chl vein.					
273.55	294.75	Vn;5%;Qak;Ra;;; **vein (5 mm - 10 cm) 5% quartz-ankerite random** Milky-white to greyish qtz-ankerite veining. Hydrothermal with brecciated fragments of wall rock included. Selectively mineralized with f-mg py.					
273.74	275.00	Py00.05 **Pyrite 0.05%** Traces of very fg to fg euhedral py within and around qtz-carbonate veinlets.	273.74	275.00	I278940	1.26	<0.005
275.00	286.00	Py00.01 **Pyrite 0.01%** Traces of very fg to mg euhedral py within and around qtz-carbonate veinlets.	275.00	276.00	I278941	1.00	<0.005
			276.00	277.00	I278942	1.00	<0.005
			277.00	278.00	I278943	1.00	<0.005
			278.00	279.00	I278944	1.00	<0.005
			279.00	280.00	I278945	1.00	0.019
			280.00	281.00	I278946	1.00	0.011
			281.00	282.00	I278947	1.00	<0.005
			282.00	283.00	I278948	1.00	<0.005
			283.00	284.00	I278949	1.00	<0.005
			284.00	285.00	I278952	1.00	<0.005
			285.00	286.00	I278953	1.00	<0.005
286.00	287.00	Py00.05 **Pyrite 0.05%** Very fg to fg euhedral py clustered within qtz-carbonate veining.	286.00	287.00	I278954	1.00	0.005
			287.00	288.00	I278955	1.00	<0.005
288.00	293.00	Py00.01 **Pyrite 0.01%** Traces of very fg to fg euhedral py within and around qtz-carbonate veinlets.	288.00	289.00	I278956	1.00	0.008
			289.00	290.00	I278957	1.00	<0.005
			290.00	291.00	I278958	1.00	<0.005
			291.00	292.00	I278959	1.00	0.008
			292.00	293.00	I278960	1.00	0.005
293.00	295.00	Py00.05 **Pyrite 0.05%** Very fg to fg euhedral py clustered within qtz-carbonate veining.	293.00	294.00	I278961	1.00	<0.005
			294.00	295.00	I278962	1.00	<0.005
294.70	296.54	V4; PyroTuff **Trachyte 50°; PYROCLASTIC (TUFFACEOUS)** Pale to med greyish green pyroclastic trachyte. Fg chloritized groundmass with moderate to strong ankerite and selective sericite. Non magnetic. Pale beige sericite-ankerite altered pumice fragments comprising 15-20 pct. Pumice are fine to med-coarse and angular to lensoidal shaped - weakly elongated in plane of deformation. Traces fg py. Intermittent crystal rich flow unit - fg to f-mg sericite-ankerite altered felds crystals. Sharp ctcs	295.00	295.56	I278963	0.56	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
		btw units.					
295.56	296.44	Py00.01	295.56	296.44	I278964	0.88	<0.005
		Pyrite 0.01%	296.44	297.00	I278965	0.56	<0.005
		Traces of very fg to fg euhedral py within and around qtz-carbonate veinlets.					
296.54	298.90	V4; Cry	297.00	298.00	I278966	1.00	<0.005
		Trachyte 85°; CRYSTALRICH	298.00	298.87	I278967	0.87	<0.005
		Med greyish green trachytic flow. Very fg ankerite-sericite-chl altered groundmass with fg to f-mg disseminated	298.87	300.00	I278968	1.13	0.005
		magnetite. Faintly visible fg to f-mg ankerite and or sericite altered subhedral plag crystals. Upper ctc is sharp					
		and jagged. Lower ctc appears gradational.					
298.90	334.70	V4; PyroTuff	300.00	301.00	I278969	1.00	<0.005
		Trachyte; PYROCLASTIC (TUFFACEOUS)					
		Pale to med grey-green pyroclastic trachyte. Fg chloritized groundmass with moderate to strong ankerite and					
		selective sericite. Selective magnetism. Pale beige sericite-ankerite altered pumice fragments comprising 15-20					
		pct. Pumice are fine to med-coarse and angular to lensoidal shaped - weak selective welding with localized					
		alteration halos. Few isolated ankerite veins to veinlets with isolated qtz and chl. Traces fg py.					
301.00	302.00	Py00.05	301.00	302.00	I278970	1.00	0.175
		Pyrite 0.05%					
		Very fg to fg euhedral py clustered within qtz-carbonate veining.					
301.20	301.60	Vn;15%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 15% quartz-ankerite random					
		Milky-white to beige ankerite-qtz vein and veinlets. Selectively mineralized with fg py.					
302.00	303.00	Py00.01	302.00	303.00	I278971	1.00	<0.005
		Pyrite 0.01%					
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.					
303.00	304.00	Py00.05	303.00	304.00	I278972	1.00	<0.005
		Pyrite 0.05%					
		F-mg euhedral py with chl infilled pressure shadows.					
304.00	309.89	Py00.01	304.00	305.00	I278973	1.00	0.005
		Pyrite 0.01%	305.00	306.00	I278974	1.00	<0.005
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.	306.00	307.00	I278977	1.00	0.006
			307.00	308.16	I278978	1.16	0.014
			308.16	309.26	I278979	1.10	<0.005
			309.26	309.89	I278980	0.63	0.005
309.89	311.00	Py00.05	309.89	311.00	I278981	1.11	0.009
		Pyrite 0.05%					
		Very fg to fg euhedral py disseminated and associated qtz-carbonate veining.					
310.30	313.50	Vt;1%;Qcc;Ra;;;	311.00	312.00	I278982	1.00	<0.005
		veinlet (1-5 mm) 1% quartz-calcite-chlorite random					
		Few grey to dk green qtz-calcite-chl veinlets. Cross cutting eachother as well as pumice fragments.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trace incl of orangy anhydrite.					
312.00	313.00	Py00.01	312.00	313.00	I278983	1.00	<0.005
		Pyrite 0.01%	313.00	314.00	I278984	1.00	<0.005
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.					
314.00	318.00	Py00.01	314.00	315.00	I278985	1.00	<0.005
		Pyrite 0.01%	315.00	316.00	I278986	1.00	<0.005
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.	316.00	317.00	I278987	1.00	<0.005
			317.00	318.00	I278988	1.00	<0.005
			318.00	319.00	I278989	1.00	<0.005
319.00	323.63	Py00.01	319.00	320.00	I278990	1.00	<0.005
		Pyrite 0.01%					
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.					
319.65	319.75	Vn;85%;Qac;Ra;;;	320.00	321.00	I278991	1.00	0.007
		vein (5 mm - 10 cm) 85% quartz-ankerite-chlorite random	321.00	322.00	I278992	1.00	<0.005
		White-beige to dk green ankerite-qtz-chl vein. Fragmented.	322.00	323.00	I278993	1.00	<0.005
			323.00	323.63	I278994	0.63	<0.005
			323.63	324.36	I278995	0.73	<0.005
324.36	331.00	Py00.01	324.36	325.00	I278996	0.64	<0.005
		Pyrite 0.01%	325.00	326.00	I278997	1.00	0.006
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.	326.00	327.00	I278998	1.00	<0.005
			327.00	328.00	I278999	1.00	<0.005
328.00	350.00	Cl02; Mgt02; Ca01; Ank01; Se01	328.00	329.00	N422802	1.00	<0.005
		Chlorite 2; Magnetite 2; Calcite 1; Ankerite 1; Sericite 1	329.00	330.00	N422803	1.00	<0.005
		Moderate pervasive chlorite-magnetite alteration. Weak selective interstitial calcite. Weak selective interstitial ankerite-sericite alteration.	330.00	331.00	N422804	1.00	<0.005
			331.00	332.00	N422805	1.00	0.005
			332.00	333.00	N422806	1.00	0.006
			333.00	334.00	N422807	1.00	0.005
			334.00	334.71	N422808	0.71	0.008
334.70	357.90	V4; Lithic	334.71	335.90	N422809	1.19	0.009
		Trachyte; LITHIC					
		Med to dk greyish-green trachytic flow. Fg strongly chloritized groundmass with disseminated magnetite. Weak selective interstitial calcite alteration. Weak to moderate selective sericite-ankerite alteration. Auto-brecciated flow texture. Isolated large angular pinky-red potassic altered and glassy lithic fragments with mg euhedral plag crystals. Pinky-white calcite veining with orangy-red anhydrite incl . Traces of very fg py. Sharp upper ctc but transitional lower ctc.					
335.15	349.98	Vt;1%;Ca;Ra;;;	335.90	337.00	N422810	1.10	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
		veinlet (1-5 mm) 1% calcite random	337.00	338.00	N422811	1.00	0.006
		Few pinky-white calcite veinlets with red-orangy anhydrite incl.					
338.00	339.00	Py00.01	338.00	339.00	N422812	1.00	0.008
		Pyrite 0.01%	339.00	340.00	N422813	1.00	0.006
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.	340.00	340.53	N422814	0.53	0.007
340.53	342.00	Py00.01	340.53	341.27	N422815	0.74	0.015
		Pyrite 0.01%	341.27	342.00	N422816	0.73	0.008
		Traces of very fg to fg euhedral py associated qtz-carbonate veining.					
342.00	344.00	Py00.05	342.00	343.00	N422817	1.00	0.015
		Pyrite 0.05%	343.00	344.00	N422818	1.00	0.009
		Localized fragments and wispy stringers with conc fg py.					
344.00	345.00	Py00.01	344.00	345.00	N422819	1.00	0.008
		Pyrite 0.01%	345.00	346.00	N422820	1.00	<0.005
		Trace localized fragments and wispy stringers with conc fg py.	346.00	347.00	N422821	1.00	0.011
347.00	349.00	Py00.01	347.00	348.19	N422822	1.19	0.007
		Pyrite 0.01%	348.19	349.00	N422823	0.81	0.007
		Trace localized fragments and wispy stringers with conc fg py.					
349.00	356.00	Py00.05	349.00	350.00	N422824	1.00	0.005
		Pyrite 0.05%					
		0.05-0.1 pct localized fragments and wispy stringers with conc fg py.					
350.00	364.00	Ank02; Cl02; Mgt02; Se01	350.00	351.00	N422827	1.00	0.009
		Ankerite 2; Chlorite 2; Magnetite 2; Sericite 1					
		Moderate selective ankerite alteration. Moderate chl-magnetite alteration. Weak to moderate interstitial					
		sericitization.					
350.50	353.07	Vt;1%;Qac;Ra;;;	351.00	352.00	N422828	1.00	0.013
		veinlet (1-5 mm) 1% quartz-ankerite-chlorite random	352.00	353.00	N422829	1.00	0.011
		Few scattered beige ankerite dominant veinlets.	353.00	354.00	N422830	1.00	0.011
			354.00	355.00	N422831	1.00	0.019
354.30	354.80	Vt;10%;Ca;Ra;;;	355.00	356.00	N422832	1.00	<0.005
		veinlet (1-5 mm) 10% calcite random					
		Brecciated greyish calcite veining.					
356.00	357.00	Py00.01	356.00	357.00	N422833	1.00	0.011
		Pyrite 0.01%					
		Traces of very fg py.					
357.00	358.00	Py00.05	357.00	358.00	N422834	1.00	0.006
		Pyrite 0.05%					
		Fg euhedral py within qtz-carbonate vein.					
357.80	358.00	Vt;35%;Qak;Ra;;;					

Description			Assay				
			From	To	Sample number	Length	AuBest
		veinlet (1-5 mm) 35% quartz-ankerite random					
		Milky greyish-beige ankerite vein with minor qtz.					
357.90	383.95	V4; PyroTuff					
		Trachyte; PYROCLASTIC (TUFFACEOUS)					
		Pale yellowy to grey-green pyroclastic trachyte. Fg groundmass with moderate to strong ankerite-sericite alteration. Non magnetic. Pale beige sericite-ankerite altered pumice fragments comprising 20-25 pct. Pumice are fine to med-coarse and angular to lensoidal shaped - weak selective welding with localized alteration halos. Trace isolated fuchsite alteration. Few isolated ankerite veins to veinlets. Few dk green chloritic veinlets running sub-parallel tca towards lower ctc. Traces fg py in selective stringers.					
358.00	359.00	Py00.01	358.00	359.00	N422835	1.00	0.006
		Pyrite 0.01%					
		Traces of very fg euhedral py.					
359.00	360.00	Py00.01	359.00	360.00	N422836	1.00	<0.005
		Pyrite 0.01%	360.00	360.96	N422837	0.96	<0.005
		Traces of fg euhedral py within qtz-carbonate-chl veinlets.	360.96	362.00	N422838	1.04	0.015
362.00	365.00	Py00.01	362.00	363.00	N422839	1.00	0.032
		Pyrite 0.01%	363.00	363.85	N422840	0.85	0.009
		Traces of fg euhedral py within veinlets or microfractures.	363.85	365.00	N422841	1.15	<0.005
364.00	383.95	Ank03; Se02	365.00	366.00	N422842	1.00	0.009
		Ankerite 3; Sericite 2					
		Strong selective ankerite alteration with moderate interstitial sericitization.					
366.00	367.00	Py00.01	366.00	367.00	N422843	1.00	0.014
		Pyrite 0.01%	367.00	368.00	N422844	1.00	0.011
		Trace clusters of fg euhedral py.					
368.00	369.00	Py00.01	368.00	369.00	N422845	1.00	0.006
		Pyrite 0.01%	369.00	370.00	N422846	1.00	0.006
		Traces of fg euhedral py within veinlets or microfractures.	370.00	371.00	N422847	1.00	0.007
371.00	372.00	Py00.01	371.00	372.00	N422848	1.00	0.012
		Pyrite 0.01%	372.00	373.00	N422849	1.00	0.02
		Traces of fg euhedral py within veinlets or microfractures.	373.00	374.00	N422852	1.00	0.017
374.00	375.00	Py00.01	374.00	375.00	N422853	1.00	<0.005
		Pyrite 0.01%					
		Traces of fg euhedral py within veinlets or microfractures.					
375.00	378.00	Py00.05	375.00	376.00	N422854	1.00	0.01
		Pyrite 0.05%	376.00	377.00	N422855	1.00	0.012
		Fg euhedral py clustered along microfractures and oriented within foliation.	377.00	378.00	N422856	1.00	0.023
			378.00	378.92	N422857	0.92	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
378.50	383.95	Vn;5%;Qak;Ra;;; **vein (5 mm - 10 cm) 5% quartz-ankerite random** Irregular undulating pinky-red potassic dominant with minor qtz and ankerite.					
378.92	379.40	Py00.01 **Pyrite 0.01%** Traces of fg euhedral py associated with veining.	378.92	379.40	N422858	0.48	0.008
379.40	380.24	Py00.05 **Pyrite 0.05%** Fg euhedral py within and around qtz-ankerite-chl veinlets.	379.40	380.24	N422859	0.84	0.038
380.24	382.00	Py00.01 **Pyrite 0.01%** Traces of fg euhedral py.	380.24	381.00	N422860	0.76	0.007
			381.00	382.00	N422861	1.00	0.006
			382.00	383.24	N422862	1.24	0.005
383.24	383.96	Py00.01; Cp00.01 **Pyrite 0.01%; Chalcopyrite 0.01%** Traces of fg euhedral py. Traces of chalcopyrite within veinlet.	383.24	383.96	N422863	0.72	0.035
383.95	435.60	V4; Lithic **Trachyte 45°; LITHIC** Med greenish-purple trachytic flow. Fg potassic-ankerite and chlorite altered groundmass with isolated moderate magnetitsm. Lithic texture with fine to coarse sub-angular to sub-rounded pink to red potassic altered glassy fragments. Isolated fragments altered to same composition as groundmass. Greyish-white to beige ankerite-qtz veining . Traces of very fg py with isolated vein controlled chlaco and moly specs. Sharp upper ctc but transitional lower ctc. Size of lithic clasts greatly decreases with last 3m of unit.					
383.95	435.60	Ank03; K02; Cl02; Mgt02; Se01 **Ankerite 3; Potassic 2; Chlorite 2; Magnetite 2; Sericite 1** Strong selective ankerite alteration. Moderate to strong selective potassic and dk green chl alteration. Moderate isolated magnetism. Trace isolated wispy interstitial sericite.	383.96	384.94	N422864	0.98	0.008
384.94	389.00	Py00.01 **Pyrite 0.01%** Traces of very fine to fg euhedral py associated with veins.	384.94	386.00	N422865	1.06	0.006
			386.00	387.00	N422866	1.00	<0.005
			387.00	388.00	N422867	1.00	0.005
387.05	433.80	Vt;2%;Qak;Ra;;; **veinlet (1-5 mm) 2% quartz-ankerite random** Greyish to white-beige qtz-ankerite veining in irreglar networks as well as isolated veins. Trace incl of moly and chalco within greyish qtz. Isolated incl of dk green chl.	388.00	389.00	N422868	1.00	0.012
			389.00	390.00	N422869	1.00	0.009
			390.00	390.59	N422870	0.59	0.006
			390.59	391.39	N422871	0.80	<0.005
			391.39	392.00	N422872	0.61	0.009
392.00	394.00	Py00.01 **Pyrite 0.01%** Traces of fg euhedral py within veinlets.	392.00	393.00	N422873	1.00	0.005
			393.00	394.00	N422874	1.00	0.008
394.00	395.00	Py00.05	394.00	395.00	N422877	1.00	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.05%					
		F-mg euhedral py clustered within and around qtz-carbonate-chl veinlets.					
395.00	396.00	Py00.01	395.00	396.00	N422878	1.00	0.006
		Pyrite 0.01%	396.00	397.00	N422879	1.00	0.009
		Traces of py and chalcopyrite within veinlets.	397.00	397.90	N422880	0.90	<0.005
			397.90	399.00	N422881	1.10	0.012
			399.00	400.16	N422882	1.16	<0.005
			400.16	401.00	N422883	0.84	<0.005
401.00	402.00	Py00.01	401.00	402.00	N422884	1.00	0.006
		Pyrite 0.01%					
		Traces of fg py and chalcopyrite within veinlets.					
402.00	404.00	Py00.01	402.00	403.00	N422885	1.00	0.007
		Pyrite 0.01%	403.00	404.00	N422886	1.00	0.012
		Trace of fg py associated wtih veinlets.	404.00	405.00	N422887	1.00	0.017
			405.00	406.00	N422888	1.00	0.009
			406.00	407.00	N422889	1.00	0.009
			407.00	408.00	N422890	1.00	0.014
408.00	409.00	Py00.01	408.00	409.00	N422891	1.00	0.021
		Pyrite 0.01%	409.00	410.00	N422892	1.00	0.017
		Trace fg clusters of py.					
410.00	412.00	Py00.01	410.00	411.00	N422893	1.00	<0.005
		Pyrite 0.01%	411.00	412.00	N422894	1.00	<0.005
		Traces of fg euhedral py associated with veinlets.	412.00	412.60	N422895	0.60	<0.005
			412.60	413.48	N422896	0.88	<0.005
413.48	414.28	Py00.01	413.48	414.28	N422897	0.80	<0.005
		Pyrite 0.01%	414.28	414.87	N422898	0.59	<0.005
		Traces of fg to f-mg euhedral py within qtz-carbonate veinlet roughly parallel tca.					
414.87	415.65	Cp00.01	414.87	415.46	N422899	0.59	<0.005
		Chalcopyrite 0.01%	415.46	416.25	N422902	0.79	<0.005
		Traces of chalcopyrite smeared along chloriotic joint.					
416.25	417.00	Py00.01	416.25	417.00	N422903	0.75	0.006
		Pyrite 0.01%	417.00	418.00	N422904	1.00	<0.005
		Traces of very fg euhedral py associated with veining.					
418.00	421.00	Py00.01	418.00	419.00	N422905	1.00	<0.005
		Pyrite 0.01%	419.00	420.00	N422906	1.00	<0.005
		Traces of fg euhedral py within veinlets and locally clustered within isolated fragments.	420.00	421.00	N422907	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			421.00	422.00	N422908	1.00	<0.005
			422.00	423.00	N422909	1.00	<0.005
423.00	424.00	Py00.01	423.00	424.00	N422910	1.00	<0.005
		Pyrite 0.01%	424.00	425.00	N422911	1.00	<0.005
		Traces of fg euhedral py associated with veinlets.					
425.00	428.97	Py00.01	425.00	426.00	N422912	1.00	0.02
		Pyrite 0.01%	426.00	427.20	N422913	1.20	0.021
		Traces of fg euhedral py associated with qtz-carbonate veinlets.	427.20	428.00	N422914	0.80	0.006
			428.00	428.97	N422915	0.97	0.007
			428.97	430.00	N422916	1.03	<0.005
430.00	432.69	Py00.01	430.00	431.00	N422917	1.00	0.009
		Pyrite 0.01%	431.00	431.59	N422918	0.59	0.073
		Traces of fg euhedral py associated with qtz-carbonate-chl veinlets.	431.59	432.69	N422919	1.10	0.141
432.69	434.10	Py00.05	432.69	433.48	N422920	0.79	0.192
		Pyrite 0.05%	433.48	434.10	N422921	0.62	0.098
		Very fine to fg euhedral py disseminated within fg matrix and isolated fragments.					
434.10	435.23	Py00.1	434.10	435.23	N422922	1.13	0.151
		Pyrite 0.1%					
		F-mg euhedral py clustered along microfractures.					
435.23	436.25	Py00.05	435.23	436.25	N422923	1.02	0.006
		Pyrite 0.05%					
		F-mg euhedral py clustered along microfractures.					
435.60	495.00	V4; Fol; Pyro					
		Trachyte 40°; Foliated; PYROCLASTIC					
		Deformed volcanics. Pale greyish to med green pyroclastic trachyte. Fg chl-ankerite groundmass with selective interstitial sericite and disseminated magnetite. Abundance of large mantled porphyroblasts up to 465.5m. Moderate pervasive foliation with sericite attenuated along plane of deformation. Fragments and possible pumice stretched along shear plane forming pseudo-banding. Selective irregular fragments altered to dk green chl. Traces of weak hematite clustered within porphyroblast cores. Minor dk green chl and qtz-ankerite veining. Traces of fg py and vein controlled chalcopyrite.					
435.60	452.00	Ank03; Se02; Cl02					
		Ankerite 3; Sericite 2; Chlorite 2					
		Strong selective ankerite alteration. Moderate interstitial sericite and chl alteration.					
436.25	439.00	Py00.01	436.25	437.00	N422924	0.75	0.039
		Pyrite 0.01%	437.00	438.00	N422925	1.00	0.024
		Traces of f-mg euhedral py.	438.00	439.00	N422926	1.00	0.012
			439.00	440.00	N422927	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			440.00	441.00	N422928	1.00	0.006
			441.00	442.00	N422929	1.00	0.015
442.00	449.00	Py00.01; Cp00.01	442.00	443.00	N422930	1.00	0.006
		Pyrite 0.01%; Chalcopyrite 0.01%					
		Traces of fg euhedral py within rounded fragments or showing hematite or chloritic alteration. Also scattered along foliation. Localized trace blebs of chalcopyrite within carbonate veining.					
442.15	472.00	Vt;;Qac;Vn;;;	443.00	444.00	N422931	1.00	0.01
		veinlet (1-5 mm) quartz-ankerite-chlorite vein parallel to foliation	444.00	445.00	N422932	1.00	0.011
		Few select white-beige ankerite greyish qtz and dk green chlorite veining.	445.00	446.00	N422933	1.00	0.012
			446.00	447.00	N422934	1.00	0.005
			447.00	448.00	N422935	1.00	0.009
			448.00	449.00	N422936	1.00	0.015
449.00	450.00	Py00.05	449.00	450.00	N422937	1.00	0.013
		Pyrite 0.05%					
		Traces of fg euhedral py within rounded fragments and or veining showing hematite or chloritic alteration. Also scattered along foliation.					
450.00	452.00	Py00.01	450.00	451.00	N422938	1.00	0.009
		Pyrite 0.01%	451.00	452.00	N422939	1.00	0.015
		Traces of fg euhedral py within rounded fragments or showing hematite or chloritic alteration. Also scattered along foliation.					
452.00	495.00	Ank02; Cl02; Se01; Mgt01	452.00	453.00	N422940	1.00	0.051
		Ankerite 2; Chlorite 2; Sericite 1; Magnetite 1					
		Moderate to strong selective ankerite alteration. Moderate chlorite. Weak to moderate selective interstitial sericitization. Weak to moderate pervasive magnetism.					
452.00	453.00	Py00.05; Cp00.05					
		Pyrite 0.05%; Chalcopyrite 0.05%					
		Traces of fg euhedral py within rounded fragments or showing hematite or chloritic alteration. Also scattered along foliation. Localized bleb of chalcopyrite within carbonate-chl vien.					
453.00	456.00	Py00.01	453.00	454.00	N422941	1.00	<0.005
		Pyrite 0.01%	454.00	455.00	N422942	1.00	0.007
		Traces of fg euhedral py within rounded fragments or showing hematite or chloritic alteration. Also scattered along foliation.	455.00	456.00	N422943	1.00	0.017
456.00	457.00	Py00.05	456.00	457.00	N422944	1.00	0.014
		Pyrite 0.05%					
		Traces of fg euhedral py within rounded fragments or showing hematite or chloritic alteration. Also scattered along foliation.					
457.00	458.00	Py00.01	457.00	458.00	N422945	1.00	<0.005
		Pyrite 0.01%	458.00	459.00	N422946	1.00	0.006
		Traces of fg euhedral py within rounded fragments or showing hematite or chloritic alteration. Also					

Description			Assay				
			From	To	Sample number	Length	AuBest
		scattered along foliation.					
459.00	460.00	Py00.01	459.00	460.00	N422947	1.00	0.017
		Pyrite 0.01%	460.00	461.00	N422948	1.00	0.034
		Traces of fg euhedral py along foliation and associated with albite-carbonate veining.					
461.00	462.00	Py00.01	461.00	462.00	N422949	1.00	0.01
		Pyrite 0.01%	462.00	463.00	N422952	1.00	0.023
		Traces of fg euhedral py along foliation and fragment boundaries.					
463.00	466.00	Py00.01	463.00	464.00	N422953	1.00	0.01
		Pyrite 0.01%	464.00	465.00	N422954	1.00	0.008
		Traces of fg euhedral py along foliation and fragment boundaries.	465.00	466.00	N422955	1.00	0.01
			466.00	467.00	N422956	1.00	0.015
467.00	469.00	Py00.01	467.00	468.00	N422957	1.00	0.018
		Pyrite 0.01%	468.00	469.00	N422958	1.00	<0.005
		Traces of fg euhedral py along foliation and fragment boundaries.					
469.00	470.00	Py00.05	469.00	470.00	N422959	1.00	0.017
		Pyrite 0.05%					
		Traces of fg euhedral py clustered with chl along foliation and fragment boundaries.					
470.00	471.00	Py00.01	470.00	471.00	N422960	1.00	0.005
		Pyrite 0.01%	471.00	472.00	N422961	1.00	0.01
		Traces of fg euhedral py along foliation and fragment boundaries.					
472.00	478.00	Py00.01	472.00	473.00	N422962	1.00	0.009
		Pyrite 0.01%	473.00	474.00	N422963	1.00	0.008
		Traces of fg euhedral py along foliation and fragment boundaries.	474.00	475.00	N422964	1.00	0.006
			475.00	476.00	N422965	1.00	0.006
			476.00	477.00	N422966	1.00	0.008
			477.00	478.00	N422967	1.00	0.005
			478.00	479.00	N422968	1.00	0.01
479.00	483.00	Py00.01	479.00	480.00	N422969	1.00	0.008
		Pyrite 0.01%	480.00	481.00	N422970	1.00	<0.005
		Traces of fg euhedral py along foliation and fragment boundaries.	481.00	482.00	N422971	1.00	0.006
			482.00	483.00	N422972	1.00	0.007
483.00	484.00	Py00.05	483.00	484.00	N422973	1.00	<0.005
		Pyrite 0.05%					
		F-mg euhedral py clustered with chl along foliation and fragment boundaries.					
484.00	486.00	Py00.01	484.00	485.00	N422974	1.00	<0.005
		Pyrite 0.01%	485.00	486.00	N422977	1.00	<0.005
		Traces of fg euhedral py along foliation and fragment boundaries.	486.00	487.00	N422978	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			487.00	488.00	N422979	1.00	<0.005
488.00	489.00	Py00.01	488.00	489.00	N422980	1.00	0.008
		Pyrite 0.01%	489.00	490.00	N422981	1.00	0.007
		Traces of fg euhedral py along foliation and fragment boundaries.	490.00	491.00	N422982	1.00	0.01
491.00	492.00	Py00.05	491.00	492.00	N422983	1.00	0.011
		Pyrite 0.05%	492.00	493.00	N422984	1.00	0.006
		Fg to f-mg euhedral py clustered along foliation and fragment boundaries.	493.00	494.00	N422985	1.00	0.031
494.00	495.00	Py00.01	494.00	495.00	N422986	1.00	0.008
		Pyrite 0.01%					
		Traces of fg to f-mg euhedral py in cluster with chl along foliation.					
495.00	**End of DDH**						
	Number of samples: 507						
	Number of QAQC samples: 42						
	Total sampled length: 469.00						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_39

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	A Richardson	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	25/02/2014	Description date:	
		To:	02/03/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 464.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,190.630
North	0.0	0.000	5,331,488.759
Elevation	0.0	0.000	337.769

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	65.00	186.9°	-51.2°	No	Mag:55531; Data from Frank Ploeger
ReflexEZS	116.00	189.2°	-51.1°	No	Mag:55696; Data from Frank Ploeger
ReflexEZS	167.00	189.0°	-51.3°	No	Mag:55591; Data from Frank Ploeger
ReflexEZS	218.00	189.5°	-51.3°	No	Mag:55826; Data from Frank Ploeger
ReflexEZS	269.00	191.2°	-50.9°	No	Mag:57020; Data from Frank Ploeger
ReflexEZS	329.00	194.5°	-50.7°	No	Mag:55154; Data from Frank Ploeger
ReflexEZS	389.00	193.8°	-50.8°	No	Mag:54887; Data from Frank Ploeger
ReflexEZS	449.00	196.2°	-51.2°	No	Mag:55213; Data from Frank Ploeger

Description

south of #32/ 37, Biroco Zone,

Relogged by Gilles Kamta
(End 19 juillet 2014)

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	51.88	OVB **Overburden** Casing/Overburden					
51.88	81.20	V4; Per; Fra **Trachyte; PERLITIC; Fractured** Light grey to greyish pink, blotchy coloured. The host as perlitic texture with farcture fill of ankerite, crosscut by numerous hairline quartz stringers (stockwork-like), alteration consist of strong pervasive ankerite, weak patchy silicification, patchy zones of fine grained disseminated pyrite (up to 10% locally). Few (<1%) angular reddish aphanitic siliceous clasts. From 62.55- 71.82 m classy chill margin intensely fractured and broken core, Strongly chloritized, 1-2% gouge, clasts of reddish to whitish aphanitic siliceous material entrained (brecciated) (71.82-90.32) Red, siliceous, variably stockworked by hairline quartz veins. Rare narrow intervals of mafic tuff with reddish clasts entrained. Mineralized by fine to rarer medium pyrite, subhedral to euhedral, disseminated throughout.	51.88	53.00	E528856	1.12	0.218
51.88	62.55	Ank03; K02; Si01; Cl01 **Ankerite 3; Potassic 2; Silica 1; Chlorite 1** Pervasive intense ankerite alteration, moderate pachy silicification, localized dark chlorite hairlines / stringers					
51.88	53.00	Py00.5 **Pyrite 0.5%** fine grained disseminated					
53.00	54.00	Py00.5 **Pyrite 0.5%** fgr dis	53.00	54.00	E528857	1.00	0.207
54.00	55.00	Py01 **Pyrite 1%** fgr dis	54.00	55.00	E528858	1.00	0.696
55.00	56.00	Py01 **Pyrite 1%** fgr dis	55.00	56.00	E528859	1.00	0.374
56.00	57.00	Py00.5 **Pyrite 0.5%** fgr dis	56.00	57.00	E528860	1.00	0.581
57.00	58.00	Py01 **Pyrite 1%** fgr dis	57.00	58.00	E528861	1.00	0.268
58.00	59.00	Py00.5 **Pyrite 0.5%** fgr dis					
58.00	62.00	Vn;1%;Sgq;In;50°;;	58.00	59.00	E528862	1.00	0.402

		Description	Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 1% smoky grey quartz infilled fractures 50°					
		smoky grey quartz 0.5-1 cm 40-70 DTCA					
59.00	60.00	Py00.5	59.00	60.00	E528863	1.00	0.353
		Pyrite 0.5%					
		fgr dis					
60.00	61.00	Py00.5	60.00	61.00	E528864	1.00	0.34
		Pyrite 0.5%					
		.5					
61.00	62.00	Py01	61.00	62.00	E528865	1.00	0.408
		Pyrite 1%					
		fgr dis					
62.00	62.55	Py00.1	62.00	62.55	E528866	0.55	0.281
		Pyrite 0.1%					
		fgr dis					
62.55	72.24	Ank03; K02; Cl02	62.55	63.00	E528867	0.45	0.753
		Ankerite 3; Potassic 2; Chlorite 2					
		Pervasive intense chlorite, moderate to strong potassic, moderate patchy dark chlorite stringers and veinlets					
62.55	71.82	FAZ; Gg; FracZn; Bxh					
		Fault Zone 40°; Fault gouge; Fracture Zone; Breccia healed					
		Intensely fractured and broken core, Strongly chloritized, 1-2% gouge, clasts of reddish to whitish aphanitic siliceous material entrained (brecciated)					
62.55	63.00	Py05					
		Pyrite 5%					
		fgr dis					
63.00	64.00	Py01	63.00	64.00	E528868	1.00	1.15
		Pyrite 1%					
		fgr dis					
64.00	69.00	Py00.5	64.00	65.00	E528869	1.00	0.246
		Pyrite 0.5%	65.00	66.00	E528870	1.00	0.336
		fgr dis	66.00	67.00	E528871	1.00	0.365
			67.00	68.00	E528872	1.00	0.258
			68.00	69.00	E528873	1.00	0.179
69.00	71.00	Py00.1	69.00	70.00	E528874	1.00	1.225
		Pyrite 0.1%	70.00	71.00	E528877	1.00	1.025
		fgr dis					
71.00	71.82	Py00.5	71.00	71.82	E528878	0.82	0.338
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis					
71.82	72.24	Py02	71.82	72.24	E528879	0.42	0.374
		Pyrite 2%					
		fgr dis					
72.24	90.32	K03; Ank03; Cl01; He01	72.24	73.00	E528880	0.76	0.113
		Potassic 3; Ankerite 3; Chlorite 1; Hematite 1					
		Strong pervasive potassic ankerite alteration, spotty chlorite hairlines, spotty hematite					
72.24	73.00	Py00.5					
		Pyrite 0.5%					
		fgr dis					
73.00	75.00	Py00.1	73.00	74.00	E528881	1.00	0.47
		Pyrite 0.1%	74.00	75.00	E528882	1.00	1.005
		fgr dis					
75.00	76.00	Py00.5	75.00	76.00	E528883	1.00	1.655
		Pyrite 0.5%					
		fgr dis pyrite with trace fgr dis chalcopyrite					
76.00	80.66	Py00.5	76.00	77.00	E528884	1.00	1.6
		Pyrite 0.5%	77.00	78.00	E528885	1.00	0.356
		fgr dis	78.00	79.00	E528886	1.00	0.272
			79.00	80.00	E528887	1.00	0.739
			80.00	80.66	E528888	0.66	0.3
80.66	81.20	Py01	80.66	81.20	E528889	0.54	0.857
		Pyrite 1%					
		fgr dis					
81.20	139.00	V4; Pep; Per	81.20	82.00	E528890	0.80	0.223
		Trachyte 70°; PEPERITIC; PERLITIC					
		Greyish red or red peperitic trachyte, with localized perlitic texture with small (<1cm) angular to sub rounded and lineated red to greyish aphanitic clasts (60-70%) throughout. Chloritic matrix (hairlines). Few patchy zones of more intense replacement alteration (albitite?), pervasively stronly ankeritized. patchy moderaly silicifed zones, strong calcite alteration 113-115.50 m. The entire unit is weakly to moderately magnetic. Fine grained disseminated pyrite (trace to a 2%) throughout					
81.20	82.00	Py00.5					
		Pyrite 0.5%					
		fgr dis					
82.00	83.00	Py01	82.00	83.00	E528891	1.00	1.72
		Pyrite 1%					
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
83.00	84.00	Py02	83.00	84.00	E528892	1.00	2.14
		Pyrite 2%					
		fgr dis					
84.00	89.00	Py00.1	84.00	85.00	E528893	1.00	0.922
		Pyrite 0.1%	85.00	86.00	E528894	1.00	0.34
		fgr dis	86.00	87.00	E528895	1.00	0.068
			87.00	88.00	E528896	1.00	0.066
			88.00	89.00	E528897	1.00	0.337
89.00	90.00	Py02	89.00	90.00	E528898	1.00	0.41
		Pyrite 2%					
		fgr dis					
90.00	92.00	Py00.5	90.00	90.32	E528899	0.32	0.205
		Pyrite 0.5%					
		fgr dis					
90.32	113.00	K03; Ank03; Cl02; Si01	90.32	91.00	E528902	0.68	0.03
		Potassic 3; Ankerite 3; Chlorite 2; Silica 1	91.00	92.00	E528903	1.00	0.058
		Strong pervasive potassic ankerite alteration, moderate chlorite hairlines, spotty silica alteration					
92.00	93.00	Py00.2	92.00	93.00	E528904	1.00	0.042
		Pyrite 0.2%					
		fgr dis					
93.00	94.00	Py00.5	93.00	94.00	E528905	1.00	0.503
		Pyrite 0.5%					
		fgr dis					
94.00	98.00	Py00.1	94.00	95.00	E528906	1.00	0.06
		Pyrite 0.1%					
		fgr dis					
95.00	101.00	Vn;2%;Qak;In;40°;Py00.2 Py00.2;	95.00	96.00	E528907	1.00	0.04
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 40° Pyrite 0.2% Pyrite 0.2%	96.00	97.00	E528908	1.00	0.734
		Trace de pyrite et chalcopyrite	97.00	98.00	E528909	1.00	0.719
98.00	99.00	Py00.5	98.00	99.00	E528910	1.00	2.11
		Pyrite 0.5%					
		fgr py and cpy					
99.00	100.00	Py01	99.00	100.00	E528911	1.00	1.08
		Pyrite 1%					
		fgr dis					
100.00	110.00	Py00.1	100.00	101.00	E528912	1.00	0.202
		Pyrite 0.1%	101.00	102.00	E528913	1.00	0.356
		fgr dis	102.00	103.00	E528914	1.00	0.11

Description			Assay				
			From	To	Sample number	Length	AuBest
			103.00	104.00	E528915	1.00	0.084
			104.00	105.00	E528916	1.00	0.082
			105.00	106.00	E528917	1.00	0.836
			106.00	107.00	E528918	1.00	0.061
			107.00	108.00	E528919	1.00	0.044
			108.00	109.00	E528920	1.00	0.581
			109.00	110.00	E528921	1.00	2.11
110.00	111.00	Py01	110.00	111.00	E528922	1.00	0.694
		Pyrite 1%					
		fgr dis					
111.00	124.00	Py00.5	111.00	112.00	E528923	1.00	0.03
		Pyrite 0.5%	112.00	113.00	E528924	1.00	0.108
		fgr dis					
113.00	115.50	Ca03; K03; Si01	113.00	114.00	E528927	1.00	0.045
		Calcite 3; Potassic 3; Silica 1	114.00	115.00	E528928	1.00	0.063
		Strong calcite potassic alteration with spottyb silicification	115.00	116.00	E528929	1.00	0.071
115.50	154.20	Si02; K02; Cl01; He01	116.00	117.00	E528930	1.00	0.067
		Silica 2; Potassic 2; Chlorite 1; Hematite 1	117.00	118.00	E528931	1.00	0.13
		Moderate bto strong pervasive silica-potassic alteration, spotty chlorite and specularite stringers.	118.00	119.00	E528932	1.00	0.049
			119.00	120.00	E528933	1.00	0.064
			120.00	121.00	E528934	1.00	0.436
			121.00	122.00	E528935	1.00	0.092
			122.00	123.00	E528936	1.00	0.112
			123.00	124.00	E528937	1.00	0.315
124.00	126.00	Py01	124.00	125.00	E528938	1.00	27.7
		Pyrite 1%	125.00	126.00	E528939	1.00	1.86
		fgr dis					
126.00	127.00	Py02	126.00	127.00	E528940	1.00	0.255
		Pyrite 2%					
		fgr dis					
127.00	128.00	Py03	127.00	128.00	E528941	1.00	0.872
		Pyrite 3%					
		fgr dis					
128.00	129.00	Py02	128.00	129.00	E528942	1.00	0.16
		Pyrite 2%					
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
129.00	131.00	Py00.5	129.00	130.00	E528943	1.00	0.069
		Pyrite 0.5%	130.00	131.00	E528944	1.00	0.134
		fgr dis					
131.00	132.00	Py01	131.00	132.00	E528945	1.00	0.477
		Pyrite 1%					
		fgr dis					
132.00	133.00	Py02	132.00	133.00	E528946	1.00	0.435
		Pyrite 2%					
		fgr dis					
133.00	135.00	Py00.1	133.00	134.00	E528947	1.00	0.157
		Pyrite 0.1%	134.00	135.00	E528948	1.00	0.036
		fgr dis					
135.00	142.00	Py00.1	135.00	136.00	E528949	1.00	1.33
		Pyrite 0.1%	136.00	137.00	E528952	1.00	3.16
		fgr dis, trace chalcopyrite	137.00	138.00	E528953	1.00	0.885
			138.00	138.54	E528954	0.54	0.468
			138.54	139.00	E528955	0.46	0.232
139.00	154.20	V4; Mass; Per	139.00	140.00	E528956	1.00	0.322
		Trachyte; Massive; PERLITIC	140.00	141.00	E528957	1.00	1.775
		Fine grained, brownish grey massive silicifed altered trachyte with localized perlitic tecture underline by cracks	141.00	142.00	E528958	1.00	1.44
		or micro fractures. the craks are fill of ankerite and localized chloritic and specularite stringers. Crosscut by					
		numerous (<5%) hairline quartz stockwork. The unit is spotty magnetic, strong pervasive ankerite alteration,					
		moderate pervasive potassic-silica alteration. Trace to locally (1-3) fine grained disseminated pyrite, often sub					
		to euhedral. Diffuse upper and lower contacts.					
139.00	140.00	Vn;5%;Sgq Qak;In;30°;;					
		vein (5 mm - 10 cm) 5% smoky grey quartz quartz-ankerite infilled fractures 30°					
		smoky grey and quartz quartz-ankerite veinlets					
142.00	145.00	Py00.5	142.00	143.00	E528959	1.00	1.265
		Pyrite 0.5%	143.00	144.00	E528960	1.00	0.782
		fgr dis	144.00	145.00	E528961	1.00	1.7
145.00	146.00	Py00.1; Cp00.1	145.00	146.00	E528962	1.00	0.357
		Pyrite 0.1%; Chalcopyrite 0.1%					
		fgr dis					
146.00	147.00	Py00.01	146.00	147.00	E528963	1.00	0.301
		Pyrite 0.01%					
		trace fgr dis					
147.00	150.00	Py00.5	147.00	148.00	E528964	1.00	0.096
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis	148.00	149.00	E528965	1.00	0.146
			149.00	150.00	E528966	1.00	0.307
150.00	151.00	Cp00.1; Py00.5	150.00	150.70	E528967	0.70	0.442
		Chalcopyrite 0.1%; Pyrite 0.5%	150.70	151.24	E528968	0.54	0.093
		trace fgr dis					
151.00	151.24	Py00.5; Cp00.1					
		Pyrite 0.5%; Chalcopyrite 0.1%					
		fgr dis					
151.24	154.22	Py00.5	151.24	152.00	E528969	0.76	0.072
		Pyrite 0.5%	152.00	153.00	E528970	1.00	0.335
		trace fgr dis pyritie	153.00	153.70	E528971	0.70	0.083
			153.70	154.22	E528972	0.52	0.453
154.20	168.10	V4; Per; Bx					
		Trachyte 40°; PERLITIC; Brecciated					
		Fine grained he trachyte pinkish with foliation or cracks fill of dark green chlorite, the unit as pink to red subangular fragments up to a few cm in size (0.2-2 cm). Unit is weakly to moderately foliated and crosscut by few narrow chloritic veinlets and few quartz veinlets. alteration consist of moderate to strong pervasive ankerite, moderate pervasive potassic alteration moderate chlorite as stringers veinlets, weak spotty sericite. Pyrite mineralization (traces to 2% fine grained disseminated.					
154.20	156.00	Ank03; Cl03					
		Ankerite 3; Chlorite 3					
		strong ankerite chlorite alteration					
154.20	155.90	Fln					
		Foliation 70°					
		moderate foliation in a chill margin					
154.22	156.00	V4MT					
		Trachyte mafic tuff 50°					
		Dark, very fine grained, strongly chlorititzed, moderately to well foliated trachtic glassy chill margin. localized magnetitie along foliation, intersect by late quartz-ankerite veins, altered to moderate pervasive ankerite, traces of pyrite.					
154.22	164.00	Py00.01; Cp00.01	154.22	155.00	E528973	0.78	0.03
		Pyrite 0.01%; Chalcopyrite 0.01%	155.00	156.00	E528974	1.00	0.14
		trace dis py and cpy					
155.90	168.10	Fln; Bxh					
		Foliation 50°; Breccia healed					
		weak to moderate foliation associate with cracks and elongated fragments					
156.00	167.00	K03; Ank03; Cl02; Se01	156.00	157.00	E528977	1.00	0.153
		Potassic 3; Ankerite 3; Chlorite 2; Sericite 1	157.00	158.00	E528978	1.00	0.256
		Strong potassic-ankerite alteration, stringers-veinlets chlorite, spotty sericite(fractures)	158.00	159.00	E528979	1.00	0.112

Description			Assay				
			From	To	Sample number	Length	AuBest
			159.00	160.00	E528980	1.00	0.093
			160.00	161.00	E528981	1.00	0.546
			161.00	162.00	E528982	1.00	0.109
			162.00	163.00	E528983	1.00	0.169
			163.00	164.00	E528984	1.00	0.104
164.00	165.00	Py00.01; Cp00.01	164.00	165.00	E528985	1.00	0.15
		Pyrite 0.01%; Chalcopyrite 0.01%					
		trace dis py					
165.00	165.65	Py00.01	165.00	165.65	E528986	0.65	0.158
		Pyrite 0.01%					
		fgr dis					
165.65	167.00	Py00.5	165.65	166.00	E528987	0.35	0.142
		Pyrite 0.5%	166.00	167.00	E528988	1.00	0.121
		fgr dis					
167.00	190.30	Ank03; Se02; Cl02; K01	167.00	168.10	E528989	1.10	0.103
		Ankerite 3; Sericite 2; Chlorite 2; Potassic 1					
		Intense ankerite, moderate sericite-chlorite, spotty weak potassic					
167.00	168.00	Py00.7					
		Pyrite 0.7%					
		fine grained pyrite disseminated or in veins					
168.00	175.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
168.10	202.00	V4; Tuff; Pyro					
		Trachyte 50°; TUFF; PYROCLASTIC					
		Med greenish-beige tuffaceous trachyte, Fine grained groundmass with medium to coarse pumice fragments and crystals weakly deformed within foliation. white, beige and pinkish white clasts of trachyte (30%). Foliated moderately, few percent quartz lapilli. Pervasively strong ankeritized, moderatley chloritic. moderate to strong sericite attenuated along foliation, the unite is weakly deformed, pyrite traces to 0.5% disseminated. The upper contact is a glassy chill margin underline byweak foliation with alternated black and white layers locally magnetite @ 154.22-156m.					
168.10	204.00	Fln; Bxh; Jt	168.10	169.00	E528990	0.90	0.143
		Foliation 70°; Breccia healed; Joint	169.00	170.00	E528991	1.00	0.012
		foliation associated with pyroclastite	170.00	171.00	E528992	1.00	0.217
			171.00	172.00	E528993	1.00	0.134
			172.00	173.00	E528994	1.00	0.436
			173.00	174.00	E528995	1.00	0.015
			174.00	175.00	E528996	1.00	0.019

Description			Assay				
			From	To	Sample number	Length	AuBest
175.00	187.00	Py00.01	175.00	176.00	E528997	1.00	0.034
		Pyrite 0.01%	176.00	177.00	E528998	1.00	0.014
		fgr dis	177.00	178.00	E528999	1.00	0.047
			178.00	179.00	I277652	1.00	1.315
			179.00	180.00	I277653	1.00	0.36
			180.00	181.00	I277654	1.00	0.048
			181.00	182.00	I277655	1.00	0.054
			182.00	183.00	I277656	1.00	0.615
			183.00	184.00	I277657	1.00	0.27
			184.00	185.00	I277658	1.00	6.08
			185.00	186.00	I277659	1.00	0.389
			186.00	187.00	I277660	1.00	0.024
187.00	188.00	Cp00.01	187.00	188.00	I277661	1.00	0.149
		Chalcopyrite 0.01%					
		fgr dis					
188.00	194.00	Py00.01	188.00	189.00	I277662	1.00	0.18
		Pyrite 0.01%	189.00	190.00	I277663	1.00	0.028
		fgr dis	190.00	191.00	I277664	1.00	0.035
190.30	201.95	Ank03; K02; Cl; Se01	191.00	192.00	I277665	1.00	0.027
		Ankerite 3; Potassic 2; Chlorite; Sericite 1	192.00	193.00	I277666	1.00	0.049
		Intense pervasive ankerite moderate potassic-chlorite, weak sericite.	193.00	194.00	I277667	1.00	0.024
194.00	202.00	Py00.5	194.00	195.00	I277668	1.00	0.072
		Pyrite 0.5%	195.00	196.00	I277669	1.00	0.042
		fgr dis	196.00	197.00	I277670	1.00	0.034
			197.00	198.00	I277671	1.00	0.068
			198.00	199.00	I277672	1.00	0.031
			199.00	200.00	I277673	1.00	0.031
200.00	202.00	Vt;2%;Ak;In;10°;;	200.00	201.00	I277674	1.00	0.026
		veinlet (1-5 mm) 2% ankerite infilled fractures 10°	201.00	202.00	I277677	1.00	0.313
		ankerite veinlets and stingers					
201.95	281.00	K03; Ank02; Si01; He01					
		Potassic 3; Ankerite 2; Silica 1; Hematite 1					
		Pervasive intense potassic, moderate ankerite, weak spotty silica, trace of hematite					
202.00	326.40	V4; Mass; Per; Cry	202.00	202.75	I277678	0.75	0.173
		Trachyte 70°; Massive; PERLITIC; CRYSTALRICH	202.75	203.40	I277679	0.65	0.065
		Red massive fine grained trachyte flow, the groundmass with dispersed fine translucent crystal(quartz-felspar					

Description			Assay				
			From	To	Sample number	Length	AuBest
		(0.1-0.3 cm) crosscut by hairline to few mm wide quartz-chlorite stockwork, locally up to 10% veins and veinlets. Core is highly fractured (mechanically, mostly along joint planes it would seem), alteration consist of strong potassic alteration moderate pervasive ankerite, weak spotty silicification. It's mineralized traces to 1% pyrite and up to 0.5% chalcopyrite in veins.	203.40	204.00	I277680	0.60	0.045
202.00	204.60	Py00.01 **Pyrite 0.01%** fgr dis					
203.50	207.00	Vn;2%;Qak;In;50°;; **vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 50°** quartz ankerite veins and stockwork veinlets					
204.00	226.00	Bxh; Jt **Breccia healed; Joint 40°** weak	204.00	204.60	I277681	0.60	0.022
204.60	216.00	Py00.5 **Pyrite 0.5%** fgr dis	204.60	205.10	I277682	0.50	0.063
			205.10	206.00	I277683	0.90	0.101
			206.00	207.00	I277684	1.00	0.054
			207.00	208.00	I277685	1.00	0.365
			208.00	209.00	I277686	1.00	0.07
			209.00	210.00	I277687	1.00	6.09
			210.00	211.00	I277688	1.00	0.112
			211.00	212.00	I277689	1.00	0.1
			212.00	213.00	I277690	1.00	0.095
			213.00	214.00	I277691	1.00	0.357
			214.00	215.00	I277692	1.00	0.06
			215.00	216.00	I277693	1.00	0.105
216.00	217.00	Py00.5; Cp00.5 **Pyrite 0.5%; Chalcopyrite 0.5%** fgr dis	216.00	217.00	I277694	1.00	0.169
217.00	218.00	Py00.5 **Pyrite 0.5%** fgr dis	217.00	218.00	I277695	1.00	0.093
218.00	218.72	Py00.01 **Pyrite 0.01%** fgr dis					
218.00	250.00	Vn;5%;Qak;In;;Py00.2 Cp00.2;	218.00	218.72	I277696	0.72	0.04

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures Pyrite 0.2% Chalcopyrite					
		0.2%					
		infilled fracture smokey grey /white quartz ankerite veins, stockworks stringers veinlets					
218.72	219.32	Py00.1; Cp01	218.72	219.32	I277697	0.60	1.72
		Pyrite 0.1%; Chalcopyrite 1%					
		fgr dis pyrite, blebby coarse grained chalcopyrite					
219.32	220.00	Cp00.1; Py00.01	219.32	220.00	I277698	0.68	0.708
		Chalcopyrite 0.1%; Pyrite 0.01%					
		fgr dis pyrite, chalcopyrite mostly along fractures and in veins					
220.00	221.00	Py00.01	220.00	221.00	I277699	1.00	0.282
		Pyrite 0.01%	221.00	222.00	I277702	1.00	0.021
		fine grained disseminated					
222.00	223.00	Py00.01	222.00	223.00	I277703	1.00	0.035
		Pyrite 0.01%					
		fgr dis					
223.00	224.00	Py00.01; Cp00.01	223.00	224.00	I277704	1.00	0.039
		Pyrite 0.01%; Chalcopyrite 0.01%					
		fgr dis					
224.00	225.00	Py00.01	224.00	225.00	I277705	1.00	0.021
		Pyrite 0.01%					
		fgr dis					
225.00	226.00	Py00.01; Cp00.01	225.00	226.00	I277706	1.00	0.039
		Pyrite 0.01%; Chalcopyrite 0.01%					
		fgr dis					
226.00	227.00	Py00.01	226.00	227.00	I277707	1.00	0.23
		Pyrite 0.01%					
		fgr dis					
227.00	228.00	Py00.5	227.00	228.00	I277708	1.00	0.139
		Pyrite 0.5%					
		fgr dis					
228.00	229.00	Py00.01	228.00	229.00	I277709	1.00	0.056
		Pyrite 0.01%					
		fgr dis					
229.00	230.00	Cp00.5; Py00.1	229.00	230.00	I277710	1.00	0.122
		Chalcopyrite 0.5%; Pyrite 0.1%					
		fgr dis					
230.00	231.00	Py00.1	230.00	231.00	I277711	1.00	0.093
		Pyrite 0.1%					
		fgr dis					
231.00	232.00	Py00.5	231.00	232.00	I277712	1.00	0.04

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fgr dis					
232.00	233.00	Py00.1	232.00	233.00	I277713	1.00	0.046
		Pyrite 0.1%					
		fgr dis					
233.00	234.00	Py00.5	233.00	234.00	I277714	1.00	0.742
		Pyrite 0.5%					
		fgr dis					
234.00	235.00	Py00.01; Cp00.01	234.00	235.00	I277715	1.00	0.324
		Pyrite 0.01%; Chalcopyrite 0.01%					
		fgr dis					
235.00	236.00	Py00.01	235.00	236.00	I277716	1.00	0.046
		Pyrite 0.01%					
		fgr dis					
236.00	237.00	Py00.01	236.00	237.00	I277717	1.00	0.016
		Pyrite 0.01%					
		fgr dis					
237.00	238.00	Cp00.5; Py00.01	237.00	238.00	I277718	1.00	0.028
		Chalcopyrite 0.5%; Pyrite 0.01%					
		fgr dis					
238.00	239.00	Py00.01	238.00	239.00	I277719	1.00	0.044
		Pyrite 0.01%					
		fgr dis					
239.00	240.00	Cp00.5; Py00.01	239.00	240.00	I277720	1.00	0.078
		Chalcopyrite 0.5%; Pyrite 0.01%					
		fgr dis pyrite, coarser blebs of chalcopyrite along fractures and veins					
240.00	241.00	Py00.01	240.00	241.00	I277721	1.00	0.019
		Pyrite 0.01%					
		fgr dis					
241.00	242.00	Py00.1	241.00	242.00	I277722	1.00	0.124
		Pyrite 0.1%					
		fgr dis					
242.00	243.00	Py00.01	242.00	243.00	I277723	1.00	0.039
		Pyrite 0.01%					
		fgr dis					
243.00	244.00	Py00.1	243.00	244.00	I277724	1.00	0.111
		Pyrite 0.1%					
		fgr dis					
244.00	249.00	Py00.01	244.00	245.00	I277727	1.00	0.036
		Pyrite 0.01%	245.00	246.00	I277728	1.00	0.027

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis	246.00	247.00	I277729	1.00	0.069
			247.00	248.00	I277730	1.00	0.068
			248.00	249.00	I277731	1.00	0.146
249.00	250.00	Py00.5; Py	249.00	250.00	I277732	1.00	0.141
		Pyrite 0.5%; Pyrite					
		fgr dis					
250.00	251.00	Py01	250.00	251.00	I277733	1.00	0.302
		Pyrite 1%					
		fgr dis					
251.00	252.00	Cp00.01; Py00.5	251.00	252.00	I277734	1.00	0.255
		Chalcopyrite 0.01%; Pyrite 0.5%					
		fgr dis					
252.00	255.00	Py00.5; Cp00.2	252.00	253.00	I277735	1.00	0.882
		Pyrite 0.5%; Chalcopyrite 0.2%	253.00	254.00	I277736	1.00	0.808
		fgr dis, chalcopyrite in veins	254.00	255.00	I277737	1.00	0.849
255.00	259.00	Py00.5	255.00	256.00	I277738	1.00	1.005
		Pyrite 0.5%	256.00	257.00	I277739	1.00	0.887
		fgr dis	257.00	258.00	I277740	1.00	0.331
			258.00	259.00	I277741	1.00	0.285
259.00	260.00	Py00.5; Cp00.1	259.00	260.00	I277742	1.00	0.118
		Pyrite 0.5%; Chalcopyrite 0.1%					
		fgr dis, chalcopyrite in veins					
260.00	262.00	Py00.5; Cp00.1					
		Pyrite 0.5%; Chalcopyrite 0.1%					
		fgr dis cpy py					
260.00	277.00	Vt;3%;Qak;In;50°;Cp00.2;	260.00	261.00	I277743	1.00	0.334
		veinlet (1-5 mm) 3% quartz-ankerite infilled fractures 50° Chalcopyrite 0.2%	261.00	262.00	I277744	1.00	0.44
		quartz-ankerite stringers veinlets					
262.00	266.00	Py00.5; Py00.2	262.00	263.00	I277745	1.00	0.324
		Pyrite 0.5%; Pyrite 0.2%	263.00	264.00	I277746	1.00	0.118
		fgr dis py, chalcopyrite in veins	264.00	265.00	I277747	1.00	0.107
			265.00	266.00	I277748	1.00	0.425
266.00	269.00	Cp00.01; Py	266.00	267.00	I277749	1.00	0.127
		Chalcopyrite 0.01%; Pyrite	267.00	268.00	I277752	1.00	0.096
		fgr dis	268.00	269.00	I277753	1.00	0.104
269.00	274.00	Py00.01	269.00	270.00	I277754	1.00	0.4
		Pyrite 0.01%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis	270.00	271.00	I277755	1.00	0.2
			271.00	272.00	I277756	1.00	0.192
			272.00	273.00	I277757	1.00	0.263
			273.00	274.00	I277758	1.00	0.091
274.00	275.00	Py00.2; Cpo.2	274.00	275.00	I277759	1.00	0.211
		Pyrite 0.2%; Chalcopyrite o.2					
		fgr dis					
275.00	277.00	Py00.01	275.00	276.00	I277760	1.00	0.121
		Pyrite 0.01%	276.00	277.00	I277761	1.00	0.051
		fgr dis					
277.00	278.00	Py00.01; Cp00.01	277.00	278.00	I277762	1.00	0.041
		Pyrite 0.01%; Chalcopyrite 0.01%					
		fgr dis					
278.00	281.00	Py00.01	278.00	279.00	I277763	1.00	0.158
		Pyrite 0.01%	279.00	280.00	I277764	1.00	0.386
		fgr dis	280.00	281.00	I277765	1.00	0.326
281.00	316.00	K03; Ank03; Cl01	281.00	282.00	I277766	1.00	0.411
		Potassic 3; Ankerite 3; Chlorite 1					
		Strong pervasive potassic-ankerite alteration, spotty dark chlorite as stringers					
281.00	282.00	Py00.5					
		Pyrite 0.5%					
		fgr dis					
282.00	283.00	Py00.1	282.00	283.00	I277767	1.00	0.369
		Pyrite 0.1%					
		fgr dis					
283.00	284.00	Py02					
		Pyrite 2%					
		fgr dis					
283.00	304.00	Vn;2%;Qak Sgq;In;60°;;	283.00	284.00	I277768	1.00	0.759
		vein (5 mm - 10 cm) 2% quartz-ankerite smoky grey quartz infilled fractures 60°					
		0.5-1 cm quartz-ankerite or smoky grey quartz veins and veinlets					
284.00	285.00	Py02	284.00	285.00	I277769	1.00	0.61
		Pyrite 2%					
		fgr dis					
285.00	286.00	Py03	285.00	286.00	I277770	1.00	0.409
		Pyrite 3%					
		fgr dis					
286.00	287.00	Py03	286.00	287.00	I277771	1.00	0.509
		Pyrite 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis					
287.00	288.00	Py05	287.00	288.00	I277772	1.00	0.191
		Pyrite 5%					
		fgr dis					
288.00	289.00	Py02	288.00	289.00	I277773	1.00	0.571
		Pyrite 2%					
		fgr dis					
289.00	290.00	Py02	289.00	290.00	I277774	1.00	0.291
		Pyrite 2%					
		fgr dis					
290.00	291.00	Py02	290.00	291.00	I277777	1.00	0.296
		Pyrite 2%					
		fgr dis					
291.00	292.00	Py01	291.00	292.00	I277778	1.00	0.612
		Pyrite 1%					
		fgr dis					
292.00	293.00	Py02	292.00	293.00	I277779	1.00	0.417
		Pyrite 2%					
		fgr dis					
293.00	294.00	Py00.01	293.00	294.00	I277780	1.00	0.63
		Pyrite 0.01%					
		fgr dis					
294.00	295.00	Py01; Cp00.01	294.00	295.00	I277781	1.00	0.202
		Pyrite 1%; Chalcopyrite 0.01%					
		fgr dis					
295.00	296.00	Py01	295.00	296.00	I277782	1.00	0.22
		Pyrite 1%					
		fgr dis					
296.00	297.00	Py01	296.00	297.00	I277783	1.00	0.895
		Pyrite 1%					
		fgr dis					
297.00	298.00	Py02	297.00	298.00	I277784	1.00	0.642
		Pyrite 2%					
		fgr dis					
298.00	299.00	Py01	298.00	299.00	I277785	1.00	0.373
		Pyrite 1%					
		fgr dis					
299.00	300.00	Py02	299.00	300.00	I277786	1.00	0.776
		Pyrite 2%					
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
300.00	301.00	Py01 **Pyrite 1%** fgr dis	300.00	301.00	I277787	1.00	0.404
301.00	302.00	Py02 **Pyrite 2%** fgr dis	301.00	302.00	I277788	1.00	0.223
302.00	303.00	Py05 **Pyrite 5%** fgr dis	302.00	303.00	I277789	1.00	0.104
303.00	304.00	Py03; Cp00.01 **Pyrite 3%; Chalcopyrite 0.01%** fgr dis, cpy along veins	303.00	304.00	I277790	1.00	0.343
304.00	305.00	Py01 **Pyrite 1%** fgr dis	304.00	305.00	I277791	1.00	0.482
305.00	306.00	Py00.5 **Pyrite 0.5%** fgr dis	305.00	306.00	I277792	1.00	0.426
306.00	307.00	Py00.5 **Pyrite 0.5%** fgr dis	306.00	307.00	I277793	1.00	0.425
307.00	308.00	Py02 **Pyrite 2%** fgr dis	307.00	308.00	I277794	1.00	0.656
308.00	309.00	Py03 **Pyrite 3%** fgr dis	308.00	309.00	I277795	1.00	0.913
309.00	310.00	Py03 **Pyrite 3%** fgr dis	309.00	310.00	I277796	1.00	0.22
310.00	311.00	Py02 **Pyrite 2%** fgr dis	310.00	311.00	I277797	1.00	0.056
311.00	312.00	Py01 **Pyrite 1%** fgr dis	311.00	312.00	I277798	1.00	0.109
312.00	313.00	Py01 **Pyrite 1%** fgr di	312.00	313.00	I277799	1.00	0.517
313.00	314.00	Py02	313.00	314.00	I277802	1.00	0.669

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%					
		fgr dis					
314.00	315.00	Py07	314.00	315.00	I277803	1.00	0.464
		Pyrite 7%					
		fgr dis					
315.00	316.00	Py00.5; Cp00.5	315.00	316.00	I277804	1.00	0.525
		Pyrite 0.5%; Chalcopyrite 0.5%					
		fgr dis, cpy along fractures					
316.00	326.00	Ank03; K03; Cl02	316.00	317.00	I277805	1.00	0.282
		Ankerite 3; Potassic 3; Chlorite 2					
		Moderate to strong pervasive potassic-ankerite alteration, localized bleaching, patchy chlorite.					
316.00	317.00	Py05					
		Pyrite 5%					
		fgr dis mostly, smaller amount is coarser but still quite fine grained euhedral					
317.00	318.00	Py02; Cp00.5					
		Pyrite 2%; Chalcopyrite 0.5%					
		fgr dis					
317.00	321.00	Vn;2%;Qak;In;20°;;	317.00	318.00	I277806	1.00	0.203
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 20°					
		0.5 cm quartz-ankerite veins					
318.00	319.00	Py05	318.00	319.00	I277807	1.00	0.129
		Pyrite 5%					
		fgr dis					
319.00	320.00	Py03	319.00	320.00	I277808	1.00	0.699
		Pyrite 3%					
		fgr dis					
320.00	321.00	Py01; Cp00.5	320.00	321.00	I277809	1.00	0.498
		Pyrite 1%; Chalcopyrite 0.5%					
		fgr dis					
321.00	322.00	Py01; Cp00.01	321.00	322.00	I277810	1.00	0.053
		Pyrite 1%; Chalcopyrite 0.01%					
		fgr dis					
322.00	323.00	Py02	322.00	323.00	I277811	1.00	0.15
		Pyrite 2%					
		ffgr dis					
323.00	324.00	Py05; Cp00.1	323.00	324.00	I277812	1.00	0.315
		Pyrite 5%; Chalcopyrite 0.1%					
		fgr dis					
324.00	325.00	Py00.5	324.00	325.00	I277813	1.00	0.695
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis					
325.00	325.42	Py01	325.00	325.42	I277814	0.42	0.229
		Pyrite 1%					
		fgr dis					
325.42	326.00	Py10	325.42	326.00	I277815	0.58	0.904
		Pyrite 10%					
		fgr dis					
326.00	372.20	Ank03; K02; Cl02; Ca02	326.00	327.00	I277816	1.00	1.47
		Ankerite 3; Potassic 2; Chlorite 2; Calcite 2					
		Strong pervasive ankerite alteration, moderate potassic alteration, moderate mottled chlorite, weak bleaching, moderate to strong pervasive calcite					
326.00	327.00	Py05					
		Pyrite 5%					
		fgr dis					
326.40	373.20	V4; Pep; Per					
		Trachyte; PEPERITIC; PERLITIC					
		Peperitic horizon. Dark grey to medim greyish-purple. Quenched glassy potassic altered trachyte with perlitic texture mottled and banded with interstitial dark grey to black magnetic fine grained sediments?. Moderately laminated with moderate potassic alteration, bleaching and moderate to stong interstitial and pervasive calcite. Mineralized with traces to 0.5% disseminated pyrite, the unit is strongly magnetic, Intercalated red perlitic and crystal rich trachyte @ 342.20-343.84 m with gradational upper and lower contact.					
327.00	329.00	Py00.5	327.00	328.00	I277817	1.00	0.348
		Pyrite 0.5%	328.00	329.00	I277818	1.00	0.127
		fgr dis					
329.00	342.20	Py00.1	329.00	330.00	I277819	1.00	0.017
		Pyrite 0.1%	330.00	331.00	I277820	1.00	0.01
		traces of pyrite.	331.00	332.00	I277821	1.00	0.006
			332.00	333.00	I277822	1.00	0.018
			333.00	334.00	I277823	1.00	0.011
			334.00	335.00	I277824	1.00	0.025
			335.00	336.00	I277827	1.00	0.025
			336.00	337.00	I277828	1.00	0.082
			337.00	338.00	I277829	1.00	0.034
			338.00	339.00	I277830	1.00	0.006
			339.00	340.00	I277831	1.00	0.13
			340.00	341.00	I277832	1.00	0.203
			341.00	341.60	I277833	0.60	0.283
			341.60	342.19	I277834	0.59	0.024

Description			Assay				
			From	To	Sample number	Length	AuBest
			342.19	343.00	I277835	0.81	0.05
342.20	344.00	Py00.5	343.00	343.76	I277836	0.76	0.036
		Pyrite 0.5%	343.76	344.25	I277837	0.49	0.257
		fine grained disseminated pyrite					
344.00	347.00	Py00.1	344.25	345.00	I277838	0.75	0.014
		Pyrite 0.1%	345.00	346.00	I277839	1.00	0.006
		traces	346.00	347.00	I277840	1.00	0.005
347.00	364.00	Py00.2	347.00	348.00	I277841	1.00	0.008
		Pyrite 0.2%	348.00	349.00	I277842	1.00	0.023
		euhedral pyrite disseminated	349.00	350.00	I277843	1.00	0.052
			350.00	351.00	I277844	1.00	0.009
			351.00	352.00	I277845	1.00	0.033
			352.00	353.00	I277846	1.00	0.571
			353.00	354.00	I277847	1.00	0.069
			354.00	355.00	I277848	1.00	0.081
			355.00	356.00	I277849	1.00	0.055
			356.00	357.00	I277852	1.00	0.064
			357.00	358.00	I277853	1.00	0.011
			358.00	359.00	I277854	1.00	0.049
			359.00	360.00	I277855	1.00	0.006
			360.00	361.00	I277856	1.00	0.006
			361.00	362.00	I277857	1.00	0.006
			362.00	363.00	I277858	1.00	0.008
			363.00	364.00	I277859	1.00	0.015
364.00	366.00	Py00.5	364.00	365.00	I277860	1.00	1.67
		Pyrite 0.5%	365.00	366.00	I277861	1.00	1.395
		meduim to coarse grained sub to euhedral pyrite					
366.00	367.00	Py02					
		Pyrite 2%					
		meduim gr sub to euh py					
366.00	385.00	Vn;3%;Qak Ca;In;20°;;	366.00	367.00	I277862	1.00	0.73
		vein (5 mm - 10 cm) 3% quartz-ankerite calcite infilled fractures 20°					
		0.5-2 cm quartz-ankerite and calcite veins					
367.00	370.00	Py01	367.00	368.00	I277863	1.00	1.155
		Pyrite 1%	368.00	369.00	I277864	1.00	1.365
		fine grained pyrite in veins	369.00	370.00	I277865	1.00	0.758

Description			Assay				
			From	To	Sample number	Length	AuBest
370.00	371.00	Py03	370.00	371.00	I277866	1.00	1.335
		Pyrite 3%	371.00	372.00	I277867	1.00	0.842
		f-med gr py					
372.00	372.90	Py00.5	372.00	372.90	I277868	0.90	0.267
		Pyrite 0.5%					
		fgr py					
372.20	384.00	Cl03; Ca02					
		Chlorite 3; Calcite 2					
		intense pervasive chlorite, moderate intermittant calcite					
372.90	448.00	Py00.1	372.90	374.00	I277869	1.10	0.045
		Pyrite 0.1%					
		traces of pyrite					
373.20	464.00	V4M; Mass; PyroTuff	374.00	375.00	I277870	1.00	0.025
		Trachyte mafic 50°; Massive; PYROCLASTIC (TUFFACEOUS)	375.00	376.00	I277871	1.00	0.013
		Trachytic mafic. Dark chloritic magnetic matrix with rectangular felsic looking clasts with variable alteration	376.00	377.00	I277872	1.00	0.008
		haloes. Alteration minerals are light grey. Fine grained magnetite throughout, Upper contact is variable with	377.00	378.00	I277873	1.00	0.009
		clasts/blocks of entrained massive trachyte of the upper unit mixed in. Clast to matrix ratio 85% clasts with	378.00	379.00	I277874	1.00	0.025
		15% chloritic matrix. Unit has overall traces to 0.5% of fine grained euhedral to sub euhedral.	379.00	380.00	I277877	1.00	0.006
			380.00	381.00	I277878	1.00	<0.005
			381.00	382.00	I277879	1.00	<0.005
			382.00	383.00	I277880	1.00	<0.005
			383.00	384.00	I277881	1.00	<0.005
373.20	380.00	V4MT; Pyro					
		Trachyte mafic tuff 50°; PYROCLASTIC					
		Trachytic tuff with clasts/blocks, Clast to matrix ratio 85% clasts with 15% chloritic matrix. the unit is					
		strongly magnetic, altered to calcite and chlorite with weak spotty ankerite, pyrite in traces.					
384.00	464.00	Ca03; Cl03	384.00	385.00	I277882	1.00	<0.005
		Calcite 3; Chlorite 3					
		intense pervasive chlorite and calcite					
385.00	389.00	Vn;5%;Ca Cl;In;70°;;	385.00	386.00	I277883	1.00	<0.005
		vein (5 mm - 10 cm) 5% calcite chlorite infilled fractures 70°	386.00	387.00	I277884	1.00	<0.005
		Calcite and chlorite veins 2-8 cm	387.00	388.00	I277885	1.00	<0.005
			388.00	389.00	I277886	1.00	<0.005
			389.00	390.00	I277887	1.00	<0.005
			390.00	391.00	I277888	1.00	<0.005
			391.00	392.00	I277889	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			392.00	393.00	I277890	1.00	<0.005
			393.00	394.00	I277891	1.00	<0.005
			394.00	395.00	I277892	1.00	<0.005
			395.00	396.00	I277893	1.00	<0.005
			396.00	397.00	I277894	1.00	<0.005
			397.00	398.00	I277895	1.00	<0.005
			398.00	399.00	I277896	1.00	<0.005
			399.00	400.00	I277897	1.00	0.009
			400.00	401.00	I277898	1.00	0.105
			401.00	402.00	I277899	1.00	<0.005
			402.00	403.00	I277902	1.00	<0.005
			403.00	404.00	I277903	1.00	<0.005
			404.00	405.00	I277904	1.00	0.02
			405.00	406.00	I277905	1.00	<0.005
			406.00	407.00	I277906	1.00	<0.005
			407.00	408.00	I277907	1.00	<0.005
			408.00	409.00	I277908	1.00	<0.005
			409.00	410.00	I277909	1.00	<0.005
			410.00	411.00	I277910	1.00	<0.005
			411.00	412.00	I277911	1.00	<0.005
			412.00	413.00	I277912	1.00	<0.005
			413.00	414.00	I277913	1.00	<0.005
			414.00	415.00	I277914	1.00	<0.005
			415.00	416.00	I277915	1.00	<0.005
416.00	421.00	V4MT; Pyro	416.00	417.00	I277916	1.00	<0.005
		Trachyte mafic tuff; PYROCLASTIC	417.00	418.00	I277917	1.00	<0.005
		Trachytic tuff with clasts/blocks greenish or whitish, Clast to matrix ratio 50% clasts with 50% chloritic	418.00	419.00	I277918	1.00	<0.005
		matrix. the unit is strongly magnetic, altered to calcite and chlorite, pyrite in traces.	419.00	420.00	I277919	1.00	<0.005
			420.00	421.00	I277920	1.00	<0.005
			421.00	422.00	I277921	1.00	<0.005
			422.00	423.00	I277922	1.00	<0.005
			423.00	424.00	I277923	1.00	<0.005
			424.00	425.00	I277924	1.00	<0.005
			425.00	426.00	I277927	1.00	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			426.00	427.00	I277928	1.00	<0.005
			427.00	428.00	I277929	1.00	<0.005
			428.00	429.00	I277930	1.00	<0.005
429.00	430.00	Vn;1%;Ca;In;50°;;	429.00	430.00	I277931	1.00	<0.005
		vein (5 mm - 10 cm) 1% calcite infilled fractures 50°	430.00	431.00	I277932	1.00	<0.005
		Infilledcalcite veins	431.00	432.00	I277933	1.00	0.007
			432.00	433.00	I277934	1.00	0.067
			433.00	434.00	I277935	1.00	0.009
			434.00	435.00	I277936	1.00	0.005
			435.00	436.00	I277937	1.00	0.007
			436.00	437.00	I277938	1.00	<0.005
			437.00	438.00	I277939	1.00	0.014
			438.00	439.00	I277940	1.00	<0.005
			439.00	440.00	I277941	1.00	<0.005
			440.00	441.00	I277942	1.00	<0.005
			441.00	442.00	I277943	1.00	<0.005
			442.00	443.00	I277944	1.00	0.057
			443.00	444.00	I277945	1.00	0.024
			444.00	445.00	I277946	1.00	<0.005
			445.00	446.00	I277947	1.00	<0.005
			446.00	447.00	I277948	1.00	<0.005
			447.00	448.00	I277949	1.00	<0.005
448.00	451.00	Py00.5	448.00	449.00	I277952	1.00	<0.005
		Pyrite 0.5%	449.00	450.00	I277953	1.00	<0.005
		fine grained pyrite in veins	450.00	451.00	I277954	1.00	<0.005
451.00	464.00	Py00.1	451.00	452.00	I277955	1.00	<0.005
		Pyrite 0.1%	452.00	453.00	I277956	1.00	<0.005
		traces	453.00	454.00	I277957	1.00	<0.005
			454.00	455.00	I277958	1.00	<0.005
			455.00	456.00	I277959	1.00	<0.005
			456.00	457.00	I277960	1.00	<0.005
			457.00	458.00	I277961	1.00	<0.005
			458.00	459.00	I277962	1.00	<0.005
			459.00	460.00	I277963	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	460.00	461.00	I277964	1.00	<0.005
	461.00	462.00	I277965	1.00	<0.005
	462.00	463.00	I277966	1.00	<0.005
	463.00	464.00	I277967	1.00	<0.005
464.00	**End of DDH**				
	Number of samples: 426				
	Number of QAQC samples: 36				
	Total sampled length: 412.12				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_40

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Frank Ploeger	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	02/02/2014	Description date:	11/03/2014
		To:	08/03/2014		

Collar

Azimuth:	0.0°
Dip:	-50.0°
Length:	534.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,187.505
North	0.0	0.000	5,331,446.406
Elevation	0.0	0.000	338.593

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	72.00	5.3°	-50.2°	No	Mag = 55871
ReflexEZS	132.00	6.6°	-51.0°	No	Mag:55821; Data from Frank Ploeger
ReflexEZS	192.00	7.5°	-50.8°	No	Mag:55228; Data from Frank Ploeger
ReflexEZS	252.00	8.5°	-50.4°	No	Mag:55738; Data from Frank Ploeger
ReflexEZS	312.00	8.9°	-50.0°	No	Mag = 55149
ReflexEZS	372.00	10.5°	-48.5°	No	Mag = 55359
ReflexEZS	432.00	11.3°	-46.7°	No	Mag = 55420
ReflexEZS	492.00	13.3°	-45.0°	No	Mag = 55196

Description

south of holes #32/ 37, Biroco Zone. Logged by Ciara Cooke. Broken and rubbley core to 103m. Logging completed on March 18 2014

Relogged by Gilles Kamta july 15-17 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	58.00	OVB					
		Overburden					
		Casing and overburden.					
58.00	154.10	V4; Per; Por	58.00	59.00	N422987	1.00	0.684
		Trachyte; PERLITIC; Porphyritic					
		Med to dk grey and siliceous to orangy red altered trachyte. Moderate to strong albite alteration with localized patches of structurally controlled silicification. Strong ankerite alteration. Fg to f-mg. Minor localized patches of mg fractured subhedral phenocrysts. Pervasive network of microfractures with ankerite veinlets and localized dk green chloritic infill. Trace clusters of mg magnetite grains isolated within red albitic unit. Broken core from 58 to 103m with localized orangy oxidation and vuggy weathering throughout. 0.5-5 pct f-mg eu-subhedral py clustered within microfractures and disseminated within greyish alteration.					
58.00	88.00	Alb02; K02; Ank01; Ox					
		Albite 2; Potassic 2; Ankerite 1; Oxidation					
		Moderate pervasive Potassic-albitic alteration, patchy moderate to weak ankerite and oxydation					
58.00	102.75	Jt					
		Joint					
		Broken and rubbly core. Locally oxidized. Vuggy weathered texture.					
58.00	59.00	Py01					
		Pyrite 1%					
		Fg to f-mg subhedral py clustered within microfractures.					
58.00	66.00	Vt;2%;Sgq;In;70°;;					
		veinlet (1-5 mm) 2% smoky grey quartz infilled fractures 70°					
		Grey to smokey grey quartz veinlets.					
59.00	60.00	Py02	59.00	60.00	N422988	1.00	0.395
		Pyrite 2%					
		Fg to f-mg subhedral py clustered within microfractures.					
60.00	61.00	Py02.5; Cp00.1	60.00	61.00	N422989	1.00	1.78
		Pyrite 2.5%; Chalcopyrite 0.1%					
		Fg to f-mg subhedral py clustered within microfractures. Bleb of chalcopyrite within carbonate veinlet.					
61.00	66.00	Py03	61.00	62.00	N422990	1.00	0.626
		Pyrite 3%	62.00	63.00	N422991	1.00	0.36
		Fg to f-mg eu-subhedral py clustered within microfractures. Locally conc within dark patches and oriented within foliation.	63.00	64.00	N422992	1.00	0.391
			64.00	65.00	N422993	1.00	0.595
			65.00	66.00	N422994	1.00	0.594
66.00	67.00	Py03.5	66.00	67.00	N422995	1.00	0.74
		Pyrite 3.5%					
		Fg to f-mg subhedral py clustered within microfractures.					
67.00	68.00	Py03	67.00	68.00	N422996	1.00	0.877
		Pyrite 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg subhedral py clustered within microfractures.					
68.00	69.00	Py03; Cp00.05	68.00	69.00	N422997	1.00	1.63
		Pyrite 3%; Chalcopyrite 0.05%					
		Fg to f-mg subhedral py clustered within microfractures. Localized bleb of chalcopyrite within calcite vein.					
69.00	72.00	Py01.5	69.00	70.00	N422998	1.00	1.885
		Pyrite 1.5%	70.00	71.00	N422999	1.00	1.11
		Fg to f-mg subhedral py clustered within dark microfractures.	71.00	72.00	Q284002	1.00	1.395
72.00	74.00	Py01	72.00	73.00	Q284003	1.00	1.705
		Pyrite 1%	73.00	74.00	Q284004	1.00	1.105
		Fg to f-mg subhedral py clustered within dark microfractures.					
74.00	75.00	Py00.5	74.00	75.00	Q284005	1.00	0.933
		Pyrite 0.5%					
		Fg to f-mg subhedral py clustered within microfractures and vugs.					
75.00	76.00	Py00.5; Cp00.05	75.00	76.00	Q284006	1.00	3.77
		Pyrite 0.5%; Chalcopyrite 0.05%					
		Fg to f-mg subhedral py clustered within microfractures. Bleb of chalcopyrite within vuggy vein.					
76.00	77.00	Py00.2; Cp	76.00	77.00	Q284007	1.00	1.83
		Pyrite 0.2%; Chalcopyrite					
		Fg to f-mg subhedral py clustered within dark microfractures. Traces of chalcopyrite.					
77.00	80.00	Py00.2	77.00	78.00	Q284008	1.00	1.225
		Pyrite 0.2%	78.00	79.00	Q284009	1.00	1.23
		0.2-0.5 pct fg to f-mg subhedral py clustered within microfractures and vugs with a dark mineral.	79.00	80.00	Q284010	1.00	0.199
80.00	82.00	Py00.1	80.00	81.00	Q284011	1.00	0.269
		Pyrite 0.1%	81.00	82.00	Q284012	1.00	0.227
		Fg to f-mg subhedral py clustered within microfractures.					
82.00	83.00	Py00.2	82.00	83.00	Q284013	1.00	0.212
		Pyrite 0.2%					
		Fg to f-mg subhedral py clustered within microfractures.					
83.00	84.00	Py00.5; Mo00.1	83.00	84.00	Q284014	1.00	0.451
		Pyrite 0.5%; Molybdenite 0.1%					
		Fg to f-mg subhedral py clustered within microfractures. Localized molybdenite within carbonate veinlet.					
84.00	86.00	Py01	84.00	85.00	Q284015	1.00	0.342
		Pyrite 1%	85.00	86.00	Q284016	1.00	1.4
		Fg to f-mg subhedral py clustered within microfractures and stockwork of dark veinlets.					
86.00	87.00	Py01; Cp00.01	86.00	87.00	Q284017	1.00	1.32
		Pyrite 1%; Chalcopyrite 0.01%					
		Fg to f-mg subhedral py clustered within microfractures and stockwork of dark veinlets. Clustered within vugs. Traces of fg chalcopyrite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
87.00	88.00	Py01 **Pyrite 1%** Fg to f-mg subhedral py clustered within microfractures and stockwork of dark veinlets.	87.00	88.00	Q284018	1.00	3.71
88.00	101.50	K03; Ank02; Cl01 **Potassic 3; Ankerite 2; Chlorite 1** Strong pervasive potassic alteration, moderate pervasive ankerite, chlorite as stringers or veinlets.	88.00	89.00	Q284019	1.00	2.1
88.00	89.00	Py02 **Pyrite 2%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets. Localized grains with chl halos.					
89.00	90.00	Py01 **Pyrite 1%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets. Localized grains with chl halos.	89.00	90.00	Q284020	1.00	1.075
90.00	91.00	Py00.5; Mo00.01; Cp00.01 **Pyrite 0.5%; Molybdenite 0.01%; Chalcopyrite 0.01%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets. Localized grains with chl halos. Traces of molybdenite and chalcopyrite within carbonate veinlet.	90.00	91.00	Q284021	1.00	0.527
91.00	92.00	Py01 **Pyrite 1%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets.	91.00	92.00	Q284022	1.00	0.514
92.00	93.00	Py02 **Pyrite 2%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets.	92.00	93.00	Q284023	1.00	0.706
93.00	94.00	Py01 **Pyrite 1%** Fg eu-subhedral py clustered within microfractures and stockwork of dark veinlets. Disseminated within fg greyish patches of alteration.	93.00	94.00	Q284024	1.00	0.404
94.00	95.00	Py01 **Pyrite 1%** F-mg euhedral py clustered within microfractures and locally disseminated.	94.00	95.00	Q284027	1.00	0.526
95.00	96.00	Py02 **Pyrite 2%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets. Localized grains with chl halos.	95.00	96.00	Q284028	1.00	0.184
96.00	97.00	Py00.5 **Pyrite 0.5%** Fg to f-mg eu-subhedral py clustered within dark microfractures.	96.00	97.00	Q284029	1.00	0.063
97.00	98.00	Py01 **Pyrite 1%**	97.00	98.00	Q284030	1.00	0.067

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets. Locally disseminated within greyish veins of alteration.					
98.00	99.00	Py01; Cp00.2; Mo00.05 **Pyrite 1%; Chalcopyrite 0.2%; Molybdenite 0.05%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets. Locally clustered within vugs. Localized clump of chalcopyrite in vuggy vein with dark green-black chl and traces of molybdenite.	98.00	99.00	Q284031	1.00	0.117
99.00	100.00	Py00.5 **Pyrite 0.5%** 0.5-1 pct fg to f-mg eu-subhedral py clustered within microfractures and stockwork of dark veinlets.	99.00	100.00	Q284032	1.00	0.34
100.00	101.00	Py01 **Pyrite 1%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of med to dk greyish veinlets.					
100.00	104.00	Vn;4%;Sgq;In;60°;Py00.2; **vein (5 mm - 10 cm) 4% smoky grey quartz infilled fractures 60° Pyrite 0.2%** smoky grey quartz veins 0 / 60 DTCA	100.00	101.00	Q284033	1.00	0.52
101.00	102.00	Py00.5; Cp00.01 **Pyrite 0.5%; Chalcopyrite 0.01%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of med to dk greyish veinlets. Traces of chalcopyrite.	101.00	102.00	Q284034	1.00	0.884
101.50	143.00	Alb03; Si03; Ank02 **Albite 3; Silica 3; Ankerite 2** Strong pervasive albitic alteration with strong silicification. Moderate pervasive ankerite alteration.					
102.00	104.00	Py01 **Pyrite 1%** Fg to f-mg eu-subhedral py clustered within microfractures and stockwork of med to dk greyish veinlets.	102.00	103.00	Q284035	1.00	0.687
102.75	104.67	V4; Per; Bx **Trachyte; PERLITIC; Brecciated** Medium to dark grey and siliceous to orangy red altered trachyte, sub euhedral and rounded fragments of tectonic micro breccia (0.2-0.5 cm) is observe.					
102.75	104.67	Bxh **Breccia healed** Intense brecciation with grey siliceous veining. Fine to coarse angular wall rock fragments in situ.	103.00	104.00	Q284036	1.00	0.418
104.00	105.00	Py00.5; Cp00.05 **Pyrite 0.5%; Chalcopyrite 0.05%** Fg to f-mg eu-subhedral py clustered within microfractures. Traces of vein associated chalcopyrite.	104.00	105.00	Q284037	1.00	0.327
105.00	106.00	Py01.5; Cp00.05 **Pyrite 1.5%; Chalcopyrite 0.05%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration. Traces of chalcopyrite.	105.00	106.00	Q284038	1.00	0.644

Description			Assay				
			From	To	Sample number	Length	AuBest
106.00	107.00	Py02 **Pyrite 2%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	106.00	107.00	Q284039	1.00	0.248
107.00	108.00	Py03 **Pyrite 3%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	107.00	108.00	Q284040	1.00	0.711
108.00	110.00	Py05 **Pyrite 5%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	108.00 109.00	109.00 110.00	Q284041 Q284042	1.00 1.00	0.535 0.377
110.00	111.00	Py03; Cp00.1 **Pyrite 3%; Chalcopyrite 0.1%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration. Localized chalcopyrite.	110.00	111.00	Q284043	1.00	0.106
111.00	114.00	Py03 **Pyrite 3%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	111.00 112.00 113.00	112.00 113.00 114.00	Q284044 Q284045 Q284046	1.00 1.00 1.00	0.146 0.326 0.185
114.00	115.00	Py03.5 **Pyrite 3.5%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	114.00	115.00	Q284047	1.00	0.203
115.00	117.00	Py04 **Pyrite 4%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	115.00 116.00	116.00 117.00	Q284048 Q284049	1.00 1.00	0.139 0.25
117.00	118.00	Py03 **Pyrite 3%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	117.00	118.00	Q284052	1.00	0.695
118.00	119.00	Py05 **Pyrite 5%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration.	118.00	119.00	Q284053	1.00	1.175
119.00	120.00	Py04; Cp00.05 **Pyrite 4%; Chalcopyrite 0.05%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within greyish siliceous alteration. Traces of chalcopyrite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
119.00	131.00	Vn;3%;Qak;In;80°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 80°** Quartz-ankerite veins 0.5 cm and veinlets	119.00	120.00	Q284054	1.00	0.356
120.00	121.00	Py02 **Pyrite 2%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.	120.00	121.00	Q284055	1.00	0.235
121.00	123.00	Py02; Cp00.01 **Pyrite 2%; Chalcopyrite 0.01%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches. Traces of chalcopyrite within veinlets.	121.00 122.00	122.00 123.00	Q284056 Q284057	1.00 1.00	0.464 0.358
123.00	125.00	Py00.5 **Pyrite 0.5%** Fg to f-mg subhedral py clustered within chlorite infilled fractures roughly parallel tca. Eu-subhedral py clustered within microfractures and locally disseminated within grey alteration patches.	123.00 124.00	124.00 125.00	Q284058 Q284059	1.00 1.00	0.499 0.482
125.00	126.00	Py02; Cp00.05 **Pyrite 2%; Chalcopyrite 0.05%** Fg eu-subhedral py clustered within foliated microfractures and disseminated within grey alteration patches. Localized chalcopyrite bleb within carbonate vein.	125.00	126.00	Q284060	1.00	0.704
126.00	127.00	Py02 **Pyrite 2%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.	126.00	127.00	Q284061	1.00	0.501
127.00	128.00	Py03 **Pyrite 3%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.	127.00	128.00	Q284062	1.00	0.447
128.00	129.00	Py02; Cp00.05 **Pyrite 2%; Chalcopyrite 0.05%** Very fine to fg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches. Traces of chalcopyrite.	128.00	129.00	Q284063	1.00	0.387
129.00	130.00	Py01 **Pyrite 1%** Fg eu-subhedral py clustered within microfractures.	129.00	130.00	Q284064	1.00	0.451
130.00	131.00	Py03 **Pyrite 3%** Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.	130.00	131.00	Q284065	1.00	0.596
131.00	134.00	Py03; Cp00.01 **Pyrite 3%; Chalcopyrite 0.01%**	131.00 132.00	132.00 133.00	Q284066 Q284067	1.00 1.00	0.647 0.603

Description			Assay				
			From	To	Sample number	Length	AuBest
		Very fine to fg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches. Traces of chalcopyrite.	133.00	134.00	Q284068	1.00	0.926
134.00	136.00	Py03.5	134.00	135.00	Q284069	1.00	0.701
		Pyrite 3.5%	135.00	136.00	Q284070	1.00	0.232
		Fg to f-mg eu-subhedral py clustered within locally foliated microfractures and disseminated within grey alteration patches.					
136.00	137.00	Py03	136.00	137.00	Q284071	1.00	0.531
		Pyrite 3%					
		Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.					
137.00	138.00	Py04	137.00	138.00	Q284072	1.00	1.015
		Pyrite 4%					
		Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.					
138.00	140.00	Py03	138.00	139.00	Q284073	1.00	0.435
		Pyrite 3%	139.00	140.00	Q284074	1.00	0.428
		Very fine to fg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.					
140.00	143.00	Py03	140.00	141.00	Q284077	1.00	0.408
		Pyrite 3%	141.00	142.00	Q284078	1.00	0.596
		Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.	142.00	143.00	Q284079	1.00	0.492
143.00	147.20	Ank03; Alb02	143.00	144.00	Q284080	1.00	0.339
		Ankerite 3; Albite 2					
		Intense pervasive ankerite with moderate albite alteration.					
143.00	144.00	Py03					
		Pyrite 3%					
		Fg to f-mg eu-subhedral py clustered within microfractures and disseminated within grey alteration patches.					
144.00	145.00	Py01	144.00	145.00	Q284081	1.00	0.135
		Pyrite 1%					
		Fg to f-mg eu-subhedral py clustered within microfractures and around carbonate veinlets.					
145.00	146.00	Py00.5	145.00	146.00	Q284082	1.00	0.321
		Pyrite 0.5%					
		Fg eu-subhedral py clustered within microfractures.					
146.00	147.00	Py02.5	146.00	147.00	Q284083	1.00	0.325
		Pyrite 2.5%					
		F-mg euhedral py clustered within microfractures.					
147.00	148.00	Py00.2	147.00	148.00	Q284084	1.00	0.16
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fine to f-mg eu-subhedral py clustered within microfractures.					
147.20	154.10	Alb03; Ank03; Si01					
		Albite 3; Ankerite 3; Silica 1					
		Strong pervasive albite and ankerite with patchy silicification.					
148.00	149.00	Py01	148.00	149.00	Q284085	1.00	1.515
		Pyrite 1%					
		Fine to f-mg eu-subhedral py clustered within dark microfractures.					
149.00	150.00	Py02	149.00	150.00	Q284086	1.00	0.5
		Pyrite 2%					
		Fine to f-mg eu-subhedral py clustered within dark microfractures.					
150.00	151.00	Py01	150.00	151.00	Q284087	1.00	0.438
		Pyrite 1%					
		Fine to f-mg eu-subhedral py clustered within dark microfractures.					
151.00	152.00	Py01.5	151.00	152.00	Q284088	1.00	2.57
		Pyrite 1.5%					
		Fine to f-mg eu-subhedral py clustered within dark microfractures.					
152.00	153.00	Py02.5	152.00	153.00	Q284089	1.00	0.656
		Pyrite 2.5%					
		Fine to f-mg eu-subhedral py clustered within dark microfractures.					
153.00	154.10	Py01.5	153.00	154.10	Q284090	1.10	0.582
		Pyrite 1.5%					
		F-mg eu-subhedral py clustered within dark microfractures.					
154.10	500.50	V4; Tuff; Fol	154.10	155.00	Q284091	0.90	0.01
		Trachyte 40°; TUFF; Foliated	155.00	156.00	Q284092	1.00	<0.005
		Pale to med-dark greyish-green trachytic tuff. The upper unit include elongated fragments of pumice. Strongly chloritized with calcite veining and alteration to moderately sericitizated with ankerite veining and pervasive alteration. Unit has consistently moderate to strong magnetism with no visible magnetite grains until 226m. Weak to moderate pervasive foliation with localized faulting and shear indicators. "The unit present localized ductile deformation observe in quartz-ankerite veinlets, rotation in fragments and boudinage". Few intermittent fault zones with broken core and locally weathered away clayey fg chloritic fault gouge. 0.01-2 pct localized f-mg euhedral py in clusters with pressure shadows.					
154.10	165.00	Ank02; Cl02; Se01					
		Ankerite 2; Chlorite 2; Sericite 1					
		Moderate interstital ankerite alteration with pervasive chloritization and weak sericite alteration.					
154.10	165.00	Fln					
		Foliation 20°					
		Weak to moderate pervasive foliation.					
154.10	156.00	Py00.05					
		Pyrite 0.05%					
		Traces of f-mg euhedral py with chl infilled pressure shadows.					

Description			Assay				
			From	To	Sample number	Length	AuBest
156.00	161.00	Py00.1	156.00	157.00	Q284093	1.00	<0.005
		Pyrite 0.1%	157.00	158.00	Q284094	1.00	<0.005
		traces	158.00	159.00	Q284095	1.00	<0.005
			159.00	160.00	Q284096	1.00	<0.005
			160.00	161.00	Q284097	1.00	<0.005
161.00	170.00	Py00.01	161.00	162.00	Q284098	1.00	<0.005
		Pyrite 0.01%	162.00	163.00	Q284099	1.00	<0.005
		Traces of fg euhedral py.	163.00	164.00	Q284102	1.00	<0.005
			164.00	165.00	Q284103	1.00	0.014
165.00	216.00	Cl03; Ca02; Ank01	165.00	166.00	Q284104	1.00	0.005
		Chlorite 3; Calcite 2; Ankerite 1	166.00	167.00	Q284105	1.00	<0.005
		Strong pervasive chloritization with traces of sericitization tapering out downhole. Moderate calcite within	167.00	168.00	Q284106	1.00	0.005
		veining. Weak traces of ankerite alteration.	168.00	169.00	Q284107	1.00	0.007
			169.00	170.00	Q284108	1.00	0.013
165.00	177.56	Shrh; Fln					
		Shear healed 60°; Foliation					
		Moderate pervasive foliation of 5-20 deg tca with angle shallowing towards lower contact. Shear					
		indicators at 45-60 deg tca.					
170.00	171.00	Py00.01	170.00	171.00	Q284109	1.00	0.01
		Pyrite 0.01%					
		Traces of fg euhedral py.					
171.00	172.00	Py00.1	171.00	172.00	Q284110	1.00	0.007
		Pyrite 0.1%					
		Trace fg eu-subhedral py.					
172.00	173.00	Py00.01	172.00	173.00	Q284111	1.00	0.005
		Pyrite 0.01%					
		Traces of fg euhedral py along carbonate vein.					
173.00	208.00	Py00.1	173.00	174.00	Q284112	1.00	<0.005
		Pyrite 0.1%	174.00	175.00	Q284113	1.00	0.007
		traces	175.00	176.00	Q284114	1.00	0.009
			176.00	177.00	Q284115	1.00	0.013
			177.00	178.00	Q284116	1.00	0.017
177.56	179.25	FAZ; Gg	178.00	179.00	Q284117	1.00	0.012
		Fault Zone 20°; Fault gouge	179.00	180.00	Q284118	1.00	0.007
		Fault zone with chloritic clayey gouge. 5-20 deg tca.					
179.25	186.60	Shrh; Fln	180.00	181.00	Q284119	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Shear healed 60°; Foliation	181.00	182.00	Q284120	1.00	<0.005
		Moderate pervasive foliation of 15-20 deg tca. Shear indicators at 45-60 deg tca.	182.00	183.00	Q284121	1.00	<0.005
			183.00	184.00	Q284122	1.00	<0.005
			184.00	185.00	Q284123	1.00	0.005
			185.00	186.00	Q284124	1.00	<0.005
			186.00	187.00	Q284127	1.00	0.006
186.60	187.60	FAZ; Gg	187.00	188.00	Q284128	1.00	0.006
		Fault Zone 30°; Fault gouge					
		Fault zone with chloritic clayey gouge. 5-30 deg tca.					
187.60	193.15	Shrh; Fln	188.00	189.00	Q284129	1.00	<0.005
		Shear healed 70°; Foliation	189.00	190.00	Q284130	1.00	0.018
		Moderate foliation of 5-20 deg tca. Abundant shear indicators at 60-70 deg tca.	190.00	191.00	Q284131	1.00	<0.005
			191.00	192.00	Q284132	1.00	<0.005
			192.00	193.00	Q284133	1.00	<0.005
			193.00	194.00	Q284134	1.00	0.011
193.15	193.25	FAZ; Gg					
		Fault Zone 30°; Fault gouge					
		Fault zone with chloritic clayey gouge. 30-70 deg tca.					
193.25	217.00	Fln; Shrh					
		Foliation 30°; Shear healed					
		Weak to moderate pervasive foliation of 20-30 deg tca. Localized intermittent shear indicators at 60-70 deg tca.					
194.00	195.00	Vm;30%;Qak;In;60°;;	194.00	195.00	Q284135	1.00	<0.005
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 60°	195.00	196.00	Q284136	1.00	<0.005
		Late purple quarzt ankerite-chlorite veins	196.00	197.00	Q284137	1.00	<0.005
			197.00	198.00	Q284138	1.00	<0.005
			198.00	199.00	Q284139	1.00	<0.005
			199.00	200.00	Q284140	1.00	<0.005
			200.00	201.00	Q284141	1.00	<0.005
			201.00	202.00	Q284142	1.00	<0.005
			202.00	203.00	Q284143	1.00	<0.005
			203.00	204.00	Q284144	1.00	<0.005
			204.00	205.00	Q284145	1.00	<0.005
			205.00	206.00	Q284146	1.00	<0.005
			206.00	207.00	Q284147	1.00	<0.005
			207.00	208.00	Q284148	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
208.00	209.00	Py00.05					
		Pyrite 0.05%					
		F-mg euhedral cluster of py within qtz-carbonate-chl vein.					
208.00	212.00	Vn;5%;Qak;In;50°;;	208.00	209.00	Q284149	1.00	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 50°					
		Purple quartz-ankerite chlorite veins					
209.00	211.00	Py00.1	209.00	210.00	Q284152	1.00	<0.005
		Pyrite 0.1%	210.00	211.00	Q284153	1.00	0.005
		traces					
211.00	212.00	Cp00.01	211.00	212.00	Q284154	1.00	0.006
		Chalcopyrite 0.01%					
		Trace chalcopyrite surrounding qtz-carb fragment.					
212.00	213.00	Py00.01	212.00	213.00	Q284155	1.00	0.011
		Pyrite 0.01%					
		Trace fg eu-subhedral py.					
213.00	214.00	Py00.1	213.00	214.00	Q284156	1.00	0.009
		Pyrite 0.1%					
		Trace fg eu-subhedral py.					
214.00	215.00	Py00.01	214.00	215.00	Q284157	1.00	0.011
		Pyrite 0.01%					
		Trace fg eu-subhedral py.					
215.00	219.00	Py00.01	215.00	216.00	Q284158	1.00	0.007
		Pyrite 0.01%					
		Trace fg eu-subhedral py.					
216.00	223.80	Ank; Se02	216.00	217.00	Q284159	1.00	0.006
		Ankerite; Sericite 2					
		Moderate ankerite and sericite alteration within veins and along foliation.					
217.00	227.00	Fln	217.00	218.00	Q284160	1.00	<0.005
		Foliation 15°	218.00	219.00	Q284161	1.00	<0.005
		Weak to moderate pervasive foliation 10-20 deg. Irregular towards lower contact.					
219.00	224.00	Py00.01	219.00	220.00	Q284162	1.00	<0.005
		Pyrite 0.01%	220.00	221.00	Q284163	1.00	<0.005
		Trace fg eu-subhedral py with dk grey magnetic patch.	221.00	222.00	Q284164	1.00	<0.005
			222.00	223.00	Q284165	1.00	<0.005
			223.00	224.00	Q284166	1.00	0.005
223.80	228.60	Cl03; Se; Ank01					
		Chlorite 3; Sericite; Ankerite 1					
		Strong pervasive chloritization. Weak to moderate ankerite and sericite within grains and veining.					
224.00	225.00	Py00.2	224.00	225.00	Q284167	1.00	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		Mg euhedral py clustered within calcite veinlet.					
225.00	228.00	Py00.01	225.00	226.00	Q284168	1.00	<0.005
		Pyrite 0.01%	226.00	227.00	Q284169	1.00	0.007
		Traces of very fg eu-subhedral py.					
227.00	228.60	Fln					
		Foliation 20°					
		Moderate foliation of 20-30 deg tca. Abundant small scale shear indicators at 60-70 deg tca.					
227.00	229.00	Vn;20%;Qak;In;70°;;	227.00	228.00	Q284170	1.00	0.008
		vein (5 mm - 10 cm) 20% quartz-ankerite infilled fractures 70°					
		White/ smokey grey Quartz ankerite veins 1-5 cm					
228.00	231.00	Py00.05	228.00	229.00	Q284171	1.00	0.008
		Pyrite 0.05%					
		F-mg eu-subhedral py in clusters.					
228.60	256.00	Se; Ank02; Cl01	229.00	230.00	Q284172	1.00	0.005
		Sericite; Ankerite 2; Chlorite 1	230.00	231.00	Q284173	1.00	0.012
		MOderate to strong chl and sericite alteration within foliation and veining. Weak remnant chl.					
228.60	255.50	Fln					
		Foliation 20°					
		Moderate pervasive foliation 15-20 deg tca. Traces of shear indicators - mantled porphyroclasts with					
		dextral slip.					
231.00	233.00	Py00.2	231.00	232.00	Q284174	1.00	0.005
		Pyrite 0.2%	232.00	233.00	Q284177	1.00	0.005
		traces					
233.00	234.00	Py00.01	233.00	234.00	Q284178	1.00	0.012
		Pyrite 0.01%					
		Trace fg eu-subhedral py within chloritic veinlet.					
234.00	236.00	Py00.05	234.00	235.00	Q284179	1.00	0.008
		Pyrite 0.05%	235.00	236.00	Q284180	1.00	<0.005
		F-mg to mg euhedral py in clusters with pressure shadows.					
236.00	237.00	Py00.01	236.00	237.00	Q284181	1.00	0.005
		Pyrite 0.01%					
		Trace fg eu-subhedral py.					
237.00	238.00	Py00.05	237.00	238.00	Q284182	1.00	<0.005
		Pyrite 0.05%	238.00	239.00	Q284183	1.00	<0.005
		F-mg eu-subhedral py clustered along foliation.					
239.00	241.00	Py00.1	239.00	240.00	Q284184	1.00	<0.005
		Pyrite 0.1%					
		F-mg euhedral py in clusters with pressure shadows.					
240.00	241.00	Vn;10%;Qak;In;80°;;	240.00	241.00	Q284185	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 80°					
		10 cm Quartz ankerite veins and veinlets					
241.00	243.00	Py00.1	241.00	242.00	Q284186	1.00	0.007
		Pyrite 0.1%	242.00	243.00	Q284187	1.00	0.005
		Fg euhedral py in clusters with pressure shadows.					
243.00	248.00	Py00.05	243.00	244.00	Q284188	1.00	<0.005
		Pyrite 0.05%	244.00	245.00	Q284189	1.00	0.007
		F-mg euhedral py in clusters along foliation with pressure shadows.	245.00	246.00	Q284190	1.00	0.006
			246.00	247.00	Q284191	1.00	<0.005
			247.00	248.00	Q284192	1.00	<0.005
248.00	252.00	Py00.01	248.00	249.00	Q284193	1.00	<0.005
		Pyrite 0.01%					
		F-mg euhedral py with pressure shadows.					
249.00	250.00	Vn;30%;Qak;In;50°;;	249.00	250.00	Q284194	1.00	<0.005
		vein (5 mm - 10 cm) 30% quartz-ankerite infilled fractures 50°	250.00	251.00	Q284195	1.00	<0.005
		white 30 cm quartz ankerite veins	251.00	252.00	Q284196	1.00	<0.005
252.00	254.00	Py00.05	252.00	253.00	Q284197	1.00	<0.005
		Pyrite 0.05%	253.00	254.00	Q284198	1.00	<0.005
		F-mg euhedral py in clusters with pressure shadows.					
254.00	255.00	Py00.01	254.00	255.00	Q284199	1.00	<0.005
		Pyrite 0.01%					
		F-mg euhedral py with pressure shadows.					
255.00	256.00	Py00.05	255.00	256.00	Q284202	1.00	<0.005
		Pyrite 0.05%					
		F-mg euhedral py in clusters with pressure shadows.					
255.50	256.00	FA					
		Fold axis 20°					
		Small scale sheath fold over 50cm. 15-30 deg tca.					
256.00	290.00	Ank03; Se02; Cl02	256.00	257.00	Q284203	1.00	<0.005
		Ankerite 3; Sericite 2; Chlorite 2					
		Pervasive intense ankerite, pervasive moderate to strong sericite, pervasive moderate chlorite					
256.00	264.90	Fln; DZ					
		Foliation 40°; Deformation Zone					
		Moderate foliation 20-50 DTCA					
256.00	257.00	Py00.1					
		Pyrite 0.1%					
		traces // foliation					
257.00	258.00	Py00.1	257.00	258.00	Q284204	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces // foliation					
258.00	259.50	Py00.5	258.00	259.50	Q284205	1.50	<0.005
		Pyrite 0.5%					
		euhedral pyrite // foliation					
259.50	261.00	Py00.2	259.50	261.00	Q284206	1.50	<0.005
		Pyrite 0.2%					
		euhedral pyrite // foliation					
260.00	261.00	Vm;20%;Qak;In;60°;;					
		major vein (10 cm or greater) 20% quartz-ankerite infilled fractures 60°					
		20 cm quartz ankerite veins, with veinlets					
261.00	262.50	Py00.2	261.00	262.50	Q284207	1.50	<0.005
		Pyrite 0.2%					
		traces euhedral pyrite // foliation					
262.50	264.00	Py00.5	262.50	264.00	Q284208	1.50	<0.005
		Pyrite 0.5%					
		euhedral pyrite // foliation					
264.00	265.50	Py01	264.00	265.50	Q284209	1.50	0.011
		Pyrite 1%					
		euhedral pyrite // foliation or disseminated					
264.90	266.60	Bxh; Fln; DZ					
		Breccia healed; Foliation 50°; Deformation Zone					
		Localized breccia associate to foliation 40-60 DTCA					
265.50	267.00	Py01	265.50	267.00	Q284210	1.50	<0.005
		Pyrite 1%					
		euhedral pyrite // foliation or disseminated					
266.00	267.00	Vn;5%;Qak;Sk;50°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite stockwork 50°					
		quartz-ankerite veins 1-2 cm or stockwork					
266.60	399.00	Fln; DZ; DZ					
		Foliation 40°; Deformation Zone; Deformation Zone					
		Moderate to strong foliation 30-50 DTCA					
267.00	268.50	Py01	267.00	268.50	Q284211	1.50	0.016
		Pyrite 1%					
		euhedral pyrite // foliation or disseminated					
268.50	270.00	Py01	268.50	270.00	Q284212	1.50	0.009
		Pyrite 1%					
		euhedral pyrite // foliation or disseminated					
270.00	271.50	Py01	270.00	271.50	Q284213	1.50	0.005
		Pyrite 1%					
		euhedral pyrite // foliation or disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
271.00	272.00	Vm;30%;Qak;In;60°;Mo00.1; **major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 60° Molybdenite** **0.1%** lightly grey quartz ankerite vein					
271.50	273.00	Py00.1 **Pyrite 0.1%** Traces	271.50	273.00	Q284214	1.50	<0.005
273.00	274.50	Py00.1; Mo00.1 **Pyrite 0.1%; Molybdenite 0.1%** traces pyrite, trace of Molybdenite in vein					
273.00	275.00	Vn;10%;Qak;In;60°;; **vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 60°** 10 cm Lightly grey quartz ankerite veins	273.00	274.50	Q284215	1.50	<0.005
274.50	276.00	Py00.1 **Pyrite 0.1%** Traces	274.50	276.00	Q284216	1.50	<0.005
276.00	277.50	Py00.1 **Pyrite 0.1%** Traces	276.00	277.50	Q284217	1.50	<0.005
277.50	279.00	Py00.1 **Pyrite 0.1%** Traces	277.50	279.00	Q284218	1.50	0.012
279.00	280.50	Py00.2 **Pyrite 0.2%** Traces					
279.00	280.50	Vn;2%;Qak;In;30°;; **vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 30°** 1-2 cm quatz ankerite veins	279.00	280.50	Q284219	1.50	0.014
280.50	282.00	Py00.1 **Pyrite 0.1%** Traces	280.50	282.00	Q284220	1.50	<0.005
282.00	283.50	Py00.1 **Pyrite 0.1%** Traces	282.00	283.50	Q284221	1.50	<0.005
283.50	285.00	Py00.1 **Pyrite 0.1%** Traces	283.50	285.00	Q284222	1.50	<0.005
285.00	286.50	Py00.2 **Pyrite 0.2%** Traces of pyrite in veins	285.00	286.50	Q284223	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
286.50	288.00	Py00.1	286.50	288.00	Q284224	1.50	<0.005
		Pyrite 0.1%					
		traces					
288.00	289.50	Py00.1	288.00	289.50	Q284227	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite // foliation					
289.50	291.00	Py00.1	289.50	291.00	Q284228	1.50	<0.005
		Pyrite 0.1%					
		Traces of pyrite // foliation					
290.00	355.50	Se03; Ank02; Cl02					
		Sericite 3; Ankerite 2; Chlorite 2					
		Strong pervasive sericite, moderate pervasive ankerite-chlorite					
291.00	292.50	Py00.1	291.00	292.50	Q284229	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite // foliation					
292.50	294.00	Py00.1	292.50	294.00	Q284230	1.50	<0.005
		Pyrite 0.1%					
		Traces					
294.00	295.50	Py	294.00	295.50	Q284231	1.50	<0.005
		Pyrite					
		traces					
294.00	295.00	Vn;3%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40°					
		3-8 cm quartz ankerite veins					
295.50	297.00	Py00.1	295.50	297.00	Q284232	1.50	<0.005
		Pyrite 0.1%					
		traces					
297.00	298.50	Py00.1	297.00	298.50	Q284233	1.50	0.005
		Pyrite 0.1%					
		traces					
298.50	300.00	Py00.1	298.50	300.00	Q284234	1.50	<0.005
		Pyrite 0.1%					
		traces					
300.00	301.50	Py00.2	300.00	301.50	Q284235	1.50	0.008
		Pyrite 0.2%					
		traces parallel foliation					
301.50	303.00	Py00.1	301.50	303.00	Q284236	1.50	0.012
		Pyrite 0.1%					
		traces // foliation					
303.00	304.50	Py00.1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces // foliation					
303.00	306.00	Vn;2%;Qak;In;5°;;	303.00	304.50	Q284237	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 5°					
		small quartz ankerite vein //CA					
304.50	306.00	Py00.1	304.50	306.00	Q284238	1.50	<0.005
		Pyrite 0.1%					
		traces // foliation					
306.00	307.50	Py00.1	306.00	307.50	Q284239	1.50	<0.005
		Pyrite 0.1%					
		traces // foliation					
307.50	309.00	Py00.1	307.50	309.00	Q284240	1.50	<0.005
		Pyrite 0.1%					
		traces // foliation					
309.00	310.50	Py00.1					
		Pyrite 0.1%					
		traces // foliation					
309.00	311.00	Vn;5%;Qak;In;40°;Py00.5;	309.00	310.50	Q284241	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 40° Pyrite 0.5%					
		Purple quartz -ankerite veins 5-7-20 cm					
310.50	312.00	Py00.1	310.50	312.00	Q284242	1.50	<0.005
		Pyrite 0.1%					
		traces // foliation					
312.00	313.50	Py00.1	312.00	313.50	Q284243	1.50	<0.005
		Pyrite 0.1%					
		traces // foliation					
313.50	315.00	Py00.1	313.50	315.00	Q284244	1.50	<0.005
		Pyrite 0.1%					
		traces // foliation					
315.00	316.50	Py00.1	315.00	316.50	Q284245	1.50	<0.005
		Pyrite 0.1%					
		traces // foliation					
315.00	315.50	Vm;30%;Qak;In;40°;Py00.2;					
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 40° Pyrite 0.2%					
		Pinkish quartz-ankerite veins with 20-30 cm with traces of pyrite					
316.50	318.00	Py00.5	316.50	318.00	Q284246	1.50	<0.005
		Pyrite 0.5%					
		fine and euhedral pyrite // foliation					
318.00	319.50	Py00.5	318.00	319.50	Q284247	1.50	<0.005
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine and euhedral pyrite // foliation					
319.50	321.00	Py00.5	319.50	321.00	Q284248	1.50	<0.005
		Pyrite 0.5%					
		fine and euhedral pyrite // foliation					
321.00	322.50	Py00.2	321.00	322.50	Q284249	1.50	<0.005
		Pyrite 0.2%					
		fine and euhedral pyrite // foliation					
322.50	324.00	Py00.2	322.50	324.00	Q284252	1.50	0.008
		Pyrite 0.2%					
		traces pyrite // foliation					
323.00	324.00	Vn;5%;Qak;Sk;30°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite stockwork 30°					
		quartz-ankerite veins and veinlets.					
324.00	325.50	Py00.5	324.00	325.50	Q284253	1.50	0.009
		Pyrite 0.5%					
		fine and euhedral pyrite // foliation					
325.50	327.00	Py00.5	325.50	327.00	Q284254	1.50	0.011
		Pyrite 0.5%					
		fine and euhedral pyrite // foliation					
327.00	328.50	Py00.5	327.00	328.50	Q284255	1.50	0.009
		Pyrite 0.5%					
		fine and euhedral pyrite // foliation					
327.00	328.00	Vm;20%;Qak;In;30°;;					
		major vein (10 cm or greater) 20% quartz-ankerite infilled fractures 30°					
		25 cm quartz ankerite vein					
328.50	330.00	Py00.5	328.50	330.00	Q284256	1.50	0.005
		Pyrite 0.5%					
		fine and euhedral pyrite // foliation					
330.00	331.50	Py00.5	330.00	331.50	Q284257	1.50	<0.005
		Pyrite 0.5%					
		fine and euhedral pyrite in veins					
331.50	333.00	Py00.2	331.50	333.00	Q284258	1.50	0.011
		Pyrite 0.2%					
		traces fine and euhedral pyrite // foliation					
333.00	334.50	Py00.2	333.00	334.50	Q284259	1.50	0.006
		Pyrite 0.2%					
		fine and euhedral pyrite // foliation					
334.50	336.00	Py00.5	334.50	336.00	Q284260	1.50	0.006
		Pyrite 0.5%					
		fine and euhedral pyrite in veins					

Description			Assay				
			From	To	Sample number	Length	AuBest
336.00	337.50	Py00.2 **Pyrite 0.2%** fine and euhedral pyrite // foliation	336.00	337.50	Q284261	1.50	<0.005
337.50	339.00	Py00.5 **Pyrite 0.5%** fine and euhedral pyrite in veins					
337.50	339.00	Vn;3%;Qak;In;40°;Py00.2 Mo00.1; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40° Pyrite 0.2% Molybdenite 0.1%** 2-5 cm pleaded quartz ankerite veins	337.50	339.00	Q284262	1.50	0.023
339.00	340.50	Py00.5 **Pyrite 0.5%** fine and euhedral pyrite // foliation	339.00	340.50	Q284263	1.50	0.039
340.50	342.00	Py00.2 **Pyrite 0.2%** Traces of pyrite // foliation	340.50	342.00	Q284264	1.50	0.01
342.00	343.50	Py00.2 **Pyrite 0.2%** traces of pyrite // foliation	342.00	343.50	Q284265	1.50	<0.005
343.50	345.00	Py01 **Pyrite 1%** fine and euhedral pyrite in veins	343.50	345.00	Q284266	1.50	0.006
345.00	346.50	Py00.2 **Pyrite 0.2%** fine and euhedral pyrite // foliation	345.00	346.50	Q284267	1.50	0.032
346.50	348.00	Py00.2 **Pyrite 0.2%** fine and euhedral pyrite // foliation	346.50	348.00	Q284268	1.50	<0.005
348.00	349.50	Py00.5 **Pyrite 0.5%** fine and euhedral pyrite // foliation	348.00	349.50	Q284269	1.50	0.006
349.50	351.00	Py00.2 **Pyrite 0.2%** fine and euhedral pyrite // foliation	349.50	351.00	Q284270	1.50	0.011
351.00	352.50	Py00.2 **Pyrite 0.2%** fine and euhedral pyrite // foliation	351.00	352.50	Q284271	1.50	<0.005
352.50	354.00	Py00.1 **Pyrite 0.1%** traces of fine and euhedral pyrite // foliation	352.50	354.00	Q284272	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
354.00	355.50	Py00.1 **Pyrite 0.1%** traces of fine and euhedral pyrite // foliation	354.00	355.50	Q284273	1.50	<0.005
355.50	399.00	Ank02; Se02; Cl03 **Ankerite 2; Sericite 2; Chlorite 3** Intense pervasive chlorite, moderate pervasive sericite-ankerite	355.50	357.00	Q284274	1.50	<0.005
355.50	357.00	Py00.1 **Pyrite 0.1%** fine and euhedral pyrite // foliation					
357.00	358.50	Py00.1 **Pyrite 0.1%** traces of fine grained pyrite // foliation	357.00	358.50	Q284277	1.50	<0.005
358.50	360.00	Py00.2 **Pyrite 0.2%** fine and euhedral pyrite // foliation					
358.50	360.60	Vn;5%;Qak;In;50°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 50° Pyrite 0.1%** 2-10 cm quartz -ankerite veins	358.50	360.00	Q284278	1.50	<0.005
360.00	361.50	Mo00.1 **Molybdenite 0.1%** traces of Molybdenite	360.00	361.50	Q284279	1.50	<0.005
361.50	363.00	Py00.1 **Pyrite 0.1%** Traces of fine grained pyrite // foliation	361.50	363.00	Q284280	1.50	<0.005
363.00	364.50	Py00.5 **Pyrite 0.5%** Fine and euhedral pyrite in viens	363.00	364.50	Q284281	1.50	<0.005
364.50	366.00	Py00.1 **Pyrite 0.1%** trace of pyrite in veins					
364.50	372.00	Vn;5%;Qak;In;70°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70° Pyrite 0.1%** 2-5 cm quartz-ankerite veinlets	364.50	366.00	Q284282	1.50	<0.005
366.00	367.50	Py00.2 **Pyrite 0.2%** traces of pyrite in veins	366.00	367.50	Q284283	1.50	<0.005
367.50	369.00	Py02 **Pyrite 2%** euhedral and fine grained pyrite disseminted or in veins	367.50	369.00	Q284284	1.50	0.107
369.00	370.50	Py02	369.00	370.50	Q284285	1.50	0.147

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%					
		euhedral and fine grained pyrite disseminted or in veins					
370.50	372.00	Py04	370.50	372.00	Q284286	1.50	0.248
		Pyrite 4%					
		euhedral and fine grained pyrite disseminted or in veins					
372.00	373.50	Py04	372.00	373.50	Q284287	1.50	0.144
		Pyrite 4%					
		euhedral and fine grained pyrite disseminted or in veins					
372.50	373.50	Vm;20%;Qak;In;70°;Py00.1;					
		major vein (10 cm or greater) 20% quartz-ankerite infilled fractures 70° Pyrite 0.1%					
		5-20 cm quartz ankerite veins with traces of pyrite					
373.50	375.00	Py01	373.50	375.00	Q284288	1.50	0.06
		Pyrite 1%					
		euhedral and fine grained pyrite disseminted or in veins					
375.00	376.50	Py00.5	375.00	376.50	Q284289	1.50	0.034
		Pyrite 0.5%					
		traces of euhedral and fine grained pyrite					
376.50	378.00	Py00.5; As00.2	376.50	378.00	Q284290	1.50	0.038
		Pyrite 0.5%; Arsenopyrite 0.2%					
		euhedral and fine grained pyrite disseminted or in veins trace of euhedral arsenopyrite					
378.00	379.50	Py00.2; As00.1	378.00	379.50	Q284291	1.50	0.015
		Pyrite 0.2%; Arsenopyrite 0.1%					
		traces of pyrite and arsenopyrite 0.1%					
379.50	381.00	Py00.2; As00.1	379.50	381.00	Q284292	1.50	0.013
		Pyrite 0.2%; Arsenopyrite 0.1%					
		traces Pyrite rsenopyrite 0.1%					
381.00	382.50	Py00.1	381.00	382.50	Q284293	1.50	0.011
		Pyrite 0.1%					
		fine grained pyrite					
382.50	384.00	Py00.1	382.50	384.00	Q284294	1.50	0.013
		Pyrite 0.1%					
		traces of fine grained pyrite					
384.00	385.50	Py00.2	384.00	385.50	Q284295	1.50	0.122
		Pyrite 0.2%					
		trace of fine grained pyrite					
385.50	387.00	Py01					
		Pyrite 1%					
		Fine and euhedral pyrite dissemited viens					
385.50	389.20	Vm;70%;Qak;Sk;60°;Py00.5;	385.50	387.00	Q284296	1.50	0.544
		major vein (10 cm or greater) 70% quartz-ankerite stockwork 60° Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		infilled and stockwork quartz-ankerite veins and veinlets.					
387.00	388.50	Py01	387.00	388.50	Q284297	1.50	0.259
		Pyrite 1%					
		Fine and euhedral pyrite disseminated viens					
388.50	390.00	Py01	388.50	390.00	Q284298	1.50	0.824
		Pyrite 1%					
		Fine and euhedral pyrite disseminated viens					
390.00	391.50	Py00.2	390.00	391.50	Q284299	1.50	0.005
		Pyrite 0.2%					
		traces of pyrite					
391.50	393.00	Py00.1	391.50	393.00	Q284302	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
393.00	394.50	Py00.1	393.00	394.50	Q284303	1.50	0.019
		Pyrite 0.1%					
		traces of pyrite					
394.50	396.00	Py00.1	394.50	396.00	Q284304	1.50	0.02
		Pyrite 0.1%					
		traces of pyrite					
396.00	397.50	Py00.1	396.00	397.50	Q284305	1.50	0.222
		Pyrite 0.1%					
		traces euhedral pyrite					
397.50	399.00	Py00.1	397.50	399.00	Q284306	1.50	0.013
		Pyrite 0.1%					
		traces euhedral pyrite					
399.00	414.00	Ca02; Ank02; Cl02; Se01					
		Calcite 2; Ankerite 2; Chlorite 2; Sericite 1					
		pervasive weak to moderate calcite, moerate pervasive ankerite-chlorite, weak sericite					
399.00	481.50	Fln; Bxh; DZ	399.00	400.50	Q284307	1.50	0.013
		Foliation 60°; Breccia healed; Deformation Zone					
		Weak to moderate foliation 40-70 DTCA, fragments of clast breccied the unit					
399.00	400.50	Py00.1					
		Pyrite 0.1%					
		traces euhedral pyrite					
400.50	402.00	Py00.1	400.50	402.00	Q284308	1.50	0.013
		Pyrite 0.1%					
		traces euhedral pyrite					
402.00	403.50	Py00.1	402.00	403.50	Q284309	1.50	<0.005
		Pyrite 0.1%					
		traces euhedral pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
403.50	405.00	Py00.1 **Pyrite 0.1%** traces euhedral pyrite	403.50	405.00	Q284310	1.50	0.008
405.00	406.50	Py00.1 **Pyrite 0.1%** traces euhedral pyrite	405.00	406.50	Q284311	1.50	0.017
406.50	408.00	Py00.1 **Pyrite 0.1%** traces euhedral pyrite	406.50	408.00	Q284312	1.50	0.091
407.70	478.70	V4MTa; PyroTuff; Bx; Fol **Trachyte mafic tuff altered; PYROCLASTIC (TUFFACEOUS); Brecciated ; Foliated** Medium grey to yellowy green trachyte tuff with stretched lapilli and pumice, groundmass with dispersed medium to coarse mantled porphyroblasts with weak to moderate foliation and moderate ducrtile deformation observe in veins. localized C-S fabric. The unit is altered moderate to strong sericite-ankerite, moderate pervasive chlorite, Pyrite traces to 2%.					
408.00	409.50	Py00.1 **Pyrite 0.1%** traces euhedral pyrite disseminated	408.00	409.50	Q284313	1.50	0.008
409.50	411.00	Py00.1; Mg00.2 **Pyrite 0.1%; Magnetite 0.2%** traces euhedral pyrite and magnetite disseminated	409.50	411.00	Q284314	1.50	0.005
411.00	412.50	Py00.1 **Pyrite 0.1%** traces euhedral pyrite	411.00	412.50	Q284315	1.50	0.006
412.50	414.00	Py00.1 **Pyrite 0.1%** traces euhedral pyrite	412.50	414.00	Q284316	1.50	0.01
414.00	429.00	Ank03; Se02; Cl02 **Ankerite 3; Sericite 2; Chlorite 2** intense pervasive ankerite, moderate pervasive sericite and chlorite	414.00	415.50	Q284317	1.50	0.006
414.00	415.50	Py00.1 **Pyrite 0.1%** traces euhedral pyrite					
415.50	417.00	Py00.1 **Pyrite 0.1%** traces euhedral pyrite	415.50	417.00	Q284318	1.50	0.005
417.00	418.50	Py00.1 **Pyrite 0.1%** traces euhedral pyrite	417.00	418.50	Q284319	1.50	<0.005
418.50	420.00	Py00.2	418.50	420.00	Q284320	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces euhedral pyrite disseminated					
420.00	421.50	Py02					
		Pyrite 2%					
		euhedral and fine pyrite disseminated					
420.00	424.00	Vn;5%;Qak;In;70°;;	420.00	421.50	Q284321	1.50	0.022
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70°					
		1-10 cm quartz-ankerite veins					
421.50	423.00	Py02	421.50	423.00	Q284322	1.50	0.017
		Pyrite 2%					
		euhedral and fine grained pyrite disseminated					
423.00	424.50	Py01	423.00	424.50	Q284323	1.50	0.047
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
424.50	426.00	Py00.2	424.50	426.00	Q284324	1.50	0.013
		Pyrite 0.2%					
		traces euhedral pyrite disseminated					
426.00	427.50	Py00.2	426.00	427.50	Q284327	1.50	0.032
		Pyrite 0.2%					
		traces of euhedral and pyrite disseminated					
427.50	429.00	Py00.2	427.50	429.00	Q284328	1.50	0.012
		Pyrite 0.2%					
		traces of euhedral pyrite disseminated					
429.00	478.70	Se03; Ank03; Cl02	429.00	430.50	Q284329	1.50	0.023
		Sericite 3; Ankerite 3; Chlorite 2					
		intense pervasive sericite-ankerite, moderate pervasive chlorite					
429.00	430.50	Py00.5					
		Pyrite 0.5%					
		Fine and euhedral pyrite disseminated					
430.50	432.00	Py00.5	430.50	432.00	Q284330	1.50	0.013
		Pyrite 0.5%					
		Fine and euhedral pyrite disseminated					
432.00	433.50	Py00.5	432.00	433.50	Q284331	1.50	0.017
		Pyrite 0.5%					
		euhedral pyrite disseminated					
433.50	435.00	Py00.5	433.50	435.00	Q284332	1.50	0.016
		Pyrite 0.5%					
		euhedral pyrite disseminated					
435.00	436.50	Py01	435.00	436.50	Q284333	1.50	0.028
		Pyrite 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		euhedral and fine grained pyrite disseminated					
436.50	438.00	Py01	436.50	438.00	Q284334	1.50	0.066
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
438.00	439.50	Py02	438.00	439.50	Q284335	1.50	0.055
		Pyrite 2%					
		Fine grained and euhedral pyrite disseminated					
439.50	441.00	Py02	439.50	441.00	Q284336	1.50	0.092
		Pyrite 2%					
		fine grained and euhedral pyrite disseminated					
441.00	442.50	Py01	441.00	442.50	Q284337	1.50	0.082
		Pyrite 1%					
		Fine grained and euhedral pyrite disseminated					
442.50	444.00	Py02	442.50	444.00	Q284338	1.50	0.047
		Pyrite 2%					
		euhedral and fine grained pyrite disseminated					
444.00	445.50	Py00.2	444.00	445.50	Q284339	1.50	0.022
		Pyrite 0.2%					
		traces euhedral pyrite disseminated					
445.50	447.00	Py00.2	445.50	447.00	Q284340	1.50	0.059
		Pyrite 0.2%					
		Traces of euhedral pyrite					
447.00	448.50	Py00.5	447.00	448.50	Q284341	1.50	0.254
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
448.50	450.00	Py00.5	448.50	450.00	Q284342	1.50	0.452
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
450.00	451.50	Py02	450.00	451.50	Q284343	1.50	0.34
		Pyrite 2%					
		Fine grained and euhedral pyrite disseminated					
451.50	453.00	Py01	451.50	453.00	Q284344	1.50	0.145
		Pyrite 1%					
		Fine grained and euhedral pyrite disseminated					
453.00	454.50	Py00.5	453.00	454.50	Q284345	1.50	0.102
		Pyrite 0.5%					
		fine and euhedral pyrite disseminated					
454.50	456.00	Py00.5	454.50	456.00	Q284346	1.50	0.143
		Pyrite 0.5%					
		euhedral pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
456.00	457.50	Py00.5	456.00	457.50	Q284347	1.50	0.19
		Pyrite 0.5%					
		euhedral pyrite disseminated					
457.50	459.00	Py00.5	457.50	459.00	Q284348	1.50	0.106
		Pyrite 0.5%					
		euhedral pyrite disseminated					
459.00	460.50	Py00.5	459.00	460.50	Q284349	1.50	0.11
		Pyrite 0.5%					
		euhedral pyrite disseminated					
460.50	462.00	Py00.5	460.50	462.00	Q284352	1.50	0.064
		Pyrite 0.5%					
		euhedral pyrite disseminated					
461.50	466.00	Vn;2%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 60°					
		2-5 cm quartz-ankerite vein					
462.00	463.50	Py00.5	462.00	463.50	Q284353	1.50	0.171
		Pyrite 0.5%					
		euhedral and I pyrite disseminated					
463.50	465.00	Py00.2	463.50	465.00	Q284354	1.50	0.427
		Pyrite 0.2%					
		traces pyrite					
465.00	466.50	Py00.1	465.00	466.50	Q284355	1.50	0.155
		Pyrite 0.1%					
		traces of pyrite					
466.50	468.00	Py00.2	466.50	468.00	Q284356	1.50	0.197
		Pyrite 0.2%					
		traces of pyrite					
468.00	469.50	Py00.5	468.00	469.50	Q284357	1.50	0.237
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
469.50	471.00	Py00.5	469.50	471.00	Q284358	1.50	0.436
		Pyrite 0.5%					
		Euhedral and fine grainesd pyrite					
471.00	472.50	Py00.5	471.00	472.50	Q284359	1.50	0.547
		Pyrite 0.5%					
		Fine grained and euhedral pyrite					
472.50	474.00	Py00.1	472.50	474.00	Q284360	1.50	0.031
		Pyrite 0.1%					
		traces of pyrite					
474.00	475.50	Py00.1	474.00	475.50	Q284361	1.50	0.105

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
475.50	477.00	Py00.2	475.50	477.00	Q284362	1.50	0.133
		Pyrite 0.2%					
		traces of pyrite					
477.00	478.50	Py00.2	477.00	478.50	Q284363	1.50	0.063
		Pyrite 0.2%					
		traces of pyrite					
478.50	480.00	Py00.1	478.50	480.00	Q284364	1.50	0.125
		Pyrite 0.1%					
		traces of pyrite					
478.70	493.34	Ank03; Se02; Cl02					
		Ankerite 3; Sericite 2; Chlorite 2					
		Pervasive intense ankerite, moderate intermittant sericite, moderte-intense pervasive chlorite					
479.00	484.50	Vn;3%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°					
		2-5 cm quartz ankerite veins					
480.00	481.50	Py00.1	480.00	481.50	Q284365	1.50	0.015
		Pyrite 0.1%					
		Traces of pyrite					
481.50	534.00	Fln	481.50	483.00	Q284366	1.50	0.409
		Foliation 40°					
		weak pervasive foliation					
481.50	483.00	Py01					
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
483.00	484.50	Py00.5	483.00	484.50	Q284367	1.50	0.073
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
484.50	486.00	Py02	484.50	486.00	Q284368	1.50	0.54
		Pyrite 2%					
		euhedral and fine grained pyrite disseminated or in vein					
486.00	487.50	Py02					
		Pyrite 2%					
		euhedral and fine grained pyrite disseminated					
486.00	487.50	Vm;60%;Qak;Sk;;;	486.00	487.50	Q284369	1.50	0.253
		major vein (10 cm or greater) 60% quartz-ankerite stockwork					
		Quartz-Ankerite veins, localized 70 DTCA					
487.50	489.00	Py00.1	487.50	489.00	Q284370	1.50	0.011
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
489.00	490.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
489.00	493.50	Vn;3%;Qak;In;70°;;	489.00	490.50	Q284371	1.50	0.025
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°					
		2-3 cm quartz ankerite veins					
490.50	492.00	Py00.1	490.50	492.00	Q284372	1.50	0.184
		Pyrite 0.1%					
		trace of disseminated pyrite					
492.00	493.50	Py00.1	492.00	493.50	Q284373	1.50	0.222
		Pyrite 0.1%					
		traces of pyrite					
493.34	499.50	Se03; Ank03; Cl02					
		Sericite 3; Ankerite 3; Chlorite 2					
		Pervasive intense sericite -ankerite alteration, moderte chlorite					
493.50	495.00	Py00.1	493.50	495.00	Q284374	1.50	0.149
		Pyrite 0.1%					
		trace of disseminated pyrite					
495.00	496.50	Py00.1	495.00	496.50	Q284377	1.50	0.093
		Pyrite 0.1%					
		traces of disseminated pyrite					
496.50	498.00	Py00.2	496.50	498.00	Q284378	1.50	0.006
		Pyrite 0.2%					
		traces of disseminated pyrite					
498.00	499.50	Py00.1	498.00	499.50	Q284379	1.50	0.029
		Pyrite 0.1%					
		trace of pyrite					
499.50	534.00	Ca02; Cl03	499.50	501.00	Q284380	1.50	0.054
		Calcite 2; Chlorite 3					
		Pervasive intense chlorite, weak to moderate calcite, traces of sericite					
499.50	501.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
500.00	501.00	Vn;5%;Qak;In;30°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 30°					
		5 cm quartz-ankerite vein					
500.50	534.00	V4; Por					
		Trachyte 50°; Porphyritic					
		Meduim grey- dark green overprinted pink porphyritic trachyte 5-10% cristal (translucent or ligthly pink 0.1-0.4					

Description			Assay				
			From	To	Sample number	Length	AuBest
		cm), weak intermittant foliation, the unit is altered weak to moderate calcite, weak ankerite in veins, moderate chlorite, weakly pervasive magnetism. Generally trace pyrite.					
501.00	502.50	Py00.1 **Pyrite 0.1%** traces of pyrite	501.00	502.50	Q284381	1.50	0.008
502.50	504.00	Py00.2 **Pyrite 0.2%** traces of pyrite	502.50	504.00	Q284382	1.50	0.006
504.00	505.50	Py00.1 **Pyrite 0.1%** traces of pyrite	504.00	505.50	Q284383	1.50	<0.005
505.50	507.00	Py00.1 **Pyrite 0.1%** traces of pyrite	505.50	507.00	Q284384	1.50	<0.005
507.00	508.50	Py00.1 **Pyrite 0.1%** trace of pyrite					
507.00	516.00	Vn;3%;Qak;In;60°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°** 0.5-10 cm quartz ankerite-calcite veins	507.00	508.50	Q284385	1.50	<0.005
508.50	510.00	Py00.1 **Pyrite 0.1%** traces of pyrite	508.50	510.00	Q284386	1.50	<0.005
510.00	511.50	Py00.1 **Pyrite 0.1%** traces of pyrite	510.00	511.50	Q284387	1.50	0.021
511.50	513.00	Py00.1 **Pyrite 0.1%** traces of pyrite	511.50	513.00	Q284388	1.50	0.058
513.00	514.50	Py00.1 **Pyrite 0.1%** traces of pyrite	513.00	514.50	Q284389	1.50	0.014
514.50	516.00	Py00.1 **Pyrite 0.1%** traces of pyrite	514.50	516.00	Q284390	1.50	<0.005
516.00	517.50	Py00.1 **Pyrite 0.1%** traces of pyrite	516.00	517.50	Q284391	1.50	<0.005
517.50	519.00	Py00.1 **Pyrite 0.1%**	517.50	519.00	Q284392	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
519.00	520.50	Py00.1	519.00	520.50	Q284393	1.50	0.043
		Pyrite 0.1%					
		traces of pyrite					
520.50	522.00	Py00.1	520.50	522.00	Q284394	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
522.00	523.50	Py00.1	522.00	523.50	Q284395	1.50	0.021
		Pyrite 0.1%					
		traces of pyrite					
523.50	525.00	Py00.1	523.50	525.00	Q284396	1.50	0.086
		Pyrite 0.1%					
		traces of pyrite					
525.00	526.50	Py00.1	525.00	526.50	Q284397	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
526.50	528.00	Py00.1	526.50	528.00	Q284398	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
528.00	529.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
528.00	534.00	Vn;3%;Qak;In;70°;;	528.00	529.50	Q284399	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°					
		0.5-2 cm quartz-ankerite veins					
529.50	531.00	Py00.1	529.50	531.00	Q284402	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
531.00	532.50	Py00.1	531.00	532.50	Q284403	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
532.50	534.00	Py00.1	532.50	534.00	Q284404	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
534.00		**End of DDH**					
		Number of samples: 384					
		Number of QAQC samples: 34					
		Total sampled length: 476.00					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_41

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Frank Ploeger	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	26/02/2014	Description date:	
		To:	06/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 471.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,378.172
North	0.0	0.000	5,331,443.900
Elevation	0.0	0.000	338.548

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	102.00	6.0°	-51.3°	No	Mag = 55531
ReflexEZS	150.00	6.0°	-51.5°	No	Mag = 56225
ReflexEZS	201.00	4.6°	-52.1°	No	Mag = 55829
ReflexEZS	252.00	4.8°	-52.4°	No	Mag = 55644
ReflexEZS	300.00	6.0°	-51.8°	No	Mag:55504; Data from Frank Ploeger
ReflexEZS	360.00	6.3°	-50.6°	No	Mag:55624; Data from Frank Ploeger
ReflexEZS	420.00	6.5°	-49.4°	No	Mag = 55468

Description

east of holes #32/ 37, Top of Biroco zone, Re-logged by Mike Laliberty Sept 2014.

Core size: NQ Cemented: No Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	60.40	OVB						
		Overburden						
		60.4m of overburden.						
60.40	74.80	V4; Tuff; Fol						
		Trachyte; TUFF; Foliated						
		Dark grey fine grained moderately to strongly foliated (0-20 dtca) trachyte tuff with occaional trachyte flow intervals. Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration. Weakly to moderately magnetic. Overall 1-2% with localized higher concentrations of qtz/ankerite/chlorite +/- potassic alteration veins with occasional minor calcite. Generally trace but locally up to 1-2% py associated with boudinaged qtz/ankerite stringers that run parallel to foliation.						
60.40	76.50	Ca01; Cl01; Se01; K01						
		Calcite 1; Chlorite 1; Sericite 1; Potassic 1						
		Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.						
60.40	117.90	Fln		60.40	61.00	P122422	0.60	<0.005
		Foliation 10°		61.00	62.00	P122423	1.00	<0.005
		Weak to moderate foliation at 0-20 dtca.		62.00	63.00	P122424	1.00	<0.005
				63.00	64.00	P122427	1.00	<0.005
				64.00	65.00	P122428	1.00	<0.005
				65.00	66.00	P122429	1.00	<0.005
				66.00	67.00	P122430	1.00	<0.005
				67.00	68.00	P122431	1.00	<0.005
				68.00	69.00	P122432	1.00	<0.005
				69.00	70.00	P122433	1.00	<0.005
				70.00	71.00	P122434	1.00	<0.005
				71.00	72.00	P122435	1.00	<0.005
				72.00	73.00	P122436	1.00	<0.005
72.50	81.90	Vn;60%;Qac;In;;Py00.5;		73.00	74.00	P122437	1.00	<0.005
		vein (5 mm - 10 cm) 60% quartz-ankerite-chlorite infilled fractures Pyrite 0.5%		74.00	75.00	P122438	1.00	<0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. 0.5-1% py associated with sericite along margins.						
74.80	81.90	V4; Tuff; CVZ		75.00	76.00	P122439	1.00	<0.005
		Trachyte; TUFF; Carb Vein Zone		76.00	77.00	P122440	1.00	<0.005
		The trachyte tuff is host to 70% qtz-ank-hem stringers oriented at 30-90dtca. The stringers are 3-10mm thick and wormy in shape. They cross-cut the foliation and the unit. They are a pink colour (hem staining). Along the margins of the stringers, py mineralizes as discontinuous chains of <1-1mm anhedral bronze grains with a						

Description			Assay				
			From	To	Sample number	Length	AuBest
		general orientation of 70-80dtca. The pervasive calcitic alteration becomes pervasive ankeritic alteration at 76.5m.					
76.50	81.90	K02; Ank01; Cl01; Se01 **Potassic 2; Ankerite 1; Chlorite 1; Sericite 1** Weak to locally moderate ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.					
77.00	83.00	Py00.5 **Pyrite 0.5%** 0.5-1% fine diseminations of <1mm py along foliation planes	77.00	78.00	P122441	1.00	<0.005
			78.00	79.00	P122442	1.00	0.006
			79.00	80.00	P122443	1.00	0.005
			80.00	81.00	P122444	1.00	<0.005
			81.00	82.00	P122445	1.00	0.007
81.90	117.90	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Dark grey fine grained moderately to strongly foliated (0-20 dtca) trachyte tuff with occaional trachyte flow intervals. Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration. Weakly to moderately magnetic. Overall 1-2% with localized higher concentrations of qtz/ankerite/chlorite +/- potassic alteration veins with occasional minor calcite. Generally trace but locally up to 1-2% py associated with boudinaged qtz/ankerite stringers that run parallel to foliation. 94.6-95.1m: The V4MT is host to 70% qtz-ank-hem stringers oriented at 30-90dtca. The stringers are 3-10mm thick and wormy in shape. They cross-cut the foliation and the unit. They are a pink colour (hem staining). Along the margins of the stringers, py mineralizes as discontinuous chains of <1-1mm anhedral bronze grains with a general orientation of 70-80dtca. lower contact is fairly sharp with 1-3cm interfingers orietned at 30dtca over a 20cm interval.	82.00	83.00	P122446	1.00	<0.005
81.90	86.90	Ca01; Cl01; Se01; K01 **Calcite 1; Chlorite 1; Sericite 1; Potassic 1** Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.					
82.10	89.10	Vn;5%;Qac;In;;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%** Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. Trace py associated with sericite along margins.	83.00	84.00	P122447	1.00	<0.005
			84.00	85.00	P122448	1.00	<0.005
			85.00	86.00	P122449	1.00	<0.005
			86.00	87.00	P122452	1.00	<0.005
86.90	124.00	Ank01; Cl01; Se01; K01 **Ankerite 1; Chlorite 1; Sericite 1; Potassic 1** Weak to locally moderate ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.	87.00	88.00	P122453	1.00	0.005
			88.00	89.00	P122454	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
89.00	90.00	Py00.5	89.00	90.00	P122455	1.00	0.005
		Pyrite 0.5%	90.00	91.00	P122456	1.00	<0.005
		0.5-1% fine diseminations of <1mm py along foliation planes.	91.00	92.00	P122457	1.00	<0.005
			92.00	93.00	P122458	1.00	<0.005
			93.00	94.00	P122459	1.00	<0.005
93.30	95.30	Vn;20%;Qac;In;;Py00.1;	94.00	95.00	P122460	1.00	0.016
		vein (5 mm - 10 cm) 20% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%	95.00	96.00	P122461	1.00	0.009
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong	96.00	97.00	P122462	1.00	<0.005
		potassic alteration and wispy browninsh green sericite along margins. Trace py associated with sericite along margins.	97.00	98.00	P122463	1.00	0.026
97.50	99.00	Py01	98.00	99.00	P122464	1.00	0.013
		Pyrite 1%	99.00	100.00	P122465	1.00	0.029
		0.5-1% fine diseminations of <1mm py along foliation planes.	100.00	101.00	P122466	1.00	0.005
101.00	101.50	Vn;70%;Qac;In;;Py00.1;	101.00	101.80	P122467	0.80	<0.005
		vein (5 mm - 10 cm) 70% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%					
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. Trace py associated with sericite along margins.					
101.80	102.00	LC	101.80	102.00	MU14_41-101.8-102	0.20	
		Lost Core	102.00	103.00	P122468	1.00	0.018
		Driller's block says 1foot					
102.80	106.50	Py00.5	103.00	104.00	P122469	1.00	0.015
		Pyrite 0.5%	104.00	105.00	P122470	1.00	0.014
		0.5-1% fine diseminations of <1mm py along foliation planes.	105.00	106.00	P122471	1.00	0.006
			106.00	107.00	P122472	1.00	0.005
			107.00	108.00	P122473	1.00	<0.005
			108.00	109.00	P122474	1.00	<0.005
			109.00	110.00	P122477	1.00	<0.005
			110.00	111.00	P122478	1.00	<0.005
			111.00	112.00	P122479	1.00	<0.005
111.90	112.70	Vn;90%;Qac;In;;Py00.5;					
		vein (5 mm - 10 cm) 90% quartz-ankerite-chlorite infilled fractures Pyrite 0.5%					
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. 0.5-1% py associated with sericite along margins.					
112.00	115.00	Py00.5	112.00	113.00	P122480	1.00	<0.005
		Pyrite 0.5%	113.00	114.00	P122481	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		0.5-1% fine diseminations of <1mm py along foliation planes.	114.00	115.00	P122482	1.00	0.01
			115.00	116.00	P122483	1.00	0.005
			116.00	117.00	P122484	1.00	0.006
			117.00	118.00	P122485	1.00	0.011
117.90	162.00	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Similar to previous unit with brown (sericite) staining and moderate foliation. Unlike the last unit the structure is not a highly visible/contrasting colour with blatant striping. The foliation is moderate and blends in with the matrix (foliation = 20-30dtca). There is 1-3% cryptic plag grains aligned to the foliation with a weak trachytic texture. The matrix and plag grains are moderately to strongly ankerite altered. Moderate intermittent magnetism. Generally trace but locally up to 1-2% py associated with boudinaged qtz/ankerite stringers that run parallel to foliation. Gradational contacts.					
117.90	302.20	Fln **Foliation 25°** Moderate foliation at 20-30 dtca.	118.00	119.00	P122486	1.00	0.014
			119.00	120.00	P122487	1.00	0.006
			120.00	121.00	P122488	1.00	<0.005
			121.00	122.00	P122489	1.00	<0.005
			122.00	123.00	P122490	1.00	0.011
			123.00	124.00	P122491	1.00	0.011
117.90	119.40	Py00.5 **Pyrite 0.5%** 0.5-1% fine diseminations of <1mm py along foliation planes.					
124.00	223.60	Ca01; Cl01; Se01; K01 **Calcite 1; Chlorite 1; Sericite 1; Potassic 1** Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.	124.00	125.00	P122492	1.00	0.005
			125.00	126.00	P122493	1.00	0.01
			126.00	127.00	P122494	1.00	<0.005
			127.00	128.00	P122495	1.00	<0.005
			128.00	129.00	P122496	1.00	0.005
			129.00	130.00	P122497	1.00	<0.005
			130.00	131.00	P122498	1.00	<0.005
			131.00	132.00	P122499	1.00	<0.005
			132.00	133.00	P122502	1.00	<0.005
			133.00	134.00	P122503	1.00	0.006
			134.00	135.00	P122504	1.00	<0.005
			135.00	136.00	P122505	1.00	0.007
135.40	146.10	Py00.5 **Pyrite 0.5%** 0.5-1% fine diseminations of <1mm py along foliation planes.	136.00	137.00	P122506	1.00	0.017
			137.00	138.00	P122507	1.00	0.017
			138.00	139.00	P122508	1.00	0.021

Description			Assay				
			From	To	Sample number	Length	AuBest
			139.00	140.00	P122509	1.00	0.012
			140.00	141.00	P122510	1.00	0.012
			141.00	142.00	P122511	1.00	0.005
			142.00	143.00	P122512	1.00	<0.005
			143.00	144.00	P122513	1.00	0.011
			144.00	145.00	P122514	1.00	0.018
			145.00	146.00	P122515	1.00	0.022
			146.00	147.00	P122516	1.00	0.005
			147.00	148.00	P122517	1.00	0.018
147.40	152.60	Py01 **Pyrite 1%** 0.5-1% fine diseminations of <1mm py along foliation planes.	148.00	149.00	P122518	1.00	0.008
			149.00	150.00	P122519	1.00	0.008
			150.00	151.00	P122520	1.00	0.016
			151.00	152.00	P122521	1.00	0.011
			152.00	153.00	P122522	1.00	0.012
153.00	156.50	Py02 **Pyrite 2%** 2% fine diseminations of <1mm py along foliation planes.	153.00	154.00	P122523	1.00	0.012
			154.00	155.00	P122524	1.00	0.013
			155.00	156.00	P122527	1.00	0.015
			156.00	157.00	P122528	1.00	0.015
156.10	156.60	Vn;5%;Qac;In;;Py02; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite infilled fractures Pyrite 2%** Narrow (<1cm wide) pinkish white qtz/ankerite/chlorite + k-spar veining and fracture fill with a moderate potassic alteration and wispy brownish green sericite along margins. 2% py disseminated in surrounding host rock.	157.00	158.00	P122529	1.00	0.006
			158.00	159.00	P122530	1.00	<0.005
			159.00	160.00	P122531	1.00	<0.005
			160.00	161.00	P122532	1.00	<0.005
			161.00	162.00	P122533	1.00	<0.005
162.00	223.80	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Light to medium grey finely laminated tuff. The foliation (20-30 dtca) is more, abundant, wispy and fine and is more suggestive of a volcano-sedimentary protolith instead of a trachytic protolith. Occasional vugs with rusty orange weathering between 171-174m. Weak to moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate sericitic alteration and occasional weak to moderate vein-controlled potassic alteration. Non-magnetic. Generally trace py but locally up to 1-2%. Trace arsenopyrite aasociated with qtz/calcite and/or ankerite veining. 200m: The foliaiton develops a bow shape (bow 1-2m long) with an orientation of 0-20dtca. 206m: the unit becomes a darker colour (more black); there are chl replaced grains instead of ank. A blackish coloured mafic tuff, siimilar to the previous tuff. The unit is fine grained with 1-2mm deformed green chl grains	162.00	163.00	P122534	1.00	0.005
			163.00	164.00	P122535	1.00	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		1-3% abundant and follow a rough foliation of 20dtca. Some of the chl grains have fiamme shapes (infilling relicts). There is <1% qtz-ank veins oriented at 30 & 80dtca. There is no visible sulphide. lower contact looks like an alt'n contact = 90dtca					
163.20	167.30	Py00.5 **Pyrite 0.5%** 0.5-1% fine diseminations of <1mm py along foliation planes	164.00	165.00	P122536	1.00	0.014
			165.00	166.00	P122537	1.00	0.025
			166.00	167.00	P122538	1.00	0.011
			167.00	168.00	P122539	1.00	<0.005
			168.00	169.00	P122540	1.00	<0.005
			169.00	170.00	P122541	1.00	<0.005
			170.00	171.00	P122542	1.00	<0.005
			171.00	172.00	P122543	1.00	0.008
171.40	174.00	Py00.5 **Pyrite 0.5%** 0.5-1% fine diseminations of <1mm py along foliation planes.	172.00	173.00	P122544	1.00	<0.005
			173.00	174.00	P122545	1.00	0.006
			174.00	175.00	P122546	1.00	<0.005
			175.00	176.00	P122547	1.00	0.005
175.30	175.60	Vm;60%;Qac;;;Py00.1; **major vein (10 cm or greater) 60% quartz-ankerite-chlorite Pyrite 0.1%** Creamy pinkish white qtz/ankerite/chlorite + k-spar veining with a weak potassic alteration. Trace py.	176.00	177.00	P122548	1.00	<0.005
			177.00	178.00	P122549	1.00	0.005
			178.00	179.00	P122552	1.00	0.006
			179.00	180.00	P122553	1.00	<0.005
			180.00	181.00	P122554	1.00	<0.005
			181.00	182.00	P122555	1.00	<0.005
			182.00	183.00	P122556	1.00	0.014
			183.00	184.00	P122557	1.00	0.022
183.25	184.20	Py02 **Pyrite 2%** 2% fine diseminations of <1mm py along foliation planes	184.00	185.00	P122558	1.00	<0.005
			185.00	186.00	P122559	1.00	<0.005
			186.00	187.00	P122560	1.00	<0.005
			187.00	188.00	P122561	1.00	<0.005
			188.00	189.00	P122562	1.00	<0.005
			189.00	190.00	P122563	1.00	<0.005
			190.00	191.00	P122564	1.00	0.02
			191.00	192.00	P122565	1.00	<0.005
			192.00	193.00	P122566	1.00	0.01
			193.00	194.00	P122567	1.00	0.109
			194.00	195.00	P122568	1.00	0.059

Description			Assay				
			From	To	Sample number	Length	AuBest
			195.00	196.00	P122569	1.00	<0.005
			196.00	197.00	P122570	1.00	<0.005
			197.00	198.00	P122571	1.00	0.007
197.65	198.30	Py01	198.00	199.00	P122572	1.00	<0.005
		Pyrite 1%	199.00	200.00	P122573	1.00	0.007
		1% fine diseminations of <1mm py along foliation planes.					
199.60	203.60	Py01					
		Pyrite 1%					
		1% fine diseminations of <1mm py along foliation planes.					
199.90	204.00	Vn;3%;Qcc;;65°;Py00.1;	200.00	201.00	P122574	1.00	0.013
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite 65° Pyrite 0.1%	201.00	202.00	P122577	1.00	0.022
		Qtz/calcite/chlorite +/- ankerite and/or sericite veininig with a weak potassic alteration. Trace py in	202.00	203.00	P122578	1.00	0.021
		veining but up to 1% in surrounding host rock.	203.00	204.00	P122579	1.00	0.007
			204.00	205.00	P122580	1.00	0.087
			205.00	206.00	P122581	1.00	<0.005
			206.00	207.00	P122582	1.00	<0.005
			207.00	208.00	P122583	1.00	<0.005
			208.00	209.00	P122584	1.00	<0.005
			209.00	210.00	P122585	1.00	<0.005
			210.00	211.00	P122586	1.00	<0.005
			211.00	212.00	P122587	1.00	<0.005
			212.00	213.00	P122588	1.00	<0.005
			213.00	214.00	P122589	1.00	<0.005
			214.00	215.00	P122590	1.00	<0.005
			215.00	216.00	P122591	1.00	0.016
			216.00	217.00	P122592	1.00	0.101
			217.00	218.00	P122593	1.00	0.045
217.25	226.60	Py01; As00.1	218.00	219.00	P122594	1.00	0.238
		Pyrite 1%; Arsenopyrite 0.1%					
		0.5-2% fine diseminations of py along foliation planes. Trace euhedral arsenopyrite associated with					
		qtz/ankerite veining between 220 and 221m.					
218.90	221.30	Vn;3%;Qcc;In;;Py01 As00.1;	219.00	220.00	P122595	1.00	0.565
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite infilled fractures Pyrite 1% Arsenopyrite	220.00	221.00	P122596	1.00	0.428
		0.1%	221.00	222.00	P122597	1.00	0.028
		Qtz/calcite/chlorite +/- ankerite and/or sericite veining with a weak potassic alteration. 1% py along	222.00	223.00	P122598	1.00	0.028
		margins and in surrounding host rock. Trace arsenopyrite along vein margins.					

Description			Assay				
			From	To	Sample number	Length	AuBest
222.30	226.10	Vn;40%;Qcc;;;Py00.5; **vein (5 mm - 10 cm) 40% quartz-calcite-chlorite Pyrite 0.5%** Qtz/calcite/chlorite +/- ankerite and/or sericite veining with a weak potassic alteration. Trace py in veining but up to 1% in surrounding host rock.	223.00	224.00	P122599	1.00	0.024
223.80	226.60	V4; Tuff; Fol; CVZ **Trachyte; TUFF; Foliated; Carb Vein Zone 50°** The unit displays deformed trachytic textures with overprints of qtz-ank. The trachytic plag grains are ank replaced while the the qtz-ank veins are 30% abundant and are oriented at 70-80dtca with a wormy mass of 2-8mm bleby veins stacked with each other. There is 0.5-1% py diseminated along the margins of qtz-ank veins. The matrix of the unit is a blue grey colour; the matrix stands in contrast to the unit surrounding this one, which is a more black colour. The trachytic relict plag grains are roughly aligned at 50dtca. The matrix is mod ser alt'd and weakly ank alt'd lower contact is sharp = 50dtca (looks like and alt'n contact)					
223.80	231.80	Ca01; Ank01; Cl01; Se01; K01 **Calcite 1; Ankerite 1; Chlorite 1; Sericite 1; Potassic 1** Weak to locally moderate pervasive calcitic alteration, weak to moderate vein-controlled ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak vein-controlled potassic alteration.	224.00 225.00 226.00	225.00 226.00 227.00	P122602 P122603 P122604	1.00 1.00 1.00	0.031 0.055 0.029
226.60	231.80	V4; Tuff; Fol **Trachyte 50°; TUFF; Foliated** A blackish coloured tuff, siimilar to (162-223.8m). The unit is fine grained with 1-2mm deformed green chlorite grains 1-3% abundant and follow a rough foliation of 20dtca. Some of the chlorite grains have fiamme shapes (infilling relicts). There is <1% qtz-ankerite veins oriented at 30 & 80dtca. The matrix is weakly ankerite altered. There is no visible sulphide. lower contact is sharp = 50dtca (alt'n contact)					
226.90	234.00	Vn;3%;Qcc;Ra;;Py00.1; **vein (5 mm - 10 cm) 3% quartz-calcite-chlorite random Pyrite 0.1%** Qtz/calcite/chlorite +/- ankerite and/or sericite veining with a weak potassic alteration. Trace py in veining but up to 1% in surrounding host rock.	227.00	228.00	P122605	1.00	<0.005
228.00	229.00	Py0.5% **Pyrite 0.5%** qtz-ank vein with 0.5% py oriented at 0dtca	228.00	229.00	P122606	1.00	0.025
229.00	243.30	Py01; As00.1 **Pyrite 1%; Arsenopyrite 0.1%** 0.5-1% fine diseminations of <1mm py in qtz/ankerite veins oriented at 70-80dtca. Trace euhedral arsenopyrite but locally up to 1% from 235.2-235.65m associated with a later qtz/ankerite/chlorite veining that cross-cuts the py-rich qtz/ankerite veins.	229.00 230.00 231.00	230.00 231.00 232.00	P122607 P122608 P122609	1.00 1.00 1.00	0.023 0.021 0.07
231.80	243.30	V4; Tuff; Fol; CVZ **Trachyte; TUFF; Foliated; Carb Vein Zone**					

		Description	Assay				
			From	To	Sample number	Length	AuBest
		Similar to 223.8-226.6m. The unit displays deformed trachytic textures with overprints of qtz-ankerite and a weak foliation at 20-30 dtca. The trachytic plag grains are ank replaced while the the qtz-ank veins are 30% abundant and are oriented at 70-80dtca with a wormy mass of 2-8mm bleby veins stacked with each other. There is nil-trace py diseminated within the qtz-ank veins but 0.5-1% along margins and in surrounding host rock. There is also trace to 0.5% (from 235.2-235.6m) euhedral arsenopyrite associated with a late qtz/ankerite/chlorite veining. The matrix of the unit is a blue grey colour; the matrix stands in contrast to the unit surrounding this one, which is a more black colour. The trachytic relict plag grains are roughly aligned at 50dtca. The matrix has a moderate wispy sericitic alteration, and a weak pervasive ankeritic alteration. Veining has a weak vein-controlled potassic alteration. The veining gradually fades to background levels over a 2m interval.					
231.80	243.30	Ank01; Cl01; Se01; K01 **Ankerite 1; Chlorite 1; Sericite 1; Potassic 1** Weak to locally moderate vein-controlled to pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.	232.00	233.00	P122610	1.00	0.056
			233.00	234.00	P122611	1.00	0.027
			234.00	235.00	P122612	1.00	0.039
234.60	243.30	Vn;30%;Qcc;Ra;;Py00.1; **vein (5 mm - 10 cm) 30% quartz-calcite-chlorite random Pyrite 0.1%** Qtz/calcite/chlorite +/- ankerite and/or sericite veining with a weak potassic alteration. Trace py in veining but up to 1% in surrounding host rock. Trace euhedral arsenopyrite but locally up to 1% from 235.2-235.65m associated with a later qtz/ankerite/chlorite veining that cross-cuts the py-rich qtz/ankerite veins.	235.00	236.00	P122613	1.00	0.028
			236.00	237.00	P122614	1.00	0.06
			237.00	238.00	P122615	1.00	0.023
			238.00	239.00	P122616	1.00	0.043
			239.00	240.00	P122617	1.00	0.027
			240.00	241.00	P122618	1.00	0.026
			241.00	242.00	P122619	1.00	0.059
			242.00	242.50	P122620	0.50	0.033
			242.50	243.30	P122621	0.80	0.011
243.30	406.90	V4; Fol **Trachyte; Foliated 40°** A blackish coloured foliated trachyte, siimilar to the previous tuff but with med-coarse pearly ankerite/calcite (weak) altered plag grains. The unit is fine grained with 1-2mm deformed green chlorite grains 1-3% abundant and follow a rough foliation of 0-20dtca.Some of the chlorite grains have fiamme shapes (infilling relicts). There is <1% qtz-ankerite/calcite veins (pink-white colour) oriented at 30 & 80dtca. In addition there are discontinuous gradational intervals of plag replaced with ankerite/calcite (these look like flow contacts); the plag is 2-4mm in size and round to euhedral. When not in these intervals the unit is fairly massive with a weak foliation @ 0-20dtca. The matrix is weakly sericite/ankerite altered. Pyrite is generally trace but is 1-2% over fairly large intervals and is within the matrix along foliation/joint planes as 1mm blebs. Trace large (up to 8mm across) euhedral arsenopyrite from 290.9-291m, 297.4-298.2m, 300-300.2m, 301.6-302.2m and 309.6-309.8m. The unit is non-magnetic. There are <1-1% qtz-ank stringers oriented at 60dtca and planar while there are also <<1% stringers oriented at 20dtca and wavey. The veins are 2-4mm thick.	243.30	244.00	P122622	0.70	0.043
			244.00	245.00	P122623	1.00	<0.005
			245.00	246.00	P122624	1.00	<0.005
			246.00	247.00	P122627	1.00	<0.005
			247.00	248.00	P122628	1.00	0.008
			248.00	249.00	P122629	1.00	<0.005
			249.00	250.00	P122630	1.00	0.005
			250.00	251.00	P122631	1.00	<0.005
			251.00	252.00	P122632	1.00	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
		268m: The foliation is gradually becomes oriented at 40dtca over 1m 265-275m: the interval contains a relative increase (up to 2%) in qtz-ank veining; after the interval it returns to 'normal' levels. 290: The unit gains a relatively higher amount of ser-ank bleaching (weak-mod); foliation varies from 0-40dtca (50cm long bows). 290-335m: py becomes trace 335m: py becomes trace-0.5% 372m-406.9m: The Unit's foliation progressively increases in strength and is oriented at 40dtca more consistently. 378.7m is where is becomes strongest and continues at this strength downhole (shearong?). Unit still looks trachytic just more heavily deformed. 385-391m: M shaped qtz-ank folds cross-cut the foliation/shearing oriented at 0-10dtca. The shearing ends sharply = 40dtca; the unit below the shear does not appear to be trachytic and is semi-massive/foliated with no chl or ank deformed grains but instead of planar qtz-ank stringers there are qtz-cc stringers with incipient shear crenulations.					
243.30	252.00	Ca01; Cl01; Se01 **Calcite 1; Chlorite 1; Sericite 1** Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration and a weak wispy sericite.					
252.00	407.20	Ank01; Cl01; Se01; K01 **Ankerite 1; Chlorite 1; Sericite 1; Potassic 1** Weak to locally strong ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally moderate vein-controlled potassic alteration.	252.00	253.00	P122633	1.00	0.011
			253.00	254.00	P122634	1.00	0.01
			254.00	255.00	P122635	1.00	<0.005
			255.00	256.00	P122636	1.00	0.007
252.00	263.00	Py00.5 **Pyrite 0.5%** Trace to 0.5% fine diseminations and blebs of pyrite within the matrix and along foliation/joint/stringer planes.					
255.40	262.20	Vn;3%;Qcc;;;Py00.1; **vein (5 mm - 10 cm) 3% quartz-calcite-chlorite Pyrite 0.1%** Qtz/calcite/chlorite +/- ankerite and/or sericite veining with a weak potassic alteration. Trace py in veining but up to 0.5% in surrounding host rock.	256.00	257.00	P122637	1.00	0.01
			257.00	258.00	P122638	1.00	0.01
			258.00	259.00	P122639	1.00	0.008
			259.00	260.00	P122640	1.00	0.014
			260.00	261.00	P122641	1.00	0.017
			261.00	262.00	P122642	1.00	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			262.00	263.00	P122643	1.00	0.007
			263.00	264.00	P122644	1.00	<0.005
			264.00	265.00	P122645	1.00	<0.005
			265.00	266.00	P122646	1.00	0.009
265.50	280.80	Vn;20%;Qac;;75°;Py01; **vein (5 mm - 10 cm) 20% quartz-ankerite-chlorite 75° Pyrite 1%** Qtz/ankerite/chlorite +/- sericite veining with a fairly strong reddish-brown weathering/alteration and a weak pink potassic alteration. Trace py in veining but up to 1% along margins and in surrounding host rock	266.00	267.00	P122647	1.00	0.005
			267.00	268.00	P122648	1.00	0.005
			268.00	269.00	P122649	1.00	<0.005
			269.00	270.00	P122652	1.00	0.011
			270.00	271.00	P122653	1.00	0.014
270.20	288.00	Py01 **Pyrite 1%** 0.5-1% fine diseminations and blebs of pyrite within the matrix and along foliation/joint/stringer planes.	271.00	272.00	P122654	1.00	0.015
			272.00	273.00	P122655	1.00	0.016
			273.00	274.00	P122656	1.00	0.023
			274.00	275.00	P122657	1.00	0.017
			275.00	276.00	P122658	1.00	<0.005
			276.00	277.00	P122659	1.00	<0.005
			277.00	278.00	P122660	1.00	<0.005
			278.00	279.00	P122661	1.00	0.018
			279.00	280.00	P122662	1.00	0.052
			280.00	281.00	P122663	1.00	0.036
			281.00	282.00	P122664	1.00	0.01
281.30	285.10	Vn;2%;Qcc;;;Py00.1; **vein (5 mm - 10 cm) 2% quartz-calcite-chlorite Pyrite 0.1%** Wormy qtz/calcite/chlorite +/- ankerite and/or sericite veining with a weak potassic alteration. Trace py in veining but up to 1% in surrounding host rock	282.00	283.00	P122665	1.00	0.005
			283.00	284.00	P122666	1.00	<0.005
			284.00	285.00	P122667	1.00	0.022
			285.00	286.00	P122668	1.00	<0.005
			286.00	287.00	P122669	1.00	<0.005
			287.00	288.00	P122670	1.00	0.011
			288.00	289.00	P122671	1.00	<0.005
			289.00	290.00	P122672	1.00	<0.005
			290.00	291.00	P122673	1.00	0.014
290.50	335.30	Py01; As00.1 **Pyrite 1%; Arsenopyrite 0.1%** 1-2% fine diseminations and blebs of pyrite within the matrix and along foliation/joint/stringer planes sometimes within the qtz-ankerite stringers as 1-2mm blebs oriented at 20 dtca generally. Trace large (up to 8mm across) euhedral arsenopyrite from 290.9-291m, 297.4-298.2m, 300-300.2m, 301.6-302.2m, 309.6-309.8m and 315.55-316.2m. Trace cpy and galena was found in qtz/ankerite/calcite veining from	291.00	292.00	P122674	1.00	0.058
			292.00	293.00	P122677	1.00	0.066
			293.00	294.00	P122678	1.00	0.06
			294.00	295.00	P122679	1.00	0.041
			295.00	296.00	P122680	1.00	0.065

Description			Assay				
			From	To	Sample number	Length	AuBest
		318.6-319m.	296.00	297.00	P122681	1.00	0.064
			297.00	298.00	P122682	1.00	0.012
			298.00	299.00	P122683	1.00	0.027
			299.00	300.00	P122684	1.00	0.088
			300.00	301.00	P122685	1.00	0.056
			301.00	302.00	P122686	1.00	0.068
			302.00	303.00	P122687	1.00	0.068
302.20	302.27	Gg					
		Fault gouge 30°					
		A 5mm thick green chl clay slip oriented at 30dtca					
302.27	313.00	Fln	303.00	304.00	P122688	1.00	0.121
		Foliation 25°	304.00	305.00	P122689	1.00	0.05
		Moderate foliation at 20-30 dtca.	305.00	306.00	P122690	1.00	0.047
306.00	309.80	Vn;20%;Qcc;In;;Py00.1;	306.00	307.00	P122691	1.00	0.066
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite infilled fractures Pyrite 0.1%	307.00	308.00	P122692	1.00	0.071
		Qtz/calcite/chlorite +/- ankerite and/or sericite veining/fracture fills with a weak potassic alteration. Trace	308.00	309.00	P122693	1.00	0.032
		py in veining but up to 2% in surrounding host rock. Trace euhedral arsenopyrite along vein margins.	309.00	310.00	P122694	1.00	0.055
			310.00	311.00	P122695	1.00	0.153
			311.00	312.00	P122696	1.00	0.144
			312.00	313.00	P122697	1.00	0.142
313.00	313.01	Gg	313.00	314.00	P122698	1.00	0.044
		Fault gouge 40°					
		A 1mm thick green chl clay slip oriented at 40dtca					
313.01	372.00	Fln	314.00	315.00	P122699	1.00	0.033
		Foliation 25°	315.00	316.00	P122702	1.00	0.008
		Moderate foliation at 20-30 dtca.					
316.00	322.40	Vn;10%;Qac;;;Py00.5 As00.1 Cp00.1 PbS00.1;	316.00	317.00	P122703	1.00	0.019
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite Pyrite 0.5% Arsenopyrite 0.1%	317.00	318.00	P122704	1.00	0.018
		Chalcopyrite 0.1% Galena 0.1%	318.00	319.00	P122705	1.00	0.009
		Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py, cpy and galena in	319.00	320.00	P122706	1.00	0.013
		veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor	320.00	321.00	P122707	1.00	<0.005
		ankerite, sericite and chlorite cross-cut earlier veining and may have associated trace euhedral	321.00	322.00	P122708	1.00	0.005
		arsenopyrite along vein margins and surrounding host rock.	322.00	323.00	P122709	1.00	0.011
			323.00	324.00	P122710	1.00	0.017
			324.00	325.00	P122711	1.00	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
325.00	334.70	Vn;3%;Qak;Vn;20°;Py00.5; **vein (5 mm - 10 cm) 3% quartz-ankerite vein parallel to foliation 20° Pyrite 0.5%** Narrow (<1cm) qtz/ankerite + sericite veining parallel to foliation with up to 1% fine py. Late qtz-rich veins (up to 2cm wide) with minor ankerite, sericite and chlorite cross-cut earlier veining at 70-90 dtca. Trace py in veining but up to 1% in surrounding host rock. It should be noted that Au values up to 0.255 g/t (329-330m) were obtained for this interval and appear to be associated with the earlier foliation-parallel veining.	325.00	326.00	P122712	1.00	0.029
			326.00	327.00	P122713	1.00	0.054
			327.00	328.00	P122714	1.00	0.059
			328.00	329.00	P122715	1.00	0.207
			329.00	330.00	P122716	1.00	0.255
			330.00	331.00	P122717	1.00	0.026
			331.00	332.00	P122718	1.00	<0.005
			332.00	333.00	P122719	1.00	0.017
			333.00	334.00	P122720	1.00	0.021
			334.00	335.00	P122721	1.00	0.007
			335.00	336.00	P122722	1.00	<0.005
			336.00	337.00	P122723	1.00	<0.005
			337.00	338.00	P122724	1.00	<0.005
			338.00	339.00	P122727	1.00	<0.005
			339.00	340.00	P122728	1.00	<0.005
339.70	340.10	Vn;70%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 70% quartz-ankerite-chlorite random Pyrite 0.1%** Chaotic qtz/ankerite/chlorite veining/fracture fill + sericite and weak potassic alteration with trace py.	340.00	341.00	P122729	1.00	<0.005
			341.00	342.00	P122730	1.00	<0.005
341.40	342.00	Vn;70%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 70% quartz-ankerite-chlorite random Pyrite 0.1%** Chaotic qtz/ankerite/chlorite veining/fracture fill + sericite and weak potassic alteration with trace py. Similar to 339.7-340.1m.	342.00	343.00	P122731	1.00	<0.005
343.00	407.35	Py00.5 **Pyrite 0.5%** Pyrite is generally 0.5-1% within the matrix along foliation/joint/stringer planes as 1mm bleb, sometimes within the qtz-ank stringers as 1-2mm blebs (regular) oriented at 20-30dtca. Trace to 0.5% sub to euhedral arsenopyrite between 395.4-395.7m.	343.00	344.00	P122732	1.00	0.007
			344.00	345.00	P122733	1.00	0.005
345.00	349.60	Vn;2%;Qac;Vc;80°;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein cross-cutting foliation 80° Pyrite 0.1%** Late qtz-rich veins (up to 1cm wide) with minor ankerite, sericite and chlorite cross-cut foliation at 70-90 dtca. Trace py in veining but up to 1% in surrounding host rock	345.00	346.00	P122734	1.00	<0.005
			346.00	347.00	P122735	1.00	0.017
			347.00	348.00	P122736	1.00	0.005
			348.00	349.00	P122737	1.00	0.006
			349.00	350.00	P122738	1.00	0.011
			350.00	351.00	P122739	1.00	<0.005
			351.00	352.00	P122740	1.00	0.007
			352.00	353.00	P122741	1.00	<0.005
			353.00	354.00	P122742	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
354.00	357.10	Vn;20%;Qac;;;Py00.1; **vein (5 mm - 10 cm) 20% quartz-ankerite-chlorite Pyrite 0.1%** Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py, cpy and galena in veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining.	354.00	355.00	P122743	1.00	0.016
			355.00	356.00	P122744	1.00	0.013
			356.00	357.00	P122745	1.00	0.007
			357.00	358.00	P122746	1.00	0.014
357.80	368.10	Vn;2%;Qac;Vc;;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein cross-cutting foliation Pyrite 0.1%** Narrow (<1cm) qtz-rich veins with minor ankerite, sericite and chlorite cross-cut foliation at 70-90 dtca.	358.00	359.00	P122747	1.00	0.071
			359.00	360.00	P122748	1.00	0.01
			360.00	361.00	P122749	1.00	0.015
			361.00	362.00	P122752	1.00	0.03
			362.00	363.00	P122753	1.00	0.026
			363.00	364.00	P122754	1.00	0.048
			364.00	365.00	P122755	1.00	0.037
			365.00	366.00	P122756	1.00	0.042
			366.00	367.00	P122757	1.00	0.028
			367.00	368.00	P122758	1.00	0.016
			368.00	369.00	P122759	1.00	0.023
			369.00	370.00	P122760	1.00	0.03
369.90	377.00	Vn;5%;Qac;Vc;10°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein cross-cutting foliation 10° Pyrite 0.1%** Narrow (up to 2cm wide) wormy qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining and foliation sub-parallel tca.	370.00	371.00	P122761	1.00	0.023
			371.00	372.00	P122762	1.00	0.019
372.00	406.90	Fln; Shrh **Foliation 40°; Shear healed** 372m: The Unit's foliation progressively increases in strength and is oriented at 40dtca more consistently. 378.7m is where is becomes strongest and continues at this strength downhole (shearong?). Unit still looks trachytic just more heavily deformed. 385-391m: M shaped qtz-ank folds cross-cut the foliation/shearing oriented at 0-10dtca.	372.00	373.00	P122763	1.00	0.023
			373.00	374.00	P122764	1.00	0.03
			374.00	375.00	P122765	1.00	0.038
			375.00	376.00	P122766	1.00	0.076
			376.00	377.00	P122767	1.00	0.081
			377.00	378.00	P122768	1.00	0.014
			378.00	379.00	P122769	1.00	<0.005
			379.00	380.00	P122770	1.00	0.009
			380.00	381.00	P122771	1.00	0.021
			381.00	382.00	P122772	1.00	0.03
			382.00	383.00	P122773	1.00	0.039
			383.00	384.00	P122774	1.00	0.067
			384.00	385.00	P122777	1.00	0.09
			385.00	386.00	P122778	1.00	0.101

Description			Assay				
			From	To	Sample number	Length	AuBest
385.10	390.00	Vn;15%;Qac;Ra;;; **vein (5 mm - 10 cm) 15% quartz-ankerite-chlorite random** Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining.	386.00	387.00	P122779	1.00	0.039
			387.00	388.00	P122780	1.00	0.026
			388.00	389.00	P122781	1.00	0.051
			389.00	390.00	P122782	1.00	0.022
			390.00	391.00	P122783	1.00	0.072
			391.00	392.00	P122784	1.00	0.15
			392.00	393.00	P122785	1.00	0.121
			393.00	394.00	P122786	1.00	0.1
393.30	396.00	Vn;25%;Qac;Ra;;Py00.1 As00.1 Cp00.1; **vein (5 mm - 10 cm) 25% random Pyrite 0.1% Arsenopyrite 0.1% Chalcopyrite 0.1%** Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py, arsenopyrite and cpy in veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining.	394.00	395.00	P122787	1.00	0.044
			395.00	396.00	P122788	1.00	0.025
			396.00	397.00	P122789	1.00	0.02
			397.00	398.00	P122790	1.00	0.005
			398.00	399.00	P122791	1.00	0.011
			399.00	400.00	P122792	1.00	0.024
			400.00	401.00	P122793	1.00	0.028
			401.00	402.00	P122794	1.00	0.006
			402.00	403.00	P122795	1.00	<0.005
			403.00	404.00	P122796	1.00	0.018
			404.00	405.00	P122797	1.00	0.017
			405.00	406.00	P122798	1.00	0.025
			406.00	407.00	P122799	1.00	0.019
406.90	442.50	V4; Fol **Trachyte; Foliated** A semi-massive/foliated mafic volcanic. The unit has a fine-medium grained matrix which appears to be due to alteration (bleby embayed grains). The unit is primarily a black colour with weak-moderate calcitic alteration to 438.5m where calcite is replaced by weak to moderate ankeritic alteration. There are fine wispy laminations/lineanments (<1mm thick) of qtz-ankerite stacked and parallel to each other oriented at 45dtca. Cross-cutting the foliation are squiggly-wavey crenulated incipient shear related qtz-calcite stringers 1-4mm thick and oriented at 30-60dtca (1-2% abundant); they are often stained a red-pink colour (potassic). Joint surfaces have a weak phylitic texture. Sulphides are trace to 1% py diseminated within the qtz-calcite stringers. 442.5m: chl replacemente grains (deformed with lensing) with a black colour appear and are 1-2% abundant.					
406.90	471.00	Fln **Foliation 40°** Weak to moderate foliation at 30-40 dtca.	407.00	408.00	P122802	1.00	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
406.90	407.20	Vn;40%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 40% quartz-ankerite-chlorite random Pyrite 0.1%** Chaotic qtz/ankerite/chlorite veining/fracture fill + sericite and weak potassic alteration with trace py in the veining but up to 1% along margins and in surrounding rock.					
407.20	438.50	Ca02; K02; Cl01; Se01 **Calcite 2; Potassic 2; Chlorite 1; Sericite 1** Weak to moderate calcitic alteration, moderate vein-controlled potassic ateration, weak to moderate fracture-controlled chloritic alteration and a weak wispy sericite.	408.00	409.00	P122803	1.00	<0.005
408.80	429.30	Vn;3%;Qca;Vn;30°;Py00.1; **vein (5 mm - 10 cm) 3% quartz-calcite vein parallel to foliation 30° Pyrite 0.1%** Narrow (<1cm wide) reddish-pink qtz/calcite veining with a moderate to strong vein-controlled potassic alteration. Veining tends to be generally parallel to foliation (sub-parallel to 45 dtca) with some folding.	409.00	410.00	P122804	1.00	<0.005
			410.00	411.00	P122805	1.00	<0.005
			411.00	412.00	P122806	1.00	<0.005
			412.00	413.00	P122807	1.00	<0.005
			413.00	414.00	P122808	1.00	<0.005
			414.00	415.00	P122809	1.00	0.005
			415.00	416.00	P122810	1.00	0.01
			416.00	417.00	P122811	1.00	<0.005
			417.00	418.00	P122812	1.00	<0.005
			418.00	419.00	P122813	1.00	0.011
			419.00	420.00	P122814	1.00	0.006
			420.00	421.00	P122815	1.00	0.008
			421.00	422.00	P122816	1.00	<0.005
			422.00	423.00	P122817	1.00	<0.005
			423.00	424.00	P122818	1.00	0.015
			424.00	425.00	P122819	1.00	<0.005
			425.00	426.00	P122820	1.00	<0.005
			426.00	427.00	P122821	1.00	0.007
426.80	471.00	Py00.5 **Pyrite 0.5%** Trace to 1% py diseminated in qtz-cc stringers oriented at 30-60 dtca. Trace euhedral arsenopyrite at 468.9m.	427.00	428.00	P122822	1.00	0.019
			428.00	429.00	P122823	1.00	0.027
			429.00	430.00	P122824	1.00	0.024
			430.00	431.00	P122827	1.00	0.023
430.80	434.90	Vn;25%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 25% quartz-ankerite-chlorite random Pyrite 0.1%** Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py in veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining.	431.00	432.00	P122828	1.00	0.028
			432.00	433.00	P122829	1.00	0.018
			433.00	434.00	P122830	1.00	0.005
			434.00	435.00	P122831	1.00	0.008
			435.00	436.00	P122832	1.00	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			436.00	437.00	P122833	1.00	0.013
			437.00	438.00	P122834	1.00	<0.005
438.00	439.00	Vn;5%;Qac;Vc;80°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein cross-cutting foliation 80° Pyrite 0.1%** Narrow (<1cm) qtz-rich veins with minor ankerite, sericite and chlorite cross-cut foliation at 70-90 dtca.	438.00	439.00	P122835	1.00	0.005
438.50	471.00	Ank01; Cl01; Se01; K01 **Ankerite 1; Chlorite 1; Sericite 1; Potassic 1** Weak to locally strong ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally moderate vein-controlled potassic alteration.	439.00	440.00	P122836	1.00	0.009
439.20	441.50	Vn;10%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 0.1%** Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py in veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining.	440.00	441.00	P122837	1.00	0.005
			441.00	442.00	P122838	1.00	0.007
			442.00	443.00	P122839	1.00	0.005
442.50	471.00	V4; Tuff; Fol **Trachyte; TUFF; Foliated** A blackish coloured foliated trachyte, siimilar to the previous tuff but with med-coarse pearly ankerite (weak-moderate) altered plag grains. The unit is fine grained with 1-2mm deformed green chl grains 1-3% abundant and follow a rough foliation of 40 dtca.Some of the chlorite grains have fiamme shapes (infilling relicts). There is <1% qtz-ankerite/calcite veins (pink-white colour) oriented at 30 & 80 dtca. In addition there are discontinuous gradational intervals of plag replaced with ankerite-calcite (these look like flow contacts); the plag is 2-4mm in size and round to euhedral. When not in these intervals the unit is fairly massive with a weak foliation @ 0-20 dtca. The matrix is weakly-moderately sericite-ankerite altered. Pyrite is trace to locally 1% within the matrix along foliation/joint planes as 1mm blebs. The unit is non-magnetic. There are <1-1% qtz-ank stringers oriented at 60 dtca and planar while there are also <<1% stringers oriented at 20-60dtca and wavey (incipient shear). The veins are 2-4mm thick.	443.00	444.00	P122840	1.00	0.006
			444.00	445.00	P122841	1.00	<0.005
			445.00	446.00	P122842	1.00	0.008
445.60	447.60	Vn;20%;Qac;Ra;;; **vein (5 mm - 10 cm) 20% quartz-ankerite-chlorite random** Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py in veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining.	446.00	447.00	P122843	1.00	0.008
			447.00	448.00	P122844	1.00	0.005
			448.00	449.00	P122845	1.00	<0.005
			449.00	450.00	P122846	1.00	<0.005
			450.00	451.00	P122847	1.00	<0.005
			451.00	452.00	P122848	1.00	<0.005
			452.00	453.00	P122849	1.00	<0.005
			453.00	454.00	P122852	1.00	0.006
			454.00	455.00	P122853	1.00	<0.005
			455.00	456.00	P122854	1.00	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
			456.00	457.00	P122855	1.00	<0.005
			457.00	458.00	P122856	1.00	<0.005
			458.00	459.00	P122857	1.00	0.009
			459.00	460.00	P122858	1.00	0.005
			460.00	461.00	P122859	1.00	<0.005
461.00	470.10	Vn;25%;Qac;Ra;;; **vein (5 mm - 10 cm) 25% quartz-ankerite-chlorite random** Older qtz/ankerite/chlorite + potassic alteration veining/fracture fills with trace py in veining but up to 1% py in surrounding host rock and along margins. Late qtz-rich veins with minor ankerite, sericite and chlorite cross-cut earlier veining. Trace euhedral arsenopyrite at 468.9m.	461.00	462.00	P122860	1.00	<0.005
			462.00	463.00	P122861	1.00	<0.005
			463.00	464.00	P122862	1.00	<0.005
			464.00	465.00	P122863	1.00	0.009
			465.00	466.00	P122864	1.00	0.006
			466.00	467.00	P122865	1.00	0.008
			467.00	468.00	P122866	1.00	0.018
			468.00	469.00	P122867	1.00	0.01
471.00	**End of DDH** **Number of samples: 411** **Number of QAQC samples: 36** **Total sampled length: 408.60**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_42

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	A Richardson	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	06/03/2014	Description date:	
		To:	14/03/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 507.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,384.661
North	0.0	0.000	5,331,500.402
Elevation	0.0	0.000	337.371

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	81.00	180.0°	-50.0°	No	Mag = 55545
ReflexEZS	159.00	177.8°	-47.8°	No	Mag = 55320
ReflexEZS	228.00	176.7°	-45.9°	No	Mag = 55745
ReflexEZS	288.00	179.3°	-44.0°	No	Mag = 55117
ReflexEZS	348.00	175.8°	-43.2°	No	Mag = 56756
ReflexEZS	408.00	182.3°	-41.3°	No	Mag = 55278
ReflexEZS	468.00	185.6°	-38.9°	No	Mag = 55436
ReflexEZS	507.00	186.5°	-38.0°	No	Mag = 56078

Description

east of holes # 32/ 37, top of Biroco Zone, From 336m to 339m (sample Q282703) lost 1.9m of core (grinded). Re-logged by Mike Laliberty Aug '14.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	69.50	OVB					
		Overburden					
		69.5m of overburden.					
69.50	415.50	V4; Tuff; Fol					
		Trachyte; TUFF; Foliated					
		Dark green/grey fine grained weakly foliated trachyte with ~30% moderately to strongly foliated (45-75 dtca) tuffaceous intervals. ~2m missing core between 336-339m. Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration. Generally non-magnetic up hole with short intervals of weak to strong magnetism that becomes predominantly magnetic down hole. Overall 1-2% with localized higher concentrations of qtz/calcite/chlorite +/- potassic alteration veins with occasional minor ankerite. Generally trace but locally up to 1-2% disseminated py.					
69.50	507.00	--V4T--; Fol; LapTuff	69.50	71.00	Q282509	1.50	<0.005
		Trachytic tuff; Foliated; LAPILLI TUFF/AGGLOMERATE	71.00	72.50	Q282510	1.50	<0.005
		Dark grey to brownish-grey to reddish grey moderately to strongly foliated trachyte tuff with stretched laplli intercalated with trachyte flows.	72.50	74.00	Q282511	1.50	<0.005
69.50	319.34	Ca01; Cl01; Se01; K01					
		Calcite 1; Chlorite 1; Sericite 1; Potassic 1					
		Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.					
69.50	430.30	Fln					
		Foliation 60°					
		Weak to locally strong pervasive foliation at 45-75 dtca.					
73.90	85.00	Vn;5%;Qcc;Ra;;Py00.1;	74.00	75.50	Q282512	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1%	75.50	77.00	Q282513	1.50	0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with occasional minor ankerite.	77.00	78.50	Q282514	1.50	<0.005
			78.50	80.00	Q282515	1.50	<0.005
			80.00	81.50	Q282516	1.50	<0.005
			81.50	83.00	Q282517	1.50	<0.005
			83.00	84.50	Q282518	1.50	<0.005
			84.50	86.00	Q282519	1.50	<0.005
			86.00	87.50	Q282520	1.50	<0.005
			87.50	89.00	Q282521	1.50	<0.005
			89.00	90.50	Q282522	1.50	0.006
			90.50	92.00	Q282523	1.50	<0.005
			92.00	93.50	Q282524	1.50	0.012
			93.50	95.00	Q282527	1.50	0.016

Description			Assay				
			From	To	Sample number	Length	AuBest
94.65	95.80	Vn;5%;Qcc;Ra;;Py00.1;	95.00	96.50	Q282528	1.50	0.008
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1%	96.50	98.00	Q282529	1.50	0.012
		Qtz/calcite/chlorite +/- potassic alteration veins with occasional minor ankerite.	98.00	99.50	Q282530	1.50	<0.005
			99.50	101.00	Q282531	1.50	0.005
			101.00	102.50	Q282532	1.50	<0.005
			102.50	104.00	Q282533	1.50	<0.005
			104.00	105.50	Q282534	1.50	<0.005
			105.50	107.00	Q282535	1.50	<0.005
			107.00	108.50	Q282536	1.50	<0.005
			108.50	110.00	Q282537	1.50	<0.005
			110.00	111.50	Q282538	1.50	0.005
110.70	111.10	Vn;15%;Qcc;Ra;;Py00.1;	111.50	113.00	Q282539	1.50	<0.005
		vein (5 mm - 10 cm) 15% quartz-calcite-chlorite random Pyrite 0.1%	113.00	114.50	Q282540	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with occasional minor ankerite.	114.50	116.00	Q282541	1.50	<0.005
			116.00	117.50	Q282542	1.50	<0.005
			117.50	119.00	Q282543	1.50	<0.005
			119.00	120.50	Q282544	1.50	0.01
119.10	125.10	Vn;60%;Qcc;Ra;;Py00.1;	120.50	122.00	Q282545	1.50	0.018
		vein (5 mm - 10 cm) 60% quartz-calcite-chlorite random Pyrite 0.1%	122.00	123.50	Q282546	1.50	0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with occasional minor ankerite.	123.50	125.00	Q282547	1.50	0.018
			125.00	126.50	Q282548	1.50	0.031
			126.50	128.00	Q282549	1.50	0.013
			128.00	129.50	Q282552	1.50	<0.005
			129.50	131.00	Q282553	1.50	<0.005
			131.00	132.50	Q282554	1.50	<0.005
132.10	132.50	Vn;50%;Qcc;Ra;;Py00.1;	132.50	134.00	Q282555	1.50	<0.005
		vein (5 mm - 10 cm) 50% quartz-calcite-chlorite random Pyrite 0.1%	134.00	135.50	Q282556	1.50	0.033
		Qtz/calcite/chlorite +/- potassic alteration veins with occasional minor ankerite.	135.50	137.00	Q282557	1.50	<0.005
			137.00	138.50	Q282558	1.50	0.025
			138.50	140.00	Q282559	1.50	0.016
			140.00	141.50	Q282560	1.50	<0.005
			141.50	143.00	Q282561	1.50	<0.005
143.00	152.00	Py01	143.00	144.50	Q282562	1.50	<0.005
		Pyrite 1%	144.50	146.00	Q282563	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Finely disseminated py.	146.00	147.50	Q282564	1.50	0.005
			147.50	149.00	Q282565	1.50	0.013
148.20	148.55	Vn;80%;Qcc;Ra;;Py00.1;	149.00	150.50	Q282566	1.50	<0.005
		vein (5 mm - 10 cm) 80% quartz-calcite-chlorite random Pyrite 0.1%	150.50	152.00	Q282567	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	152.00	153.50	Q282568	1.50	<0.005
152.60	159.70	Vn;5%;Qcc;Ra;;Py00.1;	153.50	155.00	Q282569	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1%	155.00	156.50	Q282570	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	156.50	158.00	Q282571	1.50	<0.005
			158.00	159.50	Q282572	1.50	<0.005
			159.50	161.00	Q282573	1.50	<0.005
			161.00	162.50	Q282574	1.50	<0.005
			162.50	164.00	Q282577	1.50	<0.005
			164.00	165.50	Q282578	1.50	<0.005
165.50	167.00	Py01	165.50	167.00	Q282579	1.50	0.01
		Pyrite 1%					
		Finely disseminated py.					
167.00	168.50	Py03	167.00	168.50	Q282580	1.50	0.005
		Pyrite 3%	168.50	170.00	Q282581	1.50	0.006
		Finely disseminated py.	170.00	171.50	Q282582	1.50	<0.005
			171.50	173.00	Q282583	1.50	<0.005
			173.00	174.50	Q282584	1.50	<0.005
			174.50	176.00	Q282585	1.50	<0.005
			176.00	177.50	Q282586	1.50	<0.005
			177.50	179.00	Q282587	1.50	<0.005
			179.00	180.50	Q282588	1.50	<0.005
179.10	192.90	Vn;10%;Qcc;Ra;;Py00.1;					
		vein (5 mm - 10 cm) 10% quartz-calcite-chlorite random Pyrite 0.1%					
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.					
180.50	183.50	Py00.5	180.50	182.00	Q282589	1.50	<0.005
		Pyrite 0.5%	182.00	183.50	Q282590	1.50	0.007
		Finely disseminated py.	183.50	185.00	Q282591	1.50	0.006
			185.00	186.50	Q282592	1.50	<0.005
			186.50	188.00	Q282593	1.50	<0.005
			188.00	189.50	Q282594	1.50	<0.005
			189.50	191.00	Q282595	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			191.00	192.50	Q282596	1.50	<0.005
			192.50	194.00	Q282597	1.50	<0.005
			194.00	195.50	Q282598	1.50	<0.005
			195.50	197.00	Q282599	1.50	<0.005
			197.00	198.50	Q282602	1.50	<0.005
			198.50	200.00	Q282603	1.50	<0.005
200.00	201.50	Py01	200.00	201.50	Q282604	1.50	<0.005
		Pyrite 1%	201.50	203.00	Q282605	1.50	<0.005
		Finely disseminated py.	203.00	204.50	Q282606	1.50	<0.005
204.00	207.50	Py00.5	204.50	206.00	Q282607	1.50	<0.005
		Pyrite 0.5%	206.00	207.50	Q282608	1.50	0.005
		Finely disseminated py.	207.50	209.00	Q282609	1.50	<0.005
			209.00	210.50	Q282610	1.50	<0.005
			210.50	212.00	Q282611	1.50	<0.005
212.00	215.00	Py02	212.00	213.50	Q282612	1.50	0.01
		Pyrite 2%	213.50	215.00	Q282613	1.50	0.019
		Finely disseminated py.					
215.00	218.00	Py00.5	215.00	216.50	Q282614	1.50	<0.005
		Pyrite 0.5%	216.50	218.00	Q282615	1.50	0.008
		Finely disseminated py.					
218.00	221.00	Py02	218.00	219.50	Q282616	1.50	0.011
		Pyrite 2%	219.50	221.00	Q282617	1.50	0.025
		Finely disseminated py.	221.00	222.50	Q282618	1.50	<0.005
			222.50	224.00	Q282619	1.50	<0.005
			224.00	225.50	Q282620	1.50	<0.005
			225.50	227.00	Q282621	1.50	<0.005
226.80	228.30	Vn;10%;Qcc;Ra;;Py00.1;	227.00	228.50	Q282622	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-calcite-chlorite random Pyrite 0.1%	228.50	230.00	Q282623	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	230.00	231.50	Q282624	1.50	<0.005
			231.50	233.00	Q282627	1.50	<0.005
			233.00	234.50	Q282628	1.50	<0.005
234.40	235.10	Vn;40%;Qcc;Ra;;Py00.1;	234.50	236.00	Q282629	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 0.1%	236.00	237.50	Q282630	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	237.50	239.00	Q282631	1.50	<0.005
			239.00	240.50	Q282632	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			240.50	242.00	Q282633	1.50	0.005
241.50	245.60	Vn;20%;Qcc;Ra;;Py00.1;	242.00	243.50	Q282634	1.50	<0.005
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random Pyrite 0.1%	243.50	245.00	Q282635	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	245.00	246.50	Q282636	1.50	<0.005
			246.50	248.00	Q282637	1.50	<0.005
			248.00	249.50	Q282638	1.50	<0.005
248.50	256.70	Vn;20%;Qcc;Ra;;Py00.1;	249.50	251.00	Q282639	1.50	<0.005
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random Pyrite 0.1%	251.00	252.50	Q282640	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	252.50	254.00	Q282641	1.50	<0.005
			254.00	255.50	Q282642	1.50	<0.005
			255.50	257.00	Q282643	1.50	<0.005
			257.00	258.50	Q282644	1.50	<0.005
			258.50	260.00	Q282645	1.50	<0.005
			260.00	261.50	Q282646	1.50	<0.005
260.75	263.96	Vn;20%;Qcc;Ra;;;	261.50	263.00	Q282647	1.50	0.023
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random	263.00	264.50	Q282648	1.50	<0.005
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	264.50	266.00	Q282649	1.50	<0.005
			266.00	267.50	Q282652	1.50	<0.005
			267.50	269.00	Q282653	1.50	<0.005
269.00	282.10	Vn;5%;Qcc;Ra;;Py00.1;	269.00	270.50	Q282654	1.50	0.037
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1%	270.50	272.00	Q282655	1.50	0.024
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	272.00	273.50	Q282656	1.50	<0.005
			273.50	275.00	Q282657	1.50	0.007
			275.00	276.50	Q282658	1.50	<0.005
			276.50	278.00	Q282659	1.50	<0.005
			278.00	279.50	Q282660	1.50	<0.005
			279.50	281.00	Q282661	1.50	0.031
279.80	282.10	Py00.5	281.00	282.50	Q282662	1.50	0.022
		Pyrite 0.5%					
		Finely disseminated py.					
282.10	283.40	Py02	282.50	284.00	Q282663	1.50	0.041
		Pyrite 2%	284.00	285.50	Q282664	1.50	0.071
		Finely disseminated py.	285.50	287.00	Q282665	1.50	0.015
			287.00	288.50	Q282666	1.50	0.048

Description			Assay				
			From	To	Sample number	Length	AuBest
			288.50	290.00	Q282667	1.50	0.013
			290.00	291.50	Q282668	1.50	<0.005
			291.50	293.00	Q282669	1.50	0.008
			293.00	294.50	Q282670	1.50	0.007
			294.50	296.00	Q282671	1.50	<0.005
			296.00	297.50	Q282672	1.50	0.016
			297.50	299.00	Q282673	1.50	<0.005
			299.00	300.50	Q282674	1.50	0.01
300.50	305.00	Vn;5%;Ca;Ra;;Py00.1;	300.50	302.00	Q282677	1.50	0.033
		vein (5 mm - 10 cm) 5% calcite random Pyrite 0.1%	302.00	303.50	Q282678	1.50	0.027
		Narrow (<1cm wide) calcite veins and fracture fills some with a pink potassic alteration.	303.50	305.00	Q282679	1.50	0.02
			305.00	306.50	Q282680	1.50	0.007
			306.50	308.00	Q282681	1.50	0.01
			308.00	309.50	Q282682	1.50	0.006
			309.50	311.00	Q282683	1.50	0.014
			311.00	312.50	Q282684	1.50	0.018
312.20	316.60	Vn;3%;Qcc;Ra;;Py00.1;	312.50	314.00	Q282685	1.50	0.149
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite random Pyrite 0.1%	314.00	315.50	Q282686	1.50	0.223
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	315.50	317.00	Q282687	1.50	0.214
			317.00	318.50	Q282688	1.50	0.043
			318.50	320.00	Q282689	1.50	0.018
319.34	342.30	Ank02; Cl02; Se01; K01	320.00	321.50	Q282690	1.50	0.009
		Ankerite 2; Chlorite 2; Sericite 1; Potassic 1	321.50	323.00	Q282691	1.50	0.006
		Weak to locally moderate ankeritic alteration, weak to moderate fracture-controlled chloritic alteration,	323.00	324.50	Q282692	1.50	0.308
		weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.					
324.40	326.40	Vn;5%;Qac;Ra;;Py00.1;	324.50	326.00	Q282693	1.50	0.536
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 0.1%	326.00	327.50	Q282694	1.50	0.409
		Qtz/ankerite/chlorite +/- potassic alteration veins.	327.50	329.00	Q282695	1.50	0.1
			329.00	330.50	Q282696	1.50	0.04
			330.50	332.00	Q282697	1.50	0.091
			332.00	333.50	Q282698	1.50	0.029
			333.50	335.00	Q282699	1.50	0.025
			335.00	336.00	Q282702	1.00	<0.005
336.00	336.27	Vn;60%;Qac;Ra;;Py00.1;	336.00	339.00	Q282703	3.00	<0.005
		vein (5 mm - 10 cm) 60% quartz-ankerite-chlorite random Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Qtz/ankerite/chlorite +/- potassic alteration veins.	339.00	340.50	Q282704	1.50	<0.005
			340.50	342.00	Q282705	1.50	<0.005
			342.00	343.50	Q282706	1.50	0.015
342.30	372.00	Ca02; Cl02; Se01; K01	343.50	345.00	Q282707	1.50	0.015
		Calcite 2; Chlorite 2; Sericite 1; Potassic 1	345.00	346.50	Q282708	1.50	0.005
		Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration,	346.50	348.00	Q282709	1.50	0.009
		weak to moderate wispy sericite and a weak to locally strong vein-controlled potassic alteration.	348.00	349.50	Q282710	1.50	<0.005
			349.50	351.00	Q282711	1.50	<0.005
			351.00	352.50	Q282712	1.50	<0.005
			352.50	354.00	Q282713	1.50	<0.005
			354.00	355.50	Q282714	1.50	<0.005
			355.50	357.00	Q282715	1.50	0.022
356.00	357.40	Vn;5%;Qcc;Ra;;Py00.1;	357.00	358.50	Q282716	1.50	0.419
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1%	358.50	360.00	Q282717	1.50	0.024
		Qtz/calcite/chlorite +/- potassic alteration veins with minor ankerite.	360.00	361.50	Q282718	1.50	0.017
			361.50	363.00	Q282719	1.50	<0.005
			363.00	364.50	Q282720	1.50	0.011
			364.50	366.00	Q282721	1.50	0.017
			366.00	367.50	Q282722	1.50	0.005
			367.50	369.00	Q282723	1.50	0.007
			369.00	370.50	Q282724	1.50	0.005
			370.50	372.00	Q282727	1.50	0.008
372.00	415.50	Ca02; Cl02; Se01; K01	372.00	373.50	Q282728	1.50	<0.005
		Calcite 2; Chlorite 2; Sericite 1; Potassic 1	373.50	375.00	Q282729	1.50	<0.005
		Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration,	375.00	376.50	Q282730	1.50	<0.005
		weak to moderate wispy sericite and a weak pervasive and locally strong vein-controlled potassic	376.50	378.00	Q282731	1.50	<0.005
		alteration.	378.00	379.50	Q282732	1.50	<0.005
			379.50	381.00	Q282733	1.50	<0.005
			381.00	382.50	Q282734	1.50	<0.005
			382.50	384.00	Q282735	1.50	<0.005
			384.00	385.50	Q282736	1.50	<0.005
			385.50	387.00	Q282737	1.50	<0.005
			387.00	388.50	Q282738	1.50	<0.005
			388.50	390.00	Q282739	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			390.00	391.50	Q282740	1.50	<0.005
			391.50	393.00	Q282741	1.50	<0.005
393.00	398.00	Py02	393.00	394.50	Q282742	1.50	0.045
		Pyrite 2%	394.50	396.00	Q282743	1.50	<0.005
		Fine to medium grained py associated with chlorite in stonger patches of potassic alteration.	396.00	397.50	Q282744	1.50	0.011
			397.50	399.00	Q282745	1.50	0.006
399.00	402.00	Py00.5	399.00	400.50	Q282746	1.50	0.012
		Pyrite 0.5%	400.50	402.00	Q282747	1.50	0.011
		Fine to medium grained py, disseminated and in stringers.					
402.00	416.00	Py02	402.00	403.50	Q282748	1.50	<0.005
		Pyrite 2%	403.50	405.00	Q282749	1.50	0.017
		1-2% fine to medium grained py, disseminated and in stringers.	405.00	406.50	Q282752	1.50	0.025
			406.50	408.00	Q282753	1.50	0.012
407.80	415.50	Vn;3%;Qac;Ra;;Py00.1;	408.00	409.50	Q282754	1.50	0.016
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%	409.50	411.00	Q282755	1.50	0.023
		Qtz/ankerite/chlorite +/- potassic alteration veins.	411.00	412.50	Q282756	1.50	0.022
			412.50	414.00	Q282757	1.50	0.026
			414.00	415.50	Q282758	1.50	0.005
415.50	447.55	V4; Tuff; Fol					
		Trachyte; TUFF; Foliated					
		Similar to 69.5-415.5m. Dark reddish/grey fine grained weakly foliated trachyte with ~30% moderately to strongly foliated (45-75 dtca) tuffaceous intervals. Strong patchy to pervasive and vein-controlled potassic alteration, strong vein-controlled hematitic alteration, weak to locally moderate calcitic alteration intercalated with a moderate pervasive ankeritc alteration, moderate to strong fracture-controlled chloritic alteration and a weak to moderate wispy sericite. Weak to strong magnetism with short non magnetic intervals. Overall 1-2% with localized higher concentrations of qtz/chlorite/calcite and/or ankerite +/- potassic alteration veins. Generally 1-2% disseminated py and stringers. Trace cpy associated with late calcite fracture fill. It should be noted that the highest Au values for this hole (0.943 and 0.927 g/t) are found from 433.5-438m.					
415.50	447.55	K02; He02; Ca02; Cl02; Se01	415.50	417.00	Q282759	1.50	0.008
		Potassic 2; Hematite 2; Calcite 2; Chlorite 2; Sericite 1	417.00	418.50	Q282760	1.50	0.03
		Moderate to locally strong patchy to pervasive and vein-controlled potassic alteration, moderate to strong vein-controlled hematitic alteration, weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration and a weak to moderate wispy sericite.	418.50	420.00	Q282761	1.50	0.029
			420.00	421.50	Q282762	1.50	0.047
415.50	430.10	Vn;10%;Qac;Ra;;Py01 Cp00.1;					
		vein (5 mm - 10 cm) 10% random Pyrite 1% Chalcopyrite 0.1%					
		Brick red qtz/ankerite/chlorite +/- potassic alteration and/or hematitic alteration veins.					
421.50	433.00	Py01; Cp00.1	421.50	423.00	Q282763	1.50	0.163
		Pyrite 1%; Chalcopyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Generally 0.5-1% (but up to 3% locally) fine to medium grained py, disseminated and in stringers. Higher py values associated with stronger potassic alteration. Cpy associated with narrow (1-2mm wide) calcite fracture fill.	423.00	424.50	Q282764	1.50	0.088
			424.50	426.00	Q282765	1.50	0.018
			426.00	427.50	Q282766	1.50	0.03
			427.50	429.00	Q282767	1.50	0.386
			429.00	430.50	Q282768	1.50	0.115
430.30	438.00	FracZn	430.50	432.00	Q282769	1.50	0.016
		Fracture Zone	432.00	433.50	Q282770	1.50	0.114
		Highly microfractured with chlorite fill, potassic alteration, calcitic alteration and non-magnetic. It should be noted that the highest Au values for this hole (0.943 and 0.927 g/t) are found from 433.5-438m.					
433.00	440.40	Py02	433.50	435.00	Q282771	1.50	0.943
		Pyrite 2%	435.00	436.50	Q282772	1.50	0.721
		2% fine to medium grained py, disseminated and in stringers. It should be noted that the highest Au values for this hole (0.943 and 0.927 g/t) are found from 433.5-438m.	436.50	438.00	Q282773	1.50	0.927
438.00	447.70	Fln	438.00	439.50	Q282774	1.50	0.281
		Foliation 45°					
		Moderate to strong foliation at 45-60 dtca.					
438.50	439.50	Vn;10%;Qac;Ra;;Py01;	439.50	441.00	Q282777	1.50	0.288
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 1%					
		Brick red qtz/ankerite/chlorite +/- potassic alteration and/or hematitic alteration veins.					
440.40	451.80	Py01	441.00	442.50	Q282778	1.50	0.071
		Pyrite 1%	442.50	444.00	Q282779	1.50	0.046
		0.5-1% fine to medium grained py, disseminated and in stringers.	444.00	445.50	Q282780	1.50	0.026
			445.50	447.00	Q282781	1.50	<0.005
			447.00	448.50	Q282782	1.50	0.021
447.55	507.00	V4; Tuff; Fol	448.50	450.00	Q282783	1.50	0.018
		Trachyte; TUFF; Foliated	450.00	451.50	Q282784	1.50	0.078
		Similar to 69.5-415.5m. Dark reddish/grey fine grained weakly foliated trachyte with ~30% moderately to strongly foliated (45-75 dtca) tuffaceous intervals. Weak to locally moderate pervasive calcitic alteration replaced by moderate pervasive ankeritc alteration around 484m, moderate to strong fracture-controlled chloritic alteration, weak to moderate wispy sericite and a weak to moderate patchy and vein-controlled potassic alteration. Weak to strong magnetism with short non magnetic intervals. Overall 1-2% with localized higher concentrations of qtz/chlorite/calcite and/or ankerite +/- potassic alteration veins. Generally trace sulphides with intervals of 1-2% disseminated and py stringers.	451.50	453.00	Q282785	1.50	<0.005
			453.00	454.50	Q282786	1.50	<0.005
447.55	484.00	Ca02; Cl02; K01; Se01					
		Calcite 2; Chlorite 2; Potassic 1; Sericite 1					
		Weak to locally moderate calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to moderate patchy and vein-controlled potassic alteration and a weak to moderate wispy sericite.					
454.30	507.00	Vn;3%;Qac;Ra;;Py00.1;	454.50	456.00	Q282787	1.50	0.006
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Qtz/chlorite/ankerite and/or calcite +/- potassic alteration veins, veinlets and fracture fills.	456.00	457.50	Q282788	1.50	<0.005
			457.50	459.00	Q282789	1.50	<0.005
			459.00	460.50	Q282790	1.50	<0.005
			460.50	462.00	Q282791	1.50	<0.005
			462.00	463.50	Q282792	1.50	<0.005
			463.50	465.00	Q282793	1.50	<0.005
			465.00	466.50	Q282794	1.50	<0.005
			466.50	468.00	Q282795	1.50	<0.005
			468.00	469.50	Q282796	1.50	<0.005
			469.50	471.00	Q282797	1.50	0.012
			471.00	472.50	Q282798	1.50	0.018
			472.50	474.00	Q282799	1.50	0.023
473.60	475.40	Py02	474.00	475.50	Q282802	1.50	0.104
		Pyrite 2%	475.50	477.00	Q282803	1.50	0.022
		2% fine to medium grained py, disseminated and in stringers.	477.00	478.50	Q282804	1.50	0.03
477.90	480.00	Py01	478.50	480.00	Q282805	1.50	0.08
		Pyrite 1%	480.00	481.50	Q282806	1.50	0.005
		1% fine to medium grained py, disseminated and in stringers.	481.50	483.00	Q282807	1.50	0.009
			483.00	484.50	Q282808	1.50	0.006
484.00	507.00	Ank02; Cl02; K01; Se01	484.50	486.00	Q282809	1.50	0.03
		Ankerite 2; Chlorite 2; Potassic 1; Sericite 1	486.00	487.50	Q282810	1.50	0.047
		Weak to locally moderate ankeritic alteration, weak to moderate fracture-controlled chloritic alteration,	487.50	489.00	Q282811	1.50	0.035
		weak to moderate patchy and vein-controlled potassic alteration and a weak to moderate wispy sericite.	489.00	490.50	Q282812	1.50	<0.005
			490.50	492.00	Q282813	1.50	<0.005
			492.00	493.50	Q282814	1.50	<0.005
			493.50	495.00	Q282815	1.50	<0.005
			495.00	496.50	Q282816	1.50	<0.005
			496.50	498.00	Q282817	1.50	0.008
			498.00	499.50	Q282818	1.50	<0.005
			499.50	501.00	Q282819	1.50	0.307
499.80	507.00	Py02	501.00	502.50	Q282820	1.50	0.935
		Pyrite 2%	502.50	504.00	Q282821	1.50	0.3
		% fine to medium grained py, disseminated and in stringers.	504.00	505.50	Q282822	1.50	0.503
			505.50	507.00	Q282823	1.50	0.066

507.00	End of DDH
	Number of samples: 291
	Number of QAQC samples: 24
	Total sampled length: 437.50

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_43

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Gilles Kamta	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	27/02/2014	Description date:	04/03/2014
		To:	03/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 503.80 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,998.782
North	0.0	0.000	5,331,582.290
Elevation	0.0	0.000	339.593

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	30.00	353.1°	-51.0°	No	Mag:55237; Data from Frank Ploeger
ReflexEZS	90.00	348.4°	-49.7°	No	Mag:55694; Data from Frank Ploeger
ReflexEZS	150.00	347.2°	-49.2°	No	Mag:54954; Data from Frank Ploeger
ReflexEZS	210.00	348.3°	-48.5°	No	Mag:55578; Data from Frank Ploeger
ReflexEZS	270.00	350.4°	-47.8°	No	Mag:55347; Data from Frank Ploeger
ReflexEZS	330.00	350.7°	-47.9°	No	Mag:55048; Data from Frank Ploeger
ReflexEZS	390.00	351.7°	-47.9°	No	Mag:55006; Data from Frank Ploeger
ReflexEZS	450.00	355.2°	-47.8°	No	Mag = 54504
ReflexEZS	503.80	357.0°	-47.9°	No	Mag = 54468

Description

Biroco Zone. Re-logged by Ciara Cooke June 2014.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	16.20	OVB **Overburden** Casing and overburden.					
16.20	35.20	V4; Lam **Trachyte; Laminated** Altered trachytic sequence. Possible flow or tuff. Weak selective lamination with sericite aligning along plane. Intense pervasive sericite-ankerite alteration with selective moderate magnetism. Isolated oxidation around fractures. Sparse and isolated mg white subhedral feldspar phenos. Isolated sub-rounded prophyroblast - 1cm with internal hematite alt. Greyish-white qtz-ankerite veining with trace incl of chl and sericite.					
16.20	35.17	Ank03; Se03; Ox01; Mgt01 **Ankerite 3; Sericite 3; Oxidation 1; Magnetite 1** Intense pervasive ankerite-sericite with selective weak to moderate magnetite and isolated weak to moderate oxidation along fractures. Isolated traces of fuchsite.					
16.20	17.00	Py00.5 **Pyrite 0.5%**					
16.20	38.15	Vn;5%;Qak;Vc;;; **vein (5 mm - 10 cm) 5% quartz-ankerite vein cross-cutting foliation** White to greyish qtz-ankerite veining with minor sericite incl. Mottled metamorphosed texture with irregular undulated walls.	16.20	17.00	I276562	0.80	0.022
17.00	18.00	Py00.5 **Pyrite 0.5%**	17.00	18.00	I276563	1.00	0.021
18.00	19.00	Py00.7 **Pyrite 0.7%**	18.00	19.00	I276564	1.00	0.039
19.00	20.00	Py00.5 **Pyrite 0.5%** stringers	19.00	20.00	I276565	1.00	0.01
20.00	21.00	Py00.2 **Pyrite 0.2%**	20.00	21.00	I276566	1.00	<0.005
21.00	22.00	Py00.5 **Pyrite 0.5%**	21.00	22.00	I276567	1.00	0.016
22.00	23.00	Py00.2 **Pyrite 0.2%**	22.00	23.00	I276568	1.00	<0.005
23.00	24.00	Py00.2 **Pyrite 0.2%**	23.00	24.00	I276569	1.00	0.006
24.00	25.00	Py00.2 **Pyrite 0.2%**	24.00	25.00	I276570	1.00	<0.005
25.00	26.00	Py00.2 **Pyrite 0.2%**	25.00	26.00	I276571	1.00	<0.005
26.00	27.00	Py00.2 **Pyrite 0.2%**	26.00	27.00	I276572	1.00	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
27.00	28.00	Py00.2 **Pyrite 0.2%**	27.00	28.00	I276573	1.00	0.012
28.00	29.00	Py00.2 **Pyrite 0.2%**	28.00	29.00	I276574	1.00	<0.005
29.00	30.00	Py00.2 **Pyrite 0.2%**	29.00	30.00	I276577	1.00	0.005
30.00	31.00	Py00.2 **Pyrite 0.2%**	30.00	31.00	I276578	1.00	<0.005
31.00	37.00	Py00.2 **Pyrite 0.2%**	31.00	32.00	I276579	1.00	0.005
			32.00	33.00	I276580	1.00	0.025
			33.00	34.00	I276581	1.00	0.014
			34.00	35.17	I276582	1.17	0.01
35.17	39.00	Ank03; Se03; Cl02 **Ankerite 3; Sericite 3; Chlorite 2** Strong selective ankerite-sericite alteration. Moderate to strong med green chl alteration.	35.17	36.00	I276583	0.83	0.006
35.20	40.85	V4; LapTuff **Trachyte 50°; LAPILLI TUFF/AGGLOMERATE** Med blue-grey to pale beige green trachytic unit. Weak selective laminations. Fragmental with lg lensoidal fragments attenuated along plane. Strong sericite-ankerite alteration with selective med green chl. 7cm thick crystal rich unit with rounded qtz grains as well as a larger dk grey cherty fragment. Sharp distinct lower ctc into pyroclastic tuff.	36.00	37.00	I276584	1.00	0.012
37.00	38.00	Py00.5 **Pyrite 0.5%**	37.00	38.00	I276585	1.00	0.006
38.00	39.00	Py00.5 **Pyrite 0.5%**	38.00	39.00	I276586	1.00	0.005
39.00	53.00	Ank03; Se02 **Ankerite 3; Sericite 2** Strong selective ankerite alteration. Moderate to strong selective sericite with intensity decreasing towards lower ctc.	39.00	40.00	I276587	1.00	0.007
			40.00	41.00	I276588	1.00	0.008
39.00	42.00	Py00.2 **Pyrite 0.2%**					
40.85	130.70	V4; PyroTuff **Trachyte 70°; PYROCLASTIC (TUFFACEOUS)** Welded pyroclastic tuff. Pale to med grey with faint green tinge. Fg groundmass rich in feldspars with carbonate alteration. Interstitial wispy sericite. Strong ankerite at upper ctc waning around 53m becoming more calcite altered. Fine to medium sized carbonate altered greyish to beige pumice fragments with sub-angular shapes comprising roughly 15 pct. 1 pct greyish clasts or lenses chalked full of fg py. Relatively fresh and undeformed rock with weak stretching or welding of pumice fragments. Isolated weak to moderate oxidation along fractures. Trace to 0.5 pc fg disseminated py. Intercalated with underlying magnetic deformed tuffaceous	41.00	42.00	I276589	1.00	0.019

Description			Assay				
			From	To	Sample number	Length	AuBest
		unit over 1m at lower ctc.					
40.85	126.00	Vn;1%;Ca;Ra;;;					
		vein (5 mm - 10 cm) 1% calcite random					
		Greyish-white calcite veining. Locally with greyish qtz and sub-paralle tca with undulating walls.					
42.00	43.00	Py00.7	42.00	43.00	I276590	1.00	0.018
		Pyrite 0.7%					
43.00	44.00	Py00.5	43.00	44.00	I276591	1.00	0.018
		Pyrite 0.5%					
44.00	45.00	Py00.5	44.00	45.00	I276592	1.00	0.019
		Pyrite 0.5%					
45.00	46.00	Py00.5	45.00	46.00	I276593	1.00	0.021
		Pyrite 0.5%					
46.00	47.00	Py00.5	46.00	47.00	I276594	1.00	0.021
		Pyrite 0.5%					
47.00	48.00	Py00.5	47.00	48.00	I276595	1.00	0.021
		Pyrite 0.5%					
48.00	49.00	Py00.5	48.00	49.00	I276596	1.00	0.023
		Pyrite 0.5%					
49.00	50.00	Py00.5	49.00	50.00	I276597	1.00	0.021
		Pyrite 0.5%					
50.00	51.00	Py00.5	50.00	51.00	I276598	1.00	0.022
		Pyrite 0.5%					
51.00	52.00	Py00.5	51.00	52.00	I276599	1.00	0.024
		Pyrite 0.5%					
52.00	57.00	Py00.2	52.00	53.00	I276602	1.00	0.027
		Pyrite 0.2%					
53.00	130.70	Ank01; Se01; Ca01	53.00	54.00	I276603	1.00	0.023
		Ankerite 1; Sericite 1; Calcite 1	54.00	55.00	I276604	1.00	0.024
		Very weak selective sericite-carbonate alteration.	55.00	56.00	I276605	1.00	0.023
			56.00	57.00	I276606	1.00	0.023
57.00	58.00	Py00.5	57.00	58.00	I276607	1.00	0.026
		Pyrite 0.5%					
58.00	59.00	Py00.5	58.00	59.00	I276608	1.00	0.025
		Pyrite 0.5%					
59.00	60.00	Py00.5	59.00	60.00	I276609	1.00	0.024
		Pyrite 0.5%					
60.00	61.00	Py00.5	60.00	61.00	I276610	1.00	0.024
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
61.00	67.00	Py00.2	61.00	62.00	I276611	1.00	0.025
		Pyrite 0.2%	62.00	63.00	I276612	1.00	0.026
			63.00	64.00	I276613	1.00	0.023
			64.00	65.00	I276614	1.00	0.024
			65.00	66.00	I276615	1.00	0.023
			66.00	67.00	I276616	1.00	0.022
67.00	68.00	Py00.5	67.00	68.00	I276617	1.00	0.022
		Pyrite 0.5%					
68.00	82.00	Py00.2	68.00	69.00	I276618	1.00	0.022
		Pyrite 0.2%	69.00	70.00	I276619	1.00	0.025
			70.00	71.00	I276620	1.00	0.023
			71.00	72.00	I276621	1.00	0.028
			72.00	73.00	I276622	1.00	0.027
			73.00	74.00	I276623	1.00	0.024
			74.00	75.00	I276624	1.00	0.022
			75.00	76.00	I276627	1.00	0.037
			76.00	77.00	I276628	1.00	0.023
			77.00	78.00	I276629	1.00	0.02
			78.00	79.00	I276630	1.00	0.02
			79.00	80.00	I276631	1.00	0.025
			80.00	81.00	I276632	1.00	0.025
			81.00	82.00	I276633	1.00	0.032
82.00	83.00	Py00.5	82.00	83.00	I276634	1.00	0.025
		Pyrite 0.5%					
83.00	84.00	Py00.5	83.00	84.00	I276635	1.00	0.027
		Pyrite 0.5%	84.00	85.00	I276636	1.00	0.025
			85.00	86.00	I276637	1.00	0.023
			86.00	87.00	I276638	1.00	0.026
			87.00	88.00	I276639	1.00	0.024
			88.00	89.00	I276640	1.00	0.022
			89.00	90.00	I276641	1.00	0.022
			90.00	91.00	I276642	1.00	0.024
			91.00	92.00	I276643	1.00	0.027
			92.00	93.00	I276644	1.00	0.025

Description	Assay				
	From	To	Sample number	Length	AuBest
	93.00	94.00	I276645	1.00	0.026
	94.00	95.00	I276646	1.00	0.025
	95.00	96.00	I276647	1.00	0.024
	96.00	97.00	I276648	1.00	0.028
	97.00	98.00	I276649	1.00	0.025
	98.00	99.00	I276652	1.00	0.028
	99.00	100.00	I276653	1.00	0.04
	100.00	101.00	I276654	1.00	0.024
	101.00	102.00	I276655	1.00	0.023
	102.00	103.00	I276656	1.00	0.03
	103.00	104.00	I276657	1.00	0.022
	104.00	105.00	I276658	1.00	0.022
	105.00	106.00	I276659	1.00	0.022
	106.00	107.00	I276660	1.00	0.022
	107.00	108.00	I276661	1.00	0.02
	108.00	109.00	I276662	1.00	0.022
	109.00	110.00	I276663	1.00	0.021
	110.00	111.00	I276664	1.00	0.022
	111.00	112.00	I276665	1.00	0.024
	112.00	113.00	I276666	1.00	0.022
	113.00	114.00	I276667	1.00	0.02
	114.00	115.00	I276668	1.00	0.02
	115.00	116.00	I276669	1.00	0.025
	116.00	117.00	I276670	1.00	0.024
	117.00	118.00	I276671	1.00	0.022
	118.00	119.00	I276672	1.00	0.022
	119.00	120.00	I276673	1.00	0.023
	120.00	121.00	I276674	1.00	0.023
	121.00	122.00	I276677	1.00	0.023
	122.00	123.00	I276678	1.00	0.021
	123.00	124.00	I276679	1.00	0.023
	124.00	125.00	I276680	1.00	0.02
	125.00	126.00	I276681	1.00	0.024
	126.00	127.00	I276682	1.00	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
			127.00	128.00	I276683	1.00	0.019
			128.00	129.24	I276684	1.24	0.031
			129.24	130.00	I276685	0.76	0.005
			130.00	131.00	I276686	1.00	0.005
130.70	219.67	V4; Tuff; PyroTuff	131.00	132.00	I276687	1.00	<0.005
		Trachyte 65°; TUFF; PYROCLASTIC (TUFFACEOUS)	132.00	133.00	I276688	1.00	0.006
		Med green fg tuff. Strong pervasive med green chl alteration with moderate pervasive magnetistm. Weak to moderate selective calcite alteration with pink colouration from155m. Weak selective ankerite alteration appearing at 197m, Weak isolated and wispy sericite along escape structures and attenuated within foliation. Wispy greyish white calcite veinlets and sweats. Moderate to strong pervasive foliation with well defined small-scale repetitive S-C fabric to 180m and in isolated patches to lower ctc. Weakening deformation at 180m with preseved yet weakly elongated lensoidal pummice fragments - calcite altered and pinkish. Small select calcite veinlets with orangy barite incl. Trace fg py.	133.00	133.70	I276689	0.70	<0.005
130.70	197.00	Cl03; Mgt02; Ca01; Se01					
		Chlorite 3; Magnetite 2; Calcite 1; Sericite 1					
		Strong pervasive med green chl alteration. Moderate pervasive magnetite. Weak to moderate selective calcite alteration. Weak isolated and wispy sericite along escape structures and attenuated within foliation. Faint pink staining of calcite.					
130.70	133.60	Vn;2%;Qac;Vc;;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein cross-cutting foliation					
		White to pinky qtz-ankerite veining with incl of dk green chl. Undulating walls. Mottled metamorphic texture.					
133.60	205.00	Vt;1%;Ca;Vn;;;	133.70	134.40	I276690	0.70	<0.005
		veinlet (1-5 mm) 1% calcite vein parallel to foliation	134.40	135.00	I276691	0.60	<0.005
		Pinky-grey to whitish calcite veinlets selectively with qtz. Irregular blebs or sweats to veinlets aligned within foliation.	135.00	136.00	I276692	1.00	<0.005
			136.00	137.00	I276693	1.00	<0.005
			137.00	138.00	I276694	1.00	<0.005
			138.00	139.00	I276695	1.00	0.005
			139.00	140.00	I276696	1.00	0.005
			140.00	141.00	I276697	1.00	0.018
			141.00	142.00	I276698	1.00	0.006
			142.00	143.00	I276699	1.00	0.045
			143.00	144.00	I276702	1.00	0.009
			144.00	145.00	I276703	1.00	0.005
			145.00	146.00	I276704	1.00	<0.005
			146.00	147.00	I276705	1.00	<0.005
			147.00	148.00	I276706	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	148.00	149.00	I276707	1.00	<0.005
	149.00	150.00	I276708	1.00	<0.005
	150.00	151.00	I276709	1.00	0.005
	151.00	152.00	I276710	1.00	0.005
	152.00	153.00	I276711	1.00	0.005
	153.00	154.00	I276712	1.00	0.005
	154.00	155.00	I276713	1.00	0.005
	155.00	156.00	I276714	1.00	0.006
	156.00	157.00	I276715	1.00	0.005
	157.00	158.00	I276716	1.00	0.005
	158.00	159.00	I276717	1.00	0.005
	159.00	160.00	I276718	1.00	0.006
	160.00	161.00	I276719	1.00	0.005
	161.00	162.00	I276720	1.00	0.005
	162.00	163.00	I276721	1.00	0.006
	163.00	164.00	I276722	1.00	0.005
	164.00	165.00	I276723	1.00	<0.005
	165.00	166.00	I276724	1.00	<0.005
	166.00	167.00	I276727	1.00	0.007
	167.00	168.00	I276728	1.00	0.011
	168.00	169.00	I276729	1.00	0.005
	169.00	170.00	I276730	1.00	0.012
	170.00	171.00	I276731	1.00	0.005
	171.00	172.00	I276732	1.00	0.006
	172.00	173.00	I276733	1.00	0.005
	173.00	174.00	I276734	1.00	0.006
	174.00	175.00	I276735	1.00	0.005
	175.00	176.00	I276736	1.00	0.005
	176.00	177.00	I276737	1.00	0.005
	177.00	178.00	I276738	1.00	0.007
	178.00	179.00	I276739	1.00	0.005
	179.00	180.00	I276740	1.00	<0.005
	180.00	181.00	I276741	1.00	0.006
	181.00	182.00	I276742	1.00	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			182.00	183.00	I276743	1.00	0.01
			183.00	184.00	I276744	1.00	0.013
			184.00	185.00	I276745	1.00	0.015
			185.00	186.00	I276746	1.00	<0.005
			186.00	187.00	I276747	1.00	<0.005
			187.00	188.00	I276748	1.00	0.005
			188.00	189.00	I276749	1.00	<0.005
			189.00	190.00	I276752	1.00	<0.005
			190.00	191.00	I276753	1.00	<0.005
			191.00	192.00	I276754	1.00	0.006
			192.00	193.00	I276755	1.00	0.012
			193.00	194.00	I276756	1.00	0.011
			194.00	195.00	I276757	1.00	<0.005
			195.00	196.00	I276758	1.00	0.01
			196.00	197.00	I276759	1.00	<0.005
197.00	207.00	Cl03; Mgt02; Ca01; Ank01; Se01	197.00	198.00	I276760	1.00	<0.005
		Chlorite 3; Magnetite 2; Calcite 1; Ankerite 1; Sericite 1	198.00	199.00	I276761	1.00	<0.005
		Strong pervasive calcite alteration and moderate magnetite. Weak selective calcite alteration with traces	199.00	200.00	I276762	1.00	0.01
		of weak ankerite. Trace weak sericite attenuated with fol.	200.00	201.00	I276763	1.00	0.009
			201.00	202.00	I276764	1.00	0.009
			202.00	203.00	I276765	1.00	0.007
			203.00	204.00	I276766	1.00	0.007
			204.00	205.00	I276767	1.00	0.007
			205.00	206.00	I276768	1.00	0.008
			206.00	207.00	I276769	1.00	0.008
207.00	210.76	Ank02; Se02; Cl02; Mgt02	207.00	208.00	I276770	1.00	0.01
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2	208.00	209.00	I276771	1.00	0.012
		Moderate selective ankerite with wispy sericite attenuated along foliation plane. Moderate pervasive chl-magnetite alteration.					
209.00	218.60	Vn;2%;Qak;Vc;;;	209.00	210.00	I276772	1.00	0.017
		vein (5 mm - 10 cm) 2% quartz-ankerite vein cross-cutting foliation	210.00	211.00	I276773	1.00	<0.005
		Pinky-grey to beige qtz-ankerite veining. Undulating walls cross-cutting foliation. Mineralized with fg py.					
210.76	219.67	Ank03; Se03; Mgt02; Cl02	211.00	212.00	I276774	1.00	0.005
		Ankerite 3; Sericite 3; Magnetite 2; Chlorite 2	212.00	213.00	I276777	1.00	0.005
		Strong pervasive ankerite-sericite alteration. Moderate pervasive magnetite. Weak to moderate selective	213.00	214.00	I276778	1.00	<0.005
		med greyish-green chl.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			214.00	215.00	I276779	1.00	<0.005
215.00	217.00	Py00.2	215.00	216.00	I276780	1.00	0.023
		Pyrite 0.2%	216.00	217.00	I276781	1.00	0.017
		Eu-subhedral fg disseminated py.	217.00	218.00	I276782	1.00	<0.005
			218.00	218.90	I276783	0.90	0.006
218.60	219.67	Vt;5%;Ak;Vn;;;	218.90	219.70	I276784	0.80	0.005
		veinlet (1-5 mm) 5% ankerite vein parallel to foliation					
		White to beige ankerite veinlets.					
219.67	223.06	V4; PyroTuff					
		Trachyte 50°; PYROCLASTIC (TUFFACEOUS)					
		Pale greenish to yellowy-beige pyroclastic tuff. Fg groundmass with intense pervasive ankerite-sericite alteration. Fine to med sized greyish silicified lensoidal fragments weakly stretched along plane from 221.7 to 223.06m. Definite weak orientation of fragments and wispy sericite but no well defined foliation. Beige ankerite veining with undulating walls. Smoky-grey qtz veining. Non magnetic. Fg to f-mg disseminated py.					
219.67	223.06	Se03; Ank03					
		Sericite 3; Ankerite 3					
		Intense sericite with selective ankerite.					
219.67	223.06	Py00.2					
		Pyrite 0.2%					
		Eu-subhedral f-mg py clustered to disseminated.					
219.67	223.06	Vt;4%;Qak;Ra;;;	219.70	220.35	I276785	0.65	0.027
		veinlet (1-5 mm) 4% quartz-ankerite random	220.35	221.00	I276786	0.65	0.046
		Smoky-grey to beige qtz and ankerite veining. Random to cross-cutting foliation. Mineralized with fg py.	221.00	221.64	I276787	0.64	0.023
			221.64	222.40	I276788	0.76	0.029
			222.40	223.06	I276789	0.66	0.022
223.06	245.75	V4; Vol	223.06	223.80	I276790	0.74	0.005
		Trachyte 60°; VOLCANICLASTIC	223.80	224.30	I276791	0.50	0.008
		Volcaniclastic unit. Pale to med greyish with selective yellowy-beige to pinky-mauve colouration. Fg groundmass with sub-rounded mm f-spars and interstitial ankerite-sericite alteration. Unit comprised of 25 pct smal to med-coarse sub-rounded fragments. Some med grey silicified and mineralized with fg py. Some pale to bed beige with pervasive sericitization. Some pinky-red and glassy with potassic alteration and k-spar filled amygdules. Traces of green carbonate alteration. Small isolated deep red fragments. Selective moderate silicification with grey discolouration. Selective qtz-ankerite veining cross-cutting fragments. Earlier smoky-grey qtz veining mineralized with fg py. Unit is mostly massive with slight elongation of clasts from 235 to 240m. Mineralized with fg disseminated py 0.2 to 1 pct.					
223.06	224.30	K03; Si02; Ank02					
		Potassic 3; Silica 2; Ankerite 2					
		Strong silica-potassic alteration with selective ankerite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
223.06	224.30	Py00.2; Cp00.05					
		Pyrite 0.2%; Chalcopyrite 0.05%					
		Fg py. Trace chalcopyrite.					
223.06	229.85	Vn;3%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 3% random					
		Greyish to beige qtz-ankerite veining. Mineralized smoky-grey qtz veins as well as networks of qtz-ankerite with orangy incl.					
224.30	228.00	Si02; Se02; K02; Ank01	224.30	225.00	I276792	0.70	1.6
		Silica 2; Sericite 2; Potassic 2; Ankerite 1					
		Moderate selective silica with interstitial sericite and traces of ankerite. Selective zones of moderate potassic alteration. Weak isolated ankerite.					
224.30	225.00	Py00.7					
		Pyrite 0.7%					
		fine grained pyrite					
225.00	226.00	Py01	225.00	226.00	I276793	1.00	0.184
		Pyrite 1%					
		fine grained pyrite					
226.00	227.00	Py01	226.00	227.00	I276794	1.00	0.372
		Pyrite 1%					
		fine grained pyrite					
227.00	228.00	Py00.7	227.00	228.00	I276795	1.00	0.066
		Pyrite 0.7%					
		fine grained pyrite					
228.00	229.85	K03; Si02; Ank01	228.00	229.00	I276796	1.00	0.008
		Potassic 3; Silica 2; Ankerite 1	229.00	229.70	I276797	0.70	0.01
		Strong potassic alteration with moderate to strong silicification. Weak to moderate selective ankerite.					
228.00	229.70	Py00.1					
		Pyrite 0.1%					
		traces					
229.70	230.40	Py00.5	229.70	230.40	I276798	0.70	0.078
		Pyrite 0.5%					
		fine grained pyrite					
229.85	240.00	Se03; Ank01					
		Sericite 3; Ankerite 1					
		Strong sericite alteration with weak isolated ankerite.					
230.40	231.00	Py00.5	230.40	231.00	I276799	0.60	0.032
		Pyrite 0.5%					
		fine grained pyrite					
231.00	237.00	Py00.5	231.00	232.00	I276802	1.00	0.026
		Pyrite 0.5%	232.00	233.00	I276803	1.00	0.031

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite	233.00	234.00	I276804	1.00	0.042
			234.00	235.00	I276805	1.00	0.03
234.36	255.20	Vn;0.5%;Qak;Ra;;;	235.00	236.00	I276806	1.00	0.024
		vein (5 mm - 10 cm) 0.5% quartz-ankerite random	236.00	237.00	I276807	1.00	0.377
		Greyish to white-beige qtz-ankerite veinlets.					
237.00	240.00	Py00.2	237.00	238.00	I276808	1.00	0.036
		Pyrite 0.2%	238.00	239.00	I276809	1.00	0.094
		fine grained pyrite	239.00	240.00	I276810	1.00	0.01
240.00	245.75	Se02; Si02	240.00	241.00	I276811	1.00	0.032
		Sericite 2; Silica 2					
		Moderate to strong selective sericite with patchy moderate silicification.					
240.00	241.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
241.00	242.00	Py00.5	241.00	242.00	I276812	1.00	0.096
		Pyrite 0.5%					
		fine grained pyrite					
242.00	243.00	Py00.5	242.00	243.00	I276813	1.00	0.046
		Pyrite 0.5%					
		fine grained pyrite disseminate					
243.00	244.00	Py00.5	243.00	244.00	I276814	1.00	0.057
		Pyrite 0.5%					
244.00	245.00	Py00.5	244.00	245.00	I276815	1.00	0.037
		Pyrite 0.5%					
		fine grained pyrite					
245.00	245.70	Py00.5	245.00	245.70	I276816	0.70	0.166
		Pyrite 0.5%					
		fine grained pyrite					
245.70	247.00	Py00.5	245.70	246.30	I276817	0.60	0.018
		Pyrite 0.5%					
245.75	250.10	V4; PyroTuff					
		Trachyte; PYROCLASTIC (TUFFACEOUS)					
		Pale to med grey with yellowy-beige colouration. Strong sericite with weak interstitial ankerite. Fg feldpar rich groundmass with selective moderate silicification and possible albite as well as fine to coarse lensoidal fragments with pervasive sericitization weak to moderately laminated - possible altered pumice. Non magnetic. Fg py disseminated within greyish groundmass.					
245.75	260.00	Se03; Ank02	246.30	247.00	I276818	0.70	0.021
		Sericite 3; Ankerite 2					
		Strong selective sericite with weak to strong selective ankerite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
247.00	248.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	247.00	248.00	I276819	1.00	0.323
248.00	249.00	Py01 **Pyrite 1%** fine grained pyrite	248.00	249.00	I276820	1.00	0.065
249.00	250.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	249.00	250.00	I276821	1.00	0.012
250.00	251.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	250.00	251.00	I276822	1.00	0.044
250.10	258.50	V4; PyroTuff; Vol **Trachyte 25°; PYROCLASTIC (TUFFACEOUS); VOLCANICLASTIC** Fragmental unit with f-mg feldspar rich groundmass. Pyroclastic to volcaniclastic - possible conglomerate with granular or crystal rich matrix. Strong selective sericite with interstitial ankerite and selective silicification. Fine to med sub-angular to lensoidal fragments with sericite + ankerite + silica alteration. Poorly sorted fragments except from pumice clusters within tuffaceous sections. Localized fragments with mm alteration rims. Isolated fragments with weak potassic alteration. Few qtz-ankerite undulating veinlets. Isolated smoky-grey qtz vein with hydrothermal brecciation of wall rock and fg disseminated py. Weak intermittent lamination - tuffaceous sections. Non-magnetic. Well mineralized with 0.5 to 1 pct fg disseminated py. Traces of moly and arsenopyrite.					
251.00	252.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	251.00	252.00	I276823	1.00	0.065
252.00	253.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	252.00	253.00	I276824	1.00	0.059
253.00	254.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	253.00	254.00	I276827	1.00	0.063
254.00	255.00	Py00.5; Mo00.05 **Pyrite 0.5%; Molybdenite 0.05%** fine grained pyrite. Trace molybdenite.	254.00	255.00	I276828	1.00	0.099
255.00	256.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	255.00	256.00	I276829	1.00	0.077
255.35	255.43	Vn;80%;Sgq;Ra;;; **vein (5 mm - 10 cm) 80% smoky grey quartz random** Smoky-grey hydrothermal vein with med angular brecciated wall rock fragments. Fg disseminated py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
255.50	262.40	Vn;1%;Qak;Ra;;; **vein (5 mm - 10 cm) 1% quartz-ankerite random** White to greyish-beige qtz-ankerite veinlets with undulating walls.					
256.00	257.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	256.00	257.00	I276830	1.00	0.135
257.00	258.00	Py00.7; As00.1 **Pyrite 0.7%; Arsenopyrite 0.1%** Isolated euhedral f-mg aresenopyrite.	257.00	258.00	I276831	1.00	0.084
258.00	259.00	Py00.5 **Pyrite 0.5%**	258.00	259.00	I276832	1.00	0.057
258.50	262.40	V4; PyroTuff **Trachyte 50°; PYROCLASTIC (TUFFACEOUS)** Pale to med yellowy-greenish grey. Strong sericite-ankerite alteration. Moderate pervasive lamination sub-perpendicular tca. Fg groundmass with fine to med attenuated lensoidal pumice fragments. Disseminated fg magnetite. Fg to f-mg rounded feldspars locally with pervasive sericitization. Few white-beige qtz-ankerite veinlets parallel to lamination. Trace fg py.					
259.00	260.00	Py00.2 **Pyrite 0.2%**	259.00	260.00	I276833	1.00	0.008
260.00	262.40	Se03; Ank02; Mgt02 **Sericite 3; Ankerite 2; Magnetite 2** Strong selective sericite with weak to strong selective ankerite. Moderate magnetism.	260.00	261.00	I276834	1.00	<0.005
260.00	261.00	Py00.2 **Pyrite 0.2%**					
261.00	262.00	Py00.5 **Pyrite 0.5%**	261.00	262.00	I276835	1.00	0.006
262.00	262.40	Py00.5 **Pyrite 0.5%**	262.00	262.40	I276836	0.40	0.018
262.40	288.45	V4; Vol; Per; Lithic **Trachyte 70°; VOLCANICLASTIC; PERLITIC; LITHIC** Med brick red with selective greyish-beige colouration at upper ctc. Intense potassic alteration. Moderate ankerite alteration - greyish pinky alteration in between fragments. Moderate to strong sericite and selective silicification up to 267m. Glassy groundmass with perlitic texture. Dk green chl veinlets to 266m. Thin ankerite-qtz veinlets to hairlines cross-cutting fragments with selective conc of specular hematite as well as trace incl of chalco and moly. Mineralized with fg py conc within irregular wispy blebs and lithic fragments which have been almost completely altered with potassic alteration. Isolated dk grey wispy patches of moderate to strong magnetism.	262.40	263.00	I276837	0.60	0.464
262.40	267.00	Se03; K02; Ank02 **Sericite 3; Potassic 2; Ankerite 2** Strong sericitization with isolated moderate to strong potassic alteration. Weak isolated ankerite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
262.40	263.00	Py00.5					
		Pyrite 0.5%					
262.60	266.30	Vt;1%;Cl;Ra;;;					
		veinlet (1-5 mm) 1% chlorite random					
		Dk green chl veinlets.					
263.00	264.00	Py00.5	263.00	264.00	I276838	1.00	0.007
		Pyrite 0.5%					
264.00	265.00	Py00.5	264.00	265.00	I276839	1.00	0.012
		Pyrite 0.5%					
265.00	266.00	Py00.5	265.00	266.00	I276840	1.00	0.012
		Pyrite 0.5%					
266.00	267.00	Py01	266.00	267.00	I276841	1.00	0.022
		Pyrite 1%					
267.00	272.00	K03; Si02; Ank02	267.00	268.00	I276842	1.00	0.15
		Potassic 3; Silica 2; Ankerite 2					
		Strong potassic alteration with selective moderate to strong silica. Weak to moderate isolated - interstitial ankerite.					
267.00	268.00	Py00.5					
		Pyrite 0.5%					
268.00	269.00	Py00.5	268.00	269.00	I276843	1.00	0.051
		Pyrite 0.5%					
269.00	270.00	Py01					
		Pyrite 1%					
		fine grained disseminate					
269.00	288.00	Vt;2%;Qak;Ra;;Hem Mo Cp;	269.00	270.00	I276844	1.00	0.06
		veinlet (1-5 mm) 2% quartz-ankerite random SPECULARITE Molybdenite Chalcopyrite					
		Yellowy-white felds-ankerite + qtz veinlets with isolated trace incl of moly and or chalco. Selectively conc with/replaced with specular hematite.					
270.00	271.00	Py01	270.00	271.00	I276845	1.00	0.096
		Pyrite 1%					
		fine grained disseminate.					
271.00	272.00	Py00.5; Cp00.05	271.00	272.00	I276846	1.00	0.034
		Pyrite 0.5%; Chalcopyrite 0.05%					
		Trace blebs of chalco within conc irregular vein of py and specular hematite.					
272.00	288.45	K03; Ank02	272.00	273.00	I276847	1.00	0.025
		Potassic 3; Ankerite 2					
		Intense pervasive potassic alteration. Moderate selective ankerite.					
272.00	273.00	Py00.7; Mo00.05					
		Pyrite 0.7%; Molybdenite 0.05%					
		stringers and fine grained disseminate pyrite. Moly within veinlet.					

Description			Assay				
			From	To	Sample number	Length	AuBest
273.00	274.00	Py00.5; Mo00.05	273.00	274.00	I276848	1.00	0.056
		Pyrite 0.5%; Molybdenite 0.05%					
		fine grained disseminate					
274.00	275.00	Py00.5	274.00	275.00	I276849	1.00	0.042
		Pyrite 0.5%					
275.00	276.00	Py00.5; Mo00.05	275.00	276.00	I276852	1.00	0.034
		Pyrite 0.5%; Molybdenite 0.05%					
276.00	277.00	Py00.5	276.00	277.00	I276853	1.00	0.071
		Pyrite 0.5%					
277.00	278.00	Py00.5	277.00	278.00	I276854	1.00	0.029
		Pyrite 0.5%					
278.00	279.00	Py00.5	278.00	279.00	I276855	1.00	0.056
		Pyrite 0.5%					
279.00	280.00	Py00.5	279.00	280.00	I276856	1.00	0.021
		Pyrite 0.5%					
280.00	281.00	Py00.5	280.00	281.00	I276857	1.00	0.117
		Pyrite 0.5%					
281.00	282.00	Py00.5	281.00	282.00	I276858	1.00	0.065
		Pyrite 0.5%					
282.00	283.00	Py00.5	282.00	283.00	I276859	1.00	0.094
		Pyrite 0.5%					
283.00	284.00	Py00.5	283.00	284.00	I276860	1.00	0.091
		Pyrite 0.5%					
284.00	285.00	Py00.5	284.00	285.00	I276861	1.00	0.029
		Pyrite 0.5%					
285.00	286.00	Py00.5	285.00	286.00	I276862	1.00	0.068
		Pyrite 0.5%					
286.00	287.00	Py00.5	286.00	287.00	I276863	1.00	0.059
		Pyrite 0.5%					
287.00	287.85	Py00.2	287.00	287.85	I276864	0.85	0.006
		Pyrite 0.2%					
287.85	288.45	Py02	287.85	288.45	I276865	0.60	0.009
		Pyrite 2%					
288.45	292.00	Se03; Ank03	288.45	289.00	I276866	0.55	0.005
		Sericite 3; Ankerite 3					
		Strong pervasive sericite. Strong selective ankerite.					
288.45	289.00	Py00.2					
		Pyrite 0.2%					
288.50	307.90	V4; PyroTuff					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte 50°; PYROCLASTIC (TUFFACEOUS)					
		Med greenish-yellow to grey tuffaceous pyroclastic. Strong sericite-ankerite alteration at upper contact slightly waning downhole with the introduction of magnetite and weak isolated potassic alteration. Traces of wispy fuchsite. Weak to moderate pervasive lamination. Fg groundmass with f-mg altered feldspars and fine to med lensoidal pumice fragments. Large pegmatitic vein of k-felds and qtz-ankerite with mottled to wispy chl-sericite incl and irregular blebs of py. Beige qtz-ankerite veins to veinlets and dk green chloritic stringers. Patchy pseudo-brecciated texture - possible volcaniclastic component. Traces of fg py.					
289.00	290.00	Py00.2	289.00	290.00	I276867	1.00	0.006
		Pyrite 0.2%					
289.05	294.40	Vn;1%;Qak;Vn;;;					
		vein (5 mm - 10 cm) 1% quartz-ankerite vein parallel to foliation					
		White to yellowy-beige qtz-ankerite veining with selective potassic alteration.					
290.00	291.00	Py00.2	290.00	291.00	I276868	1.00	<0.005
		Pyrite 0.2%					
291.00	295.20	Py00.2	291.00	292.00	I276869	1.00	<0.005
		Pyrite 0.2%					
292.00	302.50	Se02; Ank02; Mgt02; K02	292.00	293.00	I276870	1.00	0.025
		Sericite 2; Ankerite 2; Magnetite 2; Potassic 2	293.00	294.00	I276871	1.00	0.014
		Moderate selective sericite-ankerite alteration with patchy magnetism and isolated moderate to strong potassic alteration.	294.00	295.20	I276872	1.20	0.015
295.20	296.00	Py00.1					
		Pyrite 0.1%					
295.20	296.00	Vm;95%;Qcr;Vc;70°;Py00.1;	295.20	296.00	I276873	0.80	0.037
		major vein (10 cm or greater) 95% vein cross-cutting foliation 70°					
		Pegmatitic k-felds vein with grey qtz and white-beige ankerite.					
296.00	299.00	Py00.5					
		Pyrite 0.5%					
296.00	309.00	Vt;1%;Qac;Ra;;;	296.00	297.00	I276874	1.00	0.033
		veinlet (1-5 mm) 1% quartz-ankerite-chlorite random	297.00	298.00	I276877	1.00	0.029
		Beige to white qtz-ankerite-chl veinlets with selective k-spar. Irregular and undulating.	298.00	299.00	I276878	1.00	0.013
299.00	307.00	Py00.2	299.00	300.00	I276879	1.00	0.008
		Pyrite 0.2%	300.00	301.00	I276880	1.00	0.021
			301.00	302.00	I276881	1.00	0.025
			302.00	303.00	I276882	1.00	0.012
302.50	314.73	Ank02; K02; Si02; Mgt02	303.00	304.00	I276883	1.00	0.017
		Ankerite 2; Potassic 2; Silica 2; Magnetite 2	304.00	305.00	I276884	1.00	0.023
		Moderate selective potassic-silica-ankerite alteration. Moderate to strong pervasive magnetism.	305.00	306.00	I276885	1.00	0.01
			306.00	307.00	I276886	1.00	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
307.00	309.00	Py00.5 **Pyrite 0.5%**	307.00	308.00	I276887	1.00	0.011
307.90	394.25	V4; Vol **Trachyte 60°; VOLCANICLASTIC** Volcaniclastic fragmented unit. Med grey with purple-green tinge. Selective pinky-red zones of weak to strong potassic alteration and perlitic texture within glassy groundmass. Isolated silicification. Moderate to strong selective ankerite alteration. Interstitial dk green chl alteration. Moderate to strong pervasive magnetism. Fg groundmass with fine to coarse rounded to sub-angular non sorted fragments. White to greyish ankerite-qtz undulating veins. Isolated hydrothermal brecciated veins. Intensifying alteration with foliation developing towards lower ctc as well as broken and rubbley core - possible fault zone. Trace to 1 pct fg disseminated py. Traces of moly and chalco.	308.00	309.00	I276888	1.00	0.024
309.00	310.00	Py01 **Pyrite 1%** fine grained disseminate pyrite					
309.00	314.00	Vn;5%;Qak;In;60°;; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60°** Milky greyish-white lg ankerite vein as well as smaller qtz-ankerite veinlets with isolated k-spar. Selective hydrothermatl veining and brecciation.	309.00	310.00	I276889	1.00	0.058
310.00	312.00	Py00.5 **Pyrite 0.5%**	310.00 311.00	311.00 312.00	I276890 I276891	1.00 1.00	0.028 0.02
312.00	313.00	Py00.2 **Pyrite 0.2%**	312.00	313.00	I276892	1.00	0.01
313.00	315.00	Py00.5 **Pyrite 0.5%**	313.00 314.00	314.00 315.00	I276893 I276894	1.00 1.00	0.017 0.009
314.73	331.15	Ank02; Cl02; Mgt02; K01 **Ankerite 2; Chlorite 2; Magnetite 2; Potassic 1** Moderate to strong selective ankerite-chl alteration with moderate to strong pervasive magnetism and isolated weak potassic alteration.					
315.00	334.00	Py00.2 **Pyrite 0.2%**	315.00	316.00	I276895	1.00	0.008
316.00	326.40	Vn;2%;Qak;Ra;;; **vein (5 mm - 10 cm) 2% quartz-ankerite random** White to greyish to pinky ankerite veining with qtz and isolated k-spar. Irregular and undulating.	316.00 317.00 318.00 319.00 320.00 321.00 322.00 323.00	317.00 318.00 319.00 320.00 321.00 322.00 323.00 324.00	I276896 I276897 I276898 I276899 I276902 I276903 I276904 I276905	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.005 <0.005 <0.005 0.005 0.006 <0.005 0.005 <0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			324.00	325.00	I276906	1.00	<0.005
			325.00	326.00	I276907	1.00	<0.005
			326.00	327.00	I276908	1.00	0.005
			327.00	328.00	I276909	1.00	0.006
			328.00	329.00	I276910	1.00	<0.005
			329.00	330.00	I276911	1.00	<0.005
			330.00	331.00	I276912	1.00	<0.005
			331.00	332.00	I276913	1.00	<0.005
331.15	334.00	Ank02; Cl02; K01	332.00	333.00	I276914	1.00	<0.005
		Ankerite 2; Chlorite 2; Potassic 1	333.00	334.00	I276915	1.00	<0.005
		Moderate to strong selective ankerite-chl alteration with isolated weak potassic alteration.					
334.00	341.00	Ank03; K02; Mgt02; Se02; Cl02	334.00	335.00	I276916	1.00	<0.005
		Ankerite 3; Potassic 2; Magnetite 2; Sericite 2; Chlorite 2					
		Strgon selective ankerite with moderate potassic alteration. Selective moderate magnetism. Isolated unit with moderate to strong wispy sericite and moderate chl alteration - flow top chill margin at 338.3m.					
334.00	338.00	Py05					
		Pyrite 5%					
335.00	358.08	Vn;2%;Ak Qak;Ra;;;	335.00	336.00	I276917	1.00	0.008
		vein (5 mm - 10 cm) 2% ankerite quartz-ankerite random	336.00	337.00	I276918	1.00	0.007
		Greyish-white ankerite veins with minor qtz incl and trace orangy barite.	337.00	338.00	I276919	1.00	0.067
338.00	339.00	Py00.7	338.00	339.00	I276920	1.00	0.025
		Pyrite 0.7%					
		fine grained disseminated and stringers pyrite					
338.30	338.65	FTH					
		Flow Top/Hyaloclastite 40°					
		Med grey-green chilled flow top. Fg to f-mg with rounded felds and interstitial chl. Moderate wispy sericite attenuated and conc in thin bands at ctc. Isolated pinky-red glassy fragment. Non magnetic and not mineralized.					
339.00	345.00	Py00.5	339.00	340.00	I276921	1.00	0.02
		Pyrite 0.5%	340.00	341.00	I276922	1.00	0.008
341.00	359.60	Ank03; Mgt02; Cl02; Se01; K01	341.00	342.00	I276923	1.00	0.005
		Ankerite 3; Magnetite 2; Chlorite 2; Sericite 1; Potassic 1	342.00	343.00	I276924	1.00	0.005
		Strong pervasive ankerite. Moderate disseminated magnetite. Moderate interstitial dk green chl. Weak to selectively strong potassic alteration of fragments isolated to ctcs. Weak to moderate isolated wispy interstitial sericite.	343.00	343.94	I276927	0.94	0.007
			343.94	345.00	I276928	1.06	0.008
345.00	349.00	Py00.2	345.00	346.00	I276929	1.00	<0.005
		Pyrite 0.2%	346.00	347.00	I276930	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			347.00	348.00	I276931	1.00	<0.005
			348.00	349.00	I276932	1.00	<0.005
349.00	350.00	Py00.5	349.00	350.00	I276933	1.00	0.012
		Pyrite 0.5%					
350.00	351.00	Py00.2	350.00	351.00	I276934	1.00	<0.005
		Pyrite 0.2%					
351.00	352.00	Py00.5	351.00	352.00	I276935	1.00	0.017
		Pyrite 0.5%					
352.00	353.00	Py00.5	352.00	353.00	I276936	1.00	0.007
		Pyrite 0.5%					
353.00	354.00	Py00.5	353.00	354.00	I276937	1.00	<0.005
		Pyrite 0.5%					
354.00	355.00	Py00.5	354.00	355.00	I276938	1.00	<0.005
		Pyrite 0.5%					
355.00	356.00	Py00.5	355.00	356.00	I276939	1.00	<0.005
		Pyrite 0.5%					
356.00	356.76	Py00.2	356.00	356.76	I276940	0.76	0.005
		Pyrite 0.2%					
356.76	361.00	Py00.2	356.76	358.00	I276941	1.24	0.008
		Pyrite 0.2%	358.00	359.00	I276942	1.00	<0.005
			359.00	359.60	I276943	0.60	0.007
359.60	377.30	Ank02; K02; Se02; Mgt02; Cl02	359.60	360.30	I276944	0.70	0.015
		Ankerite 2; Potassic 2; Sericite 2; Magnetite 2; Chlorite 2	360.30	361.00	I276945	0.70	<0.005
		Moderate to strong selective ankerite. Moderate to strong potassic alteration of glassy trachyte fragments. Weak to moderate interstitial sericite. Moderate isolated irregular bands or patches of magnetite. Moderate interstitial chl.					
359.60	361.00	Vn;5%;Qak;;60°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite 60°					
		stockwork					
361.00	364.40	Py00.5	361.00	362.00	I276946	1.00	0.021
		Pyrite 0.5%	362.00	363.00	I276947	1.00	0.144
			363.00	363.60	I276948	0.60	0.041
			363.60	364.40	I276949	0.80	0.043
364.40	366.00	Py00.2	364.40	365.00	I276952	0.60	0.007
		Pyrite 0.2%	365.00	366.00	I276953	1.00	<0.005
366.00	369.00	Py00.5	366.00	367.00	I276954	1.00	0.008
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
366.90	368.10	Vm;30%;Qak;Fl;;;	367.00	368.00	I276955	1.00	0.032
		major vein (10 cm or greater) 30% quartz-ankerite flooding	368.00	369.00	I276956	1.00	0.015
		Greyish-white qtz ankerite hydrothermal veining with brecciated angular fragments of wall rock.					
368.10	377.30	Vn;1%;Qak Cl;Ra;;;					
		vein (5 mm - 10 cm) 1% quartz-ankerite chlorite random					
		White-grey to yellowy-beige undulating qtz-ankerite veins and veinlets. Dk green chl veinlets at low					
		angle tca and cross-cutting most other features.					
369.00	370.00	Py00.2	369.00	370.00	I276957	1.00	0.012
		Pyrite 0.2%					
370.00	373.00	Py00.5	370.00	371.00	I276958	1.00	0.009
		Pyrite 0.5%	371.00	372.00	I276959	1.00	0.021
		fine grained disseminate / stringers pyrite	372.00	373.00	I276960	1.00	0.029
373.00	378.00	Py00.2	373.00	374.00	I276961	1.00	0.047
		Pyrite 0.2%	374.00	375.00	I276962	1.00	0.033
		traces	375.00	376.00	I276963	1.00	0.013
			376.00	377.00	I276964	1.00	0.011
			377.00	378.00	I276965	1.00	0.033
377.30	392.60	Ank03; Se02; K01; Cl02					
		Ankerite 3; Sericite 2; Potassic 1; Chlorite 2					
		Intense pervasive ankerite alteration. Moderate to strong isolated and wispy bands of sericite. Very					
		weak to weak selective potassic alteration. Isolated dk green chlorite in branching veinlets.					
378.00	378.90	Py00.5					
		Pyrite 0.5%					
378.00	384.00	Vn;7%;Qak;Ra;;;	378.00	378.90	I276966	0.90	0.019
		vein (5 mm - 10 cm) 7% quartz-ankerite random					
		Milky-white to greyish ankerite-qtz veining. Low angle tca with undulating walls deformed with wall rock.					
		Selective brecciated incl of wall rock. Dk grey-green chl along vein walls.					
378.90	379.40	Py00.5	378.90	379.40	I276967	0.50	0.084
		Pyrite 0.5%					
379.40	380.40	Py01	379.40	380.40	I276968	1.00	0.062
		Pyrite 1%					
		fine grained disseminated pyrite					
380.40	381.00	Py01	380.40	381.00	I276969	0.60	0.048
		Pyrite 1%					
381.00	382.00	Py00.5	381.00	382.00	I276970	1.00	0.034
		Pyrite 0.5%					
382.00	383.00	Py00.2	382.00	383.00	I276971	1.00	0.017
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
383.00	384.00	Py00.2	383.00	384.00	I276972	1.00	0.029
		Pyrite 0.2%					
384.00	387.00	Py00.5					
		Pyrite 0.5%					
384.00	393.35	Vn;1%;Qak;Ra;;;	384.00	385.00	I276973	1.00	0.033
		vein (5 mm - 10 cm) 1% quartz-ankerite random	385.00	386.00	I276974	1.00	0.051
		Miky-white and grey ankerite with pinky transulcent qtz.	386.00	387.00	I276977	1.00	0.043
387.00	397.00	Py00.2	387.00	388.00	I276978	1.00	0.024
		Pyrite 0.2%	388.00	389.00	I276979	1.00	0.017
		traces	389.00	390.00	I276980	1.00	0.016
			390.00	391.00	I276981	1.00	0.023
391.00	403.00	FAZ	391.00	392.00	I276982	1.00	<0.005
		Fault Zone 60°	392.00	393.00	I276983	1.00	<0.005
		Fault Zone 60° with localized fault gouge					
392.60	394.25	Ank03; Se02; Cl02; Mgt02; K01	393.00	394.20	I276984	1.20	0.007
		Ankerite 3; Sericite 2; Chlorite 2; Magnetite 2; Potassic 1	394.20	395.00	I276985	0.80	<0.005
		Strong selective ankerite. Moderate interstitial sericite and dk green chl. Moderate selective magnetism. Traces of weak isolated potassic alteration.					
394.25	503.80	V4; Tuff; Fol	395.00	396.00	I276986	1.00	0.006
		Trachyte 50°; TUFF; Foliated	396.00	397.00	I276987	1.00	<0.005
		Med to dk green with pink banding. Fg tuffaceous with intense pervasive chl alteration. Moderate pervasive magnetism. Weak to moderate carbonate alteration with ankerite-sericite up to 402.5m transitioning to pink calcite downhole. Weak ankerite-sericite returning from 449 to 494m. Moderate to strong pervasive foliation with alternating pink calcite sweats or veinlets and dk green chl. Isolated wispy sericite attenuated within foliation. Well developed small scale and repetitive S-C fabric. Intermittent zones of broken and rubbley core - possible fault zones. White to pink qtz-carbonate veining with dk green chl incl. Fg disseminated py up to 0.5 pct.					
394.25	402.50	Cl03; Ank02; Se02; Mgt02					
		Chlorite 3; Ankerite 2; Sericite 2; Magnetite 2					
		Strong selective med green chloritic banding with moderate sericite. Moderate to strong selective ankerite alteration. Weak to moderate selective magnetite.					
397.00	398.00	Py00.5	397.00	398.00	I276988	1.00	0.007
		Pyrite 0.5%					
		fine grained disseminate pyrite					
398.00	456.00	Py00.2	398.00	399.00	I276989	1.00	<0.005
		Pyrite 0.2%	399.00	400.00	I276990	1.00	<0.005
		traces as stringers or fine grained irregulary disseminated pyrite	400.00	401.00	I276991	1.00	<0.005
			401.00	402.00	I276992	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
402.00	447.15	Vn;2%;Qca;Ra;;;	402.00	403.00	I276993	1.00	<0.005
		vein (5 mm - 10 cm) 2% quartz-calcite random					
		Pinky-white qtz-calcite veinlets and veins. Isolated brecciated wall fragments.					
402.50	449.00	Cl03; Ca02; Mgt02	403.00	404.00	I276994	1.00	<0.005
		Chlorite 3; Calcite 2; Magnetite 2	404.00	405.00	I276995	1.00	0.005
		Strong pervasive dk green chl. Moderate selective pink calcite. Moderate pervasive magnetite.	405.00	406.00	I276996	1.00	<0.005
			406.00	407.00	I276997	1.00	<0.005
			407.00	408.00	I276998	1.00	<0.005
			408.00	409.00	I276999	1.00	<0.005
			409.00	410.00	I117102	1.00	0.005
			410.00	411.00	I117103	1.00	<0.005
			411.00	412.00	I117104	1.00	<0.005
			412.00	413.00	I117105	1.00	0.009
			413.00	414.00	I117106	1.00	0.007
			414.00	415.00	I117107	1.00	<0.005
			415.00	416.00	I117108	1.00	<0.005
			416.00	417.00	I117109	1.00	<0.005
			417.00	418.00	I117110	1.00	<0.005
			418.00	419.00	I117111	1.00	<0.005
			419.00	420.00	I117112	1.00	<0.005
			420.00	421.00	I117113	1.00	<0.005
			421.00	422.00	I117114	1.00	<0.005
			422.00	423.00	I117115	1.00	<0.005
			423.00	424.00	I117116	1.00	<0.005
			424.00	425.00	I117117	1.00	<0.005
			425.00	426.00	I117118	1.00	<0.005
			426.00	427.00	I117119	1.00	<0.005
			427.00	428.00	I117120	1.00	<0.005
			428.00	429.00	I117121	1.00	<0.005
			429.00	430.00	I117122	1.00	<0.005
			430.00	431.00	I117123	1.00	<0.005
			431.00	432.00	I117124	1.00	<0.005
			432.00	433.00	I117127	1.00	0.009
			433.00	434.00	I117128	1.00	0.006
			434.00	435.00	I117129	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			435.00	436.00	I117130	1.00	0.006
			436.00	437.00	I117131	1.00	0.022
			437.00	438.00	I117132	1.00	0.007
			438.00	439.00	I117133	1.00	0.006
			439.00	440.00	I117134	1.00	0.006
			440.00	441.00	I117135	1.00	0.011
			441.00	442.00	I117136	1.00	0.015
			442.00	443.00	I117137	1.00	<0.005
			443.00	444.00	I117138	1.00	<0.005
			444.00	445.00	I117139	1.00	<0.005
			445.00	446.00	I117140	1.00	<0.005
445.60	446.20	FLT; Gg	446.00	447.00	I117141	1.00	<0.005
		Fault 60°; Fault gouge					
		Fault with chloritic Fault gouge					
446.20	449.00	Fln	447.00	448.00	I117142	1.00	<0.005
		Foliation 60°					
447.15	486.25	Vn;1%;Qak Qca;Vn;;;	448.00	449.00	I117143	1.00	<0.005
		vein (5 mm - 10 cm) 1% quartz-ankerite quartz-calcite vein parallel to foliation					
		White to pink qtz-carbonate veining undulose within deformed foliation.					
449.00	494.00	Cl03; Ca02; Mgt02; Ank02; Se01	449.00	450.00	I117144	1.00	<0.005
		Chlorite 3; Calcite 2; Magnetite 2; Ankerite 2; Sericite 1	450.00	451.00	I117145	1.00	<0.005
		Strong pervasive dk green chl. Moderate selective pink calcite and isolated moderate ankerite. Moderate	451.00	452.00	I117146	1.00	<0.005
		pervasive magnetite. Isolated wispy threads of weak to moderate sericite.	452.00	453.00	I117147	1.00	<0.005
			453.00	454.00	I117148	1.00	<0.005
			454.00	455.00	I117149	1.00	<0.005
			455.00	456.00	I126902	1.00	<0.005
449.00	452.00	FAZ; Gg					
		Fault Zone 50°; Fault gouge					
		Fault with chloritic Fault gouge					
456.00	457.00	Py00.5	456.00	457.00	I126903	1.00	<0.005
		Pyrite 0.5%					
457.00	503.80	Py00.1	457.00	458.00	I126904	1.00	<0.005
		Pyrite 0.1%	458.00	459.00	I126905	1.00	<0.005
		traces of pyrite	459.00	460.00	I126906	1.00	0.005
			460.00	461.00	I126907	1.00	0.009
			461.00	462.00	I126908	1.00	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			462.00	463.00	I126909	1.00	<0.005
			463.00	464.00	I126910	1.00	<0.005
			464.00	465.00	I126911	1.00	<0.005
			465.00	466.00	I126912	1.00	<0.005
			466.00	467.00	I126913	1.00	<0.005
			467.00	468.00	I126914	1.00	<0.005
			468.00	469.00	I126915	1.00	<0.005
			469.00	470.00	I126916	1.00	<0.005
			470.00	471.00	I126917	1.00	0.008
			471.00	472.00	I126918	1.00	<0.005
			472.00	473.00	I126919	1.00	<0.005
			473.00	474.00	I126920	1.00	<0.005
			474.00	475.00	I126921	1.00	<0.005
			475.00	476.00	I126922	1.00	<0.005
			476.00	477.00	I126923	1.00	0.013
			477.00	478.00	I126924	1.00	<0.005
			478.00	479.00	I126927	1.00	<0.005
			479.00	480.00	I126928	1.00	0.005
			480.00	481.00	I126929	1.00	<0.005
			481.00	482.00	I126930	1.00	<0.005
			482.00	483.00	I126931	1.00	<0.005
			483.00	484.00	I126932	1.00	<0.005
			484.00	485.00	I126933	1.00	<0.005
			485.00	486.00	I126934	1.00	<0.005
			486.00	487.00	I126935	1.00	<0.005
486.45	487.04	Vm;60%;Qac;Vn;;;	487.00	488.00	I126936	1.00	<0.005
		major vein (10 cm or greater) 60% quartz-ankerite-chlorite vein parallel to foliation					
		Pinky-grey qtz with white ankerite and dk green wisps of chl.					
487.90	503.80	Vn;1%;Qca;Vn;;;	488.00	489.00	I126937	1.00	<0.005
		vein (5 mm - 10 cm) 1% quartz-calcite vein parallel to foliation	489.00	490.00	I126938	1.00	<0.005
		White to pink qtz-carbonate veining undulose within deformed foliation.	490.00	491.00	I126939	1.00	<0.005
			491.00	492.00	I126940	1.00	<0.005
			492.00	493.00	I126941	1.00	<0.005
			493.00	494.00	I126942	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
494.00	503.80	Cl03; Ca02; Mgt02	494.00	495.00	I126943	1.00	<0.005
		Chlorite 3; Calcite 2; Magnetite 2	495.00	496.00	I126944	1.00	<0.005
		Strong pervasive dk green chl. Moderate selective pink calcite. Moderate pervasive magnetite.	496.00	497.00	I126945	1.00	<0.005
			497.00	498.00	I126946	1.00	<0.005
			498.00	499.00	I126947	1.00	<0.005
			499.00	500.00	I126948	1.00	<0.005
			500.00	501.00	I126949	1.00	<0.005
			501.00	502.00	I279752	1.00	<0.005
			502.00	503.00	I279753	1.00	<0.005
			503.00	503.80	I279754	0.80	0.007
503.80	**End of DDH**						
	Number of samples: 499						
	Number of QAQC samples: 44						
	Total sampled length: 487.60						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_44

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	03/03/2014	Description date:	
		To:	07/03/2014		

Collar

Azimuth:	180.0°
Dip:	-50.0°
Length:	502.50 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,998.782
North	0.0	0.000	5,331,582.290
Elevation	0.0	0.000	339.593

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	30.00	175.2°	-51.1°	No	Mag:55931; Data from Frank Ploeger
ReflexEZS	90.00	169.7°	-49.4°	No	Mag:55701; Data from Frank Ploeger
ReflexEZS	150.00	169.8°	-47.9°	No	Mag:55115; Data from Frank Ploeger
ReflexEZS	216.00	172.4°	-47.2°	No	Mag:54855; Data from Frank Ploeger
ReflexEZS	276.00	170.7°	-46.5°	No	Mag = 55378
ReflexEZS	342.00	173.3°	-46.1°	No	Mag = 55041
ReflexEZS	402.00	174.1°	-45.7°	No	Mag = 54989
ReflexEZS	465.00	177.9°	-44.8°	No	Mag = 55139

Description

Re-Logged by Ciara Cooke in June 2014.

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	10.50	OVB						
		Overburden						
		Casing and overburden.						
10.50	20.70	V4; LapTuff						
		Trachyte; LAPILLI TUFF/AGGLOMERATE						
		Pale greyish-green lapilli tuff. Strong wispy interstitial sericite alteration with selective ankerite. Fg groundmass with f-mg rounded altered felds. Fine to med beige to pale pink glassy fragments weakly stretched oblique tca. Few qtz-ankerite veins with traces of moly. Trace to 0.2 fg disseminated py. Few isolated flamy patches of potassic alteration nearing lower ctc.						
10.50	20.70	Se03; Ank02; K02		10.50	11.00	P122870	0.50	0.094
		Sericite 3; Ankerite 2; Potassic 2		11.00	12.00	P122871	1.00	0.028
		Strong selective sericite-ankerite alteration. Isolated potassic alteration towards lower ctc.		12.00	13.00	P122872	1.00	0.007
12.83	20.70	Vn;1%;Qak;Ra;;;		13.00	14.00	P122873	1.00	<0.005
		vein (5 mm - 10 cm) 1% quartz-ankerite random		14.00	15.00	P122874	1.00	<0.005
		Greyish white qtz-ankerite veining with trace incl of molybdenite.		15.00	16.00	P122877	1.00	0.019
16.00	17.00	Py00.2		16.00	17.00	P122878	1.00	0.005
		Pyrite 0.2%		17.00	18.00	P122879	1.00	<0.005
		Fg disseminated.		18.00	19.00	P122880	1.00	<0.005
				19.00	20.00	P122881	1.00	0.044
				20.00	21.00	P122882	1.00	0.395
20.70	23.70	V4; Per						
		Trachyte 70°; PERLITIC						
		Brick red. Intense pervasive potassic alteration with selective silicification. Glassy perlitic groundmass with sparse greyish to translucent-white f-spars and qtz pseudomorphs. Greyish qtz veining cross-cutting unit with incl of moly to localized flooding and stock works with fg mineralized py. Qtz-felds veining at ctc and an isolated qtz-ankerite vein with brecciated angular insitu incl of wall rock. Unit is mineralized with up to 0.5 pct fg py disseminated to conc within irregular wispy patches. Sharp contacts with minor rafting into upper and lower units.						
20.70	23.70	K03; Si02						
		Potassic 3; Silica 2						
		Intense pervasive potassic alteration. Moderate to strong selective silicification.						
20.70	23.70	Vn;4%;Qak;Sk;;;						
		vein (5 mm - 10 cm) 4% quartz-ankerite stockwork						
		Greyish translucent qtz veining parallel tca to strockworked. Minor incl of white ankerite and pink f-felds at ctcs. Trace incl of moly.						
21.00	22.00	Py00.2; Mo00.1		21.00	22.00	P122883	1.00	0.355
		Pyrite 0.2%; Molybdenite 0.1%						
		Fg disseminated py. Vein controlled blebs of molybdenite.						

Description			Assay				
			From	To	Sample number	Length	AuBest
22.00	23.00	Py00.5 **Pyrite 0.5%** Fg py conc in selective patches.	22.00	23.00	P122884	1.00	0.987
23.00	24.00	Py00.2 **Pyrite 0.2%** Fg py in selective patches.	23.00	24.00	P122885	1.00	0.671
23.70	136.08	V4; Tuff **Trachyte 80°; TUFF** Med green to greyish-beige tuffaceous unit - lapilli to pyroclastic. Pervasive med green chl alteration with slective sericite-ankerite and weak magnetite or pink calcite and moderate magnetite alteration. Weak pervasive lamination with wispy sericite and isolated fragments attenuated along plane. Fg groundmass with localized small to med lensoidal pumice fragments. Chl altered fragments or crystals from 127.5m creating spotted or leopard texture. Qtz-ankerite veining with undulatory walls. Pink calcite veinlets typically parallel to lamination. Trace to 0.2 pct fg py.					
23.70	36.85	Se03; Ank02; K02; Cl02 **Sericite 3; Ankerite 2; Potassic 2; Chlorite 2** Strong selective sericite-ankerite alteration. Isolated moderate to strong potassic alteration. Moderate patches of interstitial med green chl alt.					
24.00	26.00	Vn;5%;Ak;Ra;;; **vein (5 mm - 10 cm) 5% ankerite random** Milky-white to greyish ankerite veining in irregular networks and blebs. Incl of dk grey chl-py.	24.00 25.00	25.00 26.00	P122886 P122887	1.00 1.00	0.743 0.939
26.00	27.00	Py00.5 **Pyrite 0.5%** Fg py conc within grey qtz vein and surrounding silicified area.	26.00 27.00 28.00	27.00 28.00 29.00	P122888 P122889 P122890	1.00 1.00 1.00	1.255 0.355 0.082
26.00	26.30	Vn;30%;Sgq Ak;Ra;;; **vein (5 mm - 10 cm) 30% smoky grey quartz ankerite random** Smoky-grey qtz with wispy dk grey bands. Fg disseminated py. Large greyish-white ankerite lensoidal incl.					
29.00	30.00	Py00.2; Mo00.1; Cp00.05 **Pyrite 0.2%; Molybdenite 0.1%; Chalcopyrite 0.05%** Fg disseminated py. Vein controlled blebs of moly and chalco.	29.00 30.00 31.00 32.00 33.00 34.00	30.00 31.00 32.00 33.00 34.00 35.00	P122891 P122892 P122893 P122894 P122895 P122896	1.00 1.00 1.00 1.00 1.00 1.00	0.103 0.008 0.013 0.009 0.016 0.013
34.30	40.55	Vn;5%;Qak;Ra;;; **vein (5 mm - 10 cm) 5% quartz-ankerite random** Milky-greyish white to greyish qtz-ankerite veining. Isolated traces of orangy anhydrite. Trace py and moly. Irregular shapes.	35.00	36.00	P122897	1.00	0.055

Description			Assay				
			From	To	Sample number	Length	AuBest
36.00	37.00	Py00.2 **Pyrite 0.2%** F-mg eu-subhedral clustered py.	36.00	37.00	P122898	1.00	0.761
36.85	63.70	Cl02; Ank02; Se02; Mgt01 **Chlorite 2; Ankerite 2; Sericite 2; Magnetite 1** Moderate to strong pervaisve med green chl alteration. Moderate - selectively weak to strong - ankerite. Moderate selective interstitial wispy sericite. Weak pervasive magnetite.	37.00	38.00	P122899	1.00	0.017
			38.00	39.00	P122902	1.00	0.01
			39.00	40.00	P122903	1.00	<0.005
			40.00	41.00	P122904	1.00	0.008
40.55	61.70	Vn;3%;Qak;Ra;;; **vein (5 mm - 10 cm) 3% quartz-ankerite random** White-beige ankerite and pinky-grey qtz veining. Oriented parallel to and cross-cutting lamination with undulatory ctcs.	41.00	42.00	P122905	1.00	0.03
			42.00	43.00	P122906	1.00	0.024
			43.00	44.00	P122907	1.00	<0.005
			44.00	45.00	P122908	1.00	<0.005
			45.00	46.00	P122909	1.00	0.019
			46.00	47.00	P122910	1.00	<0.005
			47.00	48.00	P122911	1.00	0.007
			48.00	49.00	P122912	1.00	0.006
			49.00	50.00	P122913	1.00	<0.005
			50.00	51.00	P122914	1.00	<0.005
			51.00	52.00	P122915	1.00	<0.005
			52.00	53.00	P122916	1.00	0.006
			53.00	54.00	P122917	1.00	<0.005
			54.00	55.00	P122918	1.00	<0.005
			55.00	56.00	P122919	1.00	<0.005
			56.00	57.00	P122920	1.00	<0.005
			57.00	58.00	P122921	1.00	0.008
			58.00	59.00	P122922	1.00	<0.005
			59.00	60.00	P122923	1.00	<0.005
			60.00	61.00	P122924	1.00	<0.005
			61.00	62.00	P122927	1.00	<0.005
61.70	101.75	Vn;2%;Ca;Ra;;; **vein (5 mm - 10 cm) 2% calcite random** Pinky-white calcite veining with minimal qtz component. Isolated ankerite.	62.00	63.00	P122928	1.00	<0.005
			63.00	64.00	P122929	1.00	<0.005
63.70	97.00	Cl03; Mgt02; Ca02; Ank01 **Chlorite 3; Magnetite 2; Calcite 2; Ankerite 1** Strong pervasive med green chl. Weak to moderate disseminated magnetite. Weak to moderate vein controlled and selectively interstitial calcite. Isolated weak ankerite.	64.00	65.00	P122930	1.00	<0.005
			65.00	66.00	P122931	1.00	<0.005
			66.00	67.00	P122932	1.00	<0.005
			67.00	68.00	P122933	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			68.00	69.00	P122934	1.00	<0.005
			69.00	70.00	P122935	1.00	<0.005
			70.00	71.00	P122936	1.00	<0.005
			71.00	72.00	P122937	1.00	<0.005
			72.00	73.00	P122938	1.00	<0.005
			73.00	74.00	P122939	1.00	<0.005
			74.00	75.00	P122940	1.00	<0.005
			75.00	76.00	P122941	1.00	<0.005
			76.00	77.00	P122942	1.00	<0.005
			77.00	78.00	P122943	1.00	<0.005
			78.00	79.00	P122944	1.00	<0.005
			79.00	80.00	P122945	1.00	<0.005
			80.00	81.00	P122946	1.00	<0.005
			81.00	82.00	P122947	1.00	<0.005
			82.00	83.00	P122948	1.00	<0.005
			83.00	84.00	P122949	1.00	<0.005
			84.00	85.00	P122952	1.00	<0.005
			85.00	86.00	P122953	1.00	<0.005
			86.00	87.00	P122954	1.00	<0.005
			87.00	88.00	P122955	1.00	0.005
			88.00	89.00	P122956	1.00	<0.005
			89.00	90.00	P122957	1.00	<0.005
			90.00	91.50	P122958	1.50	<0.005
			91.50	93.00	P122959	1.50	0.005
			93.00	94.50	P122960	1.50	0.019
			94.50	96.00	P122961	1.50	0.009
			96.00	97.50	P122962	1.50	<0.005
97.00	124.65	Ank02; Se02; Cl02; Mgt02	97.50	99.00	P122963	1.50	<0.005
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2	99.00	100.50	P122964	1.50	<0.005
		Moderate to strong sericite-ankerite alteration with med green chl. Moderate pervasive magnetite.	100.50	102.00	P122965	1.50	<0.005
101.75	119.80	Vt;;Qak;Ra;;;	102.00	103.50	P122966	1.50	<0.005
		veinlet (1-5 mm) random	103.50	105.00	P122967	1.50	<0.005
		White-beige qtz-ankerite veinlets typically parallel to lamination.	105.00	106.50	P122968	1.50	<0.005
			106.50	108.00	P122969	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			108.00	109.50	P122970	1.50	<0.005
			109.50	111.00	P122971	1.50	0.007
			111.00	112.50	P122972	1.50	<0.005
			112.50	114.00	P122973	1.50	<0.005
			114.00	115.50	P122974	1.50	<0.005
			115.50	117.00	P122977	1.50	0.014
			117.00	118.50	P122978	1.50	0.008
			118.50	120.00	P122979	1.50	0.005
119.80	126.80	Vn;7%;Qak;Vn;;;	120.00	121.50	P122980	1.50	0.039
		vein (5 mm - 10 cm) 7% quartz-ankerite vein parallel to foliation	121.50	123.00	P122981	1.50	0.048
		Greyish milky-white to yellowy-beige ankerite-qtz veining. Wispy yellowy sericite and dk grey chl along vein walls.	123.00	124.50	P122982	1.50	0.104
124.50	127.50	Py00.5	124.50	126.00	P122983	1.50	1.47
		Pyrite 0.5%					
		Eu-subhedral f-mg clustered py cubes.					
124.65	140.50	Ank03; Se03; Cl02; Mgt02; Fu01	126.00	127.50	P122984	1.50	0.73
		Ankerite 3; Sericite 3; Chlorite 2; Magnetite 2; Fuchsite 1	127.50	129.00	P122985	1.50	0.009
		Strong selective ankerite-sericite alteration. Selective med to dk green chl lenses and thin banding. Isolated zone of f-mg disseminated magnetite. Isolated traces of fuchsite.	129.00	130.50	P122986	1.50	0.009
			130.50	132.00	P122987	1.50	0.014
130.85	133.60	Vn;10%;Qac;Ra;;;	132.00	133.50	P122988	1.50	0.038
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random	133.50	135.00	P122989	1.50	0.014
		Greyish qtz with white ankerite and blebs of dk green chl. Minor pinky f-spar component.	135.00	136.50	P122990	1.50	0.008
136.08	138.16	V4; Tuff; Lam; V4; Amy	136.50	138.00	P122991	1.50	0.008
		Trachyte 50°; TUFF; Laminated; Trachyte; Amygdaloidal	138.00	139.50	P122992	1.50	<0.005
		Intercalcted tuff-flow unit. Pale greenish-grey with selective pink hue. Strong sericite-ankerite alteration with selective chl and weak isolated hematite staining. Non-magnetic. Tuffaceous unit is very fg and weak to moderately laminated with relatively uniform grain size - possible siltone - distinct ctcs. Flow unit is also well laminated with altering sericite-chl banding as well as disseminated interstitial fuchsite and fine to med rounded white feldspar amygdules with selectively hematite altered cores. Traces of fg py. Minor qtz-ankerite veining with trace specular hematite.					
138.16	154.30	V4; Amy	139.50	141.00	P122993	1.50	<0.005
		Trachyte 40°; Amygdaloidal					
		Trachytic flow. Pale greenish-grey with selective very weak pink hue. Strong sericite-ankerite alteration with selective chl and very weak isolated hematite. Non-magnetic. Well laminated with sericite-chl along plane oblique tca. Fine to med up to 2cm rounded white feldspar amygdules with selectively hematite altered cores. Lg white to pale greenish-pink ankerite-qtz-felds pegmatitic veins. Traces of fg py.					
140.50	146.50	Cl03; Ank02; Se02; He01	141.00	142.50	P122994	1.50	0.009
		Chlorite 3; Ankerite 2; Sericite 2; Hematite 1					

		Description	Assay				
			From	To	Sample number	Length	AuBest
		Strong med to dk green chl with moderate to strong selective-interstitial sericite-ankerite alteration. Hematite within veinlets.	142.50	144.00	P122995	1.50	0.007
140.50	144.65	Vt;1%;Qac;Vn;;; **veinlet (1-5 mm) 1% quartz-ankerite-chlorite vein parallel to foliation** Greyish white to dk green qtz-ankerite veinlets with dk green chloritic incl. Thin dk green chloritic veinlets cross-cutting lamination and other veins.					
144.00	145.50	Py00.2 **Pyrite 0.2%** Fg disseminated py.	144.00	145.50	P122996	1.50	0.041
144.70	144.71	Gg **Fault gouge 40°** A 1mm thick clay gouge oriented at 40dtca, grey colour chl clay.	145.50	147.00	P122997	1.50	<0.005
145.65	151.10	Vn;10%;Qak;Ra;;; **vein (5 mm - 10 cm) 10% quartz-ankerite random** Lg white-beige to pale pink ankerite-qtz and minor k-felds veins. Oriented within lamination with selective undulatory walls.					
146.50	167.50	Ank03; Se03; Cl02; Mgt02; He02; Fu01 **Ankerite 3; Sericite 3; Chlorite 2; Magnetite 2; Hematite 2; Fuchsite 1** Strong pervasive sericite-ankerite alteration. Selective moderate chl in lenses and wispy bands. Trace isolated moderate magnetite - disseminated f-mg. Trace isolated hematite stringers. Selective weak fuchsite.	147.00 148.50 150.00 151.50 153.00	148.50 150.00 151.50 153.00 154.50	P122998 P122999 Q286002 Q286003 Q286004	1.50 1.50 1.50 1.50 1.50	<0.005 <0.005 <0.005 <0.005 <0.005
154.30	202.00	V4; LapTuff; Lam **Trachyte 50°; LAPILLI TUFF/AGGLOMERATE; Laminated** Pale greyish-beige to med green lapilli tuff. Strong sericite-ankerite alteration with selective chl-magnetite. Isolated weak hematite staining. Fg feldspar rich groundmass. Fine to med rounded to lensoidal fragments elongated along lamination oblique tca. Fragments have undergone chl or sericite or potassic/hematite alteration with selective alteration rims. Minor ankerite-qtz veinlets and isolated calcite-specularite veinlets. Dk green chlorite-qtz veinlets at low angle tca and cross-cutting lamination. Isolated hematite stringers. Traces of fg py.	154.50 156.00 157.50 159.00 160.50	156.00 157.50 159.00 160.50 162.00	Q286005 Q286006 Q286007 Q286008 Q286009	1.50 1.50 1.50 1.50 1.50	0.009 <0.005 0.005 0.007 0.008
161.65	164.50	Vt;1%;Ca;Ra;;ZnS; **veinlet (1-5 mm) 1% calcite random Sphalerite** Greyish-white calcite veinlets irregular to plane of lamination. Trace incl of hematite.	162.00 163.50 165.00 166.50	163.50 165.00 166.50 168.00	Q286010 Q286011 Q286012 Q286013	1.50 1.50 1.50 1.50	0.01 0.01 0.005 0.036
167.50	202.00	Se03; Ank03; Cl02; Mgt02; He01 **Sericite 3; Ankerite 3; Chlorite 2; Magnetite 2; Hematite 1** Strong selective sericite-ankerite alteration. Selective zone of interstitial light to med green chl. Isolated patches of moderate disseminated magnetite. Isolated hematite stringers and/or incl within veinlets.	168.00 169.50	169.50 171.00	Q286014 Q286015	1.50 1.50	0.051 0.018
170.30	176.00	Vt;1%;Cl;Vc;;Cp00.1; **veinlet (1-5 mm) 1% chlorite vein cross-cutting foliation Chalcopyrite 0.1%**	171.00	172.50	Q286016	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
		Dk green chlorite veinlets with selective qtz and trace chalcopyrite. Low angle tca and cross-cutting lamination.	172.50	174.00	Q286017	1.50	0.015
			174.00	175.50	Q286018	1.50	0.014
			175.50	177.00	Q286019	1.50	0.005
			177.00	178.50	Q286020	1.50	<0.005
			178.50	180.00	Q286021	1.50	0.005
178.80	183.40	Vt;1%;Qak;Vc;;ZnS;	180.00	181.50	Q286022	1.50	0.013
		veinlet (1-5 mm) 1% quartz-ankerite vein cross-cutting foliation Sphalerite	181.50	183.00	Q286023	1.50	0.009
		Greyish white to pinky qtz-ankerite-hematite veinlets. Parallel to cross-cutting foliation.	183.00	184.50	Q286024	1.50	0.012
183.40	197.00	Vt;1%;Cl;Vc;;;	184.50	186.00	Q286027	1.50	0.286
		veinlet (1-5 mm) 1% chlorite vein cross-cutting foliation	186.00	187.50	Q286028	1.50	0.014
		Dk green chloritic veinlets at low angles tca.	187.50	189.00	Q286029	1.50	0.01
			189.00	190.50	Q286030	1.50	0.005
			190.50	192.00	Q286031	1.50	0.013
			192.00	193.50	Q286032	1.50	0.012
			193.50	195.00	Q286033	1.50	0.008
			195.00	196.50	Q286034	1.50	0.005
			196.50	198.00	Q286035	1.50	0.011
			198.00	199.50	Q286036	1.50	0.023
			199.50	201.00	Q286037	1.50	0.048
			201.00	202.50	Q286038	1.50	0.134
202.00	222.60	V4; Per					
		Trachyte 30°; PERLITIC					
		Med pinky-red to grey-mauve. Strong pervasive potassic alteration with selective silication and ankerite alteration. Aphanitic glassy groundmass with perlitic texture. Pseudo-brecciated quench texture. Greyish qtz to yellowy-beige ankerite veinlets cross-cutting rock with med to dk green chl and trace incl of chalcopyrite. Dk green-black chl infilling microfractures in branching networks. Isolated stringers of magnetite. 0.5 pct fg disseminated py. Broken core at upper ctc.					
202.00	222.60	K03; Si03; Ank02					
		Potassic 3; Silica 3; Ankerite 2					
		Strong pervasive potassic alteration with selective silicification resulting in greyish discolouration. Moderate to strong selective ankerite alteration.					
202.00	225.50	Py00.5; Cp00.01	202.50	204.00	Q286039	1.50	0.823
		Pyrite 0.5%; Chalcopyrite 0.01%	204.00	205.50	Q286040	1.50	1.065
		py hosted in chl/mgt FF oriented at 70-80dtca. Traces of vein controlled chalcopyrite.	205.50	207.00	Q286041	1.50	0.801
			207.00	208.50	Q286042	1.50	2.2
			208.50	210.00	Q286043	1.50	0.265

Description				Assay				
				From	To	Sample number	Length	AuBest
				210.00	211.50	Q286044	1.50	1.065
				211.50	213.00	Q286045	1.50	0.22
				213.00	214.50	Q286046	1.50	0.06
				214.50	216.00	Q286047	1.50	0.187
				216.00	217.50	Q286048	1.50	0.368
				217.50	219.00	Q286049	1.50	0.51
				219.00	220.50	Q286052	1.50	0.15
				220.50	222.00	Q286053	1.50	0.152
				222.00	223.50	Q286054	1.50	0.131
202.00	223.50	Vt;1%;Qak Cl;Ra;;ZnS; **veinlet (1-5 mm) 1% quartz-ankerite chlorite random Sphalerite** Greyish qtz veining with beige ankerite incl. Selective dk green chl incl as well as separate branching chloritic veinlets or hairlines. Trace incl of specularite.						
222.60	225.50	V4; FlBand; Per; Pep **Trachyte 50°; FLOWBANDED; PERLITIC; PEPERITIC** Med pinky-red to grey-mauve trachyte. Flow banded to glassy with peperitic selvages. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration with selective ankerite and weak to moderate silicification. Selective dk grey to black magnetic banding - peperites. Selective thin mm flow banding - very fg with alternating dk and light layers. Dk grey to black filled fractures running perpendicular to banding with mm-scale displacement. Lg qtz-calcite-chl vein. Specularite stringers. Fg disseminated py with trace chalcopyrite.						
222.60	225.50	K03; Ank02; Si02; Mgt02 **Potassic 3; Ankerite 2; Silica 2; Magnetite 2** Strong pervasive potassic alteration with selective ankerite and silica. Moderate selective magnetite.						
223.50	224.10	Vn;20%;Qcc;Vn;;;	223.50	225.00	Q286055	1.50	0.08
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite vein parallel to foliation	225.00	226.50	Q286056	1.50	0.048
		Greyish-white qtz with pink calcite and trace incl of dk green chl. Sharp walls.						
225.50	260.70	V4; Pep **Trachyte 30°; PEPERITIC** Med greyish-mauve with mottled dk grey-black banding. Peperitic zone. Glassy potassic altered trachyte with perlitic to hyaloclatite textures. Pervasive abundant interstitial gritty magnetic material. Moderate interstitial calcite alteration. Weak pervasive orientation oblique tca. Few dk green veinlets and pinky-grey calcite veins. Fg disseminated py. Banding at lower ctc with underlying flow unit.						
225.50	260.70	Mgt03; K02; Ca02 **Magnetite 3; Potassic 2; Calcite 2** Strong selective magnetite. Moderate to strong selective potassic alteration. Moderate interstitial calcite.						
225.50	260.70	Py01	226.50	228.00	Q286057	1.50	0.03
		Pyrite 1%	228.00	229.50	Q286058	1.50	0.056
		The mgt hosts abundant 0.5-1% py as fine diseminations/chains.						

Description			Assay				
			From	To	Sample number	Length	AuBest
			229.50	231.00	Q286059	1.50	0.023
229.80	234.60	Vn;1%;Cc;Ra;;ZnS10;	231.00	232.50	Q286060	1.50	0.064
		vein (5 mm - 10 cm) 1% calcite-chlorite random Sphalerite 10%	232.50	234.00	Q286061	1.50	0.048
		Greyish-white to dk grey-green calcite vein with acicular specularite and chl crystals.	234.00	235.50	Q286062	1.50	0.044
			235.50	237.00	Q286063	1.50	0.053
			237.00	238.50	Q286064	1.50	0.078
			238.50	240.00	Q286065	1.50	0.059
			240.00	241.50	Q286066	1.50	0.076
			241.50	243.00	Q286067	1.50	0.036
			243.00	244.50	Q286068	1.50	0.042
			244.50	246.00	Q286069	1.50	0.035
			246.00	247.50	Q286070	1.50	0.113
			247.50	249.00	Q286071	1.50	0.068
			249.00	250.50	Q286072	1.50	0.011
			250.50	252.00	Q286073	1.50	0.012
			252.00	253.50	Q286074	1.50	0.064
			253.50	255.00	Q286077	1.50	0.092
			255.00	256.50	Q286078	1.50	0.047
256.00	261.00	Vn;3%;Qca;Ra;;;	256.50	258.00	Q286079	1.50	0.018
		vein (5 mm - 10 cm) 3% quartz-calcite random	258.00	259.50	Q286080	1.50	0.152
		Greyish to pink qtz-calcite veining selectively brecciating wall rock.	259.50	261.00	Q286081	1.50	0.05
260.70	268.50	V4; Per					
		Trachyte 40°; PERLITIC					
		Med dullish red trachyte flow. Strong pervasive potassic alteration with selective ankerite in btw glassy frags. Selective silicification. Moderate selective magnetite - chl-mag alteration infilling microfractures. Quenched perlitic and pseudo-brecciated textures. Greyish qtz and white qtz-ankerite-chl veining. Selective blebs of chalco within late stage cross-cutting veins. Few dk green to black flow top margins with pervasive dk green chl alteration as well as hyaloclastite texture and irregular ankerite-qtz veinlets - sharp but irregular ctcs. Trace fg py.					
260.70	268.50	K03; Ank02; Si02; Mgt02					
		Potassic 3; Ankerite 2; Silica 2; Magnetite 2					
		Intense pervasive potassic alteration. Moderate to strong selective ankerite. Weak to moderate selective silicification. Moderate selective magnetite.					
260.70	268.50	Cp00; Py00.1					
		Chalcopyrite 1E-05%; Pyrite 0.1%					
		nil rare cpy and nil-trace py diseminated within qtz FF and chl FF					

Description			Assay				
			From	To	Sample number	Length	AuBest
261.00	267.45	Vn;5%;Qac;Ra;;;	261.00	262.50	Q286082	1.50	0.006
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random	262.50	264.00	Q286083	1.50	0.061
		White to pinkish qtz-ankerite veins with mottled incl of dk green chl.	264.00	265.50	Q286084	1.50	0.03
			265.50	267.00	Q286085	1.50	0.104
266.20	266.40	FTH	267.00	268.50	Q286086	1.50	0.303
		Flow Top/Hyaloclastite 35°					
		Dk green chill margin - flow top. Strong pervasive chl alteration with selective ankerite. Irregular white to greyish ankerite veining. Non magnetic. Non mineralized. Distinct but irregular ctcs.					
268.20	274.00	Vn;2%;Qca;Ra;;;					
		vein (5 mm - 10 cm) 2% quartz-calcite random					
		Pinky-grey calcite-qtz veining.					
268.50	274.65	V4; Pep					
		Trachyte 45°; PEPERITIC					
		Med greyish-mauve with mottled dk grey-black banding. Peperitic zone. Glassy potassic altered trachyte with perlitic to hyaloclatite textures. Pervasive abundant interstitial gritty magnetic material. Moderate interstitial calcite alteration. Weak pervasive orientation oblique tca. White to pinky-grey qtz-calcite veining. Fg disseminated py. Banding at lower ctc with underlying flow unit.					
268.50	274.65	Mgt03; K02; Ca02	268.50	270.00	Q286087	1.50	0.379
		Magnetite 3; Potassic 2; Calcite 2	270.00	271.50	Q286088	1.50	0.042
		Strong selective magnetite. Moderate to strong potassic alteration. Moderate interstitial calcite.	271.50	273.00	Q286089	1.50	0.019
			273.00	274.50	Q286090	1.50	0.017
268.50	274.50	Py00.5					
		Pyrite 0.5%					
		Fg py disseminated to fracture controlled with magnetite seams.					
274.00	284.50	Vt;2%;Qak;Ra;;;					
		veinlet (1-5 mm) 2% quartz-ankerite random					
		Pinky-grey qtz-ankerite veining. Selectively brecciating wall rock. Isolated incl of dk green chl.					
274.50	282.00	Py00.2; Cp00.05	274.50	276.00	Q286091	1.50	0.017
		Pyrite 0.2%; Chalcopyrite 0.05%					
		Fg disseminated py with traces of vein controlled chalcopyrite.					
274.65	368.50	V4; Per; Cry					
		Trachyte 40°; PERLITIC; CRYSTALRICH					
		Med red to greyish-mauve trachyte flow. Strong pervasive potassic alteration with selective ankerite in btw glassy frags. Selective silicification with associated greyish discolouration and increased py. Moderate selective magnetite - chl-mag alteration infilling microfractures - stockworks. Quenched perlitic and pseudo-brecciated textures. Isolated crystal rich zones with 15 to 20 pct f-mg rounded greyish-purple translucent feldspar and qtz pseudomorphs. Greyish qtz and beige qtz-ankerite veining. Selective blebs of chalco and moly within late stage cross-cutting veins. Dk grey to silvery specular hematite stringers and veinlets. Few dk green to black flow top margins with pervasive dk green chl alteration as well as hyaloclastite					

Description			Assay				
			From	To	Sample number	Length	AuBest
		texture and irregular ankerite-qtz veinlets - sharp but irregular ctcs. Peperitic selvages intercalated towards lower ctc. Fine disseminated py 0.2 to 2 pct.					
274.65	368.50	K03; Ank02; Si02; Mgt02; Cl03	276.00	277.50	Q286092	1.50	0.022
		Potassic 3; Ankerite 2; Silica 2; Magnetite 2; Chlorite 3	277.50	279.00	Q286093	1.50	0.023
		Strong pervasive potassic alteration. Moderate selective ankerite. Isolated patches of moderate silicification. Isolated weak to moderate magnetism. Isolated rafts of dk green to black strong chlorite alteration - less than 5pct.	279.00	280.50	Q286094	1.50	0.019
			280.50	282.00	Q286095	1.50	0.016
			282.00	283.50	Q286096	1.50	0.014
282.42	282.51	FTH	283.50	285.00	Q286097	1.50	0.041
		Flow Top/Hyaloclastite 90°	285.00	286.50	Q286098	1.50	0.015
		Dk green chill margin - flow top. Strong pervasive chl alteration with selective ankerite. Irregular white to greyish ankerite fragments and veining. Non magnetic. Non mineralized. Distinct but irregular jagged ctcs.					
286.10	297.00	Vn;4%;Qak;Ra;;Cp00.1 Mo00.05;					
		vein (5 mm - 10 cm) 4% quartz-ankerite random Chalcopyrite 0.1% Molybdenite 0.05%					
		Greyish qtz-ankerite veins and veinlets with isolated incl of chalco and moly.					
286.16	286.31	FTH	286.50	288.00	Q286099	1.50	0.155
		Flow Top/Hyaloclastite 85°	288.00	289.50	Q286102	1.50	0.047
		Dk green chill margin - flow top. Strong pervasive chl-magnetite alteration. Faint greyish rounded fragments at lower ctc. Non mineralized. Distinct but irregular jagged ctcs.	289.50	291.00	Q286103	1.50	0.024
			291.00	292.50	Q286104	1.50	0.045
			292.50	294.00	Q286105	1.50	0.025
293.50	294.00	Mo00.05; Cp00.01					
		Molybdenite 0.05%; Chalcopyrite 0.01%					
		Trace blebs of vein controlled molybdenite and chalcopyrite.					
294.00	295.50	Py00.2	294.00	295.50	Q286106	1.50	0.15
		Pyrite 0.2%					
		F-mg eu-subhedral disseminated py.					
295.50	312.00	Py02; Cp00.1; Mo00.05	295.50	297.00	Q286107	1.50	0.615
		Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.05%					
		Eu-subhedral f-mg disseminated py. Belbs of vein controlled chalco and trace moly.					
297.00	351.00	Vt;1%;Qak;Ra;;Cp00.05;	297.00	298.50	Q286108	1.50	0.411
		veinlet (1-5 mm) 1% quartz-ankerite random Chalcopyrite 0.05%	298.50	300.00	Q286109	1.50	0.607
		Greyish to beige irregular qtz-ankerite veinlets. Selective networks. Trace incl of chalco.	300.00	301.50	Q286110	1.50	0.266
			301.50	303.00	Q286111	1.50	0.461
			303.00	304.50	Q286112	1.50	0.524
			304.50	306.00	Q286113	1.50	0.799
			306.00	307.50	Q286114	1.50	0.413
			307.50	309.00	Q286115	1.50	0.543

Description			Assay				
			From	To	Sample number	Length	AuBest
			309.00	310.50	Q286116	1.50	0.543
310.20	317.25	FTH	310.50	312.00	Q286117	1.50	0.784
		Flow Top/Hyaloclastite 80°					
		Three distinct chill margins 12-21m thick. Dk green with strong pervasive chl alteration. Selective strong magnetite. Selective ankerite. Irregular white to greyish ankerite veining. F-mg with woody lath shaped chl grains. Well mineralized with fg to f-mg disseminated euhedral py. Distinct but irregular and locally jagged ctcs.					
312.00	315.00	Py00.2	312.00	313.50	Q286118	1.50	0.074
		Pyrite 0.2%	313.50	315.00	Q286119	1.50	0.037
		Eu-subhedral f-mg disseminated py.					
315.00	319.00	Py02	315.00	316.50	Q286120	1.50	0.246
		Pyrite 2%	316.50	318.00	Q286121	1.50	0.489
		Eu-subhedral f-mg disseminated py.	318.00	319.50	Q286122	1.50	0.331
319.00	334.50	Py00.2; Cp00.05; Mo00.05	319.50	321.00	Q286123	1.50	0.185
		Pyrite 0.2%; Chalcopyrite 0.05%; Molybdenite 0.05%	321.00	322.50	Q286124	1.50	0.028
		Fg to f-mg disseminated py. Vein controlled blebs of chalco and traces of moly.	322.50	324.00	Q286127	1.50	0.19
			324.00	325.50	Q286128	1.50	0.011
			325.50	327.00	Q286129	1.50	0.014
			327.00	328.50	Q286130	1.50	0.064
			328.50	330.00	Q286131	1.50	0.059
			330.00	331.50	Q286132	1.50	0.022
			331.50	333.00	Q286133	1.50	0.028
			333.00	334.50	Q286134	1.50	0.075
334.50	336.00	Py00.5; Cp00.05; Mo00.05	334.50	336.00	Q286135	1.50	0.101
		Pyrite 0.5%; Chalcopyrite 0.05%; Molybdenite 0.05%					
		Fg to f-mg disseminated py. Vein controlled blebs of chalco and traces of moly.					
336.00	342.00	Py00.2	336.00	337.50	Q286136	1.50	0.039
		Pyrite 0.2%	337.50	339.00	Q286137	1.50	0.026
		Fg to f-mg disseminated py.	339.00	340.50	Q286138	1.50	0.025
			340.50	342.00	Q286139	1.50	0.093
342.00	345.00	Py00.5; Cp00.05; Mo00.01	342.00	343.50	Q286140	1.50	0.243
		Pyrite 0.5%; Chalcopyrite 0.05%; Molybdenite 0.01%	343.50	345.00	Q286141	1.50	0.253
		Fg to f-mg disseminated py. Vein controlled blebs of chalco and traces of moly.					
345.00	349.50	Py00.2; Cp00.05; Mo00.01	345.00	346.50	Q286142	1.50	0.134
		Pyrite 0.2%; Chalcopyrite 0.05%; Molybdenite 0.01%	346.50	348.00	Q286143	1.50	0.094
		Fg to f-mg disseminated py. Vein controlled blebs of chalco and traces of moly.	348.00	349.50	Q286144	1.50	0.052

Description			Assay				
			From	To	Sample number	Length	AuBest
349.50	351.00	Py00.5; Cp00.1; Mo00.1	349.50	351.00	Q286145	1.50	2.65
		Pyrite 0.5%; Chalcopyrite 0.1%; Molybdenite 0.1%					
		Fg to f-mg disseminated py. Vein controlled blebs of chalco and moly.					
351.00	354.00	Py00.2; Cp00.05; Mo00.05	351.00	352.50	Q286146	1.50	1.065
		Pyrite 0.2%; Chalcopyrite 0.05%; Molybdenite 0.05%					
		Fg to f-mg disseminated py. Vein controlled blebs of chalco and traces of moly.					
351.00	351.50	Vn;15%;Ak;Ra;;;					
		vein (5 mm - 10 cm) 15% ankerite random					
		Milky-greyish ankerite vein with orangy barite.					
351.50	366.00	Vt;1%;Qak;Ra;;Cp00.1;	352.50	354.00	Q286147	1.50	0.031
		veinlet (1-5 mm) 1% quartz-ankerite random Chalcopyrite 0.1%					
		Greyish-orangy beige qtz-ankerite veinlets with trace chalco.					
354.00	369.00	Py00.2; Cp00.05	354.00	355.50	Q286148	1.50	0.115
		Pyrite 0.2%; Chalcopyrite 0.05%	355.50	357.00	Q286149	1.50	0.036
		Fg to f-mg disseminated py.	357.00	358.50	Q286152	1.50	0.023
			358.50	360.00	Q286153	1.50	0.021
			360.00	361.50	Q286154	1.50	0.063
			361.50	363.00	Q286155	1.50	0.116
			363.00	364.50	Q286156	1.50	0.053
			364.50	366.00	Q286157	1.50	0.058
366.00	396.95	Vt;1%;Cc;Ra;;;	366.00	367.50	Q286158	1.50	0.081
		veinlet (1-5 mm) 1% calcite-chlorite random	367.50	369.00	Q286159	1.50	0.108
		Greyish-pink to blue-green calcite-chl veining.					
368.50	399.60	V4; Pep; Per					
		Trachyte; PEPERITIC; PERLITIC					
		Med greyish-mauve with mottled dk grey-black banding. Peperitic zone. Glassy potassic altered trachyte with perlitic to hyaloclatite textures with pervasive abundant interstitial gritty magnetic material. Moderate interstitial calcite alteration. Weak pervasive orientation oblique tca. White to pinky-grey qtz-calcite veining. Dk green to blue-green and dk blue chloritic veining. Fg disseminated py. Isolated raft of non peperitic trachytic flow at 396.95m. Transitional ctcs.					
368.50	399.60	Mgt03; K02; Ca02; Si01					
		Magnetite 3; Potassic 2; Calcite 2; Silica 1					
		Strong selective magnetite. Moderate to strong potassic alteration. Moderate to strong pervasive-interstitial calcite. Weak isolated silicifcation.					
369.00	399.00	Py00.2	369.00	370.50	Q286160	1.50	0.039
		Pyrite 0.2%	370.50	372.00	Q286161	1.50	0.011
		Fg to f-mg disseminated py.	372.00	373.50	Q286162	1.50	0.014
			373.50	375.00	Q286163	1.50	0.038

Description				Assay				
				From	To	Sample number	Length	AuBest
				375.00	376.50	Q286164	1.50	0.057
				376.50	378.00	Q286165	1.50	0.016
				378.00	379.50	Q286166	1.50	0.06
				379.50	381.00	Q286167	1.50	0.092
				381.00	382.50	Q286168	1.50	0.019
				382.50	384.00	Q286169	1.50	0.026
				384.00	385.50	Q286170	1.50	0.037
				385.50	387.00	Q286171	1.50	0.009
				387.00	388.50	Q286172	1.50	0.007
				388.50	390.00	Q286173	1.50	0.005
				390.00	391.50	Q286174	1.50	<0.005
				391.50	393.00	Q286177	1.50	0.014
				393.00	394.50	Q286178	1.50	0.009
				394.50	396.00	Q286179	1.50	0.005
				396.00	397.50	Q286180	1.50	0.01
396.95	403.25		Vt;2%;Qac;Ra;;Cp00.1;	397.50	399.00	Q286181	1.50	0.008
			veinlet (1-5 mm) 2% quartz-ankerite-chlorite random Chalcopyrite 0.1%					
			White-beige ankerite with minor qtz and selective dk green to blue-green chl.					
399.00	400.50		Py00.2; Cp00.05	399.00	400.50	Q286182	1.50	0.072
			Pyrite 0.2%; Chalcopyrite 0.05%					
			Fg to f-mg disseminated py. Trace blebs of chalco within veinlets.					
399.60	403.25		V4; Per					
			Trachyte 30°; PERLITIC					
			Greyish-mauve trachyte flow. Strong pervasive potassic alteration with selective ankerite. Moderate silicification. Moderate selective magnetite - chl-mag infilling microfractures - stockworks. Quenched perlitic and pseudo-brecciated textures. Isolated f-mg beige plag crystals. White-beige qtz-ankerite veining with trace incl of chalco and moly. Dk green to dk blue chloritic veining. Fine disseminated py 0.2 to 0.5 pct.					
399.60	403.25		K03; Si02; Ank02; Mgt02					
			Potassic 3; Silica 2; Ankerite 2; Magnetite 2					
			Strong pervasive potassic alteration with moderate to strong silicification. Weak to moderate selective ankerite. Isolated patches of magnetite.					
400.50	403.50		Py00.5; Cp00.05	400.50	402.00	Q286183	1.50	0.017
			Pyrite 0.5%; Chalcopyrite 0.05%	402.00	403.50	Q286184	1.50	0.017
			Fg to f-mg disseminated py. Selective vein controlled chalco.					
403.25	410.00		V4; Pep; Per					
			Trachyte 50°; PEPERITIC; PERLITIC					
			Med greyish-mauve to dull pinky-red with mottled dk grey-black banding. Peperitic zone. Glassy potassic altered trachyte with perlitic to hyaloclatite textures with pervasive abundant interstitial gritty magnetic material.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate interstitial calcite alteration. Few white to pinky-grey qtz-calcite veining. Fg disseminated py.					
		Transitional ctcs with gradual decrease in magnetic banding at lower end.					
403.25	407.20	Mgt03; K03; Ca02; Si01					
		Magnetite 3; Potassic 3; Calcite 2; Silica 1					
		Strong selective magnetite. Strong selective potassic alteration. Moderate to strong interstitial calcite.					
		Weak isolated silicification.					
403.25	407.00	Vt;0.5%;Ca;Ra;;;					
		veinlet (1-5 mm) 0.5% calcite random					
		Pinky-grey calcite veining.					
403.50	411.00	Py00.2; Cp00.01	403.50	405.00	Q286185	1.50	0.007
		Pyrite 0.2%; Chalcopyrite 0.01%	405.00	406.50	Q286186	1.50	0.044
		Fg to f-mg disseminated py. Trace vein controlled chalco.	406.50	408.00	Q286187	1.50	0.079
407.00	412.50	Vt;2%;Qak;Ra;;Cp00.1;					
		veinlet (1-5 mm) 2% quartz-ankerite random Chalcopyrite 0.1%					
		Greyish-white qtz-ankerite veinlets with minor incl of chalco					
407.20	422.70	K03; Si02; Ank02; Mgt02	408.00	409.50	Q286188	1.50	0.095
		Potassic 3; Silica 2; Ankerite 2; Magnetite 2	409.50	411.00	Q286189	1.50	11.6
		Strong potassic alteration with selective moderate silicification. Moderate isolated ankerite. Moderate selective magnetism.					
410.00	422.70	V4; Cry; Pep					
		Trachyte; CRYSTALRICH; PEPERITIC					
		Med red to greyish-mauve trachyte flow. Strong pervasive potassic alteration with selective ankerite in btw glassy frags. Selective moderate silicification with associated greyish discolouration and increased py. Moderate selective magnetite - chl-mag infilling microfractures and isolated peperitic rafts. Quenched perlitic and pseudo-brecciated textures. Crystal rich with 15 to 20 pct f-mg rounded greyish-purple translucent feldspar and qtz pseudomorphs. Greyish qtz and beige qtz-ankerite veining with trace incl of chalco and moly. Isolated pink calcite veining. Fine disseminated py 0.2 to 0.5 pct.					
411.00	421.50	Py00.5; Cp00.05; Mo00.01	411.00	412.50	Q286190	1.50	0.029
		Pyrite 0.5%; Chalcopyrite 0.05%; Molybdenite 0.01%					
		Fg to f-mg disseminated py. Selective vein controlled chalco and trace moly.					
412.50	416.00	Vn;1%;Ca Qak;Ra;;Cp00.1 Mo00.1;	412.50	414.00	Q286191	1.50	0.048
		vein (5 mm - 10 cm) 1% calcite quartz-ankerite random Chalcopyrite 0.1% Molybdenite	414.00	415.50	Q286192	1.50	0.055
		0.1%	415.50	417.00	Q286193	1.50	0.045
		Pink wispy calcite veining as well as minor qtz-ankerite veinlets with trace incl of chalco and moly.					
416.00	431.40	Vt;1%;Qac;Ra;;Cp00.1;	417.00	418.50	Q286194	1.50	0.031
		veinlet (1-5 mm) 1% quartz-ankerite-chlorite random Chalcopyrite 0.1%	418.50	420.00	Q286195	1.50	0.056
		White-beige qtz-ankerite veining with selective dk green chl. Trace chalcopyrite.	420.00	421.50	Q286196	1.50	0.042
421.50	432.00	Py00.2; Cp00.05	421.50	423.00	Q286197	1.50	0.022
		Pyrite 0.2%; Chalcopyrite 0.05%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg disseminated py. Traces blebs of vein controlled chalco.					
422.70	425.60	V4; Pep; Per					
		Trachyte 65°; PEPERITIC; PERLITIC					
		Med greyish-mauve with mottled dk grey-black banding. Peperitic zone. Glassy potassic altered trachyte with perlitic to hyaloclatite textures with pervasive abundant interstitial gritty magnetic material. Moderate interstitial calcite alteration. Selective moderate ankerite. Selective white ankerite gashes. Fg disseminated py. Sharp ctcs.					
422.70	425.60	Mgt03; K02; Ank02; Ca02; Si01	423.00	424.50	Q286198	1.50	0.005
		Magnetite 3; Potassic 2; Ankerite 2; Calcite 2; Silica 1	424.50	426.00	Q286199	1.50	0.015
		Strong selective magnetite and potassic alteration. Selective ankerite alteration and interstitial calcite. Isolated weak silicification.					
425.60	431.40	V4; Cry; Per; Pep					
		Trachyte 40°; CRYSTALRICH; PERLITIC; PEPERITIC					
		Med red to greyish-mauve trachyte flow. Strong pervasive potassic alteration with selective ankerite. Selective silicification. Intercalated peperitic zones. Quenched perlitic and pseudo-brecciated textures. Crystal rich with 20 to 25 pct f-mg to mg rounded to hexagonal and lath shaped greyish-purple translucent feldspar and qtz pseudomorphs. Greyish qtz and white qtz-ankerite veining with trace incl of chalco. Isolated cluster of dk translucent purple fluorite. Fine disseminated py 0.2 to 0.5 pct.					
425.60	431.40	K03; Ank02; Mgt02; Ca02; Si01	426.00	427.50	Q286202	1.50	0.043
		Potassic 3; Ankerite 2; Magnetite 2; Calcite 2; Silica 1	427.50	429.00	Q286203	1.50	0.078
		Strong potassic alteration with selective ankerite. Moderate isolated magnetite. Isolated patches of weak to moderate interstitial calcite. Isolated weak silicification.	429.00	430.50	Q286204	1.50	0.015
			430.50	432.00	Q286205	1.50	0.016
431.40	436.00	V4; Pep; Per					
		Trachyte 50°; PEPERITIC; PERLITIC					
		Med pinky-beige to dk green to black banded with distinct undulose layers. Glassy perlitic potassic-ankerite and selectively sericite altered trachyte within gritty chl-magnetite bands. Oriented at low angle to 50 deg tca. Few wispy ankerite hairlines cross-cutting banding. Traces of fg py. Sharp ctcs.					
431.40	437.00	Ank02; Mgt02; K02; Se02	432.00	433.50	Q286206	1.50	0.008
		Ankerite 2; Magnetite 2; Potassic 2; Sericite 2	433.50	435.00	Q286207	1.50	0.005
		Moderate to strong selective ankerite. Moderate to strong chl-magnetite banding. Weak to moderate selective potassic and sericite alteration.	435.00	436.50	Q286208	1.50	0.009
436.00	502.50	V4; PorFG	436.50	438.00	Q286209	1.50	0.008
		Trachyte; PORPHYRITIC (FINE GROUNDMASS)					
		Med to dk greyish-green. Fg groundmass with strong pervasive med to dk green chl alteration. Porphyritic with 20 to 35 pct f-mg eu-subhedral lath shape to cubic and hexagonal crystals suspended in groundmass. No specific orientation of crystals. Moderate selective sericite-ankerite alteration incluing sericite-ankerite pseudomorphs. Disseminated f-mg magnetite. Isolated calcite alteration of mg rounded amygdules. Isolated clusters of f-mg eu-subhedral py. Greyish-beige qtz-carbonate veining.					
436.00	440.80	Vm;75%;Qak;Ra;;;					
		major vein (10 cm or greater) 75% quartz-ankerite random					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Massive pegmatitic veining. Pinky-red felds with white ankerite and minor greyish qtz. Irregular ctcs.					
		Trace incl of dk green chl.					
437.00	443.00	K02; Cl02; Se02; Mgt02; Ank02	438.00	439.50	Q286210	1.50	<0.005
		Potassic 2; Chlorite 2; Sericite 2; Magnetite 2; Ankerite 2	439.50	441.00	Q286211	1.50	0.055
		Moderate to strong selective potassic alteration within pegmatitic veining. Moderate to strong	441.00	442.50	Q286212	1.50	0.007
		chl-sericite-magnetite alteration of wall rock. Moderate ankerite veining and interstitial within wall rock.					
441.25	441.90	Vn;10%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 10% quartz-ankerite random					
		Med red felds-ankerite with minor qtz.					
442.45	442.80	Vn;30%;Cc;Ra;;;	442.50	444.00	Q286213	1.50	0.006
		vein (5 mm - 10 cm) 30% calcite-chlorite random					
		Dk green chl and greyish calcite vein brecciating wall rock.					
442.80	443.70	Vn;10%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 10% quartz-ankerite random					
		Med red kfelds-ankerite with minor qtz.					
443.00	502.50	Cl03; Se02; Ank02; Mgt02; Ca01					
		Chlorite 3; Sericite 2; Ankerite 2; Magnetite 2; Calcite 1					
		Strong pervasive med to dk chl alteration. Moderate selective ankerite-sericite alteration. Disseminated					
		magnetite. Isolated weak to moderate calcite.					
443.70	502.50	Vn;2%;Qcr;Ra;;;	444.00	445.50	Q286214	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-carbonate random	445.50	447.00	Q286215	1.50	<0.005
		Greyish to beige qtz-ankerite veining with selective calcite. Irregular networks and undulatory walls.	447.00	448.50	Q286216	1.50	<0.005
		Isolated pinkish discolouration.	448.50	450.00	Q286217	1.50	<0.005
			450.00	451.50	Q286218	1.50	<0.005
			451.50	453.00	Q286219	1.50	<0.005
			453.00	454.50	Q286220	1.50	<0.005
			454.50	456.00	Q286221	1.50	<0.005
			456.00	457.50	Q286222	1.50	<0.005
			457.50	459.00	Q286223	1.50	0.023
			459.00	460.50	Q286224	1.50	<0.005
			460.50	462.00	Q286227	1.50	<0.005
			462.00	463.50	Q286228	1.50	<0.005
			463.50	465.00	Q286229	1.50	0.007
			465.00	466.50	Q286230	1.50	<0.005
			466.50	468.00	Q286231	1.50	<0.005
			468.00	469.50	Q286232	1.50	0.005
			469.50	471.00	Q286233	1.50	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	471.00	472.50	Q286234	1.50	0.005
	472.50	474.00	Q286235	1.50	<0.005
	474.00	475.50	Q286236	1.50	<0.005
	475.50	477.00	Q286237	1.50	<0.005
	477.00	478.50	Q286238	1.50	<0.005
	478.50	480.00	Q286239	1.50	<0.005
	480.00	481.50	Q286240	1.50	<0.005
	481.50	483.00	Q286241	1.50	<0.005
	483.00	484.50	Q286242	1.50	<0.005
	484.50	486.00	Q286243	1.50	<0.005
	486.00	487.50	Q286244	1.50	<0.005
	487.50	489.00	Q286245	1.50	<0.005
	489.00	490.50	Q286246	1.50	<0.005
	490.50	492.00	Q286247	1.50	<0.005
	492.00	493.50	Q286248	1.50	<0.005
	493.50	495.00	Q286249	1.50	<0.005
	495.00	496.50	Q286252	1.50	<0.005
	496.50	498.00	Q286253	1.50	<0.005
	498.00	499.50	Q286254	1.50	<0.005
	499.50	501.00	Q286255	1.50	<0.005
	501.00	502.50	Q286256	1.50	<0.005
502.50	**End of DDH**				
	Number of samples: 355				
	Number of QAQC samples: 32				
	Total sampled length: 492.00				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_45

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	A Richardson	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	27/02/2014	Description date:	10/03/2014
		To:	10/03/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 495.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,355.463
North	0.0	0.000	5,331,780.704
Elevation	0.0	0.000	343.294

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	36.00	178.4°	-50.1°	No	Mag:55793; Data from Frank Ploeger
ReflexEZS	87.00	180.1°	-49.5°	No	Mag:55613; Data from Frank Ploeger
ReflexEZS	138.00	178.9°	-48.3°	No	Mag:56109; Data from Frank Ploeger
ReflexEZS	189.00	179.6°	-47.6°	No	Mag:55959; Data from Frank Ploeger
ReflexEZS	240.00	183.0°	-46.0°	No	Mag = 55337
ReflexEZS	291.00	184.0°	-44.1°	No	Mag = 55594
ReflexEZS	342.00	185.3°	-42.3°	No	Mag:55326; Data from Frank Ploeger
ReflexEZS	393.00	186.9°	-41.0°	No	Mag:55940; Data from Frank Ploeger
ReflexEZS	444.00	189.8°	-38.7°	No	Mag = 56210
ReflexEZS	495.00	194.7°	-36.6°	No	Mag = 54936

Description

Re_logging Reza Hosseinnejad

Core size: NQ Cemented: No Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	21.00	OVB						
		Overburden						
		casing/overburden						
21.00	75.00	V4; Cry; Pyro						
		Trachyte; CRYSTALRICH; PYROCLASTIC						
		Greenish color with very fine grained weakly chloritic matrix contains 35% rounded sub-rounded phenoes. The abundance of phenoes is variable and somewhere it goes in and out. There are some clasts with a rectangular shape though variably altered up to 10%. Few larger irregular clasts of greenish aphanitic siliceous material are present at random intervals. The unit is moderately magnetic weak to non calcitic and weak to non ankretic. Few quartz-calcite veins and stringers crosscut up to1% @ variable orientation. It seems this unit gradationally transitions into a trachyte mafic flow. Pyrite mineralization is trace.The rock is soft and scratch by knife.						
21.50	90.00	Se01						
		Sericite 1						
		Weak isolated sericite alteration						
21.50	380.00	Py00.01		21.50	22.00	I277968	0.50	<0.005
		Pyrite 0.01%		22.00	23.00	I277969	1.00	<0.005
		very trace fine grained disseminated pyrite		23.00	24.00	I277970	1.00	<0.005
				24.00	25.00	I277971	1.00	0.006
				25.00	26.00	I277972	1.00	<0.005
				26.00	27.00	I277973	1.00	<0.005
				27.00	28.00	I277974	1.00	<0.005
				28.00	29.00	I277977	1.00	0.005
				29.00	30.00	I277978	1.00	0.005
				30.00	31.00	I277979	1.00	0.014
				31.00	32.00	I277980	1.00	<0.005
				32.00	33.00	I277981	1.00	<0.005
				33.00	34.00	I277982	1.00	0.013
				34.00	35.00	I277983	1.00	<0.005
				35.00	36.00	I277984	1.00	<0.005
				36.00	37.00	I277985	1.00	<0.005
				37.00	38.00	I277986	1.00	<0.005
				38.00	39.00	I277987	1.00	0.019
				39.00	40.00	I277988	1.00	0.005
				40.00	41.00	I277989	1.00	<0.005
				41.00	42.00	I277990	1.00	<0.005
				42.00	43.00	I277991	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			43.00	44.00	I277992	1.00	<0.005
			44.00	45.00	I277993	1.00	0.005
			45.00	46.00	I277994	1.00	0.006
			46.00	47.00	I277995	1.00	<0.005
			47.00	48.00	I277996	1.00	<0.005
			48.00	49.00	I277997	1.00	0.005
			49.00	50.00	I277998	1.00	<0.005
			50.00	51.00	I277999	1.00	<0.005
			51.00	52.00	N431352	1.00	<0.005
			52.00	53.00	N431353	1.00	<0.005
			53.00	54.00	N431354	1.00	<0.005
			54.00	55.00	N431355	1.00	<0.005
			55.00	56.00	N431356	1.00	<0.005
			56.00	57.00	N431357	1.00	0.023
56.40	57.00	Vn;10%;Qcr;St;10°;; **vein (5 mm - 10 cm) 10% quartz-carbonate stringers 10°** A massive quartz feldspar veins cut the rock parallel to core axes.There is no mineralization associated with this vein.	57.00	58.00	N431358	1.00	0.005
			58.00	59.00	N431359	1.00	0.007
			59.00	60.00	N431360	1.00	0.006
			60.00	61.00	N431361	1.00	0.008
			61.00	62.00	N431362	1.00	0.024
			62.00	63.00	N431363	1.00	0.395
			63.00	64.00	N431364	1.00	0.234
			64.00	65.00	N431365	1.00	0.177
			65.00	66.00	N431366	1.00	<0.005
			66.00	67.00	N431367	1.00	0.011
67.00	67.03	Vn;95%;Qcr;Vc;90°;; **vein (5 mm - 10 cm) 95% quartz-carbonate vein cross-cutting foliation 90°** A pinkish massive quartz feldspar veins cross cut the rock @90 dtca. There is no mineralization associated with this vein.	67.00	68.00	N431368	1.00	<0.005
			68.00	69.00	N431369	1.00	0.049
			69.00	70.00	N431370	1.00	<0.005
			70.00	71.00	N431371	1.00	<0.005
			71.00	72.00	N431372	1.00	<0.005
			72.00	73.00	N431373	1.00	<0.005
			73.00	74.00	N431374	1.00	<0.005
			74.00	75.00	N431377	1.00	<0.005
75.00	207.40	V4Tl; Cry **Trachytic lapilli tuff; CRYSTALRICH**	75.00	76.00	N431378	1.00	<0.005
			76.00	77.00	N431379	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		It seems in this interval the flow and tuff is mixed. From this point gradationally the abundance of phenoes decreased and the hole goes into fine grained, pervasively greenish weak altered with coarser grained light coloured felsic looking phenoes and clasts up 15%. The unit shows very weak chlorite and sericite, mostly in groundmass and along fractures and foliation planes. Weakly to locally moderately foliated @ 45 dtca. 1-2% hairline quartz veins crosscutting. Two different sets of veins are present, one is aligned with foliation @40dtca and another that crosscuts foliation @ 25dtca. somewher it shows patchy greenish to light brownish grey trachyte flows with interflow tuff - it is difficult to tell in some places. Unit contains a few whitish siliceous clasts. Weak pervasive chlorite- and intenmittent carbonate alteration. pyrite mineralization is trace.	77.00	78.00	N431380	1.00	<0.005
			78.00	79.00	N431381	1.00	<0.005
			79.00	80.00	N431382	1.00	<0.005
			80.00	81.00	N431383	1.00	<0.005
			81.00	82.00	N431384	1.00	0.005
			82.00	83.00	N431385	1.00	<0.005
			83.00	84.00	N431386	1.00	<0.005
			84.00	85.00	N431387	1.00	<0.005
			85.00	86.00	N431388	1.00	0.006
			86.00	87.00	N431389	1.00	<0.005
			87.00	88.00	N431390	1.00	<0.005
			88.00	89.00	N431391	1.00	<0.005
			89.00	90.00	N431392	1.00	<0.005
75.00	207.00	Fln **Foliation 40°** intermittent moderate to strong foliation @ average 40dtca					
90.00	177.00	Cl01; Se01 **Chlorite 1; Sericite 1** The unit shows very weak chlorite and sericite, mostly in groundmass and along fractures and foliation planes.	90.00	91.00	N431393	1.00	<0.005
			91.00	92.00	N431394	1.00	<0.005
			92.00	93.00	N431395	1.00	<0.005
			93.00	94.00	N431396	1.00	<0.005
			94.00	95.00	N431397	1.00	<0.005
			95.00	96.00	N431398	1.00	0.186
			96.00	97.00	N431399	1.00	0.015
			97.00	98.00	N431402	1.00	0.005
			98.00	99.00	N431403	1.00	0.005
			99.00	100.00	N431404	1.00	0.009
			100.00	101.00	N431405	1.00	0.011
			101.00	102.00	N431406	1.00	0.006
			102.00	103.00	N431407	1.00	0.03
			103.00	104.00	N431408	1.00	0.005
			104.00	105.00	N431409	1.00	<0.005
			105.00	106.00	N431410	1.00	0.005
106.00	160.00	Vn;2%;Qca;Vn;70°;; **vein (5 mm - 10 cm) 2% quartz-calcite vein parallel to foliation 70°** Few quartz-feldspar veins cross cut the rock @ 80%	106.00	107.00	N431411	1.00	0.016
			107.00	108.00	N431412	1.00	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	108.00	109.00	N431413	1.00	0.007
	109.00	110.00	N431414	1.00	0.005
	110.00	111.00	N431415	1.00	0.009
	111.00	112.00	N431416	1.00	0.016
	112.00	113.00	N431417	1.00	0.012
	113.00	114.00	N431418	1.00	0.016
	114.00	115.00	N431419	1.00	0.013
	115.00	116.00	N431420	1.00	<0.005
	116.00	117.00	N431421	1.00	<0.005
	117.00	118.00	N431422	1.00	<0.005
	118.00	119.00	N431423	1.00	<0.005
	119.00	120.00	N431424	1.00	<0.005
	120.00	121.00	N431427	1.00	<0.005
	121.00	122.00	N431428	1.00	<0.005
	122.00	123.00	N431429	1.00	<0.005
	123.00	124.00	N431430	1.00	<0.005
	124.00	125.00	N431431	1.00	<0.005
	125.00	126.00	N431432	1.00	<0.005
	126.00	127.00	N431433	1.00	<0.005
	127.00	128.00	N431434	1.00	<0.005
	128.00	129.00	N431435	1.00	<0.005
	129.00	130.00	N431436	1.00	<0.005
	130.00	131.00	N431437	1.00	<0.005
	131.00	132.00	N431438	1.00	0.005
	132.00	133.00	N431439	1.00	<0.005
	133.00	134.00	N431440	1.00	<0.005
	134.00	135.00	N431441	1.00	<0.005
	135.00	136.00	N431442	1.00	<0.005
	136.00	137.00	N431443	1.00	0.009
	137.00	138.00	N431444	1.00	<0.005
	138.00	139.00	N431445	1.00	<0.005
	139.00	140.00	N431446	1.00	<0.005
	140.00	141.00	N431447	1.00	<0.005
	141.00	142.00	N431448	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	142.00	143.00	N431452	1.00	<0.005
	143.00	144.00	N431453	1.00	<0.005
	144.00	145.00	N431454	1.00	<0.005
	145.00	146.00	N431455	1.00	<0.005
	146.00	147.00	N431456	1.00	<0.005
	147.00	148.00	N431457	1.00	<0.005
	148.00	149.00	N431458	1.00	<0.005
	149.00	150.00	N431459	1.00	<0.005
	150.00	151.00	N431460	1.00	<0.005
	151.00	152.00	N431461	1.00	<0.005
	152.00	153.00	N431462	1.00	<0.005
	153.00	154.00	N431463	1.00	<0.005
	154.00	155.00	N431464	1.00	<0.005
	155.00	156.00	N431465	1.00	<0.005
	156.00	157.00	N431466	1.00	<0.005
	157.00	158.00	N431467	1.00	<0.005
	158.00	159.00	N431468	1.00	<0.005
	159.00	160.00	N431469	1.00	<0.005
	160.00	161.00	N431470	1.00	<0.005
	161.00	162.00	N431471	1.00	<0.005
	162.00	163.00	N431472	1.00	<0.005
	163.00	163.52	N431473	0.52	<0.005
	163.52	164.00	N431474	0.48	<0.005
	164.00	165.00	N431477	1.00	<0.005
	165.00	166.00	N431478	1.00	<0.005
	166.00	167.00	N431479	1.00	<0.005
	167.00	168.00	N431480	1.00	<0.005
	168.00	169.00	N431481	1.00	<0.005
	169.00	170.00	N431482	1.00	<0.005
	170.00	171.00	N431483	1.00	<0.005
	171.00	172.00	N431484	1.00	<0.005
	172.00	173.00	N431485	1.00	<0.005
	173.00	174.00	N431486	1.00	0.005
	174.00	175.00	N431487	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			175.00	176.00	N431488	1.00	<0.005
			176.00	177.00	N431489	1.00	<0.005
177.00	194.50	K01; Se02; Cl01	177.00	178.00	N431490	1.00	<0.005
		Potassic 1; Sericite 2; Chlorite 1	178.00	179.00	N431491	1.00	<0.005
		Moderate intermittent sericite and weak chlorite and weak isolate potassic alteration.					
178.50	178.60	BBC	179.00	180.00	N431492	1.00	<0.005
		Broken Blocky Core	180.00	181.00	N431493	1.00	<0.005
		Undefined broken rock possible due to drilling condition.	181.00	182.00	N431494	1.00	0.005
			182.00	183.00	N431495	1.00	<0.005
			183.00	184.00	N431496	1.00	<0.005
			184.00	185.00	N431497	1.00	0.005
			185.00	186.00	N431498	1.00	<0.005
			186.00	187.00	N431499	1.00	<0.005
			187.00	188.00	N431502	1.00	<0.005
			188.00	189.00	N431503	1.00	<0.005
			189.00	190.00	N431504	1.00	<0.005
			190.00	191.00	N431505	1.00	<0.005
			191.00	192.00	N431506	1.00	<0.005
			192.00	193.00	N431507	1.00	<0.005
			193.00	194.00	N431508	1.00	<0.005
			194.00	195.00	N431509	1.00	<0.005
194.50	230.00	Cl01; Se02; Ank02; K02	195.00	196.00	N431510	1.00	<0.005
		Chlorite 1; Sericite 2; Ankerite 2; Potassic 2	196.00	197.00	N431511	1.00	<0.005
		Weak pervasive chlorite, moderate intermittent and ankerite alteration. isolate potassic alteration.	197.00	198.00	N431512	1.00	<0.005
			198.00	199.00	N431513	1.00	<0.005
			199.00	200.00	N431514	1.00	<0.005
			200.00	201.00	N431515	1.00	<0.005
			201.00	202.00	N431516	1.00	<0.005
			202.00	203.00	N431517	1.00	0.006
			203.00	204.00	N431518	1.00	<0.005
			204.00	205.00	N431519	1.00	0.017
			205.00	206.00	N431520	1.00	0.005
			206.00	207.00	N431521	1.00	<0.005
			207.00	207.40	N431522	0.40	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
207.40	208.70	FAZ					
		Fault Zone 40°					
		Fault Zone, 50% gouge, broken and fractured core					
207.40	208.70	FAZ	207.40	208.70	N431523	1.30	0.007
		Fault Zone					
		50% gouge @ 50dtca upper contact					
208.70	275.70	V4TI	208.70	209.30	N431524	0.60	<0.005
		Trachytic lapilli tuff	209.30	210.00	N431527	0.70	<0.005
		As above Trachytic lapilli tuff and flow mixe unit. From 256-275.7The interval has more flow and tuff become	210.00	211.00	N431528	1.00	<0.005
		more fine grained and less foliation. This interval also shows mopderate intermittent sericite and patchy	211.00	212.00	N431529	1.00	<0.005
		ankerite alteration. There is no veining and mineralization.	212.00	213.00	N431530	1.00	<0.005
			213.00	214.00	N431531	1.00	<0.005
			214.00	215.00	N431532	1.00	<0.005
			215.00	216.00	N431533	1.00	<0.005
			216.00	217.00	N431534	1.00	<0.005
			217.00	218.00	N431535	1.00	<0.005
			218.00	219.00	N431536	1.00	<0.005
			219.00	220.00	N431537	1.00	0.018
			220.00	221.00	N431538	1.00	0.013
			221.00	222.00	N431539	1.00	0.017
208.70	222.60	FIn					
		Foliation 45°					
		pervasive to intermittent moderate foliation @ average 40dtca					
221.55	225.00	Vt;2%;Qcr;Ra;;;	222.00	223.00	N431540	1.00	0.026
		veinlet (1-5 mm) 2% quartz-carbonate random					
		A series of quartz-feldspar with minor ankerite wide 1-3-6mm cut the unit @ variable oriantaion					
222.60	223.10	DZ; Crn	223.00	224.00	N431541	1.00	0.012
		Deformation Zone; Crenulation					
		Moderatly deformation and crunelation					
223.10	256.00	FIn	224.00	225.00	N431542	1.00	0.022
		Foliation 45°	225.00	226.00	N431543	1.00	0.032
		Pervasive moderate to strong foliation @ average 45dtca	226.00	227.00	N431544	1.00	0.021
			227.00	228.00	N431545	1.00	0.033
			228.00	229.00	N431546	1.00	0.03
			229.00	230.00	N431547	1.00	0.028
230.00	277.50	Se02; Ank01; Cl01	230.00	231.00	N431548	1.00	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
		Sericite 2; Ankerite 1; Chlorite 1	231.00	232.00	N431549	1.00	0.007
		The rock intermittently shows moderate sericite, weak chlorite and ankerite alteration.	232.00	233.00	N431552	1.00	0.006
			233.00	234.00	N431553	1.00	<0.005
			234.00	235.00	N431554	1.00	0.005
235.00	239.00	BBC	235.00	236.00	N431555	1.00	0.008
		Broken Blocky Core	236.00	237.00	N431556	1.00	<0.005
		The RQD is about 50% and No gouge. The rock intermittently has Brocken and crashed.	237.00	238.00	N431557	1.00	<0.005
			238.00	239.00	N431558	1.00	<0.005
			239.00	240.00	N431559	1.00	<0.005
			240.00	241.00	N431560	1.00	<0.005
			241.00	242.00	N431561	1.00	<0.005
			242.00	243.00	N431562	1.00	<0.005
			243.00	244.00	N431563	1.00	<0.005
			244.00	245.00	N431564	1.00	<0.005
			245.00	246.00	N431565	1.00	<0.005
			246.00	247.00	N431566	1.00	<0.005
			247.00	248.00	N431567	1.00	<0.005
			248.00	249.00	N431568	1.00	<0.005
			249.00	250.00	N431569	1.00	<0.005
			250.00	251.00	N431570	1.00	<0.005
			251.00	252.00	N431571	1.00	<0.005
			252.00	253.00	N431572	1.00	<0.005
			253.00	254.00	N431573	1.00	<0.005
			254.00	255.00	N431574	1.00	<0.005
			255.00	256.00	N431577	1.00	0.005
256.00	274.00	Fln	256.00	257.00	N431578	1.00	<0.005
		Foliation 40°	257.00	258.00	N431579	1.00	<0.005
		weak foliation					
258.00	259.70	V4; Phan	258.00	259.00	N431580	1.00	0.005
		Trachyte 45°; PHANERITIC	259.00	260.00	N431581	1.00	0.005
		A narrow phaneritic trachyte flow, green to light green color contains whitish starched phenoes. Non	260.00	261.00	N431582	1.00	<0.005
		magnetic, moderately ankretic, non calcitic and no mineralization.	261.00	262.00	N431583	1.00	<0.005
			262.00	263.00	N431584	1.00	<0.005
			263.00	264.00	N431585	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
263.50	269.00	V4; Phan	264.00	265.00	N431586	1.00	<0.005
		Trachyte; PHANERITIC	265.00	266.00	N431587	1.00	<0.005
		A phaneritic trachyte flow, spotty green to pale green color contains whitish and blackish starched phenoes and fragments. Non magnetic, moderately ankretic, non calcitic and no mineralization and very soft. Pervasive moderate sericite and weak isolate chlorite alteration.	266.00	267.00	N431588	1.00	<0.005
			267.00	268.00	N431589	1.00	<0.005
			268.00	268.70	N431590	0.70	<0.005
			268.70	269.26	N431591	0.56	<0.005
			269.26	270.00	N431592	0.74	<0.005
			270.00	271.00	N431593	1.00	<0.005
271.00	275.70	BBC	271.00	272.00	N431594	1.00	<0.005
		Broken Blocky Core	272.00	273.00	N431595	1.00	<0.005
		The rock intermittently has Brocken and crashed due to drilling. No gouge and RQD is about 40%.	273.00	274.00	N431596	1.00	<0.005
			274.00	275.00	N431597	1.00	<0.005
			275.00	276.00	N431598	1.00	<0.005
275.70	356.44	V4a; Cry; Pyro	276.00	277.00	N431599	1.00	<0.005
		Trachyte Altered; CRYSTALRICH; PYROCLASTIC	277.00	278.00	H404652	1.00	<0.005
		A little change in color, texture and no foliation mark the beginning of this patchy red and light green color fine grained matrix trachyte flow. Matrix is crystalline but very fine grained and intermittently contains phenoes and pyroclastics fragments. The matrix contains 10-15% rounded phenoes and few reddish or greenish clastic looking fragments sub rounded. Trachyte flow have been pervasively altered in zones by sericite and potassium. The rock is not magnetic and not reactive with acid. Quartz veinlets with ankerite on the margin cut the unit @ average 40 dtca up 5%.General pyrite mineralization is trace but in few interval reaches to 0.5%. From (306.70-308), (318-319) and (356.5-364) the unit pervade by wispy, patches and veinlets of whitsh ankerite and late quartz veins up 15%. in fact a series of stock work quartz feldspar with minor ankerite on the margin cut the unit. There is No mineralization associated with this structure. These intervals also show intense potassic and patchy ankerite alteration.					
277.50	279.34	K03					
		Potassic 3					
		Intense pervasive potassic alteration.					
278.00	278.63	Vn;6%;Qtz;In;45°;;	278.00	279.00	H404653	1.00	0.018
		vein (5 mm - 10 cm) 6% white quartz infilled fractures 45°	279.00	280.00	H404654	1.00	0.036
		Five quartz with minor ankrite veins and few veinlets wide 5-20 mm cut the rock @ average 40 dtca. No mineralization present.					
279.34	283.50	Se01; Cl01	280.00	281.00	H404655	1.00	<0.005
		Sericite 1; Chlorite 1	281.00	282.00	H404656	1.00	<0.005
		weak intermittently sericite and chlorite alteration.	282.00	283.00	H404657	1.00	<0.005
			283.00	284.00	H404658	1.00	0.005
283.50	319.10	Cl01; Se01; K02	284.00	285.00	H404659	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Chlorite 1; Sericite 1; Potassic 2	285.00	286.00	H404660	1.00	<0.005
		Pervasive modearte potassic, chlorite and selective weak sericite alteration.	286.00	287.00	H404661	1.00	<0.005
			287.00	288.00	H404662	1.00	<0.005
			288.00	289.00	H404663	1.00	<0.005
			289.00	290.00	H404664	1.00	<0.005
			290.00	291.00	H404665	1.00	0.008
			291.00	292.00	H404666	1.00	<0.005
			292.00	293.00	H404667	1.00	<0.005
			293.00	294.00	H404668	1.00	0.006
			294.00	295.00	H404669	1.00	0.007
			295.00	296.00	H404670	1.00	0.006
			296.00	297.00	H404671	1.00	<0.005
			297.00	298.00	H404672	1.00	<0.005
			298.00	299.00	H404673	1.00	<0.005
			299.00	300.00	H404674	1.00	0.005
			300.00	301.00	H404677	1.00	<0.005
			301.00	302.00	H404678	1.00	<0.005
			302.00	303.00	H404679	1.00	<0.005
			303.00	304.00	H404680	1.00	<0.005
			304.00	305.00	H404681	1.00	<0.005
			305.00	306.00	H404682	1.00	<0.005
			306.00	307.00	H404683	1.00	0.008
			307.00	308.00	H404684	1.00	0.005
			308.00	309.00	H404685	1.00	0.009
			309.00	310.00	H404686	1.00	0.012
			310.00	311.00	H404687	1.00	0.006
			311.00	312.00	H404688	1.00	<0.005
			312.00	313.00	H404689	1.00	0.006
			313.00	314.00	H404690	1.00	<0.005
			314.00	315.00	H404691	1.00	<0.005
			315.00	316.00	H404692	1.00	<0.005
			316.00	317.00	H404693	1.00	0.005
			317.00	318.00	H404694	1.00	<0.005
318.00	319.00	Vn;10%;Cr Qak;Sk;;;	318.00	319.00	H404695	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 10% carbonate quartz-ankerite stockwork	319.00	320.00	H404696	1.00	<0.005
		A series of stock work quartz feldspar with minor ankerite on the margin cut the unit. There is No mineralization associated with this structure					
319.10	329.10	Se02; Cl01; K02	320.00	321.00	H404697	1.00	<0.005
		Sericite 2; Chlorite 1; Potassic 2	321.00	322.00	H404698	1.00	<0.005
		Intermittent potassic and pervasive sericite and selective chlorite alteration.	322.00	323.00	H404699	1.00	<0.005
			323.00	324.00	M566502	1.00	<0.005
			324.00	325.00	M566503	1.00	<0.005
			325.00	326.00	M566504	1.00	<0.005
			326.00	327.00	M566505	1.00	<0.005
			327.00	328.00	M566506	1.00	<0.005
			328.00	329.00	M566507	1.00	<0.005
			329.00	330.00	M566508	1.00	<0.005
329.10	356.00	K01; Se02; Cl02	330.00	331.00	M566509	1.00	<0.005
		Potassic 1; Sericite 2; Chlorite 2	331.00	332.00	M566510	1.00	<0.005
		Intermittent weak potassic, moderate pervasive sericite and selective chlorite alteration.	332.00	333.00	M566511	1.00	<0.005
			333.00	334.00	M566512	1.00	<0.005
			334.00	335.00	M566513	1.00	<0.005
			335.00	336.00	M566514	1.00	<0.005
			336.00	337.00	M566515	1.00	<0.005
			337.00	338.00	M566516	1.00	<0.005
			338.00	339.00	M566517	1.00	<0.005
			339.00	340.00	M566518	1.00	<0.005
			340.00	341.00	M566519	1.00	<0.005
341.00	342.40	BBC	341.00	342.00	M566520	1.00	<0.005
		Broken Blocky Core	342.00	343.00	M566521	1.00	<0.005
		RQD 40%. brocken and crashed rock due to drilling condition.	343.00	344.00	M566522	1.00	<0.005
			344.00	345.00	M566523	1.00	<0.005
			345.00	346.00	M566524	1.00	<0.005
			346.00	347.00	M566527	1.00	<0.005
			347.00	348.00	M566528	1.00	<0.005
			348.00	349.00	M566529	1.00	<0.005
			349.00	350.00	M566530	1.00	<0.005
			350.00	351.00	M566531	1.00	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			351.00	352.00	M566532	1.00	<0.005
			352.00	353.00	M566533	1.00	<0.005
			353.00	354.00	M566534	1.00	<0.005
			354.00	355.00	M566535	1.00	<0.005
			355.00	356.00	M566536	1.00	<0.005
356.00	364.00	Cl01; Se02; K03; Si01; Ank02 **Chlorite 1; Sericite 2; Potassic 3; Silica 1; Ankerite 2** Pervasive intense potassic and intermittent sericite ,silica and selective chlorite alteration. moderate ankerite veins alteration.	356.00	356.44	M566537	0.44	0.008
356.44	380.80	V4vcic **trachtytic volcaniclastic 85°** This interval begins with a transition zone, a stockwork of quartz-ankerite, localized deformation and folding, sharp upper and lower contact @ 85. This is a narrow trachyte volcanoclastic with greyish brown to dark chloritic green and reddish zones of a alteration. After a sequence of lapilli tuff wide 4 meter the hole goes into trachyte with variety of volcanoclasts in color and size 1-10mm. The rock is strongly magnetic, moderately ankretic and non calcitic. Trace local fine grained disseminated pyrite. At least two generations of irregular quartz_ankrite veining, possibly three, one of which forms larger, up to 1cm in width, crenulated and distorted veins, the rest seem to be tension gashes crosscutting foliation and a third fine hairline crosscutting the previous two. From 368-369 and 378.20-397.30 the unit shows two generation of litic texture. clearly the litic are variable in color and size.	356.44	357.00	M566538	0.56	0.008
356.50	364.00	vein **Vein** A series of stock work quartz feldspar with minor ankerite on the margin cut the unit. There is No mineralization associated with this structure. The interval also show intense potassic and patchy ankerite alteration.					
356.50	364.50	Vn;15%;Qak;Sk;;Py00; **vein (5 mm - 10 cm) 15% stockwork Pyrite 0%** At least two generations of quartz veining, possibly three, one of which forms larger, up to 1cm in width, crenulated and distorted veins.A stock work of grey quartz- pinkish feldspar with minorwhitish ankerite cross the rock. Thereis no mineralization associated with this structure.	357.00	358.00	M566539	1.00	<0.005
			358.00	359.00	M566540	1.00	0.005
			359.00	360.00	M566541	1.00	<0.005
			360.00	361.00	M566542	1.00	0.005
			361.00	362.00	M566543	1.00	0.005
			362.00	363.00	M566544	1.00	<0.005
			363.00	364.00	M566545	1.00	<0.005
364.00	369.00	K01; Se01 **Potassic 1; Sericite 1** selectivet potassic and sericite alteration.	364.00	365.00	M566546	1.00	0.005
			365.00	366.00	M566547	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
365.25	365.27	Vn;90%;Qcl Ak;;145°;Py00;	366.00	367.00	M566548	1.00	<0.005
		vein (5 mm - 10 cm) 90% quartz-chlorite ankerite 145° Pyrite 0%	367.00	368.10	M566549	1.10	<0.005
		A dark quarzt-chlorite with minor ankrite vein cross the rock @ 145 dtca. The foliation of rock is 45 dtca.					
		There is no mineralization associated with this vein.					
368.00	369.00	V4; Lithic	368.10	368.88	I272602	0.78	0.01
		Trachyte; LITHIC	368.88	370.00	I272603	1.12	0.008
		From 368-369 and 378.20-397.30 the unit shows two generation of litic texture. clearly the litic are					
		variable in color and size.					
369.00	378.00	Ank01; K02	370.00	371.00	I272604	1.00	0.01
		Ankerite 1; Potassic 2	371.00	372.00	I272605	1.00	0.005
		weak prvasive ankerite and moderate selective potassic alteration.	372.00	373.00	I272606	1.00	0.006
			373.00	374.00	I272607	1.00	0.008
			374.00	375.00	I272608	1.00	0.012
			375.00	376.00	I272609	1.00	0.007
			376.00	377.00	I272610	1.00	0.012
			377.00	378.00	I272611	1.00	0.019
378.00	422.00	Ank03; Se01	378.00	379.00	I272612	1.00	0.017
		Ankerite 3; Sericite 1					
		Pervasive intense ankerite and selctive wak sericite altration					
378.20	397.30	V4; Lithic	379.00	380.00	I272613	1.00	0.013
		Trachyte; LITHIC					
		This interval th shows litic texture. clearly the litices are variable in color and size.					
380.00	381.00	Py00.1	380.00	381.00	I272614	1.00	0.021
		Pyrite 0.1%					
		very fine grained disseminated pyrite					
380.80	419.00	V4T; V4					
		Trachytic tuff; Trachyte					
		This interval shows a tracyte tuff with some trachteflow interbedde. The trachyte tuff is fine to medium and					
		coares grained and grey green color, non magnetite, non calcitic and moderatly ankrtic. Moderate foliation @60					
		dtca. Pyrite mineralization is trace. Somewhere the unit shows few local hydrothermal brecciation such as					
		(409-417.5).Quartz-ankerite veining up to 5% and mostly occurring as crenulated mm-scale veinlets.There is					
		no mineralization associated with these structures.					
		The flow part is fine grained and massive with no foliation and strongly bracciated. Pyrite mineralization is					
		trace.TIt is very hard du to altration and can not be scrached by knife.					
381.00	382.00	Py00.1	381.00	382.00	I272615	1.00	0.008
		Pyrite 0.1%	382.00	383.00	I272616	1.00	0.008
		very fine grained disseminated pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
382.25	382.35	Vn;35%;Cr Ak;Vn;60°;Py00; **vein (5 mm - 10 cm) 35% vein parallel to foliation 60° Pyrite 0%** In this interval there are two veins with different generation @ 60 dtca. First is a pinkish K-feldspar-quartz wide 2cm and second is a whitish ankerite with minor quartz wide 4 cm. There is no mineralization associated with these structures,					
382.35	401.50	Vt;5%;Qak;St;;Py00; **veinlet (1-5 mm) 5% quartz-ankerite stringers Pyrite 0%** A network of anlkerite quartz veinlets up 5% @ variable orientation and two whitish ankerite-quartz veins @75 dtca.	383.00	384.00	I272617	1.00	0.005
			384.00	385.00	I272618	1.00	<0.005
			385.00	386.00	I272619	1.00	<0.005
			386.00	387.00	I272620	1.00	<0.005
			387.00	388.00	I272621	1.00	0.026
			388.00	389.00	I272622	1.00	<0.005
			389.00	390.00	I272623	1.00	0.02
			390.00	391.00	I272624	1.00	0.005
391.00	392.00	Py00.1 **Pyrite 0.1%** disemminated pyrite	391.00	392.00	I272627	1.00	0.049
392.00	393.00	Py00.1 **Pyrite 0.1%** fgr dis py	392.00	393.00	I272628	1.00	0.028
			393.00	394.00	I272629	1.00	0.005
			394.00	395.00	I272630	1.00	0.005
			395.00	396.00	I272631	1.00	0.009
			396.00	397.00	I272632	1.00	0.017
			397.00	398.00	I272633	1.00	0.056
			398.00	399.00	I272634	1.00	0.008
			399.00	400.00	I272635	1.00	0.104
			400.00	401.00	I272636	1.00	0.006
			401.00	401.39	I272637	0.39	0.018
			401.39	402.00	I272638	0.61	0.005
			402.00	403.00	I272639	1.00	<0.005
			403.00	404.00	I272640	1.00	<0.005
			404.00	405.00	I272641	1.00	<0.005
			405.00	406.00	I272642	1.00	<0.005
			406.00	407.00	I272643	1.00	<0.005
			407.00	408.00	I272644	1.00	<0.005
			408.00	409.00	I272645	1.00	<0.005
			409.00	410.00	I272646	1.00	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
			410.00	411.00	I272647	1.00	<0.005
			411.00	412.00	I272648	1.00	<0.005
			412.00	413.00	I272649	1.00	<0.005
			413.00	414.00	Q282002	1.00	<0.005
			414.00	415.00	Q282003	1.00	<0.005
415.00	417.50	Vt;5%;Qak;St;;Py00;	415.00	416.00	Q282004	1.00	<0.005
		veinlet (1-5 mm) 5% quartz-ankerite stringers Pyrite 0%	416.00	416.81	Q282005	0.81	0.025
		A network of anlkerite quartz veinlets up 5% @ variable orientation	416.81	417.40	Q282006	0.59	0.016
417.40	418.00	Py00.3	417.40	418.00	Q282007	0.60	0.013
		Pyrite 0.3%					
		Some fragments contains trace shape pyrite					
418.00	419.00	Py00.4	418.00	419.00	Q282008	1.00	0.067
		Pyrite 0.4%					
		Some fragments contains trace shape pyrite					
419.00	430.68	V4a; AMZ					
		Trachyte Altered; Altered Zone 90°					
		Whit sharp contact @ 90 dtca the hole goes into pale greenish to yellowish fine grained trachyte altered unit. Approximately 30% hydrothermal breccia zones (sharp angular and few rounded fragments of the host trachyte with associated quartz-ankerite and very fine grained sericite alteration distinct zones with sharp boundaries). Trace fine grained disseminated pyrite. Selective intermittent sericite and pervasive ankerite alteration. At the start the rock is not magnetic but after 3 meter it becomes intense pervasive magnetic. The unit is hard and not easy to be scratched by knife. This unit pervaded by a network of quartz ankerite veins and veinlets @ variable size and orientation.					
419.00	433.70	Bxh	419.00	420.00	Q282009	1.00	0.027
		Breccia healed					
		This interval contains approximately 30% hydrothermal breccia zones (sharp angular fragments of the host trachyte with associated quartz and very fine grained alteration minerals in distinct zones with sharp boundaries) with up to 1% local fine grained pyrite and locally trace medium grained chalcopyrite.					
419.00	420.00	Py00.1; Cp00.01					
		Pyrite 0.1%; Chalcopyrite 0.01%					
		fgr dis py, f gr cpy along fractures and in veins					
419.00	430.70	Vt;10%;Qak;In;;Py00;					
		veinlet (1-5 mm) 10% quartz-ankerite infilled fractures Pyrite 0%					
		In this interval A network of anlkerite quartz veinlets, veins wide 1-5 mm fill fractures up to 10%.					
420.00	421.00	Py00.1	420.00	421.00	Q282010	1.00	0.019
		Pyrite 0.1%					
		fgr dis py					
421.00	422.00	Py00.1	421.00	422.00	Q282011	1.00	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis py					
422.00	430.70	Ank02; Se02	422.00	423.00	Q282012	1.00	<0.005
		Ankerite 2; Sericite 2	423.00	424.00	Q282013	1.00	0.005
		Moderate pervasive ankerite and selective sericite alteration.	424.00	425.00	Q282014	1.00	<0.005
			425.00	426.00	Q282015	1.00	0.005
			426.00	427.00	Q282016	1.00	0.005
			427.00	428.00	Q282017	1.00	<0.005
			428.00	429.00	Q282018	1.00	<0.005
			429.00	430.00	Q282019	1.00	0.03
			430.00	431.00	Q282020	1.00	0.03
430.68	495.00	V4; PyroTuff					
		Trachyte 90°; PYROCLASTIC (TUFFACEOUS)					
		Sharp contact @ 90 dtca, change color and texture marks the beginning of this trachyte pyroclastic tuffaceous unit with intersection of trachyte flow. The fine, medium and coarse grained grandmas contain irregular shape clasts. The unit is, greenish grey with patchy light grey and maroonish.From 459-468 approximately 10% hydrothermal braccia zones (sharp angular and few rounded fragments of the host trachyte in the ankretic matrix). The abundance of pyroclastic is variable from 0 t0 30%. Some of the fragments in braccia show moderate potassic alteration? The unit is fresh and alteration is weak to non. The rock crosscut by quartz-ankerite veins, and veinlets up to 4%.The magnetism is pervasive and intense, moderate ankerite and non calcite alteration. Trace mineralization of fine grained disseminated pyrite.					
430.70	495.00	Ank02					
		Ankerite 2					
		Ankerite pervasive moderate alteration.					
430.70	495.00	Vt;4%;Qak;St;;Py00;	431.00	432.00	Q282021	1.00	<0.005
		veinlet (1-5 mm) 4% quartz-ankerite stringers Pyrite 0%	432.00	433.00	Q282022	1.00	0.011
		In this interval A network of anlkerite quartz veinlets, veins wide 1-5 mm fill fractures up to 4%.	433.00	434.00	Q282023	1.00	0.007
			434.00	435.00	Q282024	1.00	0.006
			435.00	436.00	Q282027	1.00	<0.005
			436.00	437.00	Q282028	1.00	<0.005
			437.00	438.00	Q282029	1.00	0.006
			438.00	439.00	Q282030	1.00	<0.005
			439.00	440.00	Q282031	1.00	0.005
			440.00	441.00	Q282032	1.00	0.006
			441.00	442.00	Q282033	1.00	<0.005
			442.00	443.00	Q282034	1.00	<0.005
			443.00	444.00	Q282035	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			444.00	445.00	Q282036	1.00	<0.005
			445.00	446.00	Q282037	1.00	<0.005
			446.00	447.00	Q282038	1.00	0.005
			447.00	448.00	Q282039	1.00	0.005
			448.00	449.00	Q282040	1.00	0.005
			449.00	450.00	Q282041	1.00	<0.005
			450.00	451.00	Q282042	1.00	<0.005
			451.00	452.00	Q282043	1.00	0.005
452.00	453.00	Py00.1	452.00	453.00	Q282044	1.00	0.063
		Pyrite 0.1%	453.00	454.00	Q282045	1.00	0.018
		very fine grained disseminated pyrite	454.00	455.00	Q282046	1.00	0.018
			455.00	456.00	Q282047	1.00	0.006
			456.00	457.00	Q282048	1.00	0.005
			457.00	458.00	Q282049	1.00	<0.005
			458.00	459.00	Q282052	1.00	<0.005
459.00	468.00	Bxh	459.00	460.00	Q282053	1.00	<0.005
		Breccia healed 90°	460.00	461.00	Q282054	1.00	<0.005
		This interval contains approximately 20% hydrothermal breccia zones (sharp angular fragments of the host trachyte with associated quartz and very fine grained alteration minerals in distinct zones with sharp boundaries.	461.00	462.00	Q282055	1.00	<0.005
			462.00	463.00	Q282056	1.00	0.005
			463.00	464.00	Q282057	1.00	<0.005
464.00	495.00	Py00.01	464.00	465.00	Q282058	1.00	<0.005
		Pyrite 0.01%	465.00	466.00	Q282059	1.00	<0.005
		very fine grained disseminated	466.00	467.00	Q282060	1.00	<0.005
			467.00	468.00	Q282061	1.00	<0.005
			468.00	469.00	Q282062	1.00	<0.005
			469.00	470.00	Q282063	1.00	<0.005
			470.00	471.00	Q282064	1.00	<0.005
			471.00	472.00	Q282065	1.00	<0.005
			472.00	473.00	Q282066	1.00	0.006
			473.00	474.00	Q282067	1.00	0.013
			474.00	475.00	Q282068	1.00	0.008
			475.00	476.00	Q282069	1.00	0.008
			476.00	477.00	Q282070	1.00	0.014
			477.00	478.00	Q282071	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	478.00	479.00	Q282072	1.00	0.007
	479.00	480.00	Q282073	1.00	<0.005
	480.00	481.00	Q282074	1.00	0.006
	481.00	482.00	Q282077	1.00	0.006
	482.00	483.00	Q282078	1.00	0.007
	483.00	484.00	Q282079	1.00	0.006
	484.00	485.00	Q282080	1.00	0.007
	485.00	486.00	Q282081	1.00	<0.005
	486.00	487.00	Q282082	1.00	0.007
	487.00	488.00	Q282083	1.00	<0.005
	488.00	489.00	Q282084	1.00	0.007
	489.00	490.00	Q282085	1.00	0.011
	490.00	491.00	Q282086	1.00	0.008
	491.00	492.00	Q282087	1.00	0.048
	492.00	493.00	Q282088	1.00	0.048
	493.00	494.00	Q282089	1.00	0.025
	494.00	495.00	Q282090	1.00	0.011
495.00	**End of DDH**				
	Number of samples: 480				
	Number of QAQC samples: 42				
	Total sampled length: 473.50				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_46

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	Carl Corriveau	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	06/03/2014	Description date:	20/03/2014
		To:	10/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 423.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,416.794
North	0.0	0.000	5,331,738.968
Elevation	0.0	0.000	343.742

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	30.00	359.0°	-49.5°	No	Mag = 55871
ReflexEZS	96.00	1.1°	-49.9°	No	Mag = 55755
ReflexEZS	150.00	2.4°	-49.8°	No	Mag = 55868
ReflexEZS	210.00	3.0°	-49.4°	No	Mag = 55440
ReflexEZS	270.00	1.3°	-48.8°	No	Mag = 55683
ReflexEZS	330.00	4.6°	-49.2°	No	Mag = 55151
ReflexEZS	387.00	6.0°	-49.2°	No	Mag = 55233

Description

Re_logging by Reza Hosseinnejad

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	18.70	OVB					
		Overburden					
		Overburden					
18.70	44.15	V4; Pyro	18.70	19.50	Q285002	0.80	0.018
		Trachyte; PYROCLASTIC	19.50	21.00	Q285003	1.50	0.02
		Green to brown color, fine, medium and coarse grained ground mass contains 10-25% pyroclasts. These	21.00	22.50	Q285004	1.50	0.065
		casts show starching parallel to foliation @average 45 dtca. This unit contains white to brown-pinkish size mm	22.50	24.00	Q285005	1.50	0.124
		to cm broken fragments or clasts. Patchy iron oxide, sellective potassic and weak calcite alteration present.	24.00	25.50	Q285006	1.50	0.027
		Isolate weak to moderate foliation @45 dtca. The rock is strongly magnetic, weakly calcitic and ankretic.	25.50	27.00	Q285007	1.50	0.174
		Sulphide mineralization is trace.	27.00	28.50	Q285008	1.50	0.028
			28.50	30.00	Q285009	1.50	0.022
			30.00	31.50	Q285010	1.50	0.023
			31.50	33.00	Q285011	1.50	0.03
			33.00	34.50	Q285012	1.50	0.04
			34.50	36.00	Q285013	1.50	0.024
			36.00	37.50	Q285014	1.50	0.022
			37.50	39.00	Q285015	1.50	0.075
			39.00	40.50	Q285016	1.50	0.024
			40.50	42.00	Q285017	1.50	0.022
			42.00	43.50	Q285018	1.50	0.024
			43.50	45.00	Q285019	1.50	0.009
18.70	44.10	Ox01; K02; Ca01					
		Oxidation 1; Potassic 2; Calcite 1					
		Patchy iron oxide, sellective potassic and weak calcite alteration present					
44.10	102.00	Ca01; Cl01; Cl; Se02					
		Calcite 1; Chlorite 1; Chlorite; Sericite 2					
		In this interval weak pervasive and moderate sellective sericite and weak calcite alteration present					
44.15	101.80	V4; Cry; Pyro	45.00	46.50	Q285020	1.50	<0.005
		Trachyte; CRYSTALRICH; PYROCLASTIC	46.50	48.00	Q285021	1.50	<0.005
		With sharp contact @ 60 dtca the hole goes into trachyte flow with mixe texture of crystal rich and	48.00	49.50	Q285022	1.50	<0.005
		pyroclastic.This interval is mixed of crystal rich30% and pyroclastic 70%. The fine grained ground mass green	49.50	51.00	Q285023	1.50	<0.005
		grey color contains 10-15% rounded subrounded feldspar creamy pinkish phenoes size 1-4mm. The	51.00	52.50	Q285024	1.50	<0.005
		phenoess goes in and out and somewhere absolutely fades. The abundane of pyroclastic clasts changes	52.50	54.00	Q285026	1.50	<0.005
		predominantely. Weak chlorite alteration present. The unit is strongly magnetic, weak calcitic and non ankretic.	54.00	55.50	Q285027	1.50	0.005
		Pyrite mineralization is trace and locally it increased up 0.5 % at 58.50-60.0.	55.50	57.00	Q285028	1.50	0.005
		This unit is very similar to lapilli agglomerate tuff due to clear foliation and non glassy groundmass?					

Description			Assay				
			From	To	Sample number	Length	AuBest
			57.00	58.50	Q285029	1.50	0.038
58.50	60.00	Py00.5	58.50	60.00	Q285030	1.50	0.211
		Pyrite 0.5%	60.00	61.50	Q285031	1.50	0.018
		0.5 % fine grained disseminated pyrite.	61.50	63.00	Q285032	1.50	0.008
			63.00	64.50	Q285033	1.50	0.006
			64.50	66.00	Q285034	1.50	0.008
			66.00	67.50	Q285035	1.50	<0.005
			67.50	69.00	Q285036	1.50	<0.005
			69.00	70.50	Q285037	1.50	0.005
			70.50	72.00	Q285038	1.50	<0.005
			72.00	73.50	Q285039	1.50	<0.005
			73.50	75.00	Q285040	1.50	<0.005
			75.00	76.50	Q285041	1.50	<0.005
			76.50	78.00	Q285042	1.50	<0.005
			78.00	79.50	Q285043	1.50	<0.005
			79.50	81.00	Q285044	1.50	<0.005
			81.00	82.50	Q285045	1.50	<0.005
			82.50	84.00	Q285046	1.50	<0.005
			84.00	85.50	Q285047	1.50	0.006
			85.50	87.00	Q285048	1.50	<0.005
			87.00	88.50	Q285049	1.50	<0.005
			88.50	90.00	Q285052	1.50	<0.005
			90.00	91.50	Q285053	1.50	<0.005
			91.50	93.00	Q285054	1.50	0.025
			93.00	94.50	Q285055	1.50	0.005
			94.50	96.00	Q285056	1.50	0.005
			96.00	97.50	Q285057	1.50	<0.005
			97.50	99.00	Q285058	1.50	<0.005
			99.00	100.50	Q285059	1.50	<0.005
			100.50	102.00	Q285060	1.50	<0.005
101.75	101.85	Vn;15%;Qak;Vc;75°;;					
		vein (5 mm - 10 cm) 15% quartz-ankerite vein cross-cutting foliation 75°					
		A few quartz ankerite veins cross cut the unit @ average 75 dtca. There is no mineralization associated with this veins.					

Description			Assay				
			From	To	Sample number	Length	AuBest
101.80	240.80	V4; Pyro	102.00	103.50	Q285061	1.50	<0.005
		Trachyte; PYROCLASTIC	103.50	105.00	Q285062	1.50	<0.005
		The hole again go back to pyroclastic unit it is green to grey color, fine and medium grained ground mass	105.00	106.50	Q285063	1.50	0.014
		contains 10% pyroclasts. These clasts show starching parallel to foliation @average 45 dtca. This unit	106.50	108.00	Q285064	1.50	<0.005
		contains white to pinkish size mm to cm broken fragments or clasts. Isolate weak to moderate foliation @45	108.00	109.50	Q285065	1.50	<0.005
		dtca. The rock is strongly magnetic, weakly calcitic and moderate to strong selective ankretic.The rock shows	109.50	111.00	Q285066	1.50	0.008
		intense selective sericite and green chlorite alteration. Sulphide mineralization is trace. When the sericite	111.00	112.50	Q285067	1.50	<0.005
		alteration increased the eheadrul pyrite elongated inside sericite alteration veinlets.	112.50	114.00	Q285068	1.50	<0.005
		180-183 In this interval the rock shows strongly pottasic alteration and it is fragmental look like a hydrothermal	114.00	115.50	Q285069	1.50	<0.005
		braccia. There is no mineralization associated with this structure.	115.50	117.00	Q285070	1.50	0.009
		Intense potassic and moderate ankerite alteration from 175.30-193.20. In this interval the rock is fragmented	117.00	118.50	Q285071	1.50	<0.005
		and the color changes reddish.	118.50	120.00	Q285072	1.50	0.005
		From161-172 the rock strongly has broken. There is a few gouge micro faults in this interval.					
		From 176.50 to 217.50 abundance of ankerite veinlets @ variable orientation wide 1-4mm increased up to 10%.					
		From 193.30-195.10 the interval shows deformation and strong chlorite and ankeritet alteration in comparison					
		with main unit.					
119.40	119.55	Vn;10%;Qak;Vc;80°;;	120.00	121.50	Q285073	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite vein cross-cutting foliation 80°	121.50	123.00	Q285074	1.50	<0.005
		A series of quartz ankerite veins cross cut the unit at 80 dtca. There is no mineralization associated with	123.00	124.50	Q285077	1.50	<0.005
		this veins.	124.50	126.00	Q285078	1.50	<0.005
			126.00	127.50	Q285079	1.50	0.005
			127.50	129.00	Q285080	1.50	<0.005
			129.00	130.50	Q285081	1.50	<0.005
			130.50	132.00	Q285082	1.50	0.006
130.60	130.65	Vn;90%;Qak;Vc;80°;;	132.00	133.50	Q285083	1.50	<0.005
		vein (5 mm - 10 cm) 90% quartz-ankerite vein cross-cutting foliation 80°	133.50	135.00	Q285084	1.50	0.008
		A quartz ankerite vein cross cut the unit at 80 dtca. There is no mineralization associated with this veins.	135.00	136.50	Q285085	1.50	<0.005
			136.50	138.00	Q285086	1.50	<0.005
			138.00	139.50	Q285087	1.50	<0.005
			139.50	141.00	Q285088	1.50	<0.005
			141.00	142.50	Q285089	1.50	<0.005
			142.50	144.00	Q285090	1.50	<0.005
142.60	142.70	Vn;80%;Ak;Vc;80°;;					
		vein (5 mm - 10 cm) 80% ankerite vein cross-cutting foliation 80°					
		A ankerite veins cross cut the unit at 80 dtca. The vein shows deformation.There is no mineralization					
		associated with this veins.					
143.40	143.42	Gg	144.00	145.50	Q285091	1.50	<0.005
		Fault gouge 45°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		A narrow gouge microfault cross the rock parallel to foliation @ 45 dtca	145.50	147.00	Q285092	1.50	<0.005
			147.00	148.50	Q285093	1.50	<0.005
			148.50	150.00	Q285094	1.50	0.01
			150.00	151.50	Q285095	1.50	0.005
			151.50	153.00	Q285096	1.50	<0.005
			153.00	154.50	Q285097	1.50	<0.005
			154.50	156.00	Q285098	1.50	<0.005
			156.00	157.50	Q285099	1.50	0.005
			157.50	159.00	Q285102	1.50	0.008
			159.00	160.50	Q285103	1.50	0.005
			160.50	162.00	Q285104	1.50	<0.005
			162.00	163.50	Q285105	1.50	0.014
			163.50	165.00	Q285106	1.50	0.005
			165.00	166.50	Q285107	1.50	0.015
165.40	165.45	Vn;90%;Qcc;Vc;80°;;	166.50	168.00	Q285108	1.50	0.008
		vein (5 mm - 10 cm) 90% quartz-calcite-chlorite vein cross-cutting foliation 80°	168.00	169.50	Q285109	1.50	<0.005
		A quartz-ankerite with minor chlorite cross cut the rock @ 80 dtca. There is no mineralization associated with this vein.	169.50	171.00	Q285110	1.50	<0.005
169.60	171.00	Gg					
		Fault gouge 45°					
		A narrow gouge microfault cross the rock parallel to foliation @ 45 dtca					
170.50	175.30	Se03; Ank02; K01	171.00	172.50	Q285111	1.50	0.005
		Sericite 3; Ankerite 2; Potassic 1	172.50	174.00	Q285112	1.50	<0.005
		Pervasive intense sericite and ankerite and moderate selective potassic alteration.	174.00	175.50	Q285113	1.50	0.01
175.30	193.00	K03	175.50	177.00	Q285114	1.50	0.011
		Potassic 3					
		Pervasive intense potassic and magnetice and moderate ankerite alteration.					
176.50	217.50	Vt;10%;Qak;Sk;;;	177.00	178.50	Q285115	1.50	<0.005
		veinlet (1-5 mm) 10% quartz-ankerite stockwork	178.50	180.00	Q285116	1.50	<0.005
		From 176.50 to 217.50 abundance of ankerite veinlets @ variable orientation wide 1-4mm increased up to 10%.					
180.00	183.00	Bxh	180.00	181.50	Q285117	1.50	<0.005
		Breccia healed	181.50	183.00	Q285118	1.50	<0.005
		In this interval the rock shows strongly pottasic alteration and it is fragmental look like a hydrothermal braccia. There is no mineralization associated with this structure.	183.00	184.50	Q285119	1.50	<0.005
			184.50	186.00	Q285120	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			186.00	187.50	Q285121	1.50	<0.005
			187.50	189.00	Q285122	1.50	<0.005
			189.00	190.50	Q285123	1.50	<0.005
			190.50	192.00	Q285124	1.50	<0.005
			192.00	193.50	Q285127	1.50	0.01
193.10	195.10	Ank03; Cl03					
		Ankerite 3; Chlorite 3					
		Intense selective chlorite and ankerite veins alteration. Deformation zone.					
193.30	195.10	DZ	193.50	195.00	Q285128	1.50	0.026
		Deformation Zone	195.00	196.50	Q285129	1.50	0.01
		This interval shows deformation and different alteration in comparison with main unit.					
195.10	209.00	K03; Ank02; Mgt02	196.50	198.00	Q285130	1.50	<0.005
		Potassic 3; Ankerite 2; Magnetite 2	198.00	199.50	Q285131	1.50	<0.005
		Pervasive intense potassic and moderate magnetic and selective ankerite alteration.	199.50	201.00	Q285132	1.50	<0.005
			201.00	202.50	Q285133	1.50	<0.005
			202.50	204.00	Q285134	1.50	<0.005
			204.00	205.50	Q285135	1.50	<0.005
			205.50	207.00	Q285136	1.50	<0.005
			207.00	208.50	Q285137	1.50	<0.005
			208.50	210.00	Q285138	1.50	<0.005
			210.00	211.50	Q285139	1.50	<0.005
			211.50	213.00	Q285140	1.50	<0.005
			213.00	214.50	Q285141	1.50	<0.005
			214.50	216.00	Q285142	1.50	<0.005
			216.00	217.50	Q285143	1.50	<0.005
			217.50	219.00	Q285144	1.50	<0.005
			219.00	220.50	Q285145	1.50	<0.005
			220.50	222.00	Q285146	1.50	<0.005
			222.00	223.50	Q285147	1.50	0.005
			223.50	225.00	Q285148	1.50	<0.005
			225.00	226.50	Q285149	1.50	<0.005
			226.50	228.00	Q285152	1.50	<0.005
228.00	240.80	K02; Cl01	228.00	229.50	Q285153	1.50	<0.005
		Potassic 2; Chlorite 1	229.50	231.00	Q285154	1.50	<0.005
		pervasive moderate to weak chlorite and selective intense potassic alteration.	231.00	232.50	Q285155	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			232.50	234.00	Q285156	1.50	<0.005
			234.00	235.50	Q285157	1.50	<0.005
			235.50	237.00	Q285158	1.50	<0.005
			237.00	238.50	Q285159	1.50	<0.005
			238.50	240.00	Q285160	1.50	<0.005
			240.00	241.50	Q285161	1.50	<0.005
240.80	256.50	V4T **Trachytic tuff 45°** Fine grained greenish grey trachyte tuff shows intense pervasive ankerite, chlorite and sericite alteration. Well foliated @ 45-60 dtca. Traces disseminated Pyrite. Moderate pervasive magnetite and strongly calcitic. The rock pervaded by a network of calcite wispy, patches and veinlets wide 1-4 mm at the variable orientation up 5%.					
240.80	272.50	Cl02; K01 **Chlorite 2; Potassic 1** selective weak potassic and moderate chlorite alteration.	241.50	243.00	Q285162	1.50	0.006
			243.00	244.50	Q285163	1.50	<0.005
			244.50	246.00	Q285164	1.50	<0.005
			246.00	247.50	Q285165	1.50	0.006
			247.50	249.00	Q285166	1.50	<0.005
			249.00	250.50	Q285167	1.50	<0.005
			250.50	252.00	Q285168	1.50	<0.005
			252.00	253.50	Q285169	1.50	<0.005
			253.50	255.00	Q285170	1.50	<0.005
			255.00	256.50	Q285171	1.50	<0.005
256.50	310.95	V4Tl; LapTuff **Trachytic lapilli tuff 45°; LAPILLI TUFF/AGGLOMERATE** Gradationally the hole goes lapilli tuff. This interval is mixed of lapilli 60% and agglomerate 40%. The fine grained ground mass green grey color contains 10-15% rounded sub rounded feldspar creamy pinkish phenoes size 1-4mm. The chrystals phenoes goes in and out and somewhere absolutely fades. Weak chlorite and moderately potassic alteration present. The unit is strongly magnetic, moderately calcitic and non ankretic. After 273 m the abundance of phenoes that elongated on plan of foliation @ 45 increased up 25%. In this interval rock shows moderate pervasive potassic and non calcitic alteration.	256.50	258.00	Q285172	1.50	0.006
			258.00	259.50	Q285173	1.50	0.006
			259.50	261.00	Q285174	1.50	<0.005
			261.00	262.50	Q285177	1.50	<0.005
			262.50	264.00	Q285178	1.50	0.009
			264.00	265.50	Q285179	1.50	<0.005
			265.50	267.00	Q285180	1.50	0.01
			267.00	268.50	Q285181	1.50	<0.005
			268.50	270.00	Q285182	1.50	0.008
			270.00	271.50	Q285183	1.50	0.01
			271.50	273.00	Q285184	1.50	<0.005
272.50	310.95	K02; Ank02 **Potassic 2; Ankerite 2**	273.00	274.50	Q285185	1.50	<0.005
			274.50	276.00	Q285186	1.50	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
		moderate pervasive potassic and ankerite alteration has changed color of rock to creamy pinkish.	276.00	277.50	Q285187	1.50	<0.005
			277.50	279.00	Q285188	1.50	<0.005
			279.00	280.50	Q285189	1.50	<0.005
			280.50	282.00	Q285190	1.50	<0.005
			282.00	283.50	Q285191	1.50	<0.005
			283.50	285.00	Q285192	1.50	<0.005
			285.00	286.50	Q285193	1.50	0.006
			286.50	288.00	Q285194	1.50	<0.005
			288.00	289.50	Q285195	1.50	<0.005
			289.50	291.00	Q285196	1.50	<0.005
			291.00	292.50	Q285197	1.50	<0.005
			292.50	294.00	Q285198	1.50	<0.005
			294.00	295.50	Q285199	1.50	0.006
			295.50	297.00	Q285202	1.50	<0.005
			297.00	298.50	Q285203	1.50	<0.005
			298.50	300.00	Q285204	1.50	<0.005
			300.00	301.50	Q285205	1.50	<0.005
			301.50	303.00	Q285206	1.50	<0.005
			303.00	304.50	Q285207	1.50	<0.005
			304.50	306.00	Q285208	1.50	<0.005
			306.00	307.50	Q285209	1.50	<0.005
			307.50	309.00	Q285210	1.50	<0.005
			309.00	310.50	Q285211	1.50	0.038
			310.50	312.00	Q285212	1.50	0.019
310.95	325.65	V4T **Trachytic tuff 80°** Sharp contact @ 85 is the beginning of this fine grained grey greenish unit. Very well foliated @ 35 dtca and a sequence of green and black color help to show sedimentary bedding. The interval shows intense pervasive sericite and intense isolate chlorite alteration. Patchy cherty and silicification present. The magnetite is variable from trace to intense. Fine grained dust pyrite parallel to sericite veinlets parallel to foliation.					
310.95	325.65	V4 **Trachyte 85°** Sharp contact @ 85 is the beginning of this fine grained grey greenish unit. Very well foliated @ 35 dtca and a sequence of green and black color help to show sedimentary bedding. somewhere it contains a few lapilli. The interval shows intense pervasive sericite and intense isolate chlorite alteration. Patchy cherty and silicification present. The magnetite is variable from trace to intense. Fine grained dust pyrite	312.00	313.50	Q285213	1.50	0.02
			313.50	315.00	Q285214	1.50	0.005
			315.00	316.50	Q285215	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		parallel to sericite veinlets parallel to foliation.					
310.95	315.45	Se02; Cl02					
		Sericite 2; Chlorite 2					
		Intense selective sericite and chlorite alteration.					
310.95	315.45	Py00.5					
		Pyrite 0.5%					
		Fine grained disseminated pryite.					
315.45	347.00	Si02; Se03; Cl03; Ank02					
		Silica 2; Sericite 3; Chlorite 3; Ankerite 2					
		Isolate moderate silicification, intense selective sericite and green chlorite and moderate ankerite alteration.					
315.45	347.25	Py01	316.50	318.00	Q285216	1.50	0.008
		Pyrite 1%	318.00	319.50	Q285217	1.50	0.005
		This interval mineralized up 1%o by trian shap pyrite parallel to foliation as well as disseminated..	319.50	321.00	Q285218	1.50	0.005
			321.00	322.50	Q285219	1.50	0.008
			322.50	324.00	Q285220	1.50	0.006
			324.00	325.50	Q285221	1.50	0.008
325.00	423.00	SZ	325.50	327.00	Q285222	1.50	0.01
		Shear Zone					
		Very weak isolated sheard zone. The ankeritec lapilli and veins and veinlets shows weak patchy shear zone.					
325.65	423.00	V4; LapTuff	327.00	328.50	Q285223	1.50	0.014
		Trachyte; LAPILLI TUFF/AGGLOMERATE	328.50	330.00	Q285224	1.50	0.021
		Gradationally the hole goes into trachyte lapilli tuff . The abundance of large clasts decreases and fades in	330.00	331.50	Q285227	1.50	0.013
		down hole. Fine grained matrix green grey color with intensive sericite chlorite alteration. Selective intense	331.50	333.00	Q285228	1.50	0.01
		silicification makes rock cherty appearance. The clasts weakly deformed and starched. The whitish creamy	333.00	334.50	Q285229	1.50	0.011
		phenoes elongated on plan of foliation and shows foliation clearly. Somewhere the ankerite veins and veinlets	334.50	336.00	Q285230	1.50	0.006
		show crenulations and moderate deformation. The unit mineralized by fine grained train shape pyrite inside	336.00	337.50	Q285231	1.50	0.009
		sericite and chlorite veinlets and increased locally up 1%. Quartz vein contains patchy ankerite with minor	337.50	339.00	Q285232	1.50	0.01
		pinkish feldspar cross the unit almost parallel to foliation and locally reaches to 15%.	339.00	340.50	Q285233	1.50	0.011
		From 372-378 a series of quartz with minor patchy ankerite feldspar wide 1-10 run parallel to foliation.	340.50	342.00	Q285234	1.50	0.008
		From 395-423 the foliation changes parallel to core axes at average @5-10 dtca.	342.00	343.50	Q285235	1.50	0.012
		From 397.5-399.10 shows strongly pervasive crenulations and moderate deformation.	343.50	345.00	Q285236	1.50	0.012
		The rock strongly is magnetic except in the pyrite mineralization part.	345.00	346.50	Q285237	1.50	0.009
			346.50	348.00	Q285238	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
			348.00	349.50	Q285239	1.50	0.007
			349.50	351.00	Q285240	1.50	0.005
			351.00	352.50	Q285241	1.50	0.005
			352.50	354.00	Q285242	1.50	0.005
			354.00	355.50	Q285243	1.50	0.006
			355.50	357.00	Q285244	1.50	0.01
			357.00	358.50	Q285245	1.50	0.007
			358.50	360.00	Q285246	1.50	0.006
			360.00	361.50	Q285247	1.50	<0.005
			361.50	363.00	Q285248	1.50	0.005
			363.00	364.50	Q285249	1.50	0.006
			364.50	366.00	Q285252	1.50	<0.005
			366.00	367.50	Q285253	1.50	<0.005
			367.50	369.00	Q285254	1.50	<0.005
			369.00	370.50	Q285255	1.50	0.005
			370.50	372.00	Q285256	1.50	0.005
372.00	374.00	K03	372.00	373.50	Q285257	1.50	<0.005
		Potassic 3					
		Intense selective potassic alteration has change color to red to pinkish.					
372.65	378.00	Cp00.1; Py00.5					
		Chalcopyrite 0.1%; Pyrite 0.5%					
		In this interval the unit mineralized by fine grained disseminated pyrite as well as chalcopyrte veinlets. This intrval also shows potasic alteration and there is positve relation between potassic alteration and pyrite mineralization.					
372.75	372.95	Vn;95%;Qac;Vc;45°;;					
		vein (5 mm - 10 cm) 95% quartz-ankerite-chlorite vein cross-cutting foliation 45°					
		A quartz ankerite feldspar with minor chlorite cross cut the rock @45 dtca. Here the foliation is about 10 dtca. There is no pyrite mineralization associated with this vein.					
373.30	373.65	Vn;70%;Qac;Vc;45°;;	373.50	375.00	Q285258	1.50	0.015
		vein (5 mm - 10 cm) 70% quartz-ankerite-chlorite vein cross-cutting foliation 45°					
		A quartz ankerite feldespar with minor chlorite and secondary ankerite cross cut the rock @45 dtca. Here the foliation is about 10 dtca. There is no pyrite mineralization associated with this vein.					
373.80	374.10	Vn;65%;Qac;Vc;40°;;					
		vein (5 mm - 10 cm) 65% quartz-ankerite-chlorite vein cross-cutting foliation 40°					
		A pinkish quartz ankerite feldespar with minor chlorite and secondary ankerite cross cut the rock @45 dtca. There is no pyrite mineralization associated with this vein.					
374.00	423.00	K01; Cl01; Ank02					
		Potassic 1; Chlorite 1; Ankerite 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate selective chlorite and ankerite and very weak selective potassic alteration.					
375.00	375.45	Vn;55%;Qac;Vn;10°;;	375.00	376.50	Q285259	1.50	0.009
		vein (5 mm - 10 cm) 55% quartz-ankerite-chlorite vein parallel to foliation 10°	376.50	378.00	Q285260	1.50	<0.005
		Pinkish ankerite feldespar and grey quartz with minor chlorite vein cross cut the rock @45 dtca. There is no pyrite mineralization associated with this vein.					
377.65	377.90	Vn;40%;Qac;Vn;15°;;	378.00	379.50	Q285261	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-ankerite-chlorite vein parallel to foliation 15°	379.50	381.00	Q285262	1.50	<0.005
		A Pinkish ankerite feldespar and grey quartz with minor chlorite vein cross cut the rock @45 dtca. There is no pyrite mineralization associated with this vein.	381.00	382.50	Q285263	1.50	<0.005
			382.50	384.00	Q285264	1.50	<0.005
			384.00	385.50	Q285265	1.50	<0.005
			385.50	387.00	Q285266	1.50	<0.005
			387.00	388.50	Q285267	1.50	<0.005
			388.50	390.00	Q285268	1.50	<0.005
			390.00	391.50	Q285269	1.50	<0.005
			391.50	393.00	Q285270	1.50	<0.005
			393.00	394.50	Q285271	1.50	<0.005
			394.50	396.00	Q285272	1.50	<0.005
			396.00	397.50	Q285273	1.50	<0.005
397.00	397.20	Vn;15%;Qak;Ra;;;	397.50	399.00	Q285274	1.50	<0.005
		vein (5 mm - 10 cm) 15% quartz-ankerite random	399.00	400.50	Q285277	1.50	<0.005
		A grey quartz with minor patchy whitish ankerite vein wide 2 cm cross irregularly the unit.	400.50	402.00	Q285278	1.50	0.007
			402.00	403.50	Q285279	1.50	0.005
			403.50	405.00	Q285280	1.50	0.009
			405.00	406.50	Q285281	1.50	<0.005
406.00	415.30	Vn;15%;Qak;Vn;7°;;	406.50	408.00	Q285282	1.50	0.005
		vein (5 mm - 10 cm) 15% quartz-ankerite vein parallel to foliation 7°	408.00	409.50	Q285283	1.50	0.03
		A series of grey quartz with minor whitish ankerite veins wide 2-5 cm run parallel to foliation @ 5-10 dtca. There is no mineralization associated with these structures.	409.50	411.00	Q285284	1.50	<0.005
			411.00	412.50	Q285285	1.50	<0.005
			412.50	414.00	Q285286	1.50	<0.005
			414.00	415.50	Q285287	1.50	<0.005
			415.50	417.00	Q285288	1.50	<0.005
			417.00	418.50	Q285289	1.50	<0.005
			418.50	420.00	Q285290	1.50	<0.005
			420.00	421.50	Q285291	1.50	<0.005
			421.50	423.00	Q285292	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
421.80	422.25	Vn;18%;Qak;Vn;15°;; **vein (5 mm - 10 cm) 18% quartz-ankerite vein parallel to foliation 15°** A grey quartz with minor whitish ankerite vein wide 3 cm run parallel to foliation @ 15 dtca. No mineralization associated.					
423.00		**End of DDH** **Number of samples: 270** **Number of QAQC samples: 22** **Total sampled length: 404.30**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_47

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Ciara Cooke, relog by AJR	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	09/03/2014	Description date:	19/03/2014
		To:	14/03/2014		

Collar

Azimuth: 210.0°
Dip: -50.0°
Length: 483.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,714.523
North	0.0	0.000	5,331,388.675
Elevation	0.0	0.000	344.062

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	210.0°	-50.0°	No	
ReflexEZS	60.00	210.5°	-54.4°	No	Mag = 56080
ReflexEZS	120.00	213.5°	-54.4°	No	Mag = 55524
ReflexEZS	183.00	214.2°	-55.1°	No	Mag = 55708
ReflexEZS	243.00	214.5°	-54.6°	No	Mag = 55693
ReflexEZS	303.00	217.4°	-54.4°	No	Mag = 55488
ReflexEZS	363.00	216.7°	-56.4°	No	Mag = 55453
ReflexEZS	423.00	219.4°	-56.4°	No	Mag = 55259
ReflexEZS	483.00	221.8°	-56.3°	No	Mag = 55841

Description

Logging completed on March 23 2014,

Core size: NQ Cemented: Yes Stored: Yes

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	44.78	OVB					
		Overburden					
		casing					
44.78	263.40	V4; Per	44.87	46.50	Q284405	1.63	0.37
		Trachyte; PERLITIC	46.50	48.00	Q284406	1.50	0.213
		Red, aphanitic, pervasively potassic altered perlitic trachyte unit. Occasional dark, chloritic, ankeritic flow	48.00	49.50	Q284407	1.50	0.216
		chilled flow tops. Lower contact is marked by a brecciated and chloritic zone, the peperite.					
44.78	49.08	K01					
		Potassic 1					
		pervasive					
49.08	54.12	FTH					
		Flow Top/Hyaloclastite					
		dark, aphanitic, chloritic, contains approximately 25% small, lineated light coloured clasts. Sharp					
		contacts, 45 upper and 60 lower.					
49.08	54.12	Cl01; Ank01	49.50	51.00	Q284408	1.50	0.631
		Chlorite 1; Ankerite 1	51.00	52.50	Q284409	1.50	1.09
		pervasive	52.50	54.00	Q284410	1.50	1.215
			54.00	55.50	Q284411	1.50	0.408
54.12	61.11	K01	55.50	57.00	Q284412	1.50	0.555
		Potassic 1	57.00	58.50	Q284413	1.50	0.204
		pervasive	58.50	60.00	Q284414	1.50	0.177
			60.00	61.50	Q284415	1.50	0.23
61.11	64.91	FTH					
		Flow Top/Hyaloclastite					
		dark, aphanitic, chloritic.					
61.11	64.94	Cl01; Ank01	61.50	63.00	Q284416	1.50	0.153
		Chlorite 1; Ankerite 1	63.00	64.50	Q284417	1.50	0.933
		pervasive	64.50	66.00	Q284418	1.50	1.2
64.94	80.25	K01; Ank01	66.00	67.50	Q284419	1.50	1.275
		Potassic 1; Ankerite 1	67.50	69.00	Q284420	1.50	0.762
		pervasive	69.00	70.50	Q284421	1.50	0.516
			70.50	72.00	Q284422	1.50	0.257
			72.00	73.50	Q284423	1.50	0.59
			73.50	75.00	Q284424	1.50	2.48
			75.00	76.50	Q284427	1.50	0.373
			76.50	78.00	Q284428	1.50	1.195

Description			Assay				
			From	To	Sample number	Length	AuBest
			78.00	79.50	Q284429	1.50	1.7
			79.50	81.00	Q284430	1.50	0.893
80.25	82.46	FTH					
		Flow Top/Hyaloclastite					
		dark, aphanitic, chloritic. Brecciated upper and lower contacts.					
80.25	82.46	Cl01; Ank01	81.00	82.50	Q284431	1.50	1.7
		Chlorite 1; Ankerite 1					
		peravasive					
82.46	100.65	K01; Ank01	82.50	84.00	Q284432	1.50	0.318
		Potassic 1; Ankerite 1	84.00	85.50	Q284433	1.50	0.095
		pervasive	85.50	87.00	Q284434	1.50	0.076
			87.00	88.50	Q284435	1.50	0.184
			88.50	90.00	Q284436	1.50	0.281
			90.00	91.50	Q284437	1.50	0.142
			91.50	93.00	Q284438	1.50	0.111
			93.00	94.50	Q284439	1.50	0.686
			94.50	96.00	Q284440	1.50	0.101
			96.00	97.50	Q284441	1.50	1.09
			97.50	99.00	Q284442	1.50	0.258
			99.00	100.50	Q284443	1.50	0.568
			100.50	102.00	Q284444	1.50	0.751
100.65	101.00	FTH					
		Flow Top/Hyaloclastite					
		dark, aphanitic, chloritic					
100.65	101.00	Cl01; Ank01					
		Chlorite 1; Ankerite 1					
		pervasive					
101.00	107.83	Cl01; Ank	102.00	103.50	Q284445	1.50	0.35
		Chlorite 1; Ankerite	103.50	105.00	Q284446	1.50	1.88
		pervasive					
105.00	107.83	FTH	105.00	106.50	Q284447	1.50	0.408
		Flow Top/Hyaloclastite	106.50	108.00	Q284448	1.50	0.067
		dark, aphanitic, chloritic.					
107.83	140.38	K01; Ank01	108.00	109.50	Q284449	1.50	0.638
		Potassic 1; Ankerite 1	109.50	111.00	Q284452	1.50	0.493
		pervasive	111.00	112.50	Q284453	1.50	0.169
			112.50	114.00	Q284454	1.50	0.272

Description			Assay				
			From	To	Sample number	Length	AuBest
			114.00	115.50	Q284455	1.50	0.084
			115.50	117.00	Q284456	1.50	0.167
			117.00	118.50	Q284457	1.50	0.177
			118.50	120.00	Q284458	1.50	0.208
			120.00	121.50	Q284459	1.50	0.365
			121.50	123.00	Q284460	1.50	0.248
			123.00	124.50	Q284461	1.50	0.123
			124.50	126.00	Q284462	1.50	0.116
			126.00	127.50	Q284463	1.50	0.439
			127.50	129.00	Q284464	1.50	0.15
			129.00	130.50	Q284465	1.50	0.352
			130.50	132.00	Q284466	1.50	0.304
			132.00	133.50	Q284467	1.50	0.129
			133.50	135.00	Q284468	1.50	0.14
			135.00	136.50	Q284469	1.50	0.14
			136.50	138.00	Q284470	1.50	0.151
			138.00	139.50	Q284471	1.50	0.201
			139.50	141.00	Q284472	1.50	0.267
140.38	141.30	FTH					
		Flow Top/Hyaloclastite					
		dark, chloritic, approx 30% aphanitic glassy reddish fragments					
140.38	141.30	Cl01; Ank01	141.00	142.50	Q284473	1.50	0.17
		Chlorite 1; Ankerite 1					
		pervasive					
141.30	159.04	K01; Ank01	142.50	144.00	Q284474	1.50	0.357
		Potassic 1; Ankerite 1	144.00	145.50	Q284477	1.50	0.211
		pervasive	145.50	147.00	Q284478	1.50	1.85
			147.00	148.50	Q284479	1.50	0.495
			148.50	150.00	Q284480	1.50	0.294
			150.00	151.50	Q284481	1.50	0.565
			151.50	153.00	Q284482	1.50	1.745
			153.00	154.50	Q284483	1.50	0.755
			154.50	156.00	Q284484	1.50	1.33
			156.00	157.50	Q284485	1.50	0.212
			157.50	159.00	Q284486	1.50	0.091

Description			Assay				
			From	To	Sample number	Length	AuBest
			159.00	160.50	Q284487	1.50	1.255
159.04	161.87	FTH					
		Flow Top/Hyaloclastite					
		dark, chloritic, approximately 30% reddish, rounded aphanitic clasts of trachyte					
159.04	161.87	Cl01; Ank01	160.50	162.00	Q284488	1.50	0.233
		Chlorite 1; Ankerite 1					
		pervasive					
161.87	190.65	K01; Ank01	162.00	163.50	Q284489	1.50	0.082
		Potassic 1; Ankerite 1	163.50	165.00	Q284490	1.50	0.117
		pervasive	165.00	166.50	Q284491	1.50	0.087
			166.50	168.00	Q284492	1.50	0.137
			168.00	169.50	Q284493	1.50	0.363
			169.50	171.00	Q284494	1.50	0.153
			171.00	172.50	Q284495	1.50	0.142
			172.50	174.00	Q284496	1.50	0.112
			174.00	175.50	Q284497	1.50	0.466
			175.50	177.00	Q284498	1.50	0.392
			177.00	178.50	Q284499	1.50	0.389
			178.50	180.00	Q284502	1.50	0.142
			180.00	181.50	Q284503	1.50	0.092
			181.50	183.00	Q284504	1.50	0.562
			183.00	184.50	Q284505	1.50	0.171
			184.50	186.00	Q284506	1.50	0.152
			186.00	187.50	Q284507	1.50	0.54
			187.50	189.00	Q284508	1.50	0.277
			189.00	190.50	Q284509	1.50	0.148
			190.50	192.00	Q284510	1.50	0.148
190.65	263.40	Ank01	192.00	193.50	Q284511	1.50	0.192
		Ankerite 1	193.50	195.00	Q284512	1.50	0.128
		pervasive	195.00	196.50	Q284513	1.50	0.138
			196.50	198.00	Q284514	1.50	0.129
			198.00	199.50	Q284515	1.50	0.09
			199.50	201.00	Q284516	1.50	0.316
			201.00	202.50	Q284517	1.50	0.277
			202.50	204.00	Q284518	1.50	0.198

Description	Assay				
	From	To	Sample number	Length	AuBest
	204.00	205.50	Q284519	1.50	0.114
	205.50	207.00	Q284520	1.50	0.202
	207.00	208.50	Q284521	1.50	0.083
	208.50	210.00	Q284522	1.50	0.097
	210.00	211.50	Q284523	1.50	0.193
	211.50	213.00	Q284524	1.50	0.219
	213.00	214.50	Q284527	1.50	0.188
	214.50	216.00	Q284528	1.50	0.301
	216.00	217.50	Q284529	1.50	0.138
	217.50	219.00	Q284530	1.50	0.158
	219.00	220.50	Q284531	1.50	0.233
	220.50	222.00	Q284532	1.50	0.221
	222.00	223.50	Q284533	1.50	0.202
	223.50	225.00	Q284534	1.50	0.202
	225.00	226.50	Q284535	1.50	0.336
	226.50	228.00	Q284536	1.50	0.315
	228.00	229.50	Q284537	1.50	0.21
	229.50	231.00	Q284538	1.50	0.193
	231.00	232.50	Q284539	1.50	0.206
	232.50	234.00	Q284540	1.50	0.189
	234.00	235.50	Q284541	1.50	0.856
	235.50	237.00	Q284542	1.50	1.115
	237.00	238.50	Q284543	1.50	0.167
	238.50	240.00	Q284544	1.50	0.311
	240.00	241.50	Q284545	1.50	0.68
	241.50	243.00	Q284546	1.50	0.239
	243.00	244.50	Q284547	1.50	0.242
	244.50	246.00	Q284548	1.50	0.148
	246.00	247.50	Q284549	1.50	0.234
	247.50	249.00	Q284552	1.50	0.223
	249.00	250.50	Q284553	1.50	0.493
	250.50	252.00	Q284554	1.50	0.264
	252.00	253.50	Q284555	1.50	0.428
	253.50	255.00	Q284556	1.50	1.19

Description			Assay				
			From	To	Sample number	Length	AuBest
			255.00	256.50	Q284557	1.50	0.156
			256.50	258.00	Q284558	1.50	0.156
			258.00	259.50	Q284559	1.50	0.15
			259.50	261.00	Q284560	1.50	0.209
			261.00	262.50	Q284561	1.50	0.25
			262.50	264.00	Q284562	1.50	0.415
263.40	483.00	V4; Fol	264.00	265.50	Q284563	1.50	0.984
		Trachyte; Foliated	265.50	267.00	Q284564	1.50	0.626
		Deformed paleobasement trachyte unit. Greyish, banded with alternating light beige/grey and a greenish	267.00	268.50	Q284565	1.50	1.42
		chloritic, aphanitic, pervasively ankerite altered with patchy local potassic and chlorite mostly as infil Unit is well	268.50	270.00	Q284566	1.50	0.79
		foliated with foliation ranging from 60tca to parallel. Local s-c fabric observed as well as rotated clasts.	270.00	271.50	Q284567	1.50	0.792
		Alteration transitions sharply from ankerite+light green chlorite to dark green chlorite+calcite at 399m. Foliation -	271.50	273.00	Q284568	1.50	0.424
		344.4-348 is parallel to core axis. From 348 to eoh the foliation is a consistent 40-50TCA often with a very nice	273.00	274.50	Q284569	1.50	0.47
		crenulation cleavage developed.	274.50	276.00	Q284570	1.50	0.568
			276.00	277.50	Q284571	1.50	0.303
			277.50	279.00	Q284572	1.50	0.051
			279.00	280.50	Q284573	1.50	0.13
			280.50	282.00	Q284574	1.50	0.223
			282.00	283.50	Q284577	1.50	0.097
			283.50	285.00	Q284578	1.50	0.077
			285.00	286.50	Q284579	1.50	0.291
			286.50	288.00	Q284580	1.50	1.46
			288.00	289.50	Q284581	1.50	1.07
			289.50	291.00	Q284582	1.50	0.782
			291.00	292.50	Q284583	1.50	0.389
			292.50	294.00	Q284584	1.50	0.523
			294.00	295.50	Q284585	1.50	0.179
			295.50	297.00	Q284586	1.50	0.34
			297.00	298.50	Q284587	1.50	0.254
			298.50	300.00	Q284588	1.50	0.183
			300.00	301.50	Q284589	1.50	0.08
			301.50	303.00	Q284590	1.50	0.075
			303.00	304.50	Q284591	1.50	0.274
			304.50	306.00	Q284592	1.50	0.463

Description			Assay				
			From	To	Sample number	Length	AuBest
			306.00	307.50	Q284593	1.50	0.166
			307.50	309.00	Q284594	1.50	0.51
			309.00	310.50	Q284595	1.50	0.134
			310.50	312.00	Q284596	1.50	0.034
263.40	310.60	Ank01; K01					
		Ankerite 1; Potassic 1					
		pervasive					
310.60	398.94	Ank01; Cl01	312.00	313.50	Q284597	1.50	0.073
		Ankerite 1; Chlorite 1	313.50	315.00	Q284598	1.50	0.063
		pervasive ankerite, patchy light green chlorite	315.00	316.50	Q284599	1.50	0.058
			316.50	318.00	Q284602	1.50	0.026
			318.00	319.50	Q284603	1.50	0.015
			319.50	321.00	Q284604	1.50	<0.005
			321.00	322.50	Q284605	1.50	0.007
			322.50	324.00	Q284606	1.50	0.019
			324.00	325.50	Q284607	1.50	0.326
			325.50	327.00	Q284608	1.50	0.042
			327.00	328.50	Q284609	1.50	0.12
			328.50	330.00	Q284610	1.50	0.036
			330.00	331.50	Q284611	1.50	0.014
			331.50	333.00	Q284612	1.50	0.039
			333.00	334.50	Q284613	1.50	0.009
			334.50	336.00	Q284614	1.50	0.015
			336.00	337.50	Q284615	1.50	0.039
			337.50	339.00	Q284616	1.50	0.112
			339.00	340.50	Q284617	1.50	0.567
			340.50	342.00	Q284618	1.50	0.279
			342.00	343.50	Q284619	1.50	0.018
			343.50	345.00	Q284620	1.50	0.012
			345.00	346.50	Q284621	1.50	0.017
			346.50	348.00	Q284622	1.50	0.06
			348.00	349.50	Q284623	1.50	0.008
			349.50	351.00	Q284624	1.50	0.208
			351.00	352.50	Q284627	1.50	0.032
			352.50	354.00	Q284628	1.50	0.525

Description			Assay				
			From	To	Sample number	Length	AuBest
			354.00	355.50	Q284629	1.50	0.1
			355.50	357.00	Q284630	1.50	0.152
			357.00	358.50	Q284631	1.50	0.049
			358.50	360.00	Q284632	1.50	0.22
			360.00	361.50	Q284633	1.50	0.082
			361.50	363.00	Q284634	1.50	0.222
			363.00	364.50	Q284635	1.50	0.059
			364.50	366.00	Q284636	1.50	<0.005
			366.00	367.50	Q284637	1.50	0.039
			367.50	369.00	Q284638	1.50	0.015
			369.00	370.50	Q284639	1.50	0.115
			370.50	372.00	Q284640	1.50	0.052
			372.00	373.50	Q284641	1.50	0.185
			373.50	375.00	Q284642	1.50	0.006
			375.00	376.50	Q284643	1.50	0.044
			376.50	378.00	Q284644	1.50	0.096
			378.00	379.50	Q284645	1.50	0.155
			379.50	381.00	Q284646	1.50	0.398
			381.00	382.50	Q284647	1.50	0.156
			382.50	384.00	Q284648	1.50	0.015
			384.00	385.50	Q284649	1.50	0.018
			385.50	387.00	Q284652	1.50	0.047
			387.00	388.50	Q284653	1.50	0.18
			388.50	390.00	Q284654	1.50	0.043
			390.00	391.50	Q284655	1.50	0.028
			391.50	393.00	Q284656	1.50	0.066
			393.00	394.50	Q284657	1.50	0.036
			394.50	396.00	Q284658	1.50	0.036
			396.00	397.50	Q284659	1.50	<0.005
			397.50	399.00	Q284660	1.50	<0.005
398.94	483.00	Cl01; Ca01	399.00	400.50	Q284661	1.50	0.008
		Chlorite 1; Calcite 1	400.50	402.00	Q284662	1.50	0.012
		pervasive dark green chlorite, patchy calcite	402.00	403.50	Q284663	1.50	<0.005
			403.50	405.00	Q284664	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	405.00	406.50	Q284665	1.50	<0.005
	406.50	408.00	Q284666	1.50	0.006
	408.00	409.50	Q284667	1.50	0.005
	409.50	411.00	Q284668	1.50	<0.005
	411.00	412.50	Q284669	1.50	0.006
	412.50	414.00	Q284670	1.50	<0.005
	414.00	415.50	Q284671	1.50	0.006
	415.50	417.00	Q284672	1.50	0.006
	417.00	418.50	Q284673	1.50	<0.005
	418.50	420.00	Q284674	1.50	<0.005
	420.00	421.50	Q284677	1.50	<0.005
	421.50	423.00	Q284678	1.50	<0.005
	423.00	424.50	Q284679	1.50	<0.005
	424.50	426.00	Q284680	1.50	<0.005
	426.00	427.50	Q284681	1.50	<0.005
	427.50	429.00	Q284682	1.50	<0.005
	429.00	430.50	Q284683	1.50	<0.005
	430.50	432.00	Q284684	1.50	<0.005
	432.00	433.50	Q284685	1.50	<0.005
	433.50	435.00	Q284686	1.50	0.008
	435.00	436.50	Q284687	1.50	<0.005
	436.50	438.00	Q284688	1.50	<0.005
	438.00	439.50	Q284689	1.50	<0.005
	439.50	441.00	Q284690	1.50	<0.005
	441.00	442.50	Q284691	1.50	<0.005
	442.50	444.00	Q284692	1.50	<0.005
	444.00	445.50	Q284693	1.50	<0.005
	445.50	447.00	Q284694	1.50	<0.005
	447.00	448.50	Q284695	1.50	<0.005
	448.50	450.00	Q284696	1.50	<0.005
	450.00	451.50	Q284697	1.50	<0.005
	451.50	453.00	Q284698	1.50	<0.005
	453.00	454.50	Q284699	1.50	<0.005
	454.50	456.00	Q284702	1.50	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	456.00	457.50	Q284703	1.50	<0.005
	457.50	459.00	Q284704	1.50	<0.005
	459.00	460.50	Q284705	1.50	<0.005
	460.50	462.00	Q284706	1.50	<0.005
	462.00	463.50	Q284707	1.50	<0.005
	463.50	465.00	Q284708	1.50	<0.005
	465.00	466.50	Q284709	1.50	<0.005
	466.50	468.00	Q284710	1.50	<0.005
	468.00	469.50	Q284711	1.50	<0.005
	469.50	471.00	Q284712	1.50	<0.005
	471.00	472.50	Q284713	1.50	<0.005
	472.50	474.00	Q284714	1.50	<0.005
	474.00	475.50	Q284715	1.50	<0.005
	475.50	477.00	Q284716	1.50	<0.005
	477.00	478.50	Q284717	1.50	<0.005
	478.50	480.00	Q284718	1.50	<0.005
	480.00	481.50	Q284719	1.50	<0.005
	481.50	483.00	Q284720	1.50	<0.005
483.00	**End of DDH**				
	Number of samples: 292				
	Number of QAQC samples: 24				
	Total sampled length: 438.13				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_48

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Ciara Cooke/Gilles kamta/Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	15/03/2014	Description date:	23/03/2014
		To:	21/03/2014		

Collar

Azimuth:	330.0°
Dip:	-50.0°
Length:	542.80 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,714.381
North	0.0	0.000	5,331,390.865
Elevation	0.0	0.000	344.037

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	330.0°	-50.0°	No	
ReflexEZS	36.00	332.8°	-50.9°	No	Mag = 56757
ReflexEZS	96.00	337.8°	-49.8°	No	Mag = 56545
ReflexEZS	156.00	342.1°	-49.2°	No	Mag = 56796
ReflexEZS	216.00	345.7°	-48.2°	No	Mag = 56610
ReflexEZS	276.00	347.6°	-47.8°	No	Mag = 55935
ReflexEZS	330.00	349.0°	-47.6°	No	Mag = 54714
ReflexEZS	396.00	345.7°	-47.0°	No	Mag = 55092
ReflexEZS	450.00	344.4°	-46.1°	No	Mag = 55326
ReflexEZS	510.00	346.6°	-44.5°	No	Mag = 55362
ReflexEZS	542.80	344.9°	-44.0°	No	Mag = 55873

Description

Logged by Ciara Cooke up to 266m. Re-Logged by Ciara Cooke in July 2014.

Core size: NQ Cemented: No Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	24.50	OVB **Overburden** Casing and overburden.						
24.50	35.75	V4; Per **Trachyte; PERLITIC** Pale beige with isolated pinky-red patches. Quenched glassy trachyte with perlitic texture and autobrecciation. Strong selective ankerite alteration with moderate to strong selective interstitial sericitization in btw weak to strongly potassic altered glassy trachyte fragments. Selective oxidization along few fracture planes. Few greyish qtz-ankerite veins as well as dispersed irregular ankerite veinlets. Sharp lower ctc with small raft of underlying flow top unit within btm metre. 0.1-0.5 pct fg vein associated py.						
24.50	35.75	Ank03; Se02; K01 **Ankerite 3; Sericite 2; Potassic 1** Strong selective ankerite alteration with moderate to strong sericitization. Weak to moderate selective potassic alteration.		24.50	25.50	Q284721	1.00	0.019
24.90	33.50	Vn;1%;Qak;Ra;;; **vein (5 mm - 10 cm) 1% quartz-ankerite random** Few select greyish qtz-ankerite veins. Beige ankerite veinlets irregular.		25.50	27.00	Q284722	1.50	0.031
				27.00	28.50	Q284723	1.50	0.065
				28.50	30.00	Q284724	1.50	0.022
				30.00	31.50	Q284727	1.50	0.036
				31.50	33.00	Q284728	1.50	0.01
				33.00	34.50	Q284729	1.50	<0.005
				34.50	36.00	Q284730	1.50	<0.005
35.75	44.10	V4; Hya **Trachyte 80°; Hyaloclastite** Pale beige with bright green tinge to med-dk brownish green. Flow top-chill margin with hyaloclastite textures. Very fg unit with moderate to strong selective ankerite alteration of glassy shards. Moderate to strong patchy and interstitial chloritization. Moderate to strong interstitial sericitization along with traces of fuchsite. Abundance of irregular white-grey ankerite veinlets roughly oriented within fabric of unit. Sharp ctcs. Trace to 0.2 pct fg py.						
35.75	44.10	Ank03; Cl02; Se02; Fu01 **Ankerite 3; Chlorite 2; Sericite 2; Fuchsite 1** Strong selective ankerite alteration. Moderate selective dk green chl alteration. Moderate selective sericitization. Isolated very weak fuchsite.		36.00	37.50	Q284731	1.50	0.01
				37.50	39.00	Q284732	1.50	0.021
				39.00	40.50	Q284733	1.50	0.009
				40.50	42.00	Q284734	1.50	0.015
				42.00	43.50	Q284735	1.50	0.076
				43.50	45.00	Q284736	1.50	0.181
35.75	43.95	Vt;10%;Ak;Ra;;; **veinlet (1-5 mm) 10% ankerite random** Greyish-white ankerite veinlets. Irregular. Cross-cutting to parallel to rock fabric. Continuous throughout unit.						

Description			Assay				
			From	To	Sample number	Length	AuBest
44.10	83.85	V4; Per **Trachyte 60°; PERLITIC** Med red to greyish-mauve Trachyte. Glassy with quenched perlitic texture. Moderate to strong potassic alteration of glassy fragments with interstitial ankerite. Isolated patches of weak silicification accompanied with purple-greyish discolouration. Isolated patches of moderate magnetism towards lower ctc. Greyish-beige qtz-ankerite and ankerite veining. Isolated greyish calcite veining with fluorite incl. Sharp ctcs. 0.1 to 4 pct fg disseminated to clustered py. Traces of vein contolled chalcopyrite and molybdenite.					
44.10	86.40	K02; Ank02; Si01; Mgt01 **Potassic 2; Ankerite 2; Silica 1; Magnetite 1** Moderate to strong potassic alteration - dominant. Moderate to strong selective ankerite. Weak isolated patches of silicification - greyish discolouration. Trace moderate isolated magnetism.	45.00	46.50	Q284737	1.50	0.38
			46.50	48.00	Q284738	1.50	0.369
47.20	70.50	Vn;1%;Qak;Ra;;; **vein (5 mm - 10 cm) 1% quartz-ankerite random** Greyish qtz veins with ankerite incl. Purple to smoky-grey. Irregular.	48.00	49.50	Q284739	1.50	0.085
			49.50	51.00	Q284740	1.50	0.316
			51.00	52.50	Q284741	1.50	0.076
			52.50	54.00	Q284742	1.50	0.11
			54.00	55.50	Q284743	1.50	0.038
			55.50	57.00	Q284744	1.50	0.083
			57.00	58.50	Q284745	1.50	0.04
			58.50	60.00	Q284746	1.50	0.051
			60.00	61.50	Q284747	1.50	3.52
			61.50	63.00	Q284748	1.50	0.685
			63.00	64.50	Q284749	1.50	0.191
			64.50	66.00	Q284752	1.50	1.705
			66.00	67.50	Q284753	1.50	0.704
			67.50	69.00	Q284754	1.50	0.57
			69.00	70.50	Q284755	1.50	0.153
70.50	75.70	Vt;1%;Ak;Ra;;; **veinlet (1-5 mm) 1% ankerite random** Greyish-beige irregular ankerite veinlets with minor qtz and selective orangy-red incl.	70.50	72.00	Q284756	1.50	0.054
			72.00	73.50	Q284757	1.50	0.215
			73.50	75.00	Q284758	1.50	0.12
			75.00	76.50	Q284759	1.50	0.868
			76.50	78.00	Q284760	1.50	0.807
			78.00	79.50	Q284761	1.50	0.628
79.50	81.60	Vt;1%;Ak;Ra;;; **veinlet (1-5 mm) 1% ankerite random** Few beige ankerite veinlets. Irreglar. Trace incl of moly. Low angle tca.	79.50	81.00	Q284762	1.50	0.536
			81.00	82.50	Q284763	1.50	0.712
			82.50	84.00	Q284764	1.50	0.905

Description				Assay				
				From	To	Sample number	Length	AuBest
	82.85	83.85	Vn;35%;Ca;;;;					
			vein (5 mm - 10 cm) 35% calcite					
			Pinky-greyish calcite veining with fluorite incl.					
83.85		86.40	V4; Cry; Per					
			Trachyte 50°; CRYSTALRICH; PERLITIC					
			Med reddish to greyish-mauve Trachyte. Glassy groundmass with quenched perlitic texture. Moderate to strong potassic alteration of glassy fragments with interstitial ankerite. Patchy weak silicification accompanied with purple-greyish discolouration. Non magnetic. Crystal rich with 20-25 pct f-mg pink eu-subhedral feldspar phenos - lath to triclinic shaped - possible orthoclase. White-beige ankerite veining with pinky-red discolouration. Sharp ctcs with small crystal rich raft in overlying unit. 2 pct fg disseminated to clustered py.					
	83.85	86.40	Vt;2%;Qak;Ra;;;	84.00	85.50	Q284765	1.50	1.585
			veinlet (1-5 mm) 2% quartz-ankerite random	85.50	87.00	Q284766	1.50	0.219
			White to yellowy qtz-ankerite veinlets with selective pinky-red discolouration. Irregular and cross-cutting.					
86.40		87.45	V4; Hya					
			Trachyte 50°; Hyaloclastite					
			Pale beige to dk greenish-black. Flow top-chill margin with hyaloclastite textures. Very fg unit with moderate to strong selective ankerite alteration of glassy shards. Moderate to strong patchy and interstitial chloritization. Red to pink fragments of potassic altered trachyte. Irregular white-grey ankerite veinlets. Sharp but irregular ctcs. 2 pct fg py.					
	86.40	87.45	Ank02; Cl02; K02					
			Ankerite 2; Chlorite 2; Potassic 2					
			Moderate to strong selective ankerite alteration. Moderate to strong patches of dk green to black chl. Isolated fragments of moderate to strong potassic alteration.					
	86.40	89.20	Vt;1%;Ak;Ra;;;	87.00	88.50	Q284767	1.50	0.138
			veinlet (1-5 mm) 1% ankerite random					
			White-beige ankerite veinlets. Irregular.					
87.45		96.90	V4; Per					
			Trachyte; PERLITIC					
			Med red to greyish-mauve Trachyte. Glassy with quenched perlitic texture. Moderate to strong potassic alteration of glassy fragments with interstitial ankerite. Non magnetic. Trace f-mg purple-grey subhedral feldspar crystals. Irregular greyish to reddish veinlets with selective incl of chlacopyrite. Sharp upper ctc. Transitional lower ctc with patchy alteration. 1.5 to 10 pct fg disseminated to vein controlled py. Isolated chloritic chill margins with hyaloclastite textures and sharp irregular ctcs.					
	87.45	97.50	K02; Ank02; Cl01	88.50	90.00	Q284768	1.50	0.155
			Potassic 2; Ankerite 2; Chlorite 1	90.00	91.50	Q284769	1.50	0.115
			Moderate to strong selective potassic alteration. Moderate to strong selective ankerite. Weak isolated patches dk green to black chl.					
	91.50	93.30	Vt;1%;Qak;Ra;;;	91.50	93.00	Q284770	1.50	0.769
			veinlet (1-5 mm) 1% quartz-ankerite random	93.00	94.50	Q284771	1.50	2.72
			Greyish to reddish veinlets to hairlines. Selective conc incl of chalcopyrite.	94.50	96.00	Q284772	1.50	0.247

Description				Assay				
				From	To	Sample number	Length	AuBest
				96.00	97.50	Q284773	1.50	0.106
96.30		97.50	Vt;1%;Cl;Ra;;; **veinlet (1-5 mm) 1% chlorite random** Few dk green chl veinlets to hairlines. Oblique tca.					
96.90		101.60	V4; Cry; Per **Trachyte; CRYSTALRICH; PERLITIC** Pale green to greyish-mauve to pinky-red. Transitional unit. Crystal rich flow. Gradational ctc with underlying pyroclastic unit. Moderate selective ankerite alteration. Selective moderate potassic alteration. Selective interstitial sericitization with weak pale green chl. Selective weak silicification accompanied with purple-grey discolouration. Aphanitic glassy groundmass. F-mg eu-subhedral plag phenos in patches. Selective lithic clasts within silicified zone. Trace to 1pct fg py.					
97.50		100.07	Ank02; K02; Si01 **Ankerite 2; Potassic 2; Silica 1** Moderate to strong selective ankerite and potassic alteration. Weak to moderate patchy silicification accompanied by greyish-purple discolouration.					
97.50		100.07	Vt;2%;Qak;Ra;;; **veinlet (1-5 mm) 2% quartz-ankerite random** White to grey ankerite-qtz veinlets. Irregular. Tension gashes.	97.50 99.00	99.00 100.50	Q284774 Q284777	1.50 1.50	0.087 0.082
100.07		116.45	Ank02; Se02; Cl01 **Ankerite 2; Sericite 2; Chlorite 1** Moderate to strong selective ankerite alteration. Moderate selective sericitization. Weak interstitial light green chl alteration.	100.50	102.00	Q284778	1.50	0.17
100.70		116.45	Vn;2%;Qak;Ra;;; **vein (5 mm - 10 cm) 2% quartz-ankerite random** Orangy-pink altered qtz-ankerite veining. Irregular with isolated stockworks.					
101.60		116.45	V4; PyroTuff; Cry **Trachyte; PYROCLASTIC (TUFFACEOUS); CRYSTALRICH** Pale greyish to yellowy green. Trachytic tuff. Fg groundmass with moderate interstitial ankerite-sericite alteration. Weak interstitial pale green chl alteration. Weak isolated potassic alteration of glassy fragments. Selective f-mg subhedral feldspar crystals. Pale greyish-beige ankerite altered pumice fragments elongated oblique tca forming pervasive stretch lineation. Qtz-ankerite veining with orangy-red discolouration. Selective dk green chl veinlet network. Trace fg py.					
101.60		116.45	Stg **Stretched grains/features 55°** Pumice and fragments elongated oblique tca.	102.00 103.50 105.00 106.50 108.00 109.50 111.00	103.50 105.00 106.50 108.00 109.50 111.00 112.50	Q284779 Q284780 Q284781 Q284782 Q284783 Q284784 Q284785	1.50 1.50 1.50 1.50 1.50 1.50 1.50	0.021 <0.005 0.008 0.03 <0.005 <0.005 0.016

Description				Assay				
				From	To	Sample number	Length	AuBest
				112.50	114.00	Q284786	1.50	<0.005
				114.00	115.50	Q284787	1.50	<0.005
				115.50	117.00	Q284788	1.50	0.013
116.45	121.80		V4; Vol; Lithic **Trachyte 50°; VOLCANICLASTIC; LITHIC** Patchy med red and pale to dk greenish-grey. Fg glassy groundmass with weak to moderate ankerite alteration as well as localized interstitial sericite and patchy dk green to black chl. Fine to coarse sub-angular to rounded fragments of deep red potassic altered glassy trachyte flow with perlitic texture. Fragments are supported within groundmass. Dk green chl veinlets cross-cutting fragments in selected networks. Trace to 1pct fg py conc in groundmass. Sharp ctcs.					
	116.45	121.80	K03; Ank02; Se01; Cl01 **Potassic 3; Ankerite 2; Sericite 1; Chlorite 1** Slective fragments with strong potassic alteration. Weak to moderate selective interstitial ankerite. Weak to moderate localized interstitial sericite. Patches of dk green to black chl alteration.					
	116.45	130.75	Vt;2%;Cl;Ra;;; **veinlet (1-5 mm) 2% chlorite random** Dk green chl veinlets. Cross-cutting. Isolated greyish qtz incl. Few selective ankerite veinlets.	117.00	118.50	Q284789	1.50	0.56
				118.50	120.00	Q284790	1.50	0.083
				120.00	121.50	Q284791	1.50	0.015
				121.50	123.00	Q284792	1.50	<0.005
121.80	139.60		V4; Lithic; Per **Trachyte 70°; LITHIC; PERLITIC** Med brick red trachytic flow. Massive. Glassy aphanitic groundmass with perlitic texture. Intense pervasive potassic alteration. Weak selective ankerite alteration inbetween glassy fragments. Fg to f-mg subhedral beige ankerite altered feldspar crystals. 5 to 15 pct deep red lithic fragments within flow. Milky greyish-white ankerite veining with minor qtz. Dk green chloritic veinlets. Massive white qtz vein with trace incl of ankerite and dk green chl defining lower ctc. Trace to 0.5 pct fg py.					
	121.80	139.60	K03; Ank01; Cl01 **Potassic 3; Ankerite 1; Chlorite 1** Intense pervasive potassic alteration. Weak interstitial ankerite aliteration. Isolated patches and fragments as well as veinlets of dk green chl.	123.00	124.50	Q284793	1.50	0.009
				124.50	126.00	Q284794	1.50	<0.005
				126.00	127.50	Q284795	1.50	0.025
				127.50	129.00	Q284796	1.50	0.03
				129.00	130.50	Q284797	1.50	0.014
				130.50	132.00	Q284798	1.50	0.116
	131.00	138.20	Vn;4%;Qak;Ra;;; **vein (5 mm - 10 cm) 4% quartz-ankerite random** Greyish to milky-white ankerite-qtz veining. Dominantly ankerite. Irregular. Selective dk green chl rimming. 1 pct dk green chl veinlets.	132.00	133.50	Q284799	1.50	0.016
				133.50	135.00	Q284802	1.50	0.01
				135.00	136.50	Q284803	1.50	0.012
				136.50	138.00	Q284804	1.50	0.363
				138.00	139.50	Q284805	1.50	0.013
	138.20	139.60	Vm;25%;Qtz;Ra;;;	139.50	141.00	Q284806	1.50	0.04

Description			Assay				
			From	To	Sample number	Length	AuBest
		major vein (10 cm or greater) 25% white quartz random					
		Lg white to greyish qtz veining with minor ankerite and trace dk green chl. Trace clustered incl of py and moly.					
139.60	143.05	V4; Cry					
		Trachyte 70°; CRYSTALRICH					
		Pale to med pinky-grey crystal rich trachyte. Moderate potassic alteration of glassy groundmass. Weak to moderate selective ankerite alteration. Crowded texture with 35 to 45 pct f-mg pinky-greyish eu-subhedral feldspar crystals. Few greyish-beige qtz-ankerite veinlets. Sharp ctc with slight decrease in crystal content and increased potassic intensity at both ends - possible chill margins. Trace fg disseminated py.					
139.60	143.05	Ank02; K02	141.00	142.50	Q284807	1.50	0.024
		Ankerite 2; Potassic 2	142.50	144.00	Q284808	1.50	0.015
		Moderate selective potassic and ankerite alteration.					
142.95	149.50	Vn;3%;Qac;Ra;;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random					
		White-beige ankerite veining with selective greyish qtz and dk green chl rimming. 1-2pct dk green chl veinlets.					
143.05	317.60	V4; Lithic; Cry; Per	144.00	145.50	Q284809	1.50	0.011
		Trachyte 60°; LITHIC; CRYSTALRICH; PERLITIC	145.50	147.00	Q284810	1.50	0.007
		Med brick red trachytic flow. Massive. Glassy aphanitic groundmass with perlitic texture. Intense pervasive potassic alteration. Weak to moderate ankerite alteration inbetween glassy fragments. 5 up to 20 pct deep to med red fine to coarse angular and blocky lithic fragments suspended within flow - autobrecciation. Selective patches of flow as well as selective fragments are crystal rich with up to 25 pct pinky-white to greyish eu-subhedral feldspar crystals. Non magnetic. Isolated massive milky greyish-white ankerite vein with brecciated angular incl of wall rock. Qtz-ankerite and dk green chl veins to veinlets with selective specular hematite. Dk green chl veinlets throughout unit. Trace to 1.5 pct fg py. Isolated vein controlled blebs of chalcopyrite and molybdenite. Sharp ctcs. 6m of coarse lithic dominated trachyte with patchy alteration at lower ctc.	147.00	148.50	Q284811	1.50	0.051
			148.50	150.00	Q284812	1.50	0.019
143.05	149.00	K03; Ank01; Cl01					
		Potassic 3; Ankerite 1; Chlorite 1					
		Intense pervasive potassic alteration. Weak selective interstitial ankerite. Trace isolated fragments and veinlets of dk green chl.					
149.00	159.00	K02; Ank02; Si01					
		Potassic 2; Ankerite 2; Silica 1					
		Moderate to strong potassic alteration. Weak to moderate selective interstitial ankerite. Isolated patches of weak silicification.					
150.00	151.50	Vn;2%;Sgq;Ra;;;	150.00	151.50	Q284813	1.50	0.021
		vein (5 mm - 10 cm) 2% smoky grey quartz random	151.50	153.00	Q284814	1.50	0.038
		Greyish qtz veins. Oblique tca.					
151.75	153.86	Vm;50%;Ak;Ra;;;	153.00	154.50	Q284815	1.50	0.014
		major vein (10 cm or greater) 50% ankerite random					
		Milky greyish-white massive ankerite veining. Minor greyish qtz incl. Minor angular fragmented incl of					

Description			Assay				
			From	To	Sample number	Length	AuBest
		wall rock.					
153.86	163.40	Vt;1%;Qak;Ra;;;	154.50	156.00	Q284816	1.50	0.024
		veinlet (1-5 mm) 1% quartz-ankerite random	156.00	157.50	Q284817	1.50	0.021
		Greyish-white qtz-ankerite veinlets with trace incl of chalco and moly. Dk green chloritic veinlets.	157.50	159.00	Q284818	1.50	0.045
159.00	168.00	K03; Ank01; Cl01	159.00	160.50	Q284819	1.50	0.028
		Potassic 3; Ankerite 1; Chlorite 1	160.50	162.00	Q284820	1.50	0.057
		Intense pervasive potassic alteration. Weak selective interstitial ankerite. Isolated weak dk green chl	162.00	163.50	Q284821	1.50	0.041
		alteration in patches and veinlets.	163.50	165.00	Q284822	1.50	0.214
164.00	164.35	Vn;50%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 50% quartz-ankerite random					
		Large white qtz vein with yellowy-beige ankerite at core. Brecciated angular fragments of wall rock.					
164.35	177.12	Vt;4%;Qac;Ra;;;	165.00	166.50	Q284823	1.50	0.047
		veinlet (1-5 mm) 4% quartz-ankerite-chlorite random	166.50	168.00	Q284824	1.50	0.01
		White to greyish and dk green qtz-ankerite-chl veins to veinlets. Cross-cutting. Oblique tca.					
168.00	177.60	K03; Ank02	168.00	169.50	Q284827	1.50	0.013
		Potassic 3; Ankerite 2	169.50	171.00	Q284828	1.50	0.013
		Strong potassic alteration. Moderate selective ankerite.	171.00	172.50	Q284829	1.50	0.009
			172.50	174.00	Q284830	1.50	0.108
			174.00	175.50	Q284831	1.50	<0.005
			175.50	177.00	Q284832	1.50	0.028
			177.00	178.50	Q284833	1.50	0.006
177.12	183.45	Vn;5%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite random					
		Milky greyish-white ankerite to qtz-ankerite veining. Isolated dk grey qtz vein with chl incl and brecciated					
		incl of wall rock.					
177.60	182.02	Ank03; K02	178.50	180.00	Q284834	1.50	<0.005
		Ankerite 3; Potassic 2	180.00	181.50	Q284835	1.50	0.006
		Strong selective ankerite alteration. Moderate to strong selective potassic alteration.	181.50	183.00	Q284836	1.50	0.01
182.02	312.90	K03; Ank02	183.00	184.50	Q284837	1.50	0.012
		Potassic 3; Ankerite 2					
		Strong pervasive potassic alteration. Moderate selective ankerite.					
183.45	213.80	Vn;4%;Qac;Ra;;Hem Cp;	184.50	186.00	Q284838	1.50	0.025
		vein (5 mm - 10 cm) 4% random SPECULARITE Chalcopyrite	186.00	187.50	Q284839	1.50	0.017
		Grey qtz veinlets and veins with incl of dk green chl and minor white ankerite. Selective incl of	187.50	189.00	Q284840	1.50	0.021
		specularite. Veins are cross-cutting and oriented parallel to perpendicular and oblique tca. Trace blebs	189.00	190.50	Q284841	1.50	0.027
		of chalcopyrite.	190.50	192.00	Q284842	1.50	0.043

Description			Assay				
			From	To	Sample number	Length	AuBest
			192.00	193.50	Q284843	1.50	0.008
			193.50	195.00	Q284844	1.50	0.017
			195.00	196.50	Q284845	1.50	0.021
			196.50	198.00	Q284846	1.50	0.059
			198.00	199.50	Q284847	1.50	0.006
			199.50	201.00	Q284848	1.50	0.012
			201.00	202.50	Q284849	1.50	0.014
			202.50	204.00	Q284852	1.50	0.007
			204.00	205.50	Q284853	1.50	<0.005
			205.50	207.00	Q284854	1.50	<0.005
			207.00	208.50	Q284855	1.50	0.005
			208.50	210.00	Q284856	1.50	0.013
			210.00	211.50	Q284857	1.50	0.011
			211.50	213.00	Q284858	1.50	<0.005
			213.00	214.50	Q284859	1.50	0.005
213.80	238.10	Vn;1%;Ak;Ra;;;	214.50	216.00	Q284860	1.50	0.032
		vein (5 mm - 10 cm) 1% ankerite random	216.00	217.50	Q284861	1.50	0.034
		Milky greyish-white ankerite veining with minor qtz incl. 1-2 pct dk green chl as well as pinky-grey	217.50	219.00	Q284862	1.50	0.022
		qtz-ankerite veinlets.	219.00	220.50	Q284863	1.50	0.009
			220.50	222.00	Q284864	1.50	<0.005
			222.00	223.50	Q284865	1.50	0.014
			223.50	225.00	Q284866	1.50	0.01
			225.00	226.50	Q284867	1.50	<0.005
			226.50	228.00	Q284868	1.50	<0.005
			228.00	229.50	Q284869	1.50	<0.005
			229.50	231.00	Q284870	1.50	<0.005
			231.00	232.50	Q284871	1.50	0.069
			232.50	234.00	Q284872	1.50	0.124
			234.00	235.50	Q284873	1.50	0.015
			235.50	237.00	Q284874	1.50	<0.005
			237.00	238.50	Q284877	1.50	0.005
			238.50	240.00	Q284878	1.50	<0.005
238.90	250.55	Vn;2%;Qac;Ra;;;	240.00	241.50	Q284879	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random	241.50	243.00	Q284880	1.50	<0.005
		Greyish to dk green qtz-ankerite-chl veins and veinlets. Irregular qtz-ankerite veinlets as well as dk					

Description			Assay				
			From	To	Sample number	Length	AuBest
		green chl hairlines to veinlets.	243.00	244.50	Q284881	1.50	<0.005
			244.50	246.00	Q284882	1.50	<0.005
			246.00	247.50	Q284883	1.50	0.023
			247.50	249.00	Q284884	1.50	0.08
			249.00	250.50	Q284885	1.50	0.05
			250.50	252.00	Q284886	1.50	0.012
250.55	251.50	Vn;20%;Ak;Ra;;;					
		vein (5 mm - 10 cm) 20% ankerite random					
		Milky greyish-white lg ankerite veins with minor qtz and dk green chl rimming.					
251.50	276.00	Vn;3%;Qac;Ra;;Hem;	252.00	253.50	Q284887	1.50	0.007
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random SPECULARITE	253.50	255.00	Q284888	1.50	0.007
		White to grey with dk green qtz-ankerite chl veining. Few larger veins with fragmented wall rock incl.	255.00	256.50	Q284889	1.50	0.017
		Irregular veinlets with incl of hematite.	256.50	258.00	Q284890	1.50	0.009
			258.00	259.50	Q284891	1.50	0.006
			259.50	261.00	Q284892	1.50	0.008
			261.00	262.50	Q284893	1.50	0.012
			262.50	264.00	Q284894	1.50	0.019
			264.00	265.50	Q284895	1.50	0.008
			265.50	267.00	Q284896	1.50	0.019
			267.00	268.50	Q284897	1.50	0.019
			268.50	270.00	Q284898	1.50	0.068
			270.00	271.50	Q284899	1.50	<0.005
			271.50	273.00	Q284902	1.50	0.012
			273.00	274.50	Q284903	1.50	0.005
			274.50	276.00	Q284904	1.50	<0.005
276.00	278.30	Vn;5%;Ak;Ra;;;	276.00	277.50	Q284905	1.50	0.005
		vein (5 mm - 10 cm) 5% ankerite random	277.50	279.00	Q284906	1.50	0.02
		Greyish to milky-white ankerite veining with minor qtz and selective dk green chl rimming.					
278.30	310.00	Vt;2%;Qac;Ra;;Hem;	279.00	280.50	Q284907	1.50	0.01
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random SPECULARITE	280.50	282.00	Q284908	1.50	<0.005
		Greyish-white to dk green qtz-ankerite-chl veinlets. Few veins. Irregular and cross-cutting. Oblique tca.	282.00	283.50	Q284909	1.50	<0.005
		Selective incl of hematite.	283.50	285.00	Q284910	1.50	0.026
			285.00	286.50	Q284911	1.50	0.02
			286.50	288.00	Q284912	1.50	0.029
			288.00	289.50	Q284913	1.50	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
			289.50	291.00	Q284914	1.50	0.579
			291.00	292.50	Q284915	1.50	0.027
			292.50	294.00	Q284916	1.50	<0.005
			294.00	295.50	Q284917	1.50	<0.005
			295.50	297.00	Q284918	1.50	0.014
			297.00	298.50	Q284919	1.50	0.036
			298.50	300.00	Q284920	1.50	0.008
			300.00	301.50	Q284921	1.50	0.009
			301.50	303.00	Q284922	1.50	<0.005
			303.00	304.50	Q284923	1.50	0.011
			304.50	306.00	Q284924	1.50	0.006
			306.00	307.50	Q284927	1.50	<0.005
			307.50	309.00	Q284928	1.50	0.007
			309.00	310.50	Q284929	1.50	<0.005
310.30	314.60	Vt;;Ak;Ra;;;	310.50	312.00	Q284930	1.50	<0.005
		veinlet (1-5 mm) ankerite random	312.00	313.50	Q284931	1.50	0.197
		Orangy-beige ankerite veinlets. Irregular and oblique tca.					
312.90	317.60	K02; Ank02; Se01	313.50	315.00	Q284932	1.50	<0.005
		Potassic 2; Ankerite 2; Sericite 1	315.00	316.50	Q284933	1.50	0.013
		Moderate selective potassic alteration of fragments and groundmass. Moderate selective ankerite alteration of groundmass. Selective weak interstitial sericite.	316.50	318.00	Q284934	1.50	0.008
317.60	511.65	V4; PyroTuff					
		Trachyte 40°; PYROCLASTIC (TUFFACEOUS)					
		Pale to med greyish-green. Tuffaceous trachyte with fine to med-coarse pyroclastic fragments selectively elongated within foliation. Fragments are beige to pink and locally potassic altered and glassy with feldspar recrystallized amygdules. Strong ankerite with moderate to strong interstitial sericitization at upper ctc transitioning to chl-calcite alteration downhole. Moderate pervasive magnetism - f-mg and disseminated. Fg groundmass. Weak to moderate patchy foliation. Trace isolated patches of white-beige f-mg subhedral feldspar crystals. Isolated development of S-C fabrics. White to yellowy-beige ankerite-qtz-chl veining with undulose and irregular morphologies- folded within fabric of wall rock with selective pegmatitic textures. Pink calcite veining within chloritized zone. Trace to 0.5 pct fg py disseminated to vein controlled.					
317.60	406.50	Ank03; Se02; Mgt02; Cl01; Fu00					
		Ankerite 3; Sericite 2; Magnetite 2; Chlorite 1; Fuchsite 0					
		Strong selective ankerite alteration. Moderate interstitial sericitization. Moderate pervasive disseminated magnetite. Weak to moderate pervasive-interstitial pale to med green chl alteration. Trace isolated very weak fuchsite at 367.5m.					
317.85	324.50	Vt;2%;Ak;Vn;;;	318.00	319.50	Q284935	1.50	<0.005
		veinlet (1-5 mm) 2% ankerite vein parallel to foliation	319.50	321.00	Q284936	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Milky greyish-white ankerite veining with minor qtz and trace chl incl. Undulose and irregular veins folded within fabric of wall rock. Wormy appearance. Few dk green chl-qtz-ankerite veinlets.	321.00	322.50	Q284937	1.50	<0.005
			322.50	324.00	Q284938	1.50	<0.005
			324.00	325.50	Q284939	1.50	<0.005
			325.50	327.00	Q284940	1.50	<0.005
325.55	327.85	Vt;1%;Cl;Vn;;;	327.00	328.50	Q284941	1.50	<0.005
		veinlet (1-5 mm) 1% chlorite vein parallel to foliation	328.50	330.00	Q284942	1.50	<0.005
		Dk green chloritic veinlets with trace qtz and ankerite. Oblique tca.	330.00	331.50	Q284943	1.50	<0.005
			331.50	333.00	Q284944	1.50	<0.005
			333.00	334.50	Q284945	1.50	0.005
			334.50	336.00	Q284946	1.50	<0.005
			336.00	337.50	Q284947	1.50	0.006
336.50	357.60	Vn;1%;Ak;Vn;;;	337.50	339.00	Q284948	1.50	0.01
		vein (5 mm - 10 cm) 1% ankerite vein parallel to foliation	339.00	340.50	Q284949	1.50	<0.005
		Milky greyish-white ankerite veining with minor qtz and trace chl incl. Undulose and irregular veins folded within fabric of wall rock. Wormy appearance.	340.50	342.00	Q284952	1.50	<0.005
			342.00	343.50	Q284953	1.50	<0.005
			343.50	345.00	Q284954	1.50	0.005
			345.00	346.50	Q284955	1.50	0.006
			346.50	348.00	Q284956	1.50	0.006
			348.00	349.50	Q284957	1.50	0.005
			349.50	351.00	Q284958	1.50	0.007
			351.00	352.50	Q284959	1.50	0.005
			352.50	354.00	Q284960	1.50	<0.005
			354.00	355.50	Q284961	1.50	0.006
			355.50	357.00	Q284962	1.50	<0.005
			357.00	358.50	Q284963	1.50	0.005
358.15	364.55	Vn;10%;Qak;Vn;;;	358.50	360.00	Q284964	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite vein parallel to foliation	360.00	361.50	Q284965	1.50	0.005
		Milky greyish-white ankerite-qtz veining with trace chl incl. Undulose and irregular veins folded within fabric of wall rock. Wormy appearance. Selective yellowy disolouration of ankerite and pinkish tinge for qtz. Selective pegmatitic texture.	361.50	363.00	Q284966	1.50	<0.005
			363.00	364.50	Q284967	1.50	<0.005
			364.50	366.00	Q284968	1.50	0.007
			366.00	367.50	Q284969	1.50	<0.005
			367.50	369.00	Q284970	1.50	0.005
			369.00	370.50	Q284971	1.50	<0.005
			370.50	372.00	Q284972	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
370.95	374.25	Vn;7%;Qak;Vn;;; **vein (5 mm - 10 cm) 7% quartz-ankerite vein parallel to foliation** Milky greyish-white ankerite-qtz veining with trace chl incl. Undulose and irregular veins folded within fabric of wall rock.	372.00	373.50	Q284973	1.50	0.027
			373.50	375.00	Q284974	1.50	0.023
			375.00	376.50	Q284977	1.50	<0.005
			376.50	378.00	Q284978	1.50	<0.005
			378.00	379.50	Q284979	1.50	<0.005
			379.50	381.00	Q284980	1.50	0.006
			381.00	382.50	Q284981	1.50	<0.005
			382.50	384.00	Q284982	1.50	<0.005
			384.00	385.50	Q284983	1.50	<0.005
			385.50	387.00	Q284984	1.50	0.01
			387.00	388.50	Q284985	1.50	0.007
			388.50	390.00	Q284986	1.50	0.006
			390.00	391.50	Q284987	1.50	0.007
			391.50	393.00	Q284988	1.50	0.006
			393.00	394.50	Q284989	1.50	0.007
			394.50	396.00	Q284990	1.50	<0.005
396.00	397.00	Vn;5%;Qak;Vn;;; **vein (5 mm - 10 cm) 5% vein parallel to foliation** Milky greyish-white to yellowy ankerite-qtz veining with trace chl incl. Undulose and irregular veins folded within fabric of wall rock. Wormy appearance.	396.00	397.50	Q284991	1.50	0.007
			397.50	399.00	Q284992	1.50	<0.005
			399.00	400.50	Q284993	1.50	<0.005
			400.50	402.00	Q284994	1.50	<0.005
			402.00	403.50	Q284995	1.50	<0.005
			403.50	405.00	Q284996	1.50	<0.005
			405.00	406.50	Q284997	1.50	<0.005
406.50	413.00	Ank03; Se02; Mgt02; Cl01; K01 **Ankerite 3; Sericite 2; Magnetite 2; Chlorite 1; Potassic 1** Strong selective ankerite alteration. Moderate interstitial sericitization. Moderate pervasive disseminated magnetite. Weak to moderate pervasive-interstitial pale to med green chl alteration. Weak selective potassic alteration.	406.50	408.00	Q284998	1.50	<0.005
			408.00	409.50	Q284999	1.50	<0.005
			409.50	411.00	Q287002	1.50	0.009
			411.00	412.50	Q287003	1.50	0.011
			412.50	414.00	Q287004	1.50	0.009
413.00	442.00	Ank03; Se02; Mgt02; Cl01 **Ankerite 3; Sericite 2; Magnetite 2; Chlorite 1** Strong selective ankerite alteration. Moderate interstitial sericitization. Moderate pervasive disseminated magnetite. Weak to moderate pervasive-interstitial pale to med green chl alteration.	414.00	415.50	Q287005	1.50	<0.005
			415.50	417.00	Q287006	1.50	<0.005
			417.00	418.50	Q287007	1.50	<0.005
			418.50	420.00	Q287008	1.50	<0.005
			420.00	421.50	Q287009	1.50	<0.005
			421.50	423.00	Q287010	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			423.00	424.50	Q287011	1.50	<0.005
			424.50	426.00	Q287012	1.50	<0.005
			426.00	427.50	Q287013	1.50	<0.005
			427.50	429.00	Q287014	1.50	<0.005
			429.00	430.50	Q287015	1.50	<0.005
			430.50	432.00	Q287016	1.50	<0.005
			432.00	433.50	Q287017	1.50	<0.005
			433.50	435.00	Q287018	1.50	<0.005
			435.00	436.50	Q287019	1.50	<0.005
			436.50	438.00	Q287020	1.50	<0.005
			438.00	439.50	Q287021	1.50	<0.005
			439.50	441.00	Q287022	1.50	<0.005
			441.00	442.50	Q287023	1.50	<0.005
442.00	451.00	Cl02; Mgt02; Se02; Ank01	442.50	444.00	Q287024	1.50	<0.005
		Chlorite 2; Magnetite 2; Sericite 2; Ankerite 1					
		Moderate med green chl alteration. Moderate disseminated magnetite. Weak to moderate interstitial sericite. Weak to moderate selective ankerite alteration.					
443.40	473.90	Vn;1%;Qca;Vn;;;	444.00	445.50	Q287027	1.50	<0.005
		vein (5 mm - 10 cm) 1% quartz-calcite vein parallel to foliation	445.50	447.00	Q287028	1.50	<0.005
		Greyish-white to pink qtz-calcite veining. Parallel to as well as cross-cutting foliation.	447.00	448.50	Q287029	1.50	<0.005
			448.50	450.00	Q287030	1.50	<0.005
			450.00	451.50	Q287031	1.50	<0.005
451.00	485.85	Cl03; Mgt02; Ca02; Se01	451.50	453.00	Q287032	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2; Sericite 1	453.00	454.50	Q287033	1.50	<0.005
		Strong pervasive chl alteration. Moderate disseminated magnetite. Weak to moderate selective calcite alteration. Weak isolated wispy and interstitial sericite.	454.50	456.00	Q287034	1.50	<0.005
			456.00	457.50	Q287035	1.50	<0.005
			457.50	459.00	Q287036	1.50	<0.005
			459.00	460.50	Q287037	1.50	<0.005
			460.50	462.00	Q287038	1.50	<0.005
			462.00	463.50	Q287039	1.50	<0.005
			463.50	465.00	Q287040	1.50	<0.005
			465.00	466.50	Q287041	1.50	<0.005
			466.50	468.00	Q287042	1.50	0.008
			468.00	469.50	Q287043	1.50	0.01
			469.50	471.00	Q287044	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			471.00	472.50	Q287045	1.50	<0.005
			472.50	474.00	Q287046	1.50	0.005
			474.00	475.50	Q287047	1.50	0.012
			475.50	477.00	Q287048	1.50	<0.005
			477.00	478.50	Q287049	1.50	0.012
			478.50	480.00	Q287052	1.50	0.009
			480.00	481.50	Q287053	1.50	<0.005
			481.50	483.00	Q287054	1.50	0.01
			483.00	484.50	Q287055	1.50	0.008
			484.50	486.00	Q287056	1.50	<0.005
485.85	495.00	Cl03; Mgt02; Se01; Ank01; Ca01	486.00	487.50	Q287057	1.50	<0.005
		Chlorite 3; Magnetite 2; Sericite 1; Ankerite 1; Calcite 1	487.50	489.00	Q287058	1.50	<0.005
		Strong med green chl alteration. Moderate disseminated magnetite. Weak interstitial sericite-ankerite	489.00	490.50	Q287059	1.50	<0.005
		alteration. Weak selective calcite alteration.	490.50	492.00	Q287060	1.50	<0.005
			492.00	493.50	Q287061	1.50	0.005
485.85	492.65	Vn;3%;Qac;Vn;;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite vein parallel to foliation					
		Beige ankerite veining with minor qtz incl and dk green chl rimming.					
492.92	493.20	Vn;35%;Qak;Vc;;;	493.50	495.00	Q287062	1.50	<0.005
		vein (5 mm - 10 cm) 35% quartz-ankerite vein cross-cutting foliation					
		Pinky-white to beige qtz-ankerite vein cross-cutting foliation. Pegmatitic texture.					
494.30	495.40	Vn;15%;Qak;Vn;;;					
		vein (5 mm - 10 cm) 15% quartz-ankerite vein parallel to foliation					
		Pink to yellowy-beige ankerite-qtz veins.					
495.00	508.00	Cl03; Mgt02; Ca02	495.00	496.50	Q287063	1.50	0.006
		Chlorite 3; Magnetite 2; Calcite 2	496.50	498.00	Q287064	1.50	0.014
		Strong pervasive med green chl alteration. Moderate disseminated magnetite. Weak to moderate					
		interstitial calcite alteration.					
497.80	499.00	Vn;3%;Qca;Vn;;;	498.00	499.50	Q287065	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-calcite vein parallel to foliation	499.50	501.00	Q287066	1.50	0.007
		Pink calcite veining with qtz incl.	501.00	502.50	Q287067	1.50	0.006
			502.50	504.00	Q287068	1.50	0.006
			504.00	505.50	Q287069	1.50	0.005
			505.50	507.00	Q287070	1.50	0.007
			507.00	508.50	Q287071	1.50	0.008
507.63	541.40	Vt;2%;Ca;Vn;;;					

Description			Assay				
			From	To	Sample number	Length	AuBest
		veinlet (1-5 mm) 2% calcite vein parallel to foliation					
		White to pink calcite veins and veinlets. Isolated orangy-red incl of barite.					
508.00	511.65	Cl03; Mgt02; Ca02; K01	508.50	510.00	Q287072	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2; Potassic 1	510.00	511.50	Q287073	1.50	<0.005
		Strong pervasive chl alteration. Moderate disseminated magnetite. Weak to moderate selective interstitial calcite. Weak to moderate selective potassic alteration.	511.50	513.00	Q287074	1.50	0.006
511.65	542.80	V4; Tuff					
		Trachyte 50°; TUFF					
		Med to dk green trachytic tuff. Fg strongly chloritized groundmass. F-mg disseminated magnetite. Moderate interstitial calcite alteration. Weak pervasive foliation. Greyish-white calcite veining typically within foliation with selective orangy-red clayey incl. Traces of fg py. Transitional upper ctc.					
511.65	542.80	Cl03; Mgt02; Ca02	513.00	514.50	Q287077	1.50	0.005
		Chlorite 3; Magnetite 2; Calcite 2	514.50	516.00	Q287078	1.50	<0.005
		Strong pervasive chl alteration. Moderate pervasive-disseminated magnetite. Moderate selective interstitial calcite alteration.	516.00	517.50	Q287079	1.50	<0.005
			517.50	519.00	Q287080	1.50	<0.005
			519.00	520.50	Q287081	1.50	0.005
			520.50	522.00	Q287082	1.50	<0.005
			522.00	523.50	Q287083	1.50	<0.005
			523.50	525.00	Q287084	1.50	<0.005
			525.00	526.50	Q287085	1.50	0.007
			526.50	528.00	Q287086	1.50	<0.005
			528.00	529.50	Q287087	1.50	<0.005
			529.50	531.00	Q287088	1.50	0.017
			531.00	532.50	Q287089	1.50	<0.005
			532.50	534.00	Q287090	1.50	<0.005
			534.00	535.50	Q287091	1.50	<0.005
			535.50	537.00	Q287092	1.50	<0.005
			537.00	538.50	Q287093	1.50	<0.005
			538.50	540.00	Q287094	1.50	<0.005
			540.00	541.50	Q287095	1.50	<0.005
			541.50	542.80	Q287096	1.30	<0.005
542.80	**End of DDH**						
	Number of samples: 346						
	Number of QAQC samples: 30						
	Total sampled length: 518.30						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_49

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Gilles Kamta	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	08/03/2014	Description date:	15/03/2014
		To:	14/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 465.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,200.222
North	0.0	0.000	5,331,241.073
Elevation	0.0	0.000	337.296

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	78.00	5.4°	-54.2°	No	Mag = 54510
ReflexEZS	138.00	1.0°	-53.6°	No	Mag = 55309
ReflexEZS	198.00	358.6°	-53.1°	No	Mag = 53210
ReflexEZS	258.00	1.7°	-53.4°	No	Mag = 54500
ReflexEZS	318.00	7.8°	-53.1°	No	Mag = 54774
ReflexEZS	378.00	2.2°	-52.3°	No	Mag = 55055
ReflexEZS	438.00	1.9°	-51.5°	No	Mag = 55031

Description

The bloc 138 was at 135 m We move at the good place. We adjust the blocs until the end 465 instead of 468.
Completely relogged at july 15 2014 by Gilles Kamta

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	66.30	OVB **Overburden** Overborden The bloc 138 was at 135 m We move at the good place. We adjust the blocs until the end 465 instead of 468.					
66.30	81.35	4U **Ultramafic** Dark greenish grey aphanitic massive ultramafic rock intersects by 50 cm mafic intrusion (gabbro). The unit starts with 20 cm dark grey silicified intrusion with presence of gost phenos. The unit has fractures and localized fault gauge. It is strongly magnetic and altered to pervasive intense calcite, pervasive talc and chlorite, pyrite in trace. The ultramafic is intersect by a massive fine grained trachyte with vuggy veinlets. Is silicified and altered to calcite, mineralization consist of traces of pyrite. The lower contact is weakly deformed with “peperithic texture" (78-81.35 m).					
66.30	81.35	Ca03; Cl02; Talc02 **Calcite 3; Chlorite 2; Talc 2** Pervasive intense calcite, moderate to strong chlorite and talc	66.30	67.50	Q283365	1.20	<0.005
66.30	67.50	Py00.1 **Pyrite 0.1%** traces					
66.30	76.00	Vn;2%;Sgq;In;70°;; **vein (5 mm - 10 cm) 2% smoky grey quartz infilled fractures 70°** calcite veins					
67.50	69.00	Py00.1 **Pyrite 0.1%** traces	67.50	69.00	Q283366	1.50	<0.005
69.00	70.50	Py00.1 **Pyrite 0.1%** traces	69.00	70.50	Q283367	1.50	<0.005
70.50	72.00	Py00.1 **Pyrite 0.1%** traces	70.50	72.00	Q283368	1.50	<0.005
72.00	73.50	Py00.1 **Pyrite 0.1%** traces	72.00	73.50	Q283369	1.50	<0.005
73.50	75.00	Py00.1 **Pyrite 0.1%** traces	73.50	75.00	Q283370	1.50	<0.005
75.00	77.90	Gg; Jt **Fault gouge; Joint** fault gouge in joints	75.00	76.50	Q283371	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
75.00	76.50	Py00.1 **Pyrite 0.1%** traces					
76.50	78.00	Py00.2 **Pyrite 0.2%** traces of pyrite in a trachyte fragment	76.50	78.00	Q283372	1.50	<0.005
78.00	79.50	Py00.2 **Pyrite 0.2%** traces	78.00	79.50	Q283373	1.50	<0.005
79.50	81.00	Py00.2 **Pyrite 0.2%** traces	79.50	81.00	Q283374	1.50	<0.005
81.00	82.50	Py00.5 **Pyrite 0.5%** fine grained py disseminated	81.00	82.50	Q283377	1.50	0.113
81.35	101.35	V4; PyroBx; Pep; FIBand **Trachyte 80°; PYROCLASTIC (BRECCIA); PEPERITIC; FLOWBANDED** Medium grey overprinted light pink/reddish trachyte. The unit is a mix of trachyte flow, pyroclastic and probably fine grained magnetic sediments. The upper unit 81.35-84 m is more massive, grey overprinted pink with patchy brown color, altered to calcite and spotty moderate to intense magnetism. peperitic texture can locally be observe. The lower unit is brecciated and foliated (30-70 DTCA) with localized glassy and trachytic flow bedding and weak deformation. The fragments of different size 0.2-5 cm are rounded or sub euhedral (pyroclast) can be observed. Alteration consist of weak pervasive ankerite, dark and green chlorite, spotty potassic, some rare chlorite and specularite stringers veinlets // foliation. Late quartz ankerite veinlets and micro fault cut de foliation (40-80 DTCA). The entire unit is mineralized traces to 1% pyrite disseminated or in veins.					
81.35	84.00	Ca02; Cl02; Si01; Se01; Se **Calcite 2; Chlorite 2; Silica 1; Sericite 1; Sericite** intermittant calcite, moderate patchy silicification, moderate pervasive dark chlorite, weak sericite					
81.36	84.00	S3a; Pep **Wacke Altered 70°; PEPERITIC** Spotty magnetic dark fine grained sediments with peperitic texture					
82.50	84.00	Fln **Foliation 60°** isolated weak penetratif foliation					
82.50	84.00	Py01 **Pyrite 1%** fine grained pyrite	82.50	84.00	Q283378	1.50	0.075

Description			Assay				
			From	To	Sample number	Length	AuBest
84.00	101.50	Ank02; K02; Cl02; Si02 **Ankerite 2; Potassic 2; Chlorite 2; Silica 2** pervasive moderate ankerite, Weak to moderate potassic alteration, moderate dark chlorite, sericite stringers					
84.00	101.50	Fln; Bxh **Foliation 60°; Breccia healed** Moderate penetratif foliation and breccia					
84.00	85.50	Py00.5 **Pyrite 0.5%** fine grained					
84.00	126.00	Vn;2%;Qak;In;70°;Cp00.2 Py; **vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 70° Chalcopyrite 0.2% Pyrite** Quartz ankerite small veins	84.00	85.50	Q283379	1.50	0.107
85.50	87.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	85.50	87.00	Q283380	1.50	0.067
87.00	88.50	Py00.5 **Pyrite 0.5%** disseminated pyrite	87.00	88.50	Q283381	1.50	0.017
88.50	90.00	Py00.5 **Pyrite 0.5%** fine grained	88.50	90.00	Q283382	1.50	0.04
90.00	91.50	Py00.5 **Pyrite 0.5%** disseminated pyrite	90.00	91.50	Q283383	1.50	0.038
91.50	93.00	Py00.5; Cp00.2 **Pyrite 0.5%; Chalcopyrite 0.2%** disseminated pyrite, chalcopyrite in veins	91.50	93.00	Q283384	1.50	0.035
93.00	94.50	Py00.5; Hem00.2 **Pyrite 0.5%; SPECULARITE 0.2%** disseminated, specularite veinlet	93.00	94.50	Q283385	1.50	0.036
94.50	96.00	Py00.5; Cp00.2 **Pyrite 0.5%; Chalcopyrite 0.2%** disseminated	94.50	96.00	Q283386	1.50	0.024
96.00	97.50	Py00.5 **Pyrite 0.5%** disseminated	96.00	97.50	Q283387	1.50	0.036
97.50	99.00	Py00.5 **Pyrite 0.5%** disseminated	97.50	99.00	Q283388	1.50	0.111

Description				Assay				
				From	To	Sample number	Length	AuBest
99.00	100.50	Py01		99.00	100.50	Q283389	1.50	0.071
		Pyrite 1%						
		disseminated and parallel foliation						
100.50	102.00	Py01		100.50	102.00	Q283390	1.50	0.074
		Pyrite 1%						
		disseminated and parallel foliation						
101.35	205.50	V4; Mass; Cry; Per						
		Trachyte 70°; Massive; CRYSTALRICH; PERLITIC						
		Medium red massive trachyte flow fine grained and crystal rich (translucent) the groundmass is glassy potassic with perlitic texture, localized fragments in the intersection with chlorite associated to stringers-veinlets. Locally the unit is breaking into angular or sub angular fragments. The translucent crystal are sub euhedral or rounded and occupied 2-5% of tthe groundmass. The entire unit is pervasive to spotty weak to intense magnetic, late minor quartz ankerite veinlets with rare chalcopyrite intersect the unit. Alteration consists of strong pervasive ankerite and potassic, some chlorite stringers-veinlets // to moderate foliation 30-45 DTCA, spotty moderate sericite. Is mineralized 0.5-1% pyrite, traces to 0.5% of chlacopyrite-specularite in veins.						
		From 180-183.20 m ; 198-201.5 moderate penetrative foliation 40 DTCA with dark chlorite hairline and weak deformation observe in sericite stringers.						
101.50	103.50	K03; Ank01						
		Potassic 3; Ankerite 1						
		intense pervasive potassic alteration, weak to moderate ankerite						
102.00	103.50	Py01		102.00	103.50	Q283391	1.50	0.139
		Pyrite 1%						
		disseminated and parallel foliation						
103.50	112.80	K03; Ank02; Cl02		103.50	105.00	Q283392	1.50	0.057
		Potassic 3; Ankerite 2; Chlorite 2						
		pervasive moderate to intense potassic ankerite alteration, moderate chlorite has stringers veinlets.						
103.50	105.00	Py00.5						
		Pyrite 0.5%						
		disseminated						
104.00	111.60	Fln						
		Foliation 30°						
		moderate foliation						
105.00	106.50	Py00.5		105.00	106.50	Q283393	1.50	0.092
		Pyrite 0.5%						
		disseminated						
106.50	108.00	Py00.5		106.50	108.00	Q283394	1.50	0.031
		Pyrite 0.5%						
		disseminated						
108.00	109.50	Py00.5		108.00	109.50	Q283395	1.50	0.058

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		disseminated					
109.50	111.00	Py00.5	109.50	111.00	Q283396	1.50	0.041
		Pyrite 0.5%					
		disseminated					
111.00	112.50	Py01	111.00	112.50	Q283397	1.50	0.03
		Pyrite 1%					
		disseminated					
112.50	114.00	Py00.5	112.50	114.00	Q283398	1.50	0.12
		Pyrite 0.5%					
		disseminated					
112.80	125.40	K03; Ank02; Si01					
		Potassic 3; Ankerite 2; Silica 1					
		Pervasive intense potassic alteration, moderate pervasive ankerite, weak mintermittant silica					
114.00	115.50	Py00.5	114.00	115.50	Q283399	1.50	0.06
		Pyrite 0.5%					
		disseminated					
115.50	117.00	Py00.5	115.50	117.00	Q283402	1.50	0.078
		Pyrite 0.5%					
		disseminated					
117.00	118.50	Py00.5	117.00	118.50	Q283403	1.50	0.065
		Pyrite 0.5%					
		disseminated					
117.60	124.20	FracZn; Jt					
		Fracture Zone 40°; Joint					
		fracture zone with joints @ 40 dg/Ca					
118.50	120.00	Py00.5; Hem00.2; PbS00.2	118.50	120.00	Q283404	1.50	0.147
		Pyrite 0.5%; SPECULARITE 0.2%; Galena 0.2%					
		disseminated galena dans specularite in veins					
120.00	121.50	Py00.5	120.00	121.50	Q283405	1.50	0.05
		Pyrite 0.5%					
		disseminated					
121.50	123.00	Py00.5	121.50	123.00	Q283406	1.50	0.063
		Pyrite 0.5%					
		disseminated					
123.00	124.50	Py00.5	123.00	124.50	Q283407	1.50	0.057
		Pyrite 0.5%					
		disseminated and parallel foliation					
124.50	126.00	Py00.5	124.50	126.00	Q283408	1.50	0.159
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite					
125.40	132.00	Ank03; K03; Si02					
		Ankerite 3; Potassic 3; Silica 2					
		intense pervasive ankerite weak to moderate intermittant silica					
126.00	130.95	V4; FlBand; Per					
		Trachyte 70°; FLOWBANDED; PERLITIC					
		The host is medium red with patchy dark grey color. The trachyte flow is glassy with perlitic texture. The					
		interval includes black and white bedding or chill margins defined by a strong sericite-ankerite alteration.					
		The unit is spotty magnetic and intersect by quartz ankerite veins cross cutting the unit 70-90 dg/ca.					
		Mineralized with 0.5 to 1 % disseminated.					
126.00	132.00	Fln; FracZn					
		Foliation 40°; Fracture Zone					
		weak to moderate foliation in a localized glassy chill margin.					
126.00	127.50	Py00.5					
		Pyrite 0.5%					
		disseminated					
126.00	132.00	Vm;5%;Sgq Qak;In;70°;PbS00.2 Py00.2;	126.00	127.50	Q283409	1.50	1.01
		major vein (10 cm or greater) 5% smoky grey quartz quartz-ankerite infilled fractures					
		70° Galena 0.2% Pyrite 0.2%					
		smoky grey and white quartz-ankerite vein with galena and trace of pyrite					
127.50	129.00	Py00.5	127.50	129.00	Q283410	1.50	0.166
		Pyrite 0.5%					
		disseminated					
129.00	130.50	Py00.5; Py	129.00	130.50	Q283411	1.50	0.835
		Pyrite 0.5%; Pyrite					
		Disseminated pyrite.					
130.50	132.00	Py00.5	130.50	132.00	Q283412	1.50	0.045
		Pyrite 0.5%					
		disseminated					
132.00	142.70	K03; Ank03; Cl02	132.00	133.50	Q283413	1.50	0.073
		Potassic 3; Ankerite 3; Chlorite 2					
		Intense pervasive potassic ankerite, spotty chlorite					
132.00	133.50	Py00.5					
		Pyrite 0.5%					
		traces					
133.50	135.00	Py00.5	133.50	135.00	Q283414	1.50	0.053
		Pyrite 0.5%					
		Disseminated					
135.00	136.50	Py00.5	135.00	136.50	Q283415	1.50	0.044
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Disseminated					
136.50	138.00	Py00.5	136.50	138.00	Q283416	1.50	0.217
		Pyrite 0.5%					
		Disseminated pyrite					
138.00	139.50	Py00.5	138.00	139.50	Q283417	1.50	0.291
		Pyrite 0.5%					
		disseminated					
139.50	141.00	Py00.5					
		Pyrite 0.5%					
		disseminated					
139.50	145.50	Vn;3%;Qak;In;50°;Py00.2 Hem00.2 PbS00.2;	139.50	141.00	Q283418	1.50	0.092
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50° Pyrite 0.2%					
		SPECULARITE 0.2% Galena 0.2%					
		quartz-ankerite with traces of Pyrite-SPECULARITE - Galena					
140.00	156.00	FIn; Jt; FracZn					
		Foliation 60°; Joint; Fracture Zone					
		moderate to weak foliation, breaks angular fragments					
141.00	142.50	Py01; Hem00.2	141.00	142.50	Q283419	1.50	0.164
		Pyrite 1%; SPECULARITE 0.2%					
		disseminated py and specularite veinlets					
142.50	144.00	Py00.5	142.50	144.00	Q283420	1.50	0.335
		Pyrite 0.5%					
		disseminated					
142.70	147.00	V4; Cry; Vug					
		Trachyte; CRYSTALRICH; Vuggy					
		Medium red trachyte flow fine grained and cristal rich (translucent) the groundmas is glassy potassic					
		with perlitc texture, weak foliation 40 dg/ca with chlorite stringers // foliation and disseminated vuggy. the					
		unit is non magnetic and mineralized 0.5-1% pyrite fractures filled and disseminated.					
142.70	152.70	K03; Ank02; Ox02; Cl01					
		Potassic 3; Ankerite 2; Oxidation 2; Chlorite 1					
		Pervasive moderate to stron ankerite potassic., moderate oxydation, patchy chlorite.					
144.00	145.50	Py00.5	144.00	145.50	Q283421	1.50	0.523
		Pyrite 0.5%					
		disseminated					
145.50	147.00	Py00.5	145.50	147.00	Q283422	1.50	0.44
		Pyrite 0.5%					
		disseminated					
147.00	148.50	Py00.5	147.00	148.50	Q283423	1.50	0.16
		Pyrite 0.5%					
		disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
148.50	150.00	Py00.5 **Pyrite 0.5%** disseminated	148.50	150.00	Q283424	1.50	0.235
150.00	151.50	Py01 **Pyrite 1%** disseminated					
150.00	157.70	Vm;3%;Qak;In;30°;Cp00.2 Py00.2; **major vein (10 cm or greater) 3% quartz-ankerite infilled fractures 30° Chalcopyrite 0.2% Pyrite 0.2%** quartz-ankerite vein up 30 cm 30-50 dg/Ca.	150.00	151.50	Q283427	1.50	0.182
151.50	153.00	Py01 **Pyrite 1%** disseminated	151.50	153.00	Q283428	1.50	0.402
152.70	180.00	K03; Ank02; Si01; Cl01 **Potassic 3; Ankerite 2; Silica 1; Chlorite 1** Moderate to intense potassic ankerite, intermittant moderate silica, patchy chlorite					
153.00	154.50	Py01 **Pyrite 1%** disseminated	153.00	154.50	Q283429	1.50	0.192
154.50	156.00	Py01 **Pyrite 1%** disseminated	154.50	156.00	Q283430	1.50	0.174
156.00	157.50	Py00.5 **Pyrite 0.5%** disseminated	156.00	157.50	Q283431	1.50	0.168
157.50	159.00	Py00.5 **Pyrite 0.5%** disseminated	157.50	159.00	Q283432	1.50	0.291
159.00	160.50	Py00.5 **Pyrite 0.5%** disseminated	159.00	160.50	Q283433	1.50	0.066
160.50	162.00	Py00.5 **Pyrite 0.5%** disseminated	160.50	162.00	Q283434	1.50	0.18
162.00	163.50	Py00.5 **Pyrite 0.5%** disseminated	162.00	163.50	Q283435	1.50	0.104
163.50	165.00	Py00.5 **Pyrite 0.5%** disseminated	163.50	165.00	Q283436	1.50	0.39

Description			Assay				
			From	To	Sample number	Length	AuBest
164.90	166.00	Vm;10%;Sgq;In;50°;Py00.2; **major vein (10 cm or greater) 10% smoky grey quartz infilled fractures 50° Pyrite 0.2%** Smoky grey quartz with pyrite					
165.00	166.50	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** disseminated	165.00	166.50	Q283437	1.50	0.237
166.50	168.00	Py00.5 **Pyrite 0.5%** disseminated	166.50	168.00	Q283438	1.50	0.166
168.00	169.50	Py00.5; Cp00.5 **Pyrite 0.5%; Chalcopyrite 0.5%** disseminated py and chalcopyrite in veins	168.00	169.50	Q283439	1.50	0.262
169.50	171.00	Py00.5 **Pyrite 0.5%** disseminated	169.50	171.00	Q283440	1.50	0.159
171.00	172.50	Py01 **Pyrite 1%** disseminated	171.00	172.50	Q283441	1.50	0.178
172.50	174.00	Py00.5 **Pyrite 0.5%** disseminated	172.50	174.00	Q283442	1.50	0.104
173.50	180.50	Vn;3%;Sgq Qak;In;60°;Py00.5 Cp00.2; **vein (5 mm - 10 cm) 3% smoky grey quartz quartz-ankerite infilled fractures 60° Pyrite 0.5% Chalcopyrite 0.2%** smoky grey and white quartz -ankerite veins with trace of chalcopyrie and pyrite.					
174.00	175.50	Py00.5 **Pyrite 0.5%** disseminated	174.00	175.50	Q283443	1.50	0.106
175.50	177.00	Py00.5 **Pyrite 0.5%** disseminated	175.50	177.00	Q283444	1.50	0.06
177.00	178.50	Py00.5; Cp00.5 **Pyrite 0.5%; Chalcopyrite 0.5%** disseminated, chalcopyrite in veins	177.00	178.50	Q283445	1.50	0.028
178.50	180.00	Py00.5 **Pyrite 0.5%** disseminated	178.50	180.00	Q283446	1.50	0.032
180.00	183.20	Ank03; K02; Cl02 **Ankerite 3; Potassic 2; Chlorite 2** Pervasive strong ankerite, moderate potassic alteration, moderate dark chlorite hairlines // foliaction 40					

Description			Assay				
			From	To	Sample number	Length	AuBest
		DTCA.					
180.00	183.20	Fln	180.00	181.50	Q283447	1.50	0.005
		Foliation 40°					
		Penetrative moderate foliation					
180.00	181.50	Py00.5					
		Pyrite 0.5%					
		disseminated					
180.50	204.00	Vt;2%;Qak Cl;In;30°;Cp00.2;					
		veinlet (1-5 mm) 2% quartz-ankerite chlorite infilled fractures 30° Chalcopyrite 0.2%					
		Quartz ankerite veinlets // CA or 30 DTCA					
181.50	183.00	Py01	181.50	183.00	Q283448	1.50	0.062
		Pyrite 1%					
		fine grained pyrite					
183.00	184.50	Py02; Cp00.5; Mo00.2; Hem00.2	183.00	184.50	Q283449	1.50	0.093
		Pyrite 2%; Chalcopyrite 0.5%; Molybdenite 0.2%; SPECULARITE 0.2%					
		Fine grained pyrite, chalcopyrite and specular hematite in veins,					
183.20	208.00	K03; Ank03; Cl01; Se01					
		Potassic 3; Ankerite 3; Chlorite 1; Sericite 1					
		Pervasive strong potassic-ankerite alteration, intermittant dark chlorite localy hairlines chlorite, spotty					
		sericite veinlets					
184.50	186.00	Py00.5	184.50	186.00	Q283452	1.50	0.247
		Pyrite 0.5%					
		fine grained pyrite					
186.00	187.50	Py00.5	186.00	187.50	Q283453	1.50	0.703
		Pyrite 0.5%					
		fine grained pyrite					
187.50	189.00	Py00.5	187.50	189.00	Q283454	1.50	0.109
		Pyrite 0.5%					
		fine grained pyrite					
189.00	190.50	Py01	189.00	190.50	Q283455	1.50	0.08
		Pyrite 1%					
		fine grained pyrite					
190.50	192.00	Py00.5	190.50	192.00	Q283456	1.50	0.186
		Pyrite 0.5%					
		fine grained					
192.00	193.50	Py00.5	192.00	193.50	Q283457	1.50	0.093
		Pyrite 0.5%					
		fine grained					
193.50	195.00	Py00.5	193.50	195.00	Q283458	1.50	0.162
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained					
195.00	196.50	Py00.5; Cp00.3	195.00	196.50	Q283459	1.50	0.072
		Pyrite 0.5%; Chalcopyrite 0.3%					
		fine grained pyrite, chalcopyrite in quatz carbonates veinlets					
196.50	198.00	Py00.5	196.50	198.00	Q283460	1.50	0.144
		Pyrite 0.5%					
		fine grained					
198.00	202.00	Fln	198.00	199.50	Q283461	1.50	0.067
		Foliation 40°					
		moderate					
198.00	199.50	Py00.5					
		Pyrite 0.5%					
		fine grained					
199.50	201.00	Py00.5	199.50	201.00	Q283462	1.50	0.011
		Pyrite 0.5%					
		fine grained					
201.00	202.50	Py05	201.00	202.50	Q283463	1.50	0.045
		Pyrite 5%					
		fine grained					
202.50	204.00	Py00.5	202.50	204.00	Q283464	1.50	0.019
		Pyrite 0.5%					
		Fine grained					
204.00	205.50	Py01	204.00	205.50	Q283465	1.50	0.018
		Pyrite 1%					
		Disseminated fine grained					
205.50	342.80	V4; Per; Pep; Cry; Fol	205.50	207.00	Q283466	1.50	0.025
		Trachyte; PERLITIC; PEPERITIC; CRYSTALRICH; Foliated					
		The host is medium red with patchy dark grey color. Fine to medium grained. The The trachyte flow is glassy with perlitic and peperitic textures. The interval includes black and white bedding or chill margins defined by a moderate sericite-ankerite alteration. The unit is weakly deformed and has the appearance of mix sediments and igneous material, marked by areas of strong dark chlorite alteration and weak magnetic fiel. The non foliated interval 0.1-1.5 m are crystals rich up to 5% or micro fractures with perlitic texture . The unit is locally underline by weak to moderate pervasive silica with flow bedding.The unit is weakly-strongly magnetic and intersect by small 0.2-10 cm quartz ankerite veins cross cutting the unit 70-90 dg/ca. It's mineralized with 0.5 to 1 % disseminated Pyrite and traces to 0.5% of chalcopyrite.					
205.50	207.00	Py01					
		Pyrite 1%					
		Disseminated fine grained					
205.90	231.50	Fln					
		Foliation 30°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate and intermittant underline by chlorite stringers-veinlets					
207.00	208.50	Py01; Cp00.2	207.00	208.50	Q283467	1.50	0.018
		Pyrite 1%; Chalcopyrite 0.2%					
		Disseminated fine grained, chalcopyrite infilled fracture					
208.00	249.00	Ank03; K02; K; Cl02					
		Ankerite 3; Potassic 2; Potassic; Chlorite 2					
		Intense pervasive ankerite, moderate potassic dark chlorite as stringers-veinlets					
208.50	210.00	Py00.5	208.50	210.00	Q283468	1.50	0.012
		Pyrite 0.5%					
		Disseminated fine grained					
210.00	211.50	Py00.5	210.00	211.50	Q283469	1.50	0.068
		Pyrite 0.5%					
		Disseminated fine grained					
211.50	213.00	Py00.5	211.50	213.00	Q283470	1.50	<0.005
		Pyrite 0.5%					
		Disseminated fine grained					
213.00	214.50	Py00.5	213.00	214.50	Q283471	1.50	0.288
		Pyrite 0.5%					
		Disseminated fine grained					
214.50	216.00	Py00.5; Cp00.2	214.50	216.00	Q283472	1.50	1.04
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Disseminated fine grained, chalcopyrite in veins					
216.00	217.50	Py00.5; Cp00.2	216.00	217.50	Q283473	1.50	0.132
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Disseminated fine grained, traces of chalcopyrite in veins					
217.50	219.00	Py00.5	217.50	219.00	Q283474	1.50	0.036
		Pyrite 0.5%					
		Disseminated fine grained					
219.00	220.50	Py00.5; Py	219.00	220.50	Q283477	1.50	0.052
		Pyrite 0.5%; Pyrite					
		Disseminated fine grained					
220.50	222.00	Py00.5	220.50	222.00	Q283478	1.50	0.01
		Pyrite 0.5%					
		Disseminated fine grained					
222.00	223.50	Py00.5	222.00	223.50	Q283479	1.50	0.205
		Pyrite 0.5%					
		Disseminated fine grained					
223.50	225.00	Py00.5	223.50	225.00	Q283480	1.50	0.2
		Pyrite 0.5%					
		Disseminated fine grained					

Description			Assay				
			From	To	Sample number	Length	AuBest
225.00	226.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	225.00	226.50	Q283481	1.50	0.059
226.50	228.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained	226.50	228.00	Q283482	1.50	0.185
228.00	229.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	228.00	229.50	Q283483	1.50	0.028
229.50	231.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained	229.50	231.00	Q283484	1.50	0.052
231.00	232.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	231.00	232.50	Q283485	1.50	0.011
231.50	238.50	Fln **Foliation 2°** Foliation // CA					
232.50	234.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained	232.50	234.00	Q283486	1.50	<0.005
234.00	235.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	234.00	235.50	Q283487	1.50	0.013
235.50	237.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained	235.50	237.00	Q283488	1.50	0.014
237.00	238.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	237.00	238.50	Q283489	1.50	0.039
238.50	249.00	Fln **Foliation 30°** moderate foliation 02/ 30 DTCA	238.50	240.00	Q283490	1.50	0.017
238.50	240.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained					
240.00	241.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	240.00	241.50	Q283491	1.50	0.059

Description			Assay				
			From	To	Sample number	Length	AuBest
241.50	243.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained	241.50	243.00	Q283492	1.50	0.068
243.00	244.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	243.00	244.50	Q283493	1.50	0.023
244.50	246.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained	244.50	246.00	Q283494	1.50	0.055
246.00	247.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained	246.00	247.50	Q283495	1.50	0.017
247.50	249.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained	247.50	249.00	Q283496	1.50	0.014
249.00	250.83	K03; Ank03; Cl01 **Potassic 3; Ankerite 3; Chlorite 1** Strong pervasive potassic ankerite, weak spotty dark chlorite	249.00	250.50	Q283497	1.50	0.419
249.00	250.50	Py00.5 **Pyrite 0.5%** Disseminated fine grained					
250.50	252.00	Py00.5 **Pyrite 0.5%** Fine grained pyrite	250.50	252.00	Q283498	1.50	0.018
250.83	263.40	Ank03; K02; Cl02 **Ankerite 3; Potassic 2; Chlorite 2** Intense pervasive ankerite, moderate spotty potassic, moderate mottled chlorite					
250.83	258.60	FIn **Foliation 40°** foliation 03-40 DTCA,					
252.00	253.50	Py00.5 **Pyrite 0.5%** Dissemated fine grained pyrite	252.00	253.50	Q283499	1.50	5.7
253.50	255.00	Py00.5 **Pyrite 0.5%** Disseminated fine grained pyrite	253.50	255.00	Q283502	1.50	0.037
255.00	256.50	Py00.5 **Pyrite 0.5%** disseminated fine grained pyrite	255.00	256.50	Q283503	1.50	0.085
256.50	258.00	Py00.5	256.50	258.00	Q283504	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Disseminated fine grained pyrite					
258.00	259.50	Py00.7; Cp00.5	258.00	259.50	Q283505	1.50	49.7
		Pyrite 0.7%; Chalcopyrite 0.5%					
		Disseminated fine grained pyrite					
259.50	288.00	FIn	259.50	261.00	Q283506	1.50	0.067
		Foliation 50°					
		Foliation20-30- 50 DTCA					
259.50	261.00	Py00.5; Cp00.2					
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Disseminated fine grained pyrite					
261.00	262.50	Py00.5	261.00	262.50	Q283507	1.50	0.321
		Pyrite 0.5%					
		Disseminated fine grained pyrite					
262.50	264.00	Py00.5	262.50	264.00	Q283508	1.50	0.185
		Pyrite 0.5%					
		Disseminated fine grained pyrite					
263.40	276.00	Ank03; Cl02; K01; Si01					
		Ankerite 3; Chlorite 2; Potassic 1; Silica 1					
		Intense pervasive ankerite, mottled chlorite spotty moderate silica					
264.00	265.50	Py01	264.00	265.50	Q283509	1.50	0.046
		Pyrite 1%					
		Disseminated fine grained pyrite					
265.50	267.00	Py01	265.50	267.00	Q283510	1.50	0.498
		Pyrite 1%					
		Disseminated fine grained pyrite					
267.00	268.50	Py01	267.00	268.50	Q283511	1.50	0.483
		Pyrite 1%					
		Euhedral and fine grained disseminated pyrite					
268.50	270.00	Py02	268.50	270.00	Q283512	1.50	0.424
		Pyrite 2%					
		Euhedral disseminated fine grained pyrite					
270.00	271.50	Py02	270.00	271.50	Q283513	1.50	0.142
		Pyrite 2%					
		Euhedral disseminated fine grained pyrite					
271.50	273.00	Py02	271.50	273.00	Q283514	1.50	0.375
		Pyrite 2%					
		Euhedral disseminated fine grained pyrite.					
273.00	274.50	Py01	273.00	274.50	Q283515	1.50	0.936
		Pyrite 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Euhedral disseminate fine grained pyrite.					
274.50	276.00	Py01	274.50	276.00	Q283516	1.50	0.362
		Pyrite 1%					
		Disseminate fine grained pyrite					
276.00	290.20	Ank02; Ca02; Cl02; K02	276.00	277.50	Q283517	1.50	0.109
		Ankerite 2; Calcite 2; Chlorite 2; Potassic 2					
		Moderate pervasive ankerite, moderate calcite, spotty potassic, chlorite					
276.00	277.50	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite.					
277.50	279.00	Py00.5	277.50	279.00	Q283518	1.50	0.062
		Pyrite 0.5%					
		Fine grained pyrite.					
279.00	280.50	Py00.2	279.00	280.50	Q283519	1.50	0.008
		Pyrite 0.2%					
		Trace of pyrite.					
280.50	282.00	Py00.5	280.50	282.00	Q283520	1.50	0.04
		Pyrite 0.5%					
		Fine grained pyrite					
282.00	283.50	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite.					
282.00	288.00	Vn;3%;Qak;;50°;Py00.2;	282.00	283.50	Q283521	1.50	0.04
		vein (5 mm - 10 cm) 3% quartz-ankerite 50° Pyrite 0.2%					
		smokey- white or lightly pink quartz ankerite veins 0.5-3 cm 30-50-60 DTCA,					
283.50	285.00	Py00.5	283.50	285.00	Q283522	1.50	0.021
		Pyrite 0.5%					
		Fine grained pyrite					
285.00	286.50	Py00.5; Cp00.2	285.00	286.50	Q283523	1.50	0.018
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Disseminated fine grained pyrite, traces of chalcopyrite in veins					
286.50	288.00	Py00.2	286.50	288.00	Q283524	1.50	0.006
		Pyrite 0.2%					
		Traces of pyrite					
288.00	289.20	Fln					
		Foliation 2°					
		foliation // CA					
288.00	289.50	Py00.2	288.00	289.50	Q283527	1.50	0.006
		Pyrite 0.2%					
		Traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
289.20	309.00	FIn					
		Foliation 40°					
		Foliation 30 40-70°					
289.50	291.00	Py00.2	289.50	291.00	Q283528	1.50	0.008
		Pyrite 0.2%					
		Traces of pyrite					
290.20	309.00	Ank03; Cl02; K01					
		Ankerite 3; Chlorite 2; Potassic 1					
		Intense pervasive ankerite, mottled dark chlorite, patchy moderate to weak potassic,					
291.00	292.50	Py00.5	291.00	292.50	Q283529	1.50	0.03
		Pyrite 0.5%					
		Fine grained pyrite					
292.50	294.00	Py00.2	292.50	294.00	Q283530	1.50	0.071
		Pyrite 0.2%					
		Traces of pyrite					
294.00	295.50	Py00.5	294.00	295.50	Q283531	1.50	0.338
		Pyrite 0.5%					
		Fine grained disseminated pyrite					
295.50	297.00	Py01	295.50	297.00	Q283532	1.50	2.01
		Pyrite 1%					
		Euhedral and fine grained pyrite					
297.00	298.50	Py01					
		Pyrite 1%					
		Euhedral and fine grained pyrite					
297.00	304.50	Vn;3%;Qak;In;50°;Py50;	297.00	298.50	Q283533	1.50	1.155
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50° Pyrite 50%					
		White quartz ankerite veins 0.5-10 cm 50-70 DTCA					
298.50	300.00	Py01	298.50	300.00	Q283534	1.50	0.688
		Pyrite 1%					
		Euhedral and fine grained pyrite					
300.00	301.50	Py00.5	300.00	301.50	Q283535	1.50	1.165
		Pyrite 0.5%					
		Disseminated fine grained pyrite					
301.50	303.00	Py00.5	301.50	303.00	Q283536	1.50	0.321
		Pyrite 0.5%					
		Disseminated and fine grained pyrite					
303.00	304.50	Py00.5	303.00	304.50	Q283537	1.50	0.166
		Pyrite 0.5%					
		Fine grained pyrite					
304.50	306.00	Py00.5	304.50	306.00	Q283538	1.50	0.074

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Fine grained pyrite					
306.00	307.50	Py00.5	306.00	307.50	Q283539	1.50	0.009
		Pyrite 0.5%					
		Fine grained Pyrite					
307.50	309.00	Py00.2	307.50	309.00	Q283540	1.50	0.019
		Pyrite 0.2%					
		Fine graine grained Pyrite					
309.00	312.60	K03; Ank02; Cl01	309.00	310.50	Q283541	1.50	0.068
		Potassic 3; Ankerite 2; Chlorite 1					
		Strong pervasive potassic alteration, moderate pervasive ankerite patchy chlorite					
309.00	310.50	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite					
310.50	312.00	Py00.5	310.50	312.00	Q283542	1.50	0.064
		Pyrite 0.5%					
		Fine grained pyrite.					
312.00	313.50	Py00.5	312.00	313.50	Q283543	1.50	0.019
		Pyrite 0.5%					
		Fine grained pyrite					
312.60	334.50	Ca03; Cl02; Ank01; K01					
		Calcite 3; Chlorite 2; Ankerite 1; Potassic 1					
		Moderate to intense calcite alteration, moderate chlorite and potassic, weak ankerite					
312.60	315.00	Fln					
		Foliation 60°					
		Moderate foliation underline by dark chlorite stringers					
313.50	315.00	Py00.5	313.50	315.00	Q283544	1.50	<0.005
		Pyrite 0.5%					
		Fine grained pyrite					
315.00	316.50	Py00.5	315.00	316.50	Q283545	1.50	0.005
		Pyrite 0.5%					
		Fine grained pyrite					
316.00	316.50	Vn;2%;Ca;In;80°;;					
		vein (5 mm - 10 cm) 2% calcite infilled fractures 80°					
		4 cm calcite vein					
316.50	318.00	Py00.5	316.50	318.00	Q283546	1.50	<0.005
		Pyrite 0.5%					
		Disseminated Pyrite					
318.00	319.50	Py00.5	318.00	319.50	Q283547	1.50	0.027
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fine disseminated					
319.50	321.00	Py00.5	319.50	321.00	Q283548	1.50	0.008
		Pyrite 0.5%					
		fine grained pyrite					
321.00	322.50	Py00.5	321.00	322.50	Q283549	1.50	0.011
		Pyrite 0.5%					
		Fine disseminated pyrite					
322.50	324.00	Py00.5	322.50	324.00	Q283552	1.50	0.014
		Pyrite 0.5%					
		fine disseminated pyrite					
324.00	325.50	Py00.5	324.00	325.50	Q283553	1.50	0.012
		Pyrite 0.5%					
		Fine disseminated pyrite					
324.10	331.50	Fln					
		Foliation 30°					
		moderate foliation					
325.50	327.00	Py00.5	325.50	327.00	Q283554	1.50	0.012
		Pyrite 0.5%					
		Fine disseminated pyrite					
327.00	328.50	Py00.5	327.00	328.50	Q283555	1.50	0.102
		Pyrite 0.5%					
		fine disseminated pyrite					
328.50	330.00	Py00.5	328.50	330.00	Q283556	1.50	0.009
		Pyrite 0.5%					
		fine disseminated pyrite					
330.00	331.50	Py00.5					
		Pyrite 0.5%					
		fine disseminated pyrite					
330.00	336.00	Vn;4%;Ca;In;60°;;	330.00	331.50	Q283557	1.50	0.01
		vein (5 mm - 10 cm) 4% calcite infilled fractures 60°					
		2-10 cm calcite veins					
331.50	333.00	Fln					
		Foliation 10°					
		moderate foliation 5-10 dtca					
331.50	333.00	Py00.5	331.50	333.00	Q283558	1.50	0.013
		Pyrite 0.5%					
		fine disseminated pyrite					
333.00	336.00	Fln	333.00	334.50	Q283559	1.50	0.012
		Foliation 60°					
		te foliation					

Description			Assay				
			From	To	Sample number	Length	AuBest
333.00	334.50	Py00.5 **Pyrite 0.5%** fine disseminated pyrite					
334.50	344.50	Ca02; K02; Cl02; Ank01; He **Calcite 2; Potassic 2; Chlorite 2; Ankerite 1; Hematite** Moderate calcite-potassic chlorite alteration, weak ankerite, isolated hematite	334.50	336.00	Q283560	1.50	0.029
334.50	336.00	Py00.5 **Pyrite 0.5%** fine disseminated pyrite					
336.00	339.00	Fln **Foliation 10°** moderate foliation					
336.00	337.50	Py00.5 **Pyrite 0.5%** Fine disseminated pyrite					
336.00	342.00	Vn;3%;Qak;In;30°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 30°** 0.5-2 cm quartz-ankerite veins	336.00	337.50	Q283561	1.50	0.013
337.50	339.00	Py00.5 **Pyrite 0.5%** Fine disseminated pyrite	337.50	339.00	Q283562	1.50	0.013
339.00	364.70	Fln; Stg **Foliation 60°; Stretched grains/features** weak to moderate foliation 40-70 dtca	339.00	340.50	Q283563	1.50	0.015
339.00	340.50	Py00.5 **Pyrite 0.5%** Fine disseminated pyrite					
340.50	342.00	Py00.5; Cp00.2 **Pyrite 0.5%; Chalcopyrite 0.2%** Fine disseminated pyrite	340.50	342.00	Q283564	1.50	0.029
342.00	343.50	Py00.5 **Pyrite 0.5%** fine disseminated pyrite	342.00	343.50	Q283565	1.50	0.111
342.80	372.30	V4; Tuff; Pyro; Fol **Trachyte 60°; TUFF; PYROCLASTIC; Foliated** Lightly green olive and patchy red, fine grained with beige stretched lapilli foliated at 30-40 DTCA, The unit us moderately laminated or bended with localized moderate ductile deformation obverse in the segregated quartz-felspar-chlorite 0.5-2 cm layers. It's intersect by quartz ankerite veins and veinlets 0.5-2 cm @ 02-30 DTCA. A moderate to strong brick red potassic alteration observe in the massive trachyte that intersect the unit. Foliation controlled sericitic alteration. It’s moderately magnetic with visible magnetite blebs. Generally					

Description			Assay				
			From	To	Sample number	Length	AuBest
		trace to 0.5% pyrite. The upper contact is gradational and starts with cherty sediments in appearances.					
343.50	345.00	Py00.5	343.50	345.00	Q283566	1.50	0.04
		Pyrite 0.5%					
		Fine disseminated pyrite					
344.50	362.40	Ank02; Cl02; K02; Se02					
		Ankerite 2; Chlorite 2; Potassic 2; Sericite 2					
		Pervasive moderate to intense ankerite-chlorite, intermittant strong potassic, moderate sericite					
345.00	346.50	Py00.5					
		Pyrite 0.5%					
		Parallel foliation					
345.00	362.40	Vn;4%;Qak;In;40°;;	345.00	346.50	Q283567	1.50	0.009
		vein (5 mm - 10 cm) 4% quartz-ankerite infilled fractures 40°					
		0.5-2 cm quartz-ankerite veins					
346.50	348.00	Py00.5	346.50	348.00	Q283568	1.50	0.01
		Pyrite 0.5%					
		Fine disseminated pyrite					
348.00	349.50	Py00.5	348.00	349.50	Q283569	1.50	<0.005
		Pyrite 0.5%					
		parallel foliation					
349.50	351.00	Py00.2	349.50	351.00	Q283570	1.50	<0.005
		Pyrite 0.2%					
		parallel foliation.					
351.00	352.50	Py00.2	351.00	352.50	Q283571	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrites					
352.50	354.00	Py00.2	352.50	354.00	Q283572	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
354.00	355.50	Py00.2	354.00	355.50	Q283573	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
355.50	357.00	Py00.2	355.50	357.00	Q283574	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
357.00	358.50	Py00.2	357.00	358.50	Q283577	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
358.50	360.00	Py00.2	358.50	360.00	Q283578	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrites					

Description			Assay				
			From	To	Sample number	Length	AuBest
360.00	361.50	Py00.5	360.00	361.50	Q283579	1.50	<0.005
		Pyrite 0.5%					
		Euhedral and fine grained pyrite.					
361.50	363.00	Py00.5	361.50	363.00	Q283580	1.50	0.006
		Pyrite 0.5%					
		fine disseminated					
362.40	372.00	Ank03; Cl02; Se02					
		Ankerite 3; Chlorite 2; Sericite 2					
		Intense pervasive ankerite, weak- moderate chlorite- sericite					
363.00	364.50	Py00.2	363.00	364.50	Q283581	1.50	<0.005
		Pyrite 0.2%					
		Traces					
364.50	366.00	Py00.2	364.50	366.00	Q283582	1.50	<0.005
		Pyrite 0.2%					
		Traces					
364.70	408.00	Fln					
		Foliation 40°					
		spottyweak foliation					
366.00	367.50	Py00.2	366.00	367.50	Q283583	1.50	<0.005
		Pyrite 0.2%					
		Traces					
367.50	369.00	Py00.2	367.50	369.00	Q283584	1.50	<0.005
		Pyrite 0.2%					
		Traces					
369.00	370.50	Py00.2	369.00	370.50	Q283585	1.50	<0.005
		Pyrite 0.2%					
		traces					
370.50	372.00	Py00.2	370.50	372.00	Q283586	1.50	0.006
		Pyrite 0.2%					
		traces					
372.00	378.00	Ank02; Cl02	372.00	373.50	Q283587	1.50	<0.005
		Ankerite 2; Chlorite 2					
		Moderate pervasive ankerite- chlorite					
372.00	373.50	Py00.2					
		Pyrite 0.2%					
		traces					
372.30	465.00	V4M; Tuff; Fol					
		Trachyte mafic 50°; TUFF; Foliated					
		Medium greyish to green tuff fine grained lapilli tuff, with dispersed medium porphyroblasts. Moderate pervasive					
		foliation to flow banding (foliation@ 5-70 DTCA) with weak sericite alteration segregated and elongated along					

Description			Assay				
			From	To	Sample number	Length	AuBest
		plane of deformation. Deep red patchy potassic-hematite alteration in patches and bands. the upper unit is altered to intermittant moderate to weak calcite (378-411 m). The unit is intersect by quartz-ankerite-hematite veins 2 cm-80 m @ 5-80 DTCA, , It's alterning weak to strong magnetism with localized euhedral magnetite crystals, altered to pervasive moderate ankerite and intense chlorite, mineralized traces to 0.5% euhedral pyrite disseminated, // foliation or as stringers.					
373.50	375.00	Py00.2 **Pyrite 0.2%** traces	373.50	375.00	Q283588	1.50	<0.005
375.00	376.50	Py00.2 **Pyrite 0.2%** Traces	375.00	376.50	Q283589	1.50	<0.005
376.50	378.00	Py00.2 **Pyrite 0.2%** traces	376.50	378.00	Q283590	1.50	<0.005
377.00	378.00	Vn;3%;Qak;In;20°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 20°** pinkish quartz-ankerite vein 3 cm					
378.00	398.00	Ca02; Cl03; Se01 **Calcite 2; Chlorite 3; Sericite 1** Weak to moderate calcite, pervasive chlorite, spotty weak sericite	378.00	379.50	Q283591	1.50	<0.005
378.00	379.50	Py00.2 **Pyrite 0.2%** traces					
379.50	381.00	Py00.2 **Pyrite 0.2%** traces	379.50	381.00	Q283592	1.50	<0.005
381.00	382.50	Py00.2 **Pyrite 0.2%** traces	381.00	382.50	Q283593	1.50	<0.005
382.50	384.00	Py00.2 **Pyrite 0.2%** traces	382.50	384.00	Q283594	1.50	<0.005
384.00	385.50	Py00.5 **Pyrite 0.5%** Euhedral pyrite stringer	384.00	385.50	Q283595	1.50	<0.005
385.50	387.00	Py00.5 **Pyrite 0.5%** euhdral and fine grained pyrite in vein	385.50	387.00	Q283596	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
387.00	388.50	Py00.5					
		Pyrite 0.5%					
		euhedral pyrite in veins					
387.00	390.00	Vn;3%;Qak;In;50°;;	387.00	388.50	Q283597	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°					
		pinkish quartz-ankerite veins 1-10 cm					
388.50	390.00	Py00.2	388.50	390.00	Q283598	1.50	<0.005
		Pyrite 0.2%					
		traces					
390.00	391.50	Py00.5	390.00	391.50	Q283599	1.50	<0.005
		Pyrite 0.5%					
		fine grained and euhedral pyrite in veins					
391.50	393.00	Py00.2	391.50	393.00	Q283602	1.50	<0.005
		Pyrite 0.2%					
		traces					
393.00	394.50	Py00.2					
		Pyrite 0.2%					
		traces					
393.00	411.00	Vt;3%;Qak;In;40°;;	393.00	394.50	Q283603	1.50	<0.005
		veinlet (1-5 mm) 3% quartz-ankerite infilled fractures 40°					
		quartz-ankerite veinlets 10-50 dgtca					
394.50	396.00	Py00.2	394.50	396.00	Q283604	1.50	<0.005
		Pyrite 0.2%					
		traces					
396.00	397.50	Py00.2	396.00	397.50	Q283605	1.50	<0.005
		Pyrite 0.2%					
		traces					
397.50	399.00	Py00.2	397.50	399.00	Q283606	1.50	<0.005
		Pyrite 0.2%					
		traces					
398.00	411.00	Cl03; Ca01; Se01; Ank01					
		Chlorite 3; Calcite 1; Sericite 1; Ankerite 1					
		intense pervasive chlorite, moderate pervasive ankerite, spotty calcite, weak spotty sericite					
399.00	400.50	Py00.2	399.00	400.50	Q283607	1.50	<0.005
		Pyrite 0.2%					
		traces					
400.50	402.00	Py00.2; Mg00.2	400.50	402.00	Q283608	1.50	<0.005
		Pyrite 0.2%; Magnetite 0.2%					
		traces					
402.00	403.50	Py00.2; Mg00.5	402.00	403.50	Q283609	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%; Magnetite 0.5%					
		traces					
403.50	405.00	Mg00.2	403.50	405.00	Q283610	1.50	<0.005
		Magnetite 0.2%					
		traces					
405.00	406.50	Py00.2; Mg00.2	405.00	406.50	Q283611	1.50	<0.005
		Pyrite 0.2%; Magnetite 0.2%					
		traces					
406.50	408.00	Py00.2; Mg00.5	406.50	408.00	Q283612	1.50	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		traces					
408.00	432.50	Fln	408.00	409.50	Q283613	1.50	<0.005
		Foliation 50°					
		moderate foliation 40-50-60					
408.00	409.50	Py00.2; Mg00.2					
		Pyrite 0.2%; Magnetite 0.2%					
		traces					
409.50	411.00	Py00.5	409.50	411.00	Q283614	1.50	0.005
		Pyrite 0.5%					
		fracture -fill					
411.00	461.00	Cl03; Ank02; Se01; K01	411.00	412.50	Q283615	1.50	0.005
		Chlorite 3; Ankerite 2; Sericite 1; Potassic 1					
		Pervasive intense chlorite, weak to moderate ankerite, spotty sericite and potassic					
411.00	412.50	Py00.5					
		Pyrite 0.5%					
		euhedral pyrite vein					
412.50	414.00	Py00.5	412.50	414.00	Q283616	1.50	0.007
		Pyrite 0.5%					
		veins or// foliation					
413.00	414.00	Vn;4%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 4% quartz-ankerite infilled fractures 40°					
		6 cm lightly pink quartz-ankerite vein					
414.00	415.50	Py00.5	414.00	415.50	Q283617	1.50	0.005
		Pyrite 0.5%					
		veins or// foliation					
415.50	417.00	Py00.5	415.50	417.00	Q283618	1.50	<0.005
		Pyrite 0.5%					
		veins or// foliation					
417.00	418.50	Py00.5					
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		disseminated					
417.00	421.50	Vn;3%;Qak;In;50°;;	417.00	418.50	Q283619	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°					
		pinkisk quartz-ankerite veins 2-3 cm					
418.50	420.00	Py00.2	418.50	420.00	Q283620	1.50	<0.005
		Pyrite 0.2%					
		traces					
420.00	421.50	Py00.2	420.00	421.50	Q283621	1.50	<0.005
		Pyrite 0.2%					
		traces					
421.50	423.00	Py00.2	421.50	423.00	Q283622	1.50	<0.005
		Pyrite 0.2%					
		traces					
423.00	424.50	Py00.2	423.00	424.50	Q283623	1.50	<0.005
		Pyrite 0.2%					
		traces					
424.50	426.00	Py00.2	424.50	426.00	Q283624	1.50	<0.005
		Pyrite 0.2%					
		traces					
426.00	427.50	Py00.2	426.00	427.50	Q283627	1.50	<0.005
		Pyrite 0.2%					
		traces					
427.50	429.00	Py00.2	427.50	429.00	Q283628	1.50	<0.005
		Pyrite 0.2%					
		traces					
429.00	430.50	Py00.2	429.00	430.50	Q283629	1.50	0.006
		Pyrite 0.2%					
		traces					
430.50	432.00	Py00.2	430.50	432.00	Q283630	1.50	0.005
		Pyrite 0.2%					
		traces					
432.00	433.50	Py00.5	432.00	433.50	Q283631	1.50	<0.005
		Pyrite 0.5%					
		traces					
432.50	439.33	Fln					
		Foliation 70°					
		Moderate foliation 70-80 dtca					
433.50	435.00	Py00.2	433.50	435.00	Q283632	1.50	<0.005
		Pyrite 0.2%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
435.00	436.50	Py00.2	435.00	436.50	Q283633	1.50	<0.005
		Pyrite 0.2%					
		traces					
436.50	438.00	Py00.2	436.50	438.00	Q283634	1.50	<0.005
		Pyrite 0.2%					
		traces					
437.70	439.33	Vn;5%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite random					
		pinkish quartz-ankerite vein					
438.00	439.50	Py00.2	438.00	439.50	Q283635	1.50	0.007
		Pyrite 0.2%					
		traces (stringers)					
439.33	443.72	Vm;60%;Qak;In;5°;Py00.2;					
		major vein (10 cm or greater) 60% quartz-ankerite infilled fractures 5° Pyrite 0.2%					
		large quartz-ankerite veins 30-80 cm // CA					
439.50	441.00	Fln					
		Foliation 40°					
		moderate foliation					
439.50	441.00	Py00.2	439.50	441.00	Q283636	1.50	0.006
		Pyrite 0.2%					
		traces					
441.00	443.00	Fln	441.00	442.50	Q283637	1.50	0.013
		Foliation 5°					
		moderate foliation					
441.00	442.50	Py00.5					
		Pyrite 0.5%					
		euhedral pyrite as stringers					
442.50	444.00	Py00.5	442.50	444.00	Q283638	1.50	0.015
		Pyrite 0.5%					
		euhedral pyrite in veins					
443.00	453.00	Fln					
		Foliation 40°					
		moderate foliation					
444.00	445.50	Py00.5	444.00	445.50	Q283639	1.50	<0.005
		Pyrite 0.5%					
		Stringers // foliation					
445.00	456.00	Vm;30%;Qak;In;30°;Py00.2;					
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 30° Pyrite 0.2%					
		Major Pinkish quartz-ankerite veinlets 10-40 cm					
445.50	447.00	Py00.5	445.50	447.00	Q283640	1.50	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Stringers // foliation					
447.00	448.50	Py00.5	447.00	448.50	Q283641	1.50	0.016
		Pyrite 0.5%					
		Stringers // foliation					
448.50	450.00	Py00.5	448.50	450.00	Q283642	1.50	<0.005
		Pyrite 0.5%					
		Disseminated					
450.00	451.50	Py00.5	450.00	451.50	Q283643	1.50	0.023
		Pyrite 0.5%					
		Disseminated					
451.50	453.00	Py00.5; Py00.5	451.50	453.00	Q283644	1.50	0.006
		Pyrite 0.5%; Pyrite 0.5%					
		Stringers // foliation					
453.00	457.50	Fln	453.00	454.50	Q283645	1.50	0.008
		Foliation 60°					
		moderate foliation 50-70					
453.00	454.50	Py00.5					
		Pyrite 0.5%					
		Stringers // foliation					
454.50	456.00	Py00.5	454.50	456.00	Q283646	1.50	0.012
		Pyrite 0.5%					
		Stringers // foliation					
456.00	457.50	Py00.5	456.00	457.50	Q283647	1.50	0.007
		Pyrite 0.5%					
		Stringers // foliation					
457.50	465.00	Fln	457.50	459.00	Q283648	1.50	0.01
		Foliation 40°					
		moderate foliation					
457.50	459.00	Py00.5					
		Pyrite 0.5%					
		Stringers // foliation					
458.00	463.70	Vn;5%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 40°					
		quartz-ankerite quartz ankerite veins					
459.00	460.50	Py00.5	459.00	460.50	Q283649	1.50	0.007
		Pyrite 0.5%					
		Stringers // foliation					
460.50	462.00	Py00.5	460.50	462.00	Q283652	1.50	0.01
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Stringers // foliation					
461.00	465.00	Cl03; Ank02					
		Chlorite 3; Ankerite 2					
		Pevasive intense chlorate, weak-moderate ankerite					
462.00	463.50	Py00.5	462.00	463.50	Q283653	1.50	0.012
		Pyrite 0.5%					
		Stringers // foliation					
463.50	465.00	Py00.5	463.50	465.00	Q283654	1.50	0.007
		Pyrite 0.5%					
		Stringers // foliation					
465.00		**End of DDH**					
		Number of samples: 266					
		Number of QAQC samples: 24					
		Total sampled length: 398.70					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_50

Drilled by:	Major	Claims title:	L9495	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	15/03/2014	Description date:	26/03/2014
		To:	19/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 488.80 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,184.450
North	0.0	0.000	5,331,646.308
Elevation	0.0	0.000	343.841

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	42.00	3.0°	-51.8°	No	mag: 56040
ReflexEZS	102.00	2.5°	-52.5°	No	mag: 55547
ReflexEZS	162.00	1.0°	-51.9°	No	mag: 55425
ReflexEZS	222.00	0.9°	-52.2°	No	mag: 55192
ReflexEZS	282.00	0.7°	-51.7°	No	mag: 55352
ReflexEZS	342.00	359.2°	-51.2°	No	mag: 55122
ReflexEZS	402.00	359.3°	-50.5°	No	mag: 55317
ReflexEZS	462.00	358.7°	-49.5°	No	mag: 55223

Description

Relogged by Gilles Kamta end 22 july 2014.

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	33.70	OVB						
		Overburden						
		Casing/Overburden						
33.70	142.50	V4; Aph; Fol						
		Trachyte; APHANITIC; Foliated						
		Greenish aphanitic to fine grained trachyte flow. Weak to moderate wisps lamination/ foliation, the foliation (5-40 DTCA) is wavey to crenulated (multiple generations). Locallized fault gouge, The unit is strongly magnetic, intertersect by lates calcite/quartz veins and veinlets. Strongly altered to pervasive calcite and chlorite and has no visible sulphides.						
33.70	186.00	Ca03; Cl03						
		Calcite 3; Chlorite 3						
		Moderate to strong pervasive calcite, strong pervasive chlorite.						
33.70	67.30	Fln; Crn						
		Foliation 30°; Crenulation						
		moderate foliations and crenulation 05-40 DTCA.						
33.70	291.00	Py00.1		33.70	34.50	Q290372	0.80	<0.005
		Pyrite 0.1%		34.50	36.00	Q290373	1.50	<0.005
		traces of fine grained pyrite		36.00	37.50	Q290374	1.50	<0.005
				37.50	39.00	Q290377	1.50	<0.005
				39.00	40.50	Q290378	1.50	<0.005
				40.50	42.00	Q290379	1.50	<0.005
				42.00	43.50	Q290380	1.50	<0.005
				43.50	45.00	Q290381	1.50	<0.005
				45.00	46.50	Q290382	1.50	<0.005
				46.50	48.00	Q290383	1.50	<0.005
				48.00	49.50	Q290384	1.50	<0.005
				49.50	51.00	Q290385	1.50	<0.005
				51.00	52.50	Q290386	1.50	<0.005
				52.50	54.00	Q290387	1.50	<0.005
				54.00	55.50	Q290388	1.50	<0.005
				55.50	57.00	Q290389	1.50	<0.005
				57.00	58.50	Q290390	1.50	<0.005
				58.50	60.00	Q290391	1.50	<0.005
				60.00	61.50	Q290392	1.50	<0.005
				61.50	63.00	Q290393	1.50	<0.005
				63.00	64.50	Q290394	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			64.50	66.00	Q290395	1.50	<0.005
			66.00	67.50	Q290396	1.50	<0.005
33.70	126.00	Vn;3%;Ca;In;30°;;					
		vein (5 mm - 10 cm) 3% calcite infilled fractures 30°					
		infilled and floodind calcite veinlets					
67.30	67.70	Jt; Gg; Gg	67.50	69.00	Q290397	1.50	<0.005
		Joint 60°; Fault gouge; Fault gouge					
		joint with green chloritized fault gouge					
67.70	68.10	Fln					
		Foliation 30°					
		moderate foliation					
68.10	69.10	FLT; Jt; Gg	69.00	70.50	Q290398	1.50	<0.005
		Fault 50°; Joint; Fault gouge					
		chloritized fault gouge in fault zone or joints					
69.10	79.10	Fln	70.50	72.00	Q290399	1.50	<0.005
		Foliation 40°	72.00	73.50	Q290402	1.50	<0.005
		5-40 DTCA weak to moderate foliation.	73.50	75.00	Q290403	1.50	<0.005
			75.00	76.50	Q290404	1.50	<0.005
			76.50	78.00	Q290405	1.50	<0.005
			78.00	79.50	Q290406	1.50	<0.005
			79.50	81.00	Q290407	1.50	<0.005
			81.00	82.50	Q290408	1.50	<0.005
			82.50	84.00	Q290409	1.50	<0.005
			84.00	85.50	Q290410	1.50	<0.005
			85.50	87.00	Q290411	1.50	<0.005
			87.00	88.50	Q290412	1.50	<0.005
			88.50	90.00	Q290413	1.50	<0.005
			90.00	91.50	Q290414	1.50	<0.005
			91.50	93.00	Q290415	1.50	<0.005
			93.00	94.50	Q290416	1.50	<0.005
			94.50	96.00	Q290417	1.50	<0.005
			96.00	97.50	Q290418	1.50	<0.005
			97.50	99.00	Q290419	1.50	<0.005
			99.00	100.50	Q290420	1.50	<0.005
			100.50	102.00	Q290421	1.50	<0.005
			102.00	103.50	Q290422	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			103.50	105.00	Q290423	1.50	<0.005
			105.00	106.50	Q290424	1.50	<0.005
			106.50	108.00	Q290427	1.50	<0.005
			108.00	109.50	Q290428	1.50	<0.005
			109.50	111.00	Q290429	1.50	<0.005
			111.00	112.50	Q290430	1.50	<0.005
			112.50	114.00	Q290431	1.50	<0.005
			114.00	115.50	Q290432	1.50	<0.005
			115.50	117.00	Q290433	1.50	<0.005
			117.00	118.50	Q290434	1.50	<0.005
			118.50	120.00	Q290435	1.50	<0.005
			120.00	121.50	Q290436	1.50	<0.005
			121.50	123.00	Q290437	1.50	<0.005
			123.00	124.50	Q290438	1.50	<0.005
			124.50	126.00	Q290439	1.50	<0.005
126.00	133.50	Vn;5%;Ca Qca;In;40°;;	126.00	127.50	Q290440	1.50	<0.005
		vein (5 mm - 10 cm) 5% calcite quartz-calcite infilled fractures 40°	127.50	129.00	Q290441	1.50	0.006
		Infilled 0.5-10 cm calcite and quartz veins	129.00	130.50	Q290442	1.50	0.008
			130.50	132.00	Q290443	1.50	0.012
			132.00	133.50	Q290444	1.50	0.012
133.50	150.00	Vn;2%;Ca Qak;In;30°;;	133.50	135.00	Q290445	1.50	0.011
		vein (5 mm - 10 cm) 2% calcite quartz-ankerite infilled fractures 30°	135.00	136.50	Q290446	1.50	0.015
		infilled and flooding calcite/ Quartz ankerite veins and veinlets	136.50	138.00	Q290447	1.50	0.119
138.00	142.30	Fln	138.00	139.50	Q290448	1.50	0.048
		Foliation 50°	139.50	141.00	Q290449	1.50	0.016
		weak pervasive foliation	141.00	142.50	Q290452	1.50	<0.005
142.50	207.60	V4; Tuff; Pyro	142.50	144.00	Q290453	1.50	0.021
		Trachyte 50°; TUFF; PYROCLASTIC	144.00	145.50	Q290454	1.50	0.009
		Green reddsih color trachyte flow, the unit has a med-coarse (2-3mm) groundmass contains irregular sharp or	145.50	147.00	Q290455	1.50	0.052
		rounded reddish clasts (homongeneous) which are 15% abundant and locallized elongated poumice. The unit	147.00	148.50	Q290456	1.50	0.091
		is non magnetic. There are 5% 1mm green chl grains within the matrix which appear to be lineated at 40dtca.	148.50	150.00	Q290457	1.50	<0.005
		Alteration consist of interse pervasive calcite-chlorite alteration. There is traces of pyrite.	150.00	151.50	Q290458	1.50	<0.005
		from 200m till the contact the unit becomes foliated (=30dtca). the Louwer Contact is sharp = 70dtca	151.50	153.00	Q290459	1.50	<0.005
			153.00	154.50	Q290460	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			154.50	156.00	Q290461	1.50	<0.005
			156.00	157.50	Q290462	1.50	<0.005
			157.50	159.00	Q290463	1.50	<0.005
			159.00	160.50	Q290464	1.50	<0.005
			160.50	162.00	Q290465	1.50	<0.005
			162.00	163.50	Q290466	1.50	<0.005
			163.50	165.00	Q290467	1.50	0.007
			165.00	166.50	Q290468	1.50	<0.005
166.50	171.00	Vt;2%;Ca;In;40°;;	166.50	168.00	Q290469	1.50	0.005
		veinlet (1-5 mm) 2% calcite infilled fractures 40°	168.00	169.50	Q290470	1.50	0.011
		calcite veinlets	169.50	171.00	Q290471	1.50	0.005
			171.00	172.50	Q290472	1.50	<0.005
			172.50	174.00	Q290473	1.50	<0.005
			174.00	175.50	Q290474	1.50	<0.005
			175.50	177.00	Q290477	1.50	<0.005
			177.00	178.50	Q290478	1.50	<0.005
			178.50	180.00	Q290479	1.50	<0.005
			180.00	181.50	Q290480	1.50	<0.005
			181.50	183.00	Q290481	1.50	<0.005
			183.00	184.50	Q290482	1.50	0.015
184.20	186.00	Vn;10%;Qak;In;70°;;	184.50	186.00	Q290483	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 70°					
		2 generation of pinkish quartz ankerite veins 0.5-2 cm 60-90 DTCA					
186.00	206.00	Cl03; Ca02	186.00	187.50	Q290484	1.50	<0.005
		Chlorite 3; Calcite 2	187.50	189.00	Q290485	1.50	<0.005
		Strong pervasive chlorite, moderate calcite					
189.00	192.00	Vn;2%;Qak;In;60°;;	189.00	190.50	Q290486	1.50	0.007
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 60°	190.50	192.00	Q290487	1.50	<0.005
		0.5-1 cm quartz ankerite veins	192.00	193.50	Q290488	1.50	<0.005
			193.50	195.00	Q290489	1.50	<0.005
			195.00	196.50	Q290490	1.50	<0.005
			196.50	198.00	Q290491	1.50	<0.005
			198.00	199.50	Q290492	1.50	<0.005
199.50	272.80	Fln	199.50	201.00	Q290493	1.50	<0.005
		Foliation 40°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		moderate foliation 30-50 DTCA					
201.00	216.00	Vn;5%;Qak;In;60°;;	201.00	202.50	Q290494	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60°	202.50	204.00	Q290495	1.50	<0.005
		0.5-10 cm quartz ankerite- chlorite quartz calcite veins	204.00	205.50	Q290496	1.50	<0.005
			205.50	207.00	Q290497	1.50	<0.005
206.00	214.00	Ca03; Cl03	207.00	208.50	Q290498	1.50	0.024
		Calcite 3; Chlorite 3					
		Strong pervasive chlorite and calcite					
207.60	235.00	V4; Tuff; Pyro	208.50	210.00	Q290499	1.50	0.016
		Trachyte 70°; TUFF; PYROCLASTIC	210.00	211.50	Q290502	1.50	0.08
		green grey fine grained trachyte tuff. The tuff alternated between massive layers and finely laminated/foliated	211.50	213.00	Q290503	1.50	0.012
		layers (30-40dtca). The unit is patchy sericite alteration following de weak deformation and strongly magnetic	213.00	214.50	Q290504	1.50	<0.005
		with 0.5-10 cm quartz-calcite-ankerite cross-cutting the unit. There is traces of pyrite					
214.00	235.50	Cl03; Ca02	214.50	216.00	Q290505	1.50	0.105
		Chlorite 3; Calcite 2	216.00	217.50	Q290506	1.50	0.061
		Strong chlorite alteration, moderate intermittant calcite(localized in viens and veinlets). Spotty weak					
		sericite					
216.70	217.20	Vm;30%;Qak;In;40°;;					
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 40°					
		pinkish quartz-ankerite calcite vein					
217.20	220.50	Vn;3%;Qak;In;70°;;	217.50	219.00	Q290507	1.50	0.007
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°	219.00	220.50	Q290508	1.50	0.006
		0.5-2 cm quartz-ankerite veins and veinlets	220.50	222.00	Q290509	1.50	0.005
			222.00	223.50	Q290510	1.50	<0.005
223.50	231.40	Vn;10%;Qak;In;60°;;	223.50	225.00	Q290511	1.50	0.022
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 60°	225.00	226.50	Q290512	1.50	0.021
		Quartz ankerite0.5 - 10 cm quartz ankerite- calcite -chlorite veins	226.50	228.00	Q290513	1.50	0.019
			228.00	229.50	Q290514	1.50	0.01
			229.50	231.00	Q290515	1.50	0.006
			231.00	232.50	Q290516	1.50	0.014
			232.50	234.00	Q290517	1.50	<0.005
			234.00	235.50	Q290518	1.50	<0.005
235.00	351.90	V4; Tuff; Pyro; Fol					
		Trachyte; TUFF; PYROCLASTIC; Foliated					
		Greenish color trachyte flow, the unit has a medium to coarse (1-2mm) groundmass contains irregular or					
		rounded whitish-pinkish clasts which are 10% abundant. The unit is moderatelly foliated 40-60 DTCA with					
		localized moderte to weak magnetism. Patchy weak deformation underline by 10-30 cm crenulation observe.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Alteration consist of intense pervasive chlorite alteration and weak moderate localized sericite. Weak patchy potassic and calcite. There is traces to 0.5% euhedral and fine grained pyrite.					
235.50	240.00	Cl03; Ank02; Se01; Se	235.50	237.00	Q290519	1.50	0.008
		Chlorite 3; Ankerite 2; Sericite 1; Sericite	237.00	238.50	Q290520	1.50	0.213
		strongly altered to chlorite, spotty weak sericite	238.50	240.00	Q290521	1.50	0.098
240.00	273.00	Cl03; Ank02; Ca01; K01; Se01	240.00	241.50	Q290522	1.50	<0.005
		Chlorite 3; Ankerite 2; Calcite 1; Potassic 1; Sericite 1	241.50	243.00	Q290523	1.50	<0.005
		strong pervasive chlorite, moderate to weak ankerite, weak or along foliation sericite, spotty weak potassic alteration.	243.00	244.50	Q290524	1.50	0.079
			244.50	246.00	Q290527	1.50	0.012
			246.00	247.50	Q290528	1.50	0.013
246.50	247.80	Vn;3%;Qak;In;60°;;	247.50	249.00	Q290529	1.50	0.028
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°	249.00	250.50	Q290530	1.50	0.018
		2-5 cm quartz-ankerite veins	250.50	252.00	Q290531	1.50	0.01
			252.00	253.50	Q290532	1.50	0.012
			253.50	255.00	Q290533	1.50	0.008
			255.00	256.50	Q290534	1.50	<0.005
			256.50	258.00	Q290535	1.50	<0.005
			258.00	259.50	Q290536	1.50	<0.005
			259.50	261.00	Q290537	1.50	0.005
			261.00	262.50	Q290538	1.50	0.013
			262.50	264.00	Q290539	1.50	0.009
			264.00	265.50	Q290540	1.50	0.006
			265.50	267.00	Q290541	1.50	<0.005
266.40	267.00	Vn;3%;Qak;In;70°;;	267.00	268.50	Q290542	1.50	0.019
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°	268.50	270.00	Q290543	1.50	0.017
		quartz-ankerite 0.507 cm	270.00	271.50	Q290544	1.50	<0.005
			271.50	273.00	Q290545	1.50	0.111
272.80	275.00	Fln; Crn					
		Foliation 30°; Crenulation					
		weak spotty crenulations // foliation					
273.00	297.00	Cl03; Ca02; Ank01; K01; Se01	273.00	274.50	Q290546	1.50	0.912
		Chlorite 3; Calcite 2; Ankerite 1; Potassic 1; Sericite 1	274.50	276.00	Q290547	1.50	<0.005
		Strong pervasive chlorite, moderate pervasive chlorite, weak spotty ankerite-potassic, spotty sericite					
275.00	287.00	Fln	276.00	277.50	Q290548	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Foliation 50°	277.50	279.00	Q290549	1.50	<0.005
		weak	279.00	280.50	Q290552	1.50	<0.005
			280.50	282.00	Q290553	1.50	0.027
			282.00	283.50	Q290554	1.50	0.018
			283.50	285.00	Q290555	1.50	0.021
			285.00	286.50	Q290556	1.50	<0.005
286.50	290.50	Vn;3%;Qak;In;40°;;	286.50	288.00	Q290557	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40°					
		0.5-1cm quartz-ankerite veins					
287.00	297.00	Fln	288.00	289.50	Q290558	1.50	0.542
		Foliation 40°	289.50	291.00	Q290559	1.50	0.196
		moderate to weak foliation					
291.00	292.50	Py00.5	291.00	292.50	Q290560	1.50	0.349
		Pyrite 0.5%					
		euhedral pyrite disseminated					
292.50	294.00	Py00.5	292.50	294.00	Q290561	1.50	0.229
		Pyrite 0.5%					
		euhedral pyrite disseminated					
293.50	301.50	Vn;5%;Qak;In;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures					
		2- 10 cm quartz-ankerite					
294.00	295.50	Py00.5	294.00	295.50	Q290562	1.50	0.011
		Pyrite 0.5%					
		euhedral pyrite disseminated					
295.50	297.00	Py00.5	295.50	297.00	Q290563	1.50	0.016
		Pyrite 0.5%					
		euhedral pyrite disseminated					
297.00	310.00	Ank02; Se02; Cl02	297.00	298.50	Q290564	1.50	0.006
		Ankerite 2; Sericite 2; Chlorite 2					
		Moderate pervasive chlorite,-ankerite and potassic alteration,					
297.00	297.11	FLT; Gg					
		Fault 40°; Fault gouge					
		Fault with chloritic fault gouge					
297.00	298.50	Py00.5					
		Pyrite 0.5%					
		euhedral pyrite disseminated					
297.11	352.00	Fln					
		Foliation 50°					
		weak to moderate foliation 30-70 DTCA					

Description			Assay				
			From	To	Sample number	Length	AuBest
298.50	300.00	Py00.5	298.50	300.00	Q290565	1.50	0.133
		Pyrite 0.5%					
		euhedral pyrite disseminated and stringers pyrite					
300.00	301.50	Py00.5	300.00	301.50	Q290566	1.50	0.772
		Pyrite 0.5%					
		euhedral pyrite disseminated					
301.50	303.00	Py00.5	301.50	303.00	Q290567	1.50	1.5
		Pyrite 0.5%					
		euhedral pyrite disseminated					
303.00	304.50	Py00.5	303.00	304.50	Q290568	1.50	0.176
		Pyrite 0.5%					
		euhedral pyrite disseminated					
304.50	306.00	Py00.5	304.50	306.00	Q290569	1.50	0.015
		Pyrite 0.5%					
		euhedral pyrite disseminated					
306.00	307.50	Py00.7	306.00	307.50	Q290570	1.50	1.805
		Pyrite 0.7%					
		euhedral pyrite disseminated					
307.50	309.00	Py00.5	307.50	309.00	Q290571	1.50	0.527
		Pyrite 0.5%					
		euhedral pyrite disseminated					
308.10	309.50	Vm;70%;Qak;In;80°;;					
		major vein (10 cm or greater) 70% quartz-ankerite infilled fractures 80°					
		pinkish quartz-ankerite veins with fragments of sericitized trachyte tuff,					
309.00	310.50	Py00.5	309.00	310.50	Q290572	1.50	0.006
		Pyrite 0.5%					
		euhedral pyrite					
310.00	319.50	Cl03; Ank02					
		Chlorite 3; Ankerite 2					
		Strong chlorite, moderate ankerite, weak spotty sericite					
310.40	313.50	Vn;5%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 40°					
		0.5-1 m pinkish Quartz ankerite veins 30-50 DTCA.					
310.50	312.00	Py00.2	310.50	312.00	Q290573	1.50	<0.005
		Pyrite 0.2%					
		traces					
312.00	313.50	Py00.2	312.00	313.50	Q290574	1.50	0.014
		Pyrite 0.2%					
		Traces of pyrite					
313.50	315.00	Py00.2	313.50	315.00	Q290577	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		0.2					
315.00	316.50	Py00.2	315.00	316.50	Q290578	1.50	0.013
		Pyrite 0.2%					
		traces					
316.50	318.00	Py00.2	316.50	318.00	Q290579	1.50	0.018
		Pyrite 0.2%					
		traces					
316.70	318.00	Vn;70%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 70% quartz-ankerite infilled fractures 70°					
		10-50 cm pinkish quartz-ankerite					
318.00	319.50	Py00.2	318.00	319.50	Q290580	1.50	0.015
		Pyrite 0.2%					
		traces					
319.50	326.00	Cl03; Ank02; Ca01	319.50	321.00	Q290581	1.50	0.044
		Chlorite 3; Ankerite 2; Calcite 1					
		Strong chlorite, moderate ankerite, intermitant moderate calcite					
319.50	321.00	Py00.2					
		Pyrite 0.2%					
		traces					
321.00	322.50	Py00.2	321.00	322.50	Q290582	1.50	0.04
		Pyrite 0.2%					
		traces					
322.50	324.00	Py00.2	322.50	324.00	Q290583	1.50	0.022
		Pyrite 0.2%					
		traces					
324.00	325.50	Py00.2	324.00	325.50	Q290584	1.50	0.025
		Pyrite 0.2%					
		traces					
325.50	327.00	Py00.2	325.50	327.00	Q290585	1.50	0.007
		Pyrite 0.2%					
		traces					
326.00	363.70	Cl03; Ank02; Se01					
		Chlorite 3; Ankerite 2; Sericite 1					
		strong pervasive chlorite, moderate ankerite, weak spotty sericite					
327.00	328.50	Py00.2	327.00	328.50	Q290586	1.50	0.009
		Pyrite 0.2%					
		traces					
328.50	330.00	Py00.2					
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
328.50	330.70	Vn;3%;Qak Ak;In;40°;;	328.50	330.00	Q290587	1.50	0.006
		vein (5 mm - 10 cm) 3% quartz-ankerite ankerite infilled fractures 40°					
		1-4 cm quartz-ankerite/ ankerite veins					
330.00	331.50	Py00.2	330.00	331.50	Q290588	1.50	0.016
		Pyrite 0.2%					
		traces					
331.50	333.00	Py00.2	331.50	333.00	Q290589	1.50	0.008
		Pyrite 0.2%					
		traces					
333.00	334.50	Py00.2					
		Pyrite 0.2%					
		Traces of euhedral pyrite					
333.00	377.00	Vn;3%;Ak;In;50°;;	333.00	334.50	Q290590	1.50	0.011
		vein (5 mm - 10 cm) 3% ankerite infilled fractures 50°					
		Quartz-ankerite 0.5-2 cm quartz-ankerite veins.					
334.50	336.00	Py00.2	334.50	336.00	Q290591	1.50	<0.005
		Pyrite 0.2%					
		traces					
336.00	337.50	Py00.2	336.00	337.50	Q290592	1.50	0.005
		Pyrite 0.2%					
		traces					
337.50	339.00	Py00.2	337.50	339.00	Q290593	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
339.00	340.50	Py00.2	339.00	340.50	Q290594	1.50	0.005
		Pyrite 0.2%					
		traces					
340.50	342.00	Py00.1	340.50	342.00	Q290595	1.50	0.048
		Pyrite 0.1%					
		traces					
342.00	343.50	Py00.1	342.00	343.50	Q290596	1.50	<0.005
		Pyrite 0.1%					
		traces					
343.50	345.00	Py00.1	343.50	345.00	Q290597	1.50	<0.005
		Pyrite 0.1%					
		traces					
345.00	346.50	Py00.1	345.00	346.50	Q290598	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
346.50	348.00	Py00.2 **Pyrite 0.2%** traces	346.50	348.00	Q290599	1.50	<0.005
348.00	349.50	Py00.2 **Pyrite 0.2%** traces	348.00	349.50	Q290602	1.50	<0.005
349.50	351.00	Py00.2 **Pyrite 0.2%** traces	349.50	351.00	Q290603	1.50	<0.005
351.00	352.50	Py00.2 **Pyrite 0.2%** traces	351.00	352.50	Q290604	1.50	0.007
351.90	488.50	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Green patchy lightly red mafic trachyte (lapilli tuff), fine to medium grained with beige stretched lapilli foliated at 30-40 DTCA, The unit is moderately laminated or banding with localized moderate to strong ductile deformations, crenulations and S-C deformations obversed in the segregated quartz-ankerite feldspar-chlorite 0.5-2 cm layers. the upper unit is weak to moderate magnetic (352-446 m) the rest of the unit is strongly magnetic. It's mineralized trace-0.5% of pyrite					
352.00	354.10	FracZn; JtSS; Gg; Bxh **Fracture Zone 40°; Joint with slickensides; Fault gouge; Breccia healed** Hightly fracture zone with localized breccia 351.90-352.30 m, joints fill of chloritized fault gouge.					
352.50	354.00	Py00.2 **Pyrite 0.2%** traces	352.50	354.00	Q290605	1.50	<0.005
354.00	355.50	Py00.2 **Pyrite 0.2%** traces	354.00	355.50	Q290606	1.50	<0.005
354.10	376.50	Fln **Foliation 60°** moderate to strong foliation foliation 40-80 DTCA					
355.50	357.00	Py00.2 **Pyrite 0.2%** traces	355.50	357.00	Q290607	1.50	<0.005
357.00	358.50	Py00.2 **Pyrite 0.2%** traces	357.00	358.50	Q290608	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
358.50	360.00	Py00.2 **Pyrite 0.2%** traces	358.50	360.00	Q290609	1.50	<0.005
360.00	361.50	Py00.2 **Pyrite 0.2%** traces	360.00	361.50	Q290610	1.50	<0.005
361.50	363.00	Py00.2 **Pyrite 0.2%** traces	361.50	363.00	Q290611	1.50	<0.005
363.00	364.50	Py00.5 **Pyrite 0.5%** fine grained pyrite	363.00	364.50	Q290612	1.50	0.434
363.70	405.50	Ank03; Cl03; Se02; Ca01 **Ankerite 3; Chlorite 3; Sericite 2; Calcite 1** Strong ankerite-chlorite alteration, moderate spotty sericite(stringers or // foliation), localized weak potassic alteration, localized calcite in veins					
364.50	366.00	Py00.2 **Pyrite 0.2%** traces	364.50	366.00	Q290613	1.50	0.03
366.00	367.50	Py00.2 **Pyrite 0.2%** traces	366.00	367.50	Q290614	1.50	0.02
367.50	369.00	Py00.2 **Pyrite 0.2%** traces	367.50	369.00	Q290615	1.50	0.008
369.00	370.50	Py00.2 **Pyrite 0.2%** traces	369.00	370.50	Q290616	1.50	0.005
370.50	372.00	Py00.2 **Pyrite 0.2%** traces	370.50	372.00	Q290617	1.50	0.01
372.00	373.50	Py00.2 **Pyrite 0.2%** traces	372.00	373.50	Q290618	1.50	<0.005
373.50	375.00	Py00.2 **Pyrite 0.2%** traces	373.50	375.00	Q290619	1.50	<0.005
375.00	376.50	Py00.2 **Pyrite 0.2%** traces	375.00	376.50	Q290620	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
376.50	376.53	Gg; Jt					
		Fault gouge 60°; Joint					
		Joint with fault gouge					
376.50	378.00	Py00.5	376.50	378.00	Q290621	1.50	<0.005
		Pyrite 0.5%					
		traces of pyrite					
376.53	386.00	Fln; FracZn					
		Foliation 50°; Fracture Zone					
		Moderate to strong foliation, c-s deformation,					
378.00	379.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
378.00	386.00	Vn;10%;Qak;In;60°;;	378.00	379.50	Q290622	1.50	<0.005
		vein (5 mm - 10 cm) 10% infilled fractures 60°					
		quartz ankerite veins 2-10 cm 50-70 DTCA					
379.50	381.00	Py00.1	379.50	381.00	Q290623	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
381.00	382.50	Py00.1	381.00	382.50	Q290624	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
382.50	384.00	Py00.1	382.50	384.00	Q290627	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
384.00	385.50	Py00.1	384.00	385.50	Q290628	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
385.50	387.00	Py00.1	385.50	387.00	Q290629	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
386.00	386.30	Shrh; Shrh; Gg					
		Shear healed 40°; Shear healed; Fault gouge					
		shear zone with chloritic fault gouge.					
386.30	445.00	Fln; DZ					
		Foliation 40°; Deformation Zone					
		intense foliation with C-S deformation, locallysed crenulatons					
387.00	388.50	Py00.1	387.00	388.50	Q290630	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
388.50	390.00	Py00.1	388.50	390.00	Q290631	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
390.00	391.50	Py00.1	390.00	391.50	Q290632	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
391.50	393.00	Py00.1	391.50	393.00	Q290633	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
393.00	394.50	Py00.1	393.00	394.50	Q290634	1.50	<0.005
		Pyrite 0.1%					
		Traces of pyrite					
394.50	396.00	Py00.1	394.50	396.00	Q290635	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
396.00	397.50	Py00.1	396.00	397.50	Q290636	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
397.50	399.00	Py00.1	397.50	399.00	Q290637	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
399.00	400.50	Py00.1	399.00	400.50	Q290638	1.50	0.012
		Pyrite 0.1%					
		traces of pyrite					
399.50	445.50	Vn;5%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 40°					
		Quartz ankerite veins 30-60 DTCA 0.5-4 cm					
400.50	402.00	Py00.1	400.50	402.00	Q290639	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
402.00	403.50	Py00.1	402.00	403.50	Q290640	1.50	0.022
		Pyrite 0.1%					
		traces of pyrite					
403.50	405.00	Py00.1	403.50	405.00	Q290641	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
405.00	406.50	Py00.1	405.00	406.50	Q290642	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
405.50	417.00	Cl03; Ank02; Se01					
		Chlorite 3; Ankerite 2; Sericite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong pervasive chlorite, moderate ankerite, spotty sericite locally parallel foliation.					
406.50	408.00	Py00.1	406.50	408.00	Q290643	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
408.00	409.50	Py00.1	408.00	409.50	Q290644	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
409.50	411.00	Py00.1	409.50	411.00	Q290645	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
411.00	412.50	Py00.2	411.00	412.50	Q290646	1.50	0.086
		Pyrite 0.2%					
		traces of pyrite					
412.50	414.00	Py00.2	412.50	414.00	Q290647	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
414.00	415.50	Py00.2	414.00	415.50	Q290648	1.50	0.029
		Pyrite 0.2%					
		traces of euhedral pyrite					
415.50	417.00	Py00.2	415.50	417.00	Q290649	1.50	0.037
		Pyrite 0.2%					
		traces of pyrite					
417.00	445.00	Cl03; Ca02; Ank01; Se01	417.00	418.50	Q290652	1.50	0.013
		Chlorite 3; Calcite 2; Ankerite 1; Sericite 1					
		Strong pervasive chlorite, moderate calcite, weak spotty ankerite and sericite					
417.00	418.50	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
418.50	420.00	Py00.5	418.50	420.00	Q290653	1.50	0.256
		Pyrite 0.5%					
		euhedral pyrite locally in veins					
420.00	421.50	Py00.1	420.00	421.50	Q290654	1.50	0.042
		Pyrite 0.1%					
		traces of pyrite					
421.50	423.00	Py00.1	421.50	423.00	Q290655	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
423.00	424.50	Py00.1	423.00	424.50	Q290656	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
424.50	426.00	Py00.2 **Pyrite 0.2%** traces of pyrite	424.50	426.00	Q290657	1.50	0.028
426.00	427.50	Py00.1 **Pyrite 0.1%** traces of pyrite	426.00	427.50	Q290658	1.50	0.062
427.50	429.00	Py00.1 **Pyrite 0.1%** traces of pyrite	427.50	429.00	Q290659	1.50	0.021
429.00	430.50	Py00.1 **Pyrite 0.1%** traces of pyrite	429.00	430.50	Q290660	1.50	0.009
430.50	432.00	Py00.1 **Pyrite 0.1%** traces of pyrite	430.50	432.00	Q290661	1.50	<0.005
432.00	433.50	Py00.1 **Pyrite 0.1%** traces of pyrite	432.00	433.50	Q290662	1.50	<0.005
433.50	435.00	Py00.1 **Pyrite 0.1%** traces of pyrite	433.50	435.00	Q290663	1.50	<0.005
435.00	436.50	Py00.1 **Pyrite 0.1%** traces of pyrite	435.00	436.50	Q290664	1.50	0.013
436.50	438.00	Py00.1 **Pyrite 0.1%** traces of pyrite	436.50	438.00	Q290665	1.50	<0.005
438.00	439.50	Py00.1 **Pyrite 0.1%** traces of pyrite	438.00	439.50	Q290666	1.50	<0.005
439.50	441.00	Py00.1 **Pyrite 0.1%** traces of pyrite	439.50	441.00	Q290667	1.50	0.005
441.00	442.50	Py00.1 **Pyrite 0.1%** traces of pyrite	441.00	442.50	Q290668	1.50	<0.005
442.50	444.00	Py00.2 **Pyrite 0.2%** traces of pyrite	442.50	444.00	Q290669	1.50	<0.005
444.00	445.50	Py00.1	444.00	445.50	Q290670	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
445.00	465.20	Ank03; Cl03; Se01					
		Ankerite 3; Chlorite 3; Sericite 1					
		Strong pervasive ankerite chlorite alteration, spotty weak-potassic an d sericite					
445.50	447.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
445.50	449.00	Vn;2%;Qak;In;10°;;	445.50	447.00	Q290671	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 10°					
		quartz-ankerite voggy veins					
447.00	448.50	Py00.1	447.00	448.50	Q290672	1.50	<0.005
		Pyrite 0.1%					
		traces					
448.50	450.00	Py00.2	448.50	450.00	Q290673	1.50	<0.005
		Pyrite 0.2%					
		traces euhedral pyrite					
450.00	460.00	Py00.1	450.00	451.50	Q290674	1.50	<0.005
		Pyrite 0.1%					
		tracea of pyrite					
450.50	452.00	Vn;;Qak;In;70°;;	451.50	453.00	Q290677	1.50	<0.005
		vein (5 mm - 10 cm) quartz-ankerite infilled fractures 70°	453.00	454.50	Q290678	1.50	<0.005
		Pinkish quartz-ankerite 1-9 cm 60-90 DTCA	454.50	456.00	Q290679	1.50	0.005
			456.00	457.50	Q290680	1.50	<0.005
			457.50	459.00	Q290681	1.50	<0.005
459.00	460.30	Vn;50%;Qak;In;60°;;	459.00	460.50	Q290682	1.50	<0.005
		vein (5 mm - 10 cm) 50% quartz-ankerite infilled fractures 60°					
		5-10 cm pinkish quartz-ankerite. veins					
460.00	488.50	Py00.1	460.50	462.00	Q290683	1.50	<0.005
		Pyrite 0.1%	462.00	463.50	Q290684	1.50	0.017
		traces	463.50	465.00	Q290685	1.50	0.013
465.00	467.20	Vn;10%;Qak Ca;In;60°;;	465.00	466.50	Q290686	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite calcite infilled fractures 60°					
		4-10 cm quartz-ankerite-calcite veins locally with sub euhadral fragments of mafic trachyte.					
465.20	488.50	Cl03; Ca02; Ank01; Se01	466.50	468.00	Q290687	1.50	<0.005
		Chlorite 3; Calcite 2; Ankerite 1; Sericite 1	468.00	469.50	Q290688	1.50	<0.005
		Intense pervasive ankerite, moderate pervasive calcite alteration, localized calcite stringers veinlets	469.50	471.00	Q290689	1.50	<0.005
			471.00	472.50	Q290690	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
472.00	483.00	Vn;5%;Qak Ca;In;60°;;	472.50	474.00	Q290691	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite calcite infilled fractures 60°	474.00	475.50	Q290692	1.50	<0.005
		1-10 cm quartz ankerite/ calcite veins	475.50	477.00	Q290693	1.50	<0.005
			477.00	478.50	Q290694	1.50	<0.005
			478.50	480.00	Q290695	1.50	<0.005
			480.00	481.50	Q290696	1.50	<0.005
			481.50	483.00	Q290697	1.50	0.006
			483.00	484.50	Q290698	1.50	0.008
			484.50	486.00	Q290699	1.50	0.006
			486.00	487.50	Q290702	1.50	0.006
			487.50	488.80	Q290703	1.30	<0.005
488.80	**End of DDH**						
	Number of samples: 304						
	Number of QAQC samples: 28						
	Total sampled length: 455.10						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_51

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Celine Sperandio - Gilles Kamta	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	15/03/2014	Description date:	27/03/2014
		To:	20/03/2014		

Collar

Azimuth:	0.0°
Dip:	-50.0°
Length:	549.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,407.155
North	0.0	0.000	5,331,218.633
Elevation	0.0	0.000	342.173

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	120.00	356.2°	-53.5°	No	Mag = 55898
ReflexEZS	180.00	354.5°	-52.8°	No	Mag = 55291
ReflexEZS	240.00	355.2°	-51.9°	No	Mag = 55294
ReflexEZS	300.00	356.7°	-50.9°	No	Mag = 55993
ReflexEZS	357.00	357.3°	-50.2°	No	Mag = 55929
ReflexEZS	420.00	358.1°	-49.4°	No	Mag = 55553
ReflexEZS	480.00	1.9°	-49.2°	No	Mag = 55217
ReflexEZS	540.00	2.1°	-48.1°	No	Mag = 55128

Description

Re_logging by Reza Hosseinnejad Aug. 28, 2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	100.00	OVB; Undie **Overburden; UNDEFINED** Overburden					
100.00	125.00	V4; LapTuff **Trachyte; LAPILLI TUFF/AGGLOMERATE** Grey to green color fine grained tuffaceous trachyte moderate to strong foliation @40 dtca trachyte lapilli tuff that moderately localized by fractures and micro fractures. The first 25 meters has lapilli texture and then the abundance of lapilli decrease in the down hole. Few iron oxidized on fractures. Quartz ankerite-feldspar reddish veinlets and stringers cross cutting foliation @ variable up to 8%. Fine pyrite disseminated 0.5 intermittent. Magnetism is generally strong and pervasive, ankerite also is pervasive and moderate, non calcitic. Locally intersected by 10-20 cm of altered trachyte. 117.70-121This interval shows moderate to strong shearing, deformation and albetite alteration. There is no mineralization associated with this structure.					
100.00	117.70	Ank02; Cl01; K01 **Ankerite 2; Chlorite 1; Potassic 1** Moderate pervasive ankerite, intermittent chlorite and selective potassic due to quartz veins and veinlet alteration.					
100.00	125.00	Py00.5 **Pyrite 0.5%** Fine to coarse grained disseminated pyrite up 0.5%.	100.00	101.00	Q288073	1.00	0.101
			101.00	102.00	Q288074	1.00	0.158
			102.00	103.50	Q288077	1.50	0.317
			103.50	105.00	Q288078	1.50	0.044
			105.00	106.50	Q288079	1.50	0.057
			106.50	108.00	Q288080	1.50	0.37
			108.00	109.50	Q288081	1.50	0.17
			109.50	111.00	Q288082	1.50	0.167
111.00	128.00	Vt;5%;Qak;St;;Py00; **veinlet (1-5 mm) 5% quartz-ankerite stringers Pyrite 0%** veinlet (1-5 mm) 5% quartz-ankerite stringers Pyrite 0% .	111.00	112.50	Q288083	1.50	0.271
			112.50	114.00	Q288084	1.50	0.238
			114.00	115.50	Q288085	1.50	0.185
			115.50	117.00	Q288086	1.50	0.189
117.00	121.00	DZ; Shrh **Deformation Zone; Shear healed** This interval shows Moderate to strong shearing and deformation and albetite alteration. There is no mineralization associated with this structure.	117.00	118.50	Q288087	1.50	0.107
117.70	121.00	Ank02; Alb02 **Ankerite 2; Albite 2** Moerate to strong albetite and ankerite alteration.	118.50	120.00	Q288088	1.50	0.074
			120.00	121.50	Q288089	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
121.00	125.00	Cl01; Ank01 **Chlorite 1; Ankerite 1** weak pervasive ankerite and chlorite alteration.	121.50	123.00	Q288090	1.50	0.006
			123.00	124.50	Q288091	1.50	0.023
			124.50	126.00	Q288092	1.50	0.018
125.00	364.50	V4; Tuff **Trachyte; TUFF** An irregular massive glassy vein wide 4 cm including quartz ankerite vein marks well defined contact of next unit. This is dark grey green, fine grained trachyte tuff/lapilli tuff well foliated @ 45 dtca with flow intersection. Somewhere the rock shows lapilli texture and the lapilli goes in and out. This interval pervades with disseminated calcitic spots, blebs and wispy. The rock is intermittent intense to non magnetism, weak to moderate calcitic and non ankretic. At the beginning quartz veining is trace but in the down hole reaches to 10% intermittently with moderate potassic alteration. The tuff is weakly fractured micro fractured with calcite filling. Moderately iron oxidised at fractures. Fine pyrite disseminated traces to 0.5%. In fact we know in this unit a there is not gold mineralization. From 271-283.50 the rock contains 10-15% ellipsoidal shape feldspatic phenoes (lapilli) wide 3-4mm that are overprinted by pinkish calcite. 324-332 and 352-361 localized deformation and crenulations.	126.00	127.50	Q288093	1.50	0.013
			127.50	129.00	Q288094	1.50	0.012
			129.00	130.50	Q288095	1.50	0.006
			130.50	132.00	Q288096	1.50	0.006
			132.00	133.50	Q288097	1.50	<0.005
125.00	164.00	Ca01 **Calcite 1** Weak calcite veinlets alteration.					
125.00	165.00	Py00.01 **Pyrite 0.01%** Trace					
132.40	132.43	Vn;95%;Qak;Vc;45°;Py00; **vein (5 mm - 10 cm) 95% quartz-ankerite vein cross-cutting foliation 45° Pyrite 0%** A quartz-ankerite vein wide 3 cm cross cut the unit @ 45dtca. There is no mineralization associated with this vein.	133.50	135.00	Q288098	1.50	0.005
			135.00	136.50	Q288099	1.50	<0.005
			136.50	138.00	Q288102	1.50	0.006
			138.00	139.50	Q288103	1.50	0.011
			139.50	141.00	Q288104	1.50	<0.005
			141.00	142.50	Q288105	1.50	<0.005
			142.50	143.50	Q288106	1.00	0.006
			143.50	145.00	Q288107	1.50	0.017
			145.00	146.50	Q288108	1.50	0.012
			146.50	148.00	Q288109	1.50	<0.005
			148.00	149.50	Q288110	1.50	<0.005
			149.50	151.00	Q288111	1.50	0.013
			151.00	152.50	Q288112	1.50	0.011
			152.50	154.00	Q288113	1.50	0.017

Description			Assay				
			From	To	Sample number	Length	AuBest
			154.00	155.50	Q288114	1.50	0.007
			155.50	157.00	Q288115	1.50	<0.005
			157.00	158.50	Q288116	1.50	0.037
			158.50	160.00	Q288117	1.50	0.015
			160.00	161.50	Q288118	1.50	0.012
			161.50	163.00	Q288119	1.50	0.005
			163.00	164.50	Q288120	1.50	0.015
164.00	184.00	Cl01; Se00.5	164.50	166.00	Q288121	1.50	0.005
		Chlorite 1; Sericite 0.5					
		Intermittent very weak sericite and weak chlorite alteration.					
165.00	236.00	Py00.1	166.00	167.50	Q288122	1.50	<0.005
		Pyrite 0.1%	167.50	169.00	Q288123	1.50	0.01
		Trace	169.00	170.50	Q288124	1.50	0.008
			170.50	172.00	Q288127	1.50	0.017
			172.00	173.50	Q288128	1.50	0.011
			173.50	175.00	Q288129	1.50	0.013
			175.00	176.50	Q288130	1.50	0.009
			176.50	178.00	Q288131	1.50	0.012
			178.00	179.50	Q288132	1.50	0.014
			179.50	181.00	Q288133	1.50	0.007
			181.00	182.50	Q288134	1.50	0.005
			182.50	184.00	Q288135	1.50	0.01
184.00	249.00	Se00.5; Cl01; Ca01; K02	184.00	185.50	Q288136	1.50	0.005
		Sericite 0.5; Chlorite 1; Calcite 1; Potassic 2					
		Sellective moderate potassic associated with ankerite-quartz veins and Intermittent very weak sericite and weak chlorite and modertae calcite alteration.					
185.50	190.50	Vn;30%;Qac Cr;In;;Py00;	185.50	187.00	Q288137	1.50	0.038
		vein (5 mm - 10 cm) 30% quartz-ankerite-chlorite carbonate infilled fractures Pyrite 0%	187.00	188.50	Q288138	1.50	0.005
		At least with two generation, a series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes and second one with more than 80% quartz cross the unit .	188.50	190.00	Q288139	1.50	0.011
			190.00	191.50	Q288140	1.50	0.005
			191.50	193.00	Q288141	1.50	<0.005
			193.00	194.50	Q288142	1.50	<0.005
			194.50	196.00	Q288143	1.50	<0.005
			196.00	197.50	Q288144	1.50	<0.005
			197.50	199.00	Q288145	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			199.00	200.50	Q288146	1.50	<0.005
			200.50	202.00	Q288147	1.50	0.005
			202.00	203.50	Q288148	1.50	<0.005
			203.50	205.00	Q288149	1.50	<0.005
			205.00	206.50	Q288152	1.50	0.005
			206.50	208.00	Q288153	1.50	<0.005
			208.00	209.50	Q288154	1.50	0.005
			209.50	211.00	Q288155	1.50	<0.005
			211.00	212.50	Q288156	1.50	<0.005
			212.50	214.00	Q288157	1.50	<0.005
			214.00	215.50	Q288158	1.50	<0.005
			215.50	217.00	Q288159	1.50	<0.005
			217.00	218.50	Q288160	1.50	<0.005
			218.50	220.00	Q288161	1.50	<0.005
			220.00	221.50	Q288162	1.50	0.005
220.20	225.20	Vn;25%;Qac Cr;In;;Py00;	221.50	223.00	Q288163	1.50	0.018
		vein (5 mm - 10 cm) 25% quartz-ankerite-chlorite carbonate infilled fractures Pyrite 0%	223.00	224.50	Q288164	1.50	0.013
		A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes	224.50	226.00	Q288165	1.50	0.019
		cross the unit . The second series with grey quartz 80% and ankerite 20%. At least with two generation.	226.00	227.50	Q288166	1.50	<0.005
			227.50	229.00	Q288167	1.50	0.011
			229.00	230.50	Q288168	1.50	0.017
			230.50	232.00	Q288169	1.50	<0.005
			232.00	233.50	Q288170	1.50	0.007
			233.50	235.00	Q288171	1.50	<0.005
			235.00	236.50	Q288172	1.50	<0.005
236.00	246.00	Py00.2	236.50	238.00	Q288173	1.50	<0.005
		Pyrite 0.2%					
		Trace eheadrul					
237.10	237.50	Vn;75%;Qak Cl;In;;Py00.2;	238.00	239.50	Q288174	1.50	0.005
		vein (5 mm - 10 cm) 75% quartz-ankerite chlorite infilled fractures Pyrite 0.2%	239.50	241.00	Q288177	1.50	0.005
		A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes	241.00	242.50	Q288178	1.50	<0.005
		cross the unit .	242.50	244.00	Q288179	1.50	0.013
			244.00	245.50	Q288180	1.50	0.012
			245.50	247.00	Q288181	1.50	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
245.60	248.25	Vn;30%;Qak;In;;Py00.2; **vein (5 mm - 10 cm) 30% quartz-ankerite infilled fractures Pyrite 0.2%** A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes cross the unit.					
246.00	300.00	Py00.3 **Pyrite 0.3%** Trace pyrite stringers	247.00	248.50	Q288182	1.50	0.008
			248.50	250.00	Q288183	1.50	<0.005
249.00	266.00	Se01; Ca01 **Sericite 1; Calcite 1** Intermittent weak calcite and sericite alteration.	250.00	251.50	Q288184	1.50	<0.005
			251.50	253.00	Q288185	1.50	<0.005
			253.00	254.50	Q288186	1.50	<0.005
			254.50	256.00	Q288187	1.50	<0.005
			256.00	257.50	Q288188	1.50	<0.005
			257.50	259.00	Q288189	1.50	<0.005
			259.00	260.50	Q288190	1.50	<0.005
			260.50	261.50	Q288191	1.00	<0.005
261.30	261.90	Vn;70%;Qac;In;;Py02; **vein (5 mm - 10 cm) 70% quartz-ankerite-chlorite infilled fractures Pyrite 2%** A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes cross the unit . It is contains a splash of chalcopyrite.	261.50	263.00	Q288192	1.50	<0.005
			263.00	264.50	Q288193	1.50	0.006
			264.50	266.00	Q288194	1.50	<0.005
266.00	283.00	K01 **Potassic 1** Intermittent weak calcite and sericite alteration.isolatepotassic alteration.	266.00	267.50	Q288195	1.50	<0.005
			267.50	269.00	Q288196	1.50	<0.005
			269.00	270.50	Q288197	1.50	<0.005
			270.50	272.00	Q288198	1.50	<0.005
			272.00	273.50	Q288199	1.50	<0.005
			273.50	275.00	Q288202	1.50	0.005
			275.00	276.50	Q288203	1.50	<0.005
			276.50	278.00	Q288204	1.50	<0.005
276.75	277.00	BBC **Broken Blocky Core** Broken and crashed rock. RQD 0%.	278.00	279.50	Q288205	1.50	<0.005
			279.50	281.00	Q288206	1.50	<0.005
			281.00	282.50	Q288207	1.50	<0.005
			282.50	284.00	Q288208	1.50	<0.005
283.00	300.00	Se01; Ca01 **Sericite 1; Calcite 1** Intermittent weak calcite and sericite alteration.	284.00	285.50	Q288209	1.50	<0.005
284.30	286.30	BBC **Broken Blocky Core**	285.50	287.00	Q288210	1.50	<0.005
			287.00	288.50	Q288211	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Crashed and broken rock due to drilling condition. RQD 60%.	288.50	290.00	Q288212	1.50	<0.005
289.50	290.60	Vn;85%;Qac;In;;Py00.2;	290.00	291.50	Q288213	1.50	0.009
		vein (5 mm - 10 cm) 85% quartz-ankerite-chlorite infilled fractures Pyrite 0.2%	291.50	293.00	Q288214	1.50	0.016
		A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes	293.00	294.50	Q288215	1.50	0.008
		cross the unit .	294.50	296.00	Q288216	1.50	<0.005
			296.00	297.50	Q288217	1.50	<0.005
			297.50	299.00	Q288218	1.50	0.013
			299.00	300.50	Q288219	1.50	0.015
300.00	322.50	Ca01; Cl01					
		Calcite 1; Chlorite 1					
		weak chlorite and calcitealteration					
300.00	324.00	Py00.5	300.50	302.00	Q288220	1.50	<0.005
		Pyrite 0.5%	302.00	303.50	Q288221	1.50	0.007
		Fine grained disseminated	303.50	305.00	Q288222	1.50	<0.005
			305.00	306.50	Q288223	1.50	<0.005
			306.50	308.00	Q288224	1.50	<0.005
			308.00	309.50	Q288227	1.50	<0.005
			309.50	311.00	Q288228	1.50	<0.005
			311.00	312.50	Q288229	1.50	<0.005
			312.50	314.00	Q288230	1.50	<0.005
			314.00	315.50	Q288231	1.50	0.011
			315.50	316.50	Q288232	1.00	0.007
			316.50	317.50	Q288233	1.00	<0.005
			317.50	319.00	Q288234	1.50	<0.005
			319.00	320.50	Q288235	1.50	<0.005
			320.50	322.00	Q288236	1.50	<0.005
			322.00	323.50	Q288237	1.50	<0.005
322.50	324.00	K02; Cl01; Ank03; Ca02					
		Potassic 2; Chlorite 1; Ankerite 3; Calcite 2					
		Potassic and calcite moderate; Chlorite weak; Ankerite intense alteration					
322.60	324.00	Vn;45%;Qak;In;;Py00.1;	323.50	325.00	Q288238	1.50	<0.005
		vein (5 mm - 10 cm) 45% quartz-ankerite infilled fractures Pyrite 0.1%					
		A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes					
		cross the unit.					
324.00	331.00	DZ					
		Deformation Zone					

Description			Assay				
			From	To	Sample number	Length	AuBest
		localized deformation and crenulations.					
324.00	331.00	DZ; Crn	325.00	326.50	Q288239	1.50	0.008
		Deformation Zone 60°; Crenulation	326.50	327.50	Q288240	1.00	0.01
		localized deformation and crenulations.	327.50	329.00	Q288241	1.50	0.013
324.00	330.00	Py01					
		Pyrite 1%					
		Fine grained disseminated as well as stringers.					
328.30	329.15	Vn;75%;Qak;In;;Py00.5;	329.00	330.50	Q288242	1.50	0.011
		vein (5 mm - 10 cm) 75% infilled fractures Pyrite 0.5%					
		A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes					
		cross the unit.The interval mineralized by fine grained pyrite stringers up 0.5%.					
330.00	368.00	Py00.7	330.50	332.00	Q288243	1.50	0.073
		Pyrite 0.7%	332.00	333.50	Q288244	1.50	0.07
		Fine grained disseminated as well as a few stringers.	333.50	335.00	Q288245	1.50	0.026
334.00	344.00	Ca01; Cl01; Se01	335.00	336.50	Q288246	1.50	0.028
		Calcite 1; Chlorite 1; Sericite 1	336.50	338.00	Q288247	1.50	0.031
		weak pervasive cholrite and calsite and intermittent sericite alteration.	338.00	339.00	Q288248	1.00	0.018
			339.00	340.00	Q288249	1.00	0.034
339.50	341.50	Vn;65%;Qak;In;;Py00.1;	340.00	341.50	Q288252	1.50	0.019
		vein (5 mm - 10 cm) 65% quartz-ankerite infilled fractures Pyrite 0.1%	341.50	343.00	Q288253	1.50	0.022
		A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes	343.00	344.50	Q288254	1.50	0.006
		cross the unit.					
344.00	373.50	Ca01; Cl02; Se01	344.50	346.00	Q288255	1.50	<0.005
		Calcite 1; Chlorite 2; Sericite 1	346.00	347.50	Q288256	1.50	<0.005
		cite and chlorite, weak sericite	347.50	349.00	Q288257	1.50	0.006
			349.00	350.50	Q288258	1.50	0.009
			350.50	352.00	Q288259	1.50	<0.005
352.00	361.00	Crn; DZ	352.00	353.50	Q288260	1.50	<0.005
		Crenulation; Deformation Zone	353.50	355.00	Q288261	1.50	0.037
		localized weak deformation and moderate crenulations.	355.00	356.50	Q288262	1.50	0.052
			356.50	358.00	Q288263	1.50	0.027
			358.00	359.50	Q288264	1.50	0.054
			359.50	361.00	Q288265	1.50	0.046
			361.00	362.50	Q288266	1.50	0.236
			362.50	364.00	Q288267	1.50	0.064
			364.00	365.50	Q288268	1.50	0.134

Description			Assay				
			From	To	Sample number	Length	AuBest
364.50	432.20	V4; Aph; Tuff	365.50	367.00	Q288269	1.50	0.288
		Trachyte; APHANITIC; TUFF	367.00	368.50	Q288270	1.50	0.416
		Gradationaly the hole goes into a medium-dark grey fine grained massive trachyte flow with tuff intersextion					
		that contains withish-pinkish spot disseminated up 5%,somewhere looks lapill tuff?					
		Ankerite, dark green chlorite, calcite selective to vein-veinlets, potassic selective to					
		Qyartz-Ankerite-feldspar-calcite Veins ; Sericite spotted ; weakly bleach , rock is sometimes grey to beige					
		(sericite pervasive)					
		Pyrite disseminated, stringers traces to 1-2% ; patrs with high % of pyrite are grey-beige weakly sericitic.					
		Foliation is weak to moderate and intermittant, 25-40 dca					
		Weakly to strongly magnetic (strong magnetic segment are contains magnetite disseminated)					
		Veins-Veinlets of Quartz and ankerite reaches to10%.					
		From 379m to 380m ; calcite crosscutting veinlets 20% ; moderately iron - oxydated at fractures from					
		398.5-400m					
		Segment of tuff more foliated and less massive, crosscutting the flows.					
368.00	394.00	Py00.5	368.50	370.00	Q288271	1.50	0.213
		Pyrite 0.5%	370.00	371.50	Q288272	1.50	0.021
		fine grained disseminated and stringers.	371.50	373.00	Q288273	1.50	0.006
			373.00	374.50	Q288274	1.50	0.062
373.50	377.00	Se01; K02; Ca01					
		Sericite 1; Potassic 2; Calcite 1					
		Sericite 1; Potassic 2; Calcite 1					
374.00	402.00	Vn;10%;Qac;Ra;;Py00.5;	374.50	376.00	Q288277	1.50	0.209
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 0.5%	376.00	377.50	Q288278	1.50	0.322
		In this unit a series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins					
		and veinltes cross the unit. there is 0.5% mineralization associated with this structures.					
377.00	436.00	Ca02; Se01; Cl02; K02	377.50	379.00	Q288279	1.50	0.101
		Calcite 2; Sericite 1; Chlorite 2; Potassic 2					
		Isolated moderate potassic due to ankerite-quartz veins,pervasive weak sericite and moderate chlorite					
		and calcite alteration.					
378.00	379.00	Crn; DZ	379.00	380.50	Q288280	1.50	0.017
		Crenulation; Deformation Zone					
		weak localized weak deformation and moderate crenulations.					
379.50	380.00	Bxh	380.50	382.00	Q288281	1.50	<0.005
		Breccia healed 75°	382.00	383.50	Q288282	1.50	<0.005
		Calcitic bracciated vein.	383.50	385.00	Q288283	1.50	<0.005
385.00	398.00	DZ; Crn	385.00	386.50	Q288284	1.50	0.016
		Deformation Zone; Crenulation	386.50	388.00	Q288285	1.50	0.012
		weak localized deformation and moderate crenulations.	388.00	389.50	Q288286	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			389.50	391.00	Q288287	1.50	0.006
			391.00	392.50	Q288288	1.50	0.014
			392.50	394.00	Q288289	1.50	0.025
394.00	409.50	Py00.1	394.00	395.50	Q288290	1.50	0.016
		Pyrite 0.1%	395.50	397.00	Q288291	1.50	0.015
		Trace	397.00	398.50	Q288292	1.50	0.015
			398.50	400.00	Q288293	1.50	0.051
			400.00	401.50	Q288294	1.50	0.096
			401.50	403.00	Q288295	1.50	<0.005
			403.00	404.50	Q288296	1.50	0.006
			404.50	406.00	Q288297	1.50	<0.005
			406.00	407.50	Q288298	1.50	0.005
			407.50	409.00	Q288299	1.50	0.031
			409.00	410.50	Q288302	1.50	0.02
409.50	410.50	Py01					
		Pyrite 1%					
		Fine grained disseminated					
410.50	432.00	Py00.1; Cp00.1	410.50	412.00	Q288303	1.50	0.008
		Pyrite 0.1%; Chalcopyrite 0.1%	412.00	413.50	Q288304	1.50	<0.005
		Trace pyrite as well as chalcopyrite	413.50	415.00	Q288305	1.50	0.005
			415.00	416.50	Q288306	1.50	<0.005
			416.50	418.00	Q288307	1.50	<0.005
			418.00	419.50	Q288308	1.50	0.007
			419.50	421.00	Q288309	1.50	0.01
			421.00	422.50	Q288310	1.50	0.013
			422.50	424.00	Q288311	1.50	0.013
423.00	436.00	Crn; DZ	424.00	425.50	Q288312	1.50	<0.005
		Crenulation; Deformation Zone	425.50	427.00	Q288313	1.50	<0.005
		localized moderate deformation and moderate crenulations.	427.00	428.50	Q288314	1.50	<0.005
			428.50	430.00	Q288315	1.50	<0.005
			430.00	431.50	Q288316	1.50	<0.005
			431.50	433.00	Q288317	1.50	0.034
432.00	436.00	DZ					
		Deformation Zone 40°					
		Moderate loacll deformation and crenulation.					

Description			Assay				
			From	To	Sample number	Length	AuBest
432.00	452.00	Py00.5 **Pyrite 0.5%** Fine grained disseminated pyrite as well as stringers parallel to foliatioin					
432.20	549.00	V4; Tuff **Trachyte; TUFF** The holes again come back in to more touffeseous trachyte and less flow. Medium to light grey-pinkish fine grained trachyte tuff, Intense to moderate foliation, 30 dtca, intermittant from 486m, depending of tuff or flow. Weakly to strong magnetic, strong magnetics parts contains magetite disseminated. 5% quartz-calcite-hematite veinlets and small veins ; Qz-Calcite-Ankerite- hematite crosscutting or parallel folded low angle veins. Alteration selective : ankerite, calcite, sericite, hematite (vein), and dark green chlorite Pyrite dissemated and stringers parallel to foliation traces - 0.5% to 1%, high % of py are in small beige pinkish bleachy segments. Segments more massive, cm to dm, with no foliation, and very weakly porphyric texture, more dark = trachyte flow. From 452-453m : color more beige-pinkish with very fine dissemated pyrite 2-3% ; in general, py dissemated and stringers parallel to foliation 0.5%. From 479-480.2m , rock is strongly fractured.	433.00	434.50	Q288318	1.50	0.053
			434.50	436.00	Q288319	1.50	0.019
436.00	549.00	Se01; Ca01; K01; K01 **Sericite 1; Calcite 1; Potassic 1; Potassic 1** pervasive weak sericite and moderate chlorite and weak calcite, potassic alteration.	436.00	437.50	Q288320	1.50	0.026
437.00	459.00	Vn;8%;Qac;Ra;;Py00.2; **vein (5 mm - 10 cm) 8% quartz-ankerite-chlorite random Pyrite 0.2%** quartz-feldespar-ankerite with monor clorite.	437.50	439.00	Q288321	1.50	0.048
			439.00	440.50	Q288322	1.50	0.092
			440.50	442.00	Q288323	1.50	0.058
			442.00	443.50	Q288324	1.50	0.065
			443.50	445.00	Q288327	1.50	0.013
			445.00	446.50	Q288328	1.50	0.01
			446.50	448.00	Q288329	1.50	<0.005
			448.00	449.50	Q288330	1.50	0.023
			449.50	451.00	Q288331	1.50	0.116
			451.00	452.50	Q288332	1.50	0.057
452.00	453.00	Py01.5 **Pyrite 1.5%** Fine grained disseminated pyrite as well as stringers parallel to foliatioin	452.50	454.00	Q288333	1.50	0.022
453.00	478.20	Py00.4 **Pyrite 0.4%** Fine grained disseminated pyrite as well as few stringers parallel to foliatioin	454.00	455.50	Q288334	1.50	<0.005
			455.50	457.00	Q288335	1.50	<0.005
			457.00	458.50	Q288336	1.50	<0.005
			458.50	460.00	Q288337	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			460.00	461.50	Q288338	1.50	<0.005
			461.50	463.00	Q288339	1.50	<0.005
			463.00	464.50	Q288340	1.50	0.007
			464.50	466.00	Q288341	1.50	<0.005
			466.00	467.50	Q288342	1.50	<0.005
			467.50	469.00	Q288343	1.50	0.02
			469.00	470.50	Q288344	1.50	0.014
			470.50	472.00	Q288345	1.50	0.058
			472.00	473.50	Q288346	1.50	0.006
			473.50	474.50	Q288347	1.00	<0.005
			474.50	476.00	Q288348	1.50	<0.005
			476.00	477.50	Q288349	1.50	<0.005
			477.50	479.00	Q288352	1.50	<0.005
478.20	479.00	Py03					
		Pyrite 3%					
		Fine grained disseminated pyrite as well as stringers parallel to foliatioin					
479.00	480.20	FracZn					
		Fracture Zone					
		Strongly fractured					
479.00	486.00	Py00.5	479.00	480.50	Q288353	1.50	0.011
		Pyrite 0.5%					
		Fine grained disseminated pyrite as well as few stringers parallel to foliatioin					
479.50	480.20	BBC	480.50	482.00	Q288354	1.50	0.008
		Broken Blocky Core	482.00	483.50	Q288355	1.50	0.014
		Broken and crshed rock due to drilling condition, no gouge.	483.50	485.00	Q288356	1.50	0.011
			485.00	486.50	Q288357	1.50	<0.005
485.60	486.15	Bxh					
		Breccia healed 30°					
		Calcitic hydrothermal bracciated vein contains crashed rock..					
486.00	490.00	Py01	486.50	488.00	Q288358	1.50	0.013
		Pyrite 1%					
		Fine grained disseminated pyrite as well as stringers parallel to foliatioin					
487.11	489.50	DZ	488.00	489.50	Q288359	1.50	0.013
		Deformation Zone	489.50	491.00	Q288360	1.50	0.013
		moderate locallized Deformation Zone					
490.00	498.50	Py00.1	491.00	492.50	Q288361	1.50	<0.005
		Pyrite 0.1%	492.50	494.00	Q288362	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trace	494.00	495.50	Q288363	1.50	<0.005
			495.50	497.00	Q288364	1.50	<0.005
			497.00	498.50	Q288365	1.50	<0.005
498.50	500.60	Py01	498.50	500.00	Q288366	1.50	<0.005
		Pyrite 1%	500.00	501.50	Q288367	1.50	0.014
		Fine grained disseminated pyrite.					
500.60	501.15	Py02.5					
		Pyrite 2.5%					
		Stringers of fine grained pyrite parallel to foliation.					
501.15	511.00	Py00.2	501.50	503.00	Q288368	1.50	<0.005
		Pyrite 0.2%	503.00	504.50	Q288369	1.50	<0.005
		Trace	504.50	506.00	Q288370	1.50	<0.005
			506.00	507.50	Q288371	1.50	<0.005
			507.50	509.00	Q288372	1.50	<0.005
			509.00	510.50	Q288373	1.50	0.011
			510.50	512.00	Q288374	1.50	0.005
511.00	534.00	Py01	512.00	513.50	Q288377	1.50	0.012
		Pyrite 1%	513.50	515.00	Q288378	1.50	0.006
		Fine grained disseminated pyrite as well as stringers parallel to foliatioin	515.00	516.50	Q288379	1.50	0.007
516.50	516.80	Vt;80%;Qac;Ra;;Py00.5;	516.50	518.00	Q288380	1.50	0.01
		veinlet (1-5 mm) 80% quartz-ankerite-chlorite random Pyrite 0.5%	518.00	519.50	Q288381	1.50	0.006
		In this unit a series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins	519.50	521.00	Q288382	1.50	0.006
		and veinltes cross the unit. there is 0.5% mineralization associated with this structures.	521.00	522.50	Q288383	1.50	0.006
			522.50	524.00	Q288384	1.50	0.011
			524.00	525.50	Q288385	1.50	0.015
			525.50	527.00	Q288386	1.50	0.006
			527.00	528.50	Q288387	1.50	0.011
			528.50	530.00	Q288388	1.50	0.005
			530.00	531.50	Q288389	1.50	0.016
			531.50	533.00	Q288390	1.50	<0.005
			533.00	534.50	Q288391	1.50	0.017
533.50	537.00	Vt;20%;Qac;In;;Py01;					
		veinlet (1-5 mm) 20% quartz-ankerite-chlorite infilled fractures Pyrite 1%					
		In this unit a series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins					
		and veinltes cross the unit. there is 1% mineralization associated with this structures.					

Description			Assay				
			From	To	Sample number	Length	AuBest
534.00	536.00	Py00.1	534.50	536.00	Q288392	1.50	0.011
		Pyrite 0.1%					
		Trace					
536.00	549.00	Py00.7	536.00	537.50	Q288393	1.50	0.01
		Pyrite 0.7%	537.50	539.00	Q288394	1.50	0.013
		Fine grained disseminated pyrite as well as stringers parallel to foliatioin	539.00	540.50	Q288395	1.50	0.011
			540.50	542.00	Q288396	1.50	0.015
			542.00	543.50	Q288397	1.50	0.009
			543.50	545.00	Q288398	1.50	0.014
			545.00	546.50	Q288399	1.50	0.012
			546.50	548.00	Q288402	1.50	0.006
			548.00	549.00	Q288403	1.00	<0.005
549.00	**End of DDH**						
	Number of samples: 303						
	Number of QAQC samples: 28						
	Total sampled length: 449.00						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_52

Drilled by:	Major	Claims title:	L9495	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	20/03/2014	Description date:	25/03/2014
		To:	23/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 412.60 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,382.110
North	0.0	0.000	5,331,651.089
Elevation	0.0	0.000	344.294

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	90.00	357.7°	-51.7°	No	Mag = 56495
ReflexEZS	150.00	357.3°	-51.6°	No	Mag = 55990
ReflexEZS	210.00	359.0°	-51.2°	No	Mag = 55953
ReflexEZS	270.00	359.7°	-50.6°	No	Mag = 55586
ReflexEZS	330.00	336.6°	-50.2°	Yes	Mag = 54744
ReflexEZS	390.00	3.0°	-49.7°	No	Mag = 55587

Description

Re-logged by Mike Laliberty Aug 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	69.30	OVB **Overburden** 69.3m of overburden.					
69.30	353.40	V4; Fol **Trachyte; Foliated** Mixed unit of medium to dark green/grey (with beige intervals) fine grained locally flow banded trachyte (60%) with moderately to strongly foliated (10-60 dtca) tuffaceous intervals (40%) some with S-C folding and/or crenulations. Tuffaceous intervals contain stretched ankerite altered/replaced lapilli. From 330 to lower contact broken blocky core (with gouge closer to lower contact) is common as well as intervals of healed breccia. Moderate to strong pervasive ankerite alteration that is replaced by a weak to moderate pervasive calcitic alteration from 135.5-144m and 297.3-314m then returns to pervasive ankerite. There is a moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration, occasional weak to locally strong vein-controlled potassic alteration, localized leucoxene blebs and a possible weak patchy vein-controlled silicic alteration. Non magnetic. 1-2% qtz/ankerite/chlorite +/- sericite veining/fracture fill that exhibits folding locally. Generally trace to 0.5% py up hole but there are intervals that have up to 2-3% fine to coarse grained euhedral py frequently associated with narrow qtz/py veinlets/stringers parallel to foliation but down hole becomes more mineralized and the py is finely disseminated. Occasional trace cpy associated with narrow ankerite/albite? +/- k-spar veins/fracture fills. Trace moly in a chlorite fracture fill at 245.5m. Trace euhedral arsenopyrite at 272.1m	69.30 70.50 72.00	70.50 72.00 73.50	Q286823 Q286824 Q286827	1.20 1.50 1.50	<0.005 <0.005 <0.005
69.30	135.50	Ank02; Cl02; Se02; K00.5; Si01 **Ankerite 2; Chlorite 2; Sericite 2; Potassic 0.5; Silica 1** Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration, occasional weak vein-controlled potassic alteration and a possible weak patchy vein-controlled silicic alteration.					
69.30	88.10	Fln **Foliation 25°** Weak to moderate intermittent foliation at 10-40 dtca.					
69.30	155.00	Vn;2%;Qac;Vn;30°;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 30° Pyrite 0.1%** 1-2% qtz/ankerite/chlorite +/- sericite veining/fracture fill that exhibits folding locally with trace to 0.5% py. However there is 2-3% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation throughout the unit. Also, late calcite veining containing 2-3% py coincides with calcite alteration from 135.5-144m.					
72.50	75.60	Py00.5 **Pyrite 0.5%** 0.5% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	73.50 75.00 76.50	75.00 76.50 78.00	Q286828 Q286829 Q286830	1.50 1.50 1.50	<0.005 <0.005 <0.005
76.80	78.00	Py01 **Pyrite 1%** 1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to	78.00 79.50	79.50 81.00	Q286831 Q286832	1.50 1.50	<0.005 <0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		foliation.	81.00	82.50	Q286833	1.50	<0.005
			82.50	84.00	Q286834	1.50	<0.005
83.40	85.10	Py01	84.00	85.50	Q286835	1.50	<0.005
		Pyrite 1%					
		1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.					
85.10	88.10	Py00.5	85.50	87.00	Q286836	1.50	<0.005
		Pyrite 0.5%	87.00	88.50	Q286837	1.50	0.005
		0.5% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.					
88.10	88.30	Gg					
		Fault gouge 65°					
		Fault gouge and rubble at 65 dtca.					
88.30	384.90	Fln	88.50	90.00	Q286838	1.50	0.018
		Foliation 30°	90.00	91.50	Q286839	1.50	0.01
		Moderate to strong intermittent foliation at 10-50 dtca.	91.50	93.00	Q286840	1.50	<0.005
			93.00	94.50	Q286841	1.50	<0.005
88.30	90.80	Py02					
		Pyrite 2%					
		2% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.					
94.20	96.20	Py01	94.50	96.00	Q286842	1.50	0.006
		Pyrite 1%	96.00	97.50	Q286843	1.50	<0.005
		1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	97.50	99.00	Q286844	1.50	<0.005
			99.00	100.50	Q286845	1.50	<0.005
			100.50	102.00	Q286846	1.50	<0.005
			102.00	103.50	Q286847	1.50	<0.005
			103.50	105.00	Q286848	1.50	0.006
103.90	110.00	Py01	105.00	106.50	Q286849	1.50	<0.005
		Pyrite 1%	106.50	108.00	Q286852	1.50	0.013
		1-2% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	108.00	109.50	Q286853	1.50	<0.005
			109.50	111.00	Q286854	1.50	<0.005
			111.00	112.50	Q286855	1.50	<0.005
			112.50	114.00	Q286856	1.50	<0.005
			114.00	115.50	Q286857	1.50	<0.005
			115.50	117.00	Q286858	1.50	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
115.60	116.70	Py01 **Pyrite 1%** 1-2% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	117.00	118.50	Q286859	1.50	<0.005
118.00	119.90	Py01 **Pyrite 1%** 0.5-1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	118.50	120.00	Q286860	1.50	<0.005
			120.00	121.50	Q286861	1.50	<0.005
			121.50	123.00	Q286862	1.50	<0.005
			123.00	124.50	Q286863	1.50	<0.005
123.80	124.20	Py01 **Pyrite 1%** 1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	124.50	126.00	Q286864	1.50	<0.005
125.60	128.20	Py01 **Pyrite 1%** 1-2% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	126.00	127.50	Q286865	1.50	0.005
			127.50	129.00	Q286866	1.50	<0.005
			129.00	130.50	Q286867	1.50	<0.005
			130.50	132.00	Q286868	1.50	<0.005
			132.00	133.50	Q286869	1.50	<0.005
133.50	135.40	Py02 **Pyrite 2%** 2% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	133.50	135.00	Q286870	1.50	<0.005
			135.00	136.50	Q286871	1.50	<0.005
135.50	144.00	Ca02; Cl02; Se02 **Calcite 2; Chlorite 2; Sericite 2** Moderate to strong pervasive calcitic alteration, moderate to strong fracture and foliation-controlled chloritic alteration and moderate to strong patches of wispy sericitic alteration.	136.50	138.00	Q286872	1.50	<0.005
			138.00	139.50	Q286873	1.50	<0.005
			139.50	141.00	Q286874	1.50	<0.005
			141.00	142.50	Q286877	1.50	<0.005
			142.50	144.00	Q286878	1.50	<0.005
144.00	155.00	Ank02; Cl02; Se02; K01; Si01 **Ankerite 2; Chlorite 2; Sericite 2; Potassic 1; Silica 1** Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration, occasional weak vein-controlled potassic alteration and a possible weak patchy vein-controlled silicic alteration.	144.00	145.50	Q286879	1.50	<0.005
			145.50	147.00	Q286880	1.50	<0.005
145.70	146.30	Py01 **Pyrite 1%** 1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	147.00	148.50	Q286881	1.50	<0.005
			148.50	150.00	Q286882	1.50	<0.005
			150.00	151.50	Q286883	1.50	<0.005
			151.50	153.00	Q286884	1.50	<0.005
			153.00	154.50	Q286885	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			154.50	156.00	Q286886	1.50	0.006
155.00	276.90	Ank02; Cl02; Se02; K02; Si01 **Ankerite 2; Chlorite 2; Sericite 2; Potassic 2; Silica 1** Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration, occasional weak to locally strong vein-controlled potassic alteration and a possible weak patchy vein-controlled silicic alteration.					
155.00	159.60	Py01 **Pyrite 1%** 1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.					
155.00	408.50	Vn;5%;Qac;Vn;30°;Py00.5; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 30° Pyrite 0.5%** 5% qtz/ankerite/chlorite +/- sericite +/- moderate to strong potassic alteration in veins/fracture fills with trace to 0.5% py. However there is 2-3% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation. From 207-213.5m, 243-247.4m, 327-328.5m and 353-367.2m veinlets may contain trace cpy.	156.00	157.50	Q286887	1.50	0.027
			157.50	159.00	Q286888	1.50	0.023
			159.00	160.50	Q286889	1.50	0.005
159.60	168.80	Py00.5 **Pyrite 0.5%** 0.5-1% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	160.50	162.00	Q286890	1.50	<0.005
			162.00	163.50	Q286891	1.50	<0.005
			163.50	165.00	Q286892	1.50	0.017
			165.00	166.50	Q286893	1.50	<0.005
			166.50	168.00	Q286894	1.50	0.029
			168.00	169.50	Q286895	1.50	0.016
168.80	175.90	Py02 **Pyrite 2%** 1-2% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	169.50	171.00	Q286896	1.50	0.023
			171.00	172.50	Q286897	1.50	0.008
			172.50	174.00	Q286898	1.50	<0.005
			174.00	175.50	Q286899	1.50	0.011
			175.50	177.00	Q286902	1.50	0.005
176.60	243.00	Py01 **Pyrite 1%** 0.5-2% fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	177.00	178.50	Q286903	1.50	0.021
			178.50	180.00	Q286904	1.50	0.096
			180.00	181.50	Q286905	1.50	0.027
			181.50	183.00	Q286906	1.50	0.107
			183.00	184.50	Q286907	1.50	0.019
			184.50	186.00	Q286908	1.50	0.012
			186.00	187.50	Q286909	1.50	0.011
			187.50	189.00	Q286910	1.50	0.008

Description	Assay				
	From	To	Sample number	Length	AuBest
	189.00	190.50	Q286911	1.50	0.016
	190.50	192.00	Q286912	1.50	0.023
	192.00	193.50	Q286913	1.50	0.055
	193.50	195.00	Q286914	1.50	0.104
	195.00	196.50	Q286915	1.50	0.049
	196.50	198.00	Q286916	1.50	0.038
	198.00	199.50	Q286917	1.50	0.023
	199.50	201.00	Q286918	1.50	0.017
	201.00	202.50	Q286919	1.50	0.042
	202.50	204.00	Q286920	1.50	0.011
	204.00	205.50	Q286921	1.50	0.019
	205.50	207.00	Q286922	1.50	0.026
	207.00	208.50	Q286923	1.50	0.052
	208.50	210.00	Q286924	1.50	0.011
	210.00	211.50	Q286927	1.50	0.012
	211.50	213.00	Q286928	1.50	0.005
	213.00	214.50	Q286929	1.50	0.007
	214.50	216.00	Q286930	1.50	0.043
	216.00	217.50	Q286931	1.50	0.052
	217.50	219.00	Q286932	1.50	0.013
	219.00	220.50	Q286933	1.50	0.01
	220.50	222.00	Q286934	1.50	0.048
	222.00	223.50	Q286935	1.50	0.008
	223.50	225.00	Q286936	1.50	0.017
	225.00	226.50	Q286937	1.50	0.052
	226.50	228.00	Q286938	1.50	0.033
	228.00	229.50	Q286939	1.50	0.1
	229.50	231.00	Q286940	1.50	0.091
	231.00	232.50	Q286941	1.50	0.056
	232.50	234.00	Q286942	1.50	0.036
	234.00	235.50	Q286943	1.50	0.046
	235.50	237.00	Q286944	1.50	0.034
	237.00	238.50	Q286945	1.50	0.052
	238.50	240.00	Q286946	1.50	0.114

Description			Assay				
			From	To	Sample number	Length	AuBest
			240.00	241.50	Q286947	1.50	0.048
			241.50	243.00	Q286948	1.50	0.058
243.00	303.65	Py02; Cp00.1; Mo00.1; As00.1	243.00	244.50	Q286949	1.50	0.048
		Pyrite 2%; Chalcopyrite 0.1%; Molybdenite 0.1%; Arsenopyrite 0.1%	244.50	246.00	Q286952	1.50	0.086
		1-3% finely disseminated and fine to coarse grained euhedral py associated with narrow qtz/py	246.00	247.50	Q286953	1.50	0.082
		veinlets/stringers parallel to foliation. Occasional trace cpy associated with narrow ankerite/albite? +/-	247.50	249.00	Q286954	1.50	0.055
		k-spar veins/fracture fills. Trace moly in a chlorite fracture fill at 245.5m. Trace euhedral arsenopyrite at	249.00	250.50	Q286955	1.50	0.07
		272.1m	250.50	252.00	Q286956	1.50	0.029
			252.00	253.50	Q286957	1.50	0.091
			253.50	255.00	Q286958	1.50	0.057
			255.00	256.50	Q286959	1.50	0.041
			256.50	258.00	Q286960	1.50	0.021
			258.00	259.50	Q286961	1.50	0.053
			259.50	261.00	Q286962	1.50	0.05
			261.00	262.50	Q286963	1.50	0.07
			262.50	264.00	Q286964	1.50	0.042
			264.00	265.50	Q286965	1.50	0.039
			265.50	267.00	Q286966	1.50	0.064
			267.00	268.50	Q286967	1.50	0.058
			268.50	270.00	Q286968	1.50	0.066
			270.00	271.50	Q286969	1.50	0.043
			271.50	273.00	Q286970	1.50	0.035
			273.00	274.50	Q286971	1.50	0.026
			274.50	276.00	Q286972	1.50	0.065
			276.00	277.50	Q286973	1.50	0.07
276.90	297.30	Ank02; Cl02; Se02; Lcx02; K01; Si01	277.50	279.00	Q286974	1.50	0.02
		Ankerite 2; Chlorite 2; Sericite 2; Leucoxene 2; Potassic 1; Silica 1	279.00	280.50	Q286977	1.50	0.01
		Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled	280.50	282.00	Q286978	1.50	0.014
		chloritic alteration, moderate to strong patches of wispy sericitic alteration, moderate leucoxene blebs,	282.00	283.50	Q286979	1.50	0.029
		occasional weak to locally strong vein-controlled potassic alteration and a possible weak patchy	283.50	285.00	Q286980	1.50	0.012
		vein-controlled silicic alteration.	285.00	286.50	Q286981	1.50	0.034
			286.50	288.00	Q286982	1.50	0.04
			288.00	289.50	Q286983	1.50	0.045
			289.50	291.00	Q286984	1.50	0.04

Description			Assay				
			From	To	Sample number	Length	AuBest
			291.00	292.50	Q286985	1.50	0.034
			292.50	294.00	Q286986	1.50	0.038
			294.00	295.50	Q286987	1.50	0.032
			295.50	297.00	Q286988	1.50	0.035
			297.00	298.50	Q286989	1.50	0.015
297.30	314.00	Ca02; Cl02; K01; Se01	298.50	300.00	Q286990	1.50	0.013
		Calcite 2; Chlorite 2; Potassic 1; Sericite 1	300.00	301.50	Q286991	1.50	0.015
		Moderate to strong pervasive calcitic alteration, moderate to strong fracture and foliation-controlled chloritic alteration, weak pervasive and vein-controlled potassic alteration and weak to moderate wispy sericite.	301.50	303.00	Q286992	1.50	0.03
			303.00	304.50	Q286993	1.50	0.015
			304.50	306.00	Q286994	1.50	0.007
			306.00	307.50	Q286995	1.50	0.007
			307.50	309.00	Q286996	1.50	0.016
			309.00	310.50	Q286997	1.50	0.015
309.10	309.50	Cp00.1	310.50	312.00	Q286998	1.50	<0.005
		Chalcopyrite 0.1%	312.00	313.50	Q286999	1.50	0.015
		Trace cpy associated with narrow ankerite/albite? +/- k-spar veins/fracture fills.	313.50	315.00	Q290002	1.50	0.204
314.00	336.80	Ank02; Cl02; Se02; K01; Si01	315.00	316.50	Q290003	1.50	0.112
		Ankerite 2; Chlorite 2; Sericite 2; Potassic 1; Silica 1	316.50	318.00	Q290004	1.50	0.061
		Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration, occasional weak to locally strong vein-controlled potassic alteration and a possible weak patchy vein-controlled silicic alteration.	318.00	319.50	Q290005	1.50	0.152
			319.50	321.00	Q290006	1.50	0.038
			321.00	322.50	Q290007	1.50	0.096
			322.50	324.00	Q290008	1.50	0.064
			324.00	325.50	Q290009	1.50	0.04
314.00	324.40	Py02; Cp00.1					
		Pyrite 2%; Chalcopyrite 0.1%					
		2-3% finely disseminated and fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation. Occasional trace cpy associated with narrow ankerite/albite? fracture fills.					
324.40	330.00	Py01	325.50	327.00	Q290010	1.50	0.077
		Pyrite 1%	327.00	328.50	Q290011	1.50	0.053
		0.5-1% finely disseminated and fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation. Occasional trace cpy associated with narrow qtz/ankerite veining.	328.50	330.00	Q290012	1.50	0.092
330.00	346.20	Py02	330.00	331.50	Q290013	1.50	0.08
		Pyrite 2%	331.50	333.00	Q290014	1.50	0.028
		1-2% finely disseminated and fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation.	333.00	334.50	Q290015	1.50	0.07

Description			Assay				
			From	To	Sample number	Length	AuBest
			334.50	336.00	Q290016	1.50	0.058
			336.00	337.50	Q290017	1.50	0.052
336.80	353.40	Ank02; Cl02; Se02; K01	337.50	339.00	Q290018	1.50	0.028
		Ankerite 2; Chlorite 2; Sericite 2; Potassic 1	339.00	340.50	Q290019	1.50	0.035
		Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration and weak to locally strong vein-controlled and patchy potassic alteration.	340.50	342.00	Q290020	1.50	0.034
			342.00	343.50	Q290021	1.50	0.064
			343.50	345.00	Q290022	1.50	0.088
			345.00	346.50	Q290023	1.50	0.077
346.20	351.00	Py01	346.50	348.00	Q290024	1.50	0.069
		Pyrite 1%	348.00	349.50	Q290027	1.50	0.054
		0.5-1% finely disseminated and fine to coarse grained euhedral py associated with narrow qtz/py veinlets/stringers parallel to foliation. Occasional trace cpy associated with narrow chlorite fracture fill.	349.50	351.00	Q290028	1.50	0.04
			351.00	352.50	Q290029	1.50	0.006
			352.50	354.00	Q290030	1.50	0.041
353.00	367.20	Cp00.1					
		Chalcopyrite 0.1%					
		Occasional trace cpy associated with narrow qtz/chlorite stringers and narrow (<1cm) qtz/ankerite/chlorite veins.					
353.40	361.15	K03; Ank02; Cl02; Se02					
		Potassic 3; Ankerite 2; Chlorite 2; Sericite 2					
		Strong pervasive potassic alteration, moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration.					
353.50	374.50	V4; Vol; Bx; Fra; Fol	354.00	355.50	Q290031	1.50	0.159
		Trachyte 60°; VOLCANICLASTIC; Brecciated ; Fractured; Foliated	355.50	357.00	Q290032	1.50	0.127
		Brick red to maroon-dark grey vocanoclastic trachyte in a fine grained groundmass. Thiis interval is highly fractured and contains intervals of healed breccia. A weak foliation becomes stronger and more apparent in narrow 10-20cm tuffaceous intervals. Moderate to strong pervasive ankeritic alteration, moderate to strong patchy to pervasive potassic alteration, moderate to strong fracture-controlled chloritic alteration, and weak to moderate sericite. Moderately to strongly magnetic. 5% ankerite/chlorite with minor qtz veining and fracture fill. Generally trace py but locally up to 1%. Trace cpy is associated with narrow ankerite/chlorite stringers and veinlets. It should be noted that the highest Au values for this hole (0.445g/t) were found from 373.5-375m - the lower contact with strong potassically altered veining.	357.00	358.50	Q290033	1.50	0.039
			358.50	360.00	Q290034	1.50	0.009
			360.00	361.50	Q290035	1.50	0.038
361.15	374.50	Ank02; Cl02; Se02; K02	361.50	363.00	Q290036	1.50	0.014
		Ankerite 2; Chlorite 2; Sericite 2; Potassic 2	363.00	364.50	Q290037	1.50	0.048
		Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration and weak to locally strong vein-controlled and patchy potassic alteration.	364.50	366.00	Q290038	1.50	0.047
			366.00	367.50	Q290039	1.50	0.201
367.20	373.00	Py01	367.50	369.00	Q290040	1.50	0.075

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%	369.00	370.50	Q290041	1.50	0.15
		1% finely disseminated and fine to coarse grained euhedral py associated with narrow qtz/py	370.50	372.00	Q290042	1.50	0.087
		veinlets/stringers parallel to foliation. Occasional trace cpy associated with narrow qtz/ankerite/chlorite	372.00	373.50	Q290043	1.50	0.095
		veining.	373.50	375.00	Q290044	1.50	0.445
374.50	384.90	V4; Tuff; Fol					
		Trachyte 55°; TUFF; Foliated					
		Dark green/grey fine to medium grained moderately foliated (45-75 dtca) trachyte tuff with common intervals of					
		stretched, ankerite replaced/altered lapilli. Moderate to strong pervasive ankerite alteration, moderate to strong					
		fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration and					
		an occasional weak to locally strong vein-controlled potassic alteration. Moderately to strongly magnetic.					
		Overall, veining is around 5% qtz/ankerite/chlorite (+ weak to strong potassic alteration) but is concentrated					
		toward the upper and lower contacts. Generally trace py.					
374.50	384.90	Ank02; Cl02; Se02; K01	375.00	376.50	Q290045	1.50	0.008
		Ankerite 2; Chlorite 2; Sericite 2; Potassic 1	376.50	378.00	Q290046	1.50	<0.005
		Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled	378.00	379.50	Q290047	1.50	0.008
		chloritic alteration, moderate to strong patches of wispy sericitic alteration and an occasional weak to	379.50	381.00	Q290048	1.50	0.018
		locally strong vein-controlled potassic alteration.	381.00	382.50	Q290049	1.50	0.03
			382.50	384.00	Q290052	1.50	0.009
383.20	386.80	Py02	384.00	385.50	Q290053	1.50	0.127
		Pyrite 2%					
		1-2% finely disseminated py.					
384.90	390.80	V4; Mass; Fra	385.50	387.00	Q290054	1.50	0.277
		Trachyte 55°; Massive; Fractured	387.00	388.50	Q290055	1.50	0.068
		Dark grey to brownish grey fine grained semi-massive highly microfractured trachyte. Moderate to strong					
		pervasive ankerite alteration, moderate to strong fracture-controlled chloritic alteration, moderate to strong					
		patches of wispy sericitic alteration, moderate pervasive potassic alteration and a possible weak patchy					
		vein-controlled silicic alteration. Moderately to strongly magnetic. Overall, veining is around 5%					
		qtz/ankerite/chlorite (+ weak to strong potassic alteration) but is concentrated toward the upper contact.					
		Generally trace py but locally up to 2% in areas of potassic alteration.					
384.90	387.60	Ank02; Cl02; Se02; K02; Si01					
		Ankerite 2; Chlorite 2; Sericite 2; Potassic 2; Silica 1					
		Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled					
		chloritic alteration, moderate to strong patches of wispy sericitic alteration, moderate pervasive potassic					
		alteration and a possible weak patchy vein-controlled silicic alteration.					
387.60	412.00	Ank02; Cl02; Se02; K01; Si01	388.50	390.00	Q290056	1.50	0.219
		Ankerite 2; Chlorite 2; Sericite 2; Potassic 1; Silica 1	390.00	391.50	Q290057	1.50	0.011
		Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled					
		chloritic alteration, moderate to strong patches of wispy sericitic alteration, occasional weak to locally					
		strong vein-controlled potassic alteration and a possible weak patchy vein-controlled silicic alteration.					

Description			Assay				
			From	To	Sample number	Length	AuBest
390.80	412.60	V4; Tuff; Fol					
		Trachyte 75°; TUFF; Foliated					
		Dark green/grey fine to medium grained moderately foliated (45-75 dtca) trachyte tuff with common intervals of stretched, ankerite replaced/altered lapilli. Moderate to strong pervasive ankerite alteration, moderate to strong fracture and foliation-controlled chloritic alteration, moderate to strong patches of wispy sericitic alteration and an occasional weak to locally strong vein-controlled potassic alteration. Moderately to strongly magnet. 2% qtz/ankerite/chlorite +/- sericite +/- weak potassic alteration. Generally trace py.					
390.80	412.60	Fln	391.50	393.00	Q290058	1.50	0.135
		Foliation 60°	393.00	394.50	Q290059	1.50	0.009
		Moderate to strong intermittent foliation at 45-75 dtca	394.50	396.00	Q290060	1.50	0.005
			396.00	397.50	Q290061	1.50	<0.005
			397.50	399.00	Q290062	1.50	<0.005
			399.00	400.50	Q290063	1.50	<0.005
			400.50	402.00	Q290064	1.50	0.009
			402.00	403.50	Q290065	1.50	0.006
			403.50	405.00	Q290066	1.50	0.005
			405.00	406.50	Q290067	1.50	0.005
			406.50	408.00	Q290068	1.50	0.016
			408.00	409.50	Q290069	1.50	0.012
			409.50	411.00	Q290070	1.50	<0.005
			411.00	412.60	Q290071	1.60	<0.005
412.60	**End of DDH**						
	Number of samples: 229						
	Number of QAQC samples: 20						
	Total sampled length: 343.30						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_53

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	08/03/2014	Description date:	06/04/2014
		To:	13/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 426.10 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,993.003
North	0.0	0.000	5,331,236.317
Elevation	0.0	0.000	341.133

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	93.00	357.0°	-51.1°	No	Mag = 51940
ReflexEZS	153.00	2.0°	-51.7°	No	Mag = 54918
ReflexEZS	213.00	2.9°	-52.3°	No	Mag = 54926
ReflexEZS	273.00	6.2°	-52.8°	No	Mag = 54404
ReflexEZS	333.00	6.4°	-53.1°	No	Mag = 54699
ReflexEZS	393.00	8.9°	-52.1°	No	Mag = 54780

Description

Re-Logged by Ciara Cooke June 2014

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	80.66	OVB						
		Overburden						
		Casing and overburden.						
80.66	81.80	3L; Phan						
		Lamprophyre; PHANERITIC						
		Dk brownish-green mafic to ultramafic dyke. Intense pervasive chl and phlogopite alteration with weak ankerite. Non magnetic. Fg to f-mg chlorite and phlogopite pseudomorphs replacing pyroxene and hornblend crystals. No primary crystals remaining. Trace disseminated f- mg euhedral py clustered at upper ctc. No visible deformation.						
80.66	81.80	Cl03; Ank01						
		Chlorite 3; Ankerite 1						
		Intense pervasive chl-phlogopite alteration with weak selective ankerite.						
80.66	89.40	Vn;5%;Ca;An;;;		80.66	81.80	Q288686	1.14	<0.005
		vein (5 mm - 10 cm) 5% calcite anastomosing - braided fabric						
		Pale greenish calcite-talc veining.						
81.80	89.40	V13; Pil						
		Ultramafic flow 70°; Pillowed						
		Dk blue-green ultramafic flow. Intense pervasive chl-talc alteration. Soapy texture. Very fine grained. Pale greenish-white to grey talc-calcite veining encompassing rounded fragments with localized brecciated inclusions of wall rock. Small scale possible pillow structures. Moderate pervasive magnetism. Traces of f-mg to mg euhedral py clustered to isolated crystals. Weak ductile deformation with elongation of features along plane of deformation. Small-scale brittle faulting throughout unit.						
81.80	89.40	Cl03; Talc03; Ca01		81.80	83.00	Q288687	1.20	0.302
		Chlorite 3; Talc 3; Calcite 1		83.00	84.00	Q288688	1.00	<0.005
		Intense pervasive chl-talc-magnetite alteration with weak isolated calcite.		84.00	85.50	Q288689	1.50	<0.005
				85.50	87.00	Q288690	1.50	<0.005
				87.00	88.50	Q288691	1.50	<0.005
				88.50	90.00	Q288692	1.50	<0.005
89.40	94.90	3L; Phan						
		Lamprophyre 50°; PHANERITIC						
		Dk brownish-green to black mafic to ultramafic dyke. Intense pervasive chl and phlogopite alteration with weak ankerite. Non magnetic. Fg to f-mg chlorite and phlogopite pseudomorphs replacing pyroxene and hornblend crystals. No primary crystals remaining. Trace disseminated f- mg euhedral py clustered at upper ctc. No visible deformation. Sharp contacts.						
89.40	94.90	Cl03; Ank01		90.00	91.00	Q288693	1.00	<0.005
		Chlorite 3; Ankerite 1		91.00	92.00	Q288694	1.00	<0.005
		Intense pervasive chl-phlogopite alteration with weak selective ankerite.		92.00	93.50	Q288695	1.50	<0.005
				93.50	95.00	Q288696	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
94.90	108.00	4U; Pil					
		Ultramafic 70°; Pillowed					
		Dk blue-green ultramafic flow. Intense pervasive chl-talc alteration. Soapy texture. Very fine grained. Pale greenish-white to grey talc-calcite veining encompassing rounded fragments with localized brecciated inclusions of wall rock. Small scale possible pillow structures. Moderate pervasive magnetism. Trace isolated crystals of f-mg to mg euhedral py. Weak ductile deformation with elongation of features along plane of deformation. Small-scale brittle faulting throughout unit. Fragmental towards sharp lower contact.					
94.90	108.00	Cl03; Talc03; Ca01	95.00	96.00	Q288697	1.00	<0.005
		Chlorite 3; Talc 3; Calcite 1	96.00	97.50	Q288698	1.50	<0.005
		Intense pervasive chl-talc alteration with isolated bands or fragments of strong phlogopite. Weak isolated calcite veinlets.	97.50	99.00	Q288699	1.50	<0.005
			99.00	100.50	Q288702	1.50	<0.005
			100.50	102.00	Q288703	1.50	<0.005
			102.00	103.50	Q288704	1.50	<0.005
			103.50	105.00	Q288705	1.50	<0.005
			105.00	106.50	Q288706	1.50	<0.005
			106.50	108.00	Q288707	1.50	0.005
94.90	107.00	Vt;2%;Ca;An;;;					
		veinlet (1-5 mm) 2% calcite anastomosing - braided fabric					
		Pale greenish calcite-talc veinlets.					
108.00	140.00	S1	108.00	109.50	Q288708	1.50	0.503
		Conglomerate 50°	109.50	111.00	Q288709	1.50	0.093
		Med pinky-red to pale greenish-beige polymictic conglomerate. Sub-angular to rounded f-cg clasts in a borderline matrix-clast supported and poorly sorted unit. Moderate potassic alteration with strong selective ankerite and interstitial sericite. Isolated and trace fuchsite. Sparse qtz-ankerite veining with specularite hairlines dispersed throughout. F-mg py in clustered patches. Relatively non deformed with minor localized stretching visible in clasts. Upper ctc is a dk grey to reddish-purple with magnetite and disseminated py. Lower ctc appears gradational with interclated zones of the underlying sandstone unit.	111.00	112.50	Q288710	1.50	0.12
			112.50	114.00	Q288711	1.50	0.071
			114.00	115.50	Q288712	1.50	0.067
			115.50	117.00	Q288713	1.50	0.058
			117.00	118.50	Q288714	1.50	0.112
108.00	137.80	Ank03; K02; Se02					
		Ankerite 3; Potassic 2; Sericite 2					
		Strong selective ankerite alteration with moderate to strong potassic and interstitial sericite alteration. Isolated traces of fuchsite at 119m.					
118.10	120.00	Vn;5%;Qak;Ra;;;	118.50	120.00	Q288715	1.50	1.205
		vein (5 mm - 10 cm) 5% quartz-ankerite random	120.00	121.50	Q288716	1.50	0.062
		Grey to white qtz-ankerite veining.	121.50	123.00	Q288717	1.50	0.029
			123.00	124.50	Q288718	1.50	0.017
			124.50	126.00	Q288719	1.50	0.012
			126.00	127.50	Q288720	1.50	0.36

Description				Assay				
				From	To	Sample number	Length	AuBest
				127.50	129.00	Q288721	1.50	0.25
				129.00	130.50	Q288722	1.50	0.085
				130.50	132.00	Q288723	1.50	0.136
				132.00	133.50	Q288724	1.50	0.084
				133.50	135.00	Q288727	1.50	0.402
				135.00	136.50	Q288728	1.50	0.622
				136.50	137.80	Q288729	1.30	2.13
137.80	148.28		Ank03; Se03; Si02; Alb02	137.80	139.50	Q288730	1.70	0.126
			Ankerite 3; Sericite 3; Silica 2; Albite 2	139.50	141.00	Q288731	1.50	1.005
			Strong selective ankerite and sericite alteration with moderate to strong patchy silicification. Possible isolated patches of milky white albite.					
140.00	148.28		SS	141.00	142.50	Q288732	1.50	1.775
			Sandstone	142.50	144.00	Q288733	1.50	2.24
			Pale to med greyish-beige. F-mg qtz rich sandstone. Matrix supported and very well sorted. Sub-angular to rounded qtz grains with relatively homogenous size. Strong sericite-ankerite altered matrix selective moderate silicification. Possible isolated milky-white albite alteration towards lower ctc. Trace albitized fragments with euhedral qtz pseudomorphs. Unit is weak to moderately deformed towards lower ctc with appearance of banding btw qtz and sericite-ankerite. 0.5-1pct fine disseminated py.	144.00	145.50	Q288734	1.50	1.855
145.00	169.00		Vt;2%;Qak;Sk;;Cp00.5 Hem00.2;	145.50	147.00	Q288735	1.50	2.23
			veinlet (1-5 mm) 2% quartz-ankerite stockwork Chalcopyrite 0.5% SPECULARITE 0.2%	147.00	148.50	Q288736	1.50	1.095
			Smoky-grey qtz and ankerite veins to veinlets in irregular networks throughout unit. Late-stage cross-cutting greyish-white qtz and ankerite veinlets sub-parallel and perpendicular tca with incl of chalcopyrite and molybdenite.					
148.28	216.55		V4; Per	148.50	150.00	Q288737	1.50	0.329
			Trachyte 60°; PERLITIC	150.00	151.50	Q288738	1.50	0.3
			Med purple-grey to pinky-red trachyte. Perlitic texture with rounded glassy shards. Selective weak to moderate ankerite alteration in btw glassy fragments. Moderate to strong pervasive potassic alteration. Selective and patchy silicification at upper ctc of unit. Several chill margins defined by hyaloclastites and strong chl-ankerite alteration. Smoky-grey qtz veining as well as qtz-ankerite veins. Blue-grey specular hematite veinlets and stringers appearing where silification disappears (170m). Few qtz-ankerite veinlets at low angle tca - late stage - cross cutting with minor incl of chalcopyrite and molybdenite. Trace magnetite stringers appearing at 192.65m. Few pinky to greyish-white calcite veins with deep purple fluorite incl appearing at 202m. Mineralized with 0.5 to 4 pct fg disseminated py.	151.50	153.00	Q288739	1.50	0.247
				153.00	154.50	Q288740	1.50	0.093
				154.50	156.00	Q288741	1.50	0.106
				156.00	157.50	Q288742	1.50	0.088
				157.50	159.00	Q288743	1.50	0.245
				159.00	160.50	Q288744	1.50	0.113
				160.50	162.00	Q288745	1.50	0.128
				162.00	163.50	Q288746	1.50	0.336
				163.50	165.00	Q288747	1.50	1.94
				165.00	166.50	Q288748	1.50	3.53
				166.50	168.00	Q288749	1.50	0.48

Description			Assay				
			From	To	Sample number	Length	AuBest
			168.00	169.60	Q288752	1.60	0.171
148.28	168.20	K03; Si02; Ank01 **Potassic 3; Silica 2; Ankerite 1** Moderate to strong alteration. Pervasive potassic alteration. Selective and silicification. Weak to moderate selective ankerite alteration.					
168.20	187.45	K03; Ank01; Cl02	169.60	171.00	Q288753	1.40	0.243
		Potassic 3; Ankerite 1; Chlorite 2	171.00	172.50	Q288754	1.50	1.765
		Strong pervasive potassic alteration. Weak to moderate selective ankerite. Isolated zone of strong chl-ankerite alteration within chill ctc at 182m.	172.50	174.00	Q288755	1.50	0.182
			174.00	175.50	Q288756	1.50	0.127
			175.50	177.00	Q288757	1.50	0.18
			177.00	178.50	Q288758	1.50	0.125
178.38	192.68	Vn;5%;Qak;Ra;;;	178.50	180.00	Q288759	1.50	0.1
		vein (5 mm - 10 cm) 5% quartz-ankerite random	180.00	181.50	Q288760	1.50	0.13
		White to greyish qtz-ankerite veining at +/- 45 deg tca. Few large with angular brecciated frags of wall rock and barren. Smaller cross-cutting veins have trace incl of chalco and or moly.	181.50	183.00	Q288761	1.50	0.125
			183.00	184.50	Q288762	1.50	0.194
			184.50	186.00	Q288763	1.50	0.18
			186.00	187.34	Q288764	1.34	0.198
			187.34	189.00	Q288765	1.66	0.351
187.45	190.30	FTH **Flow Top/Hyaloclastite 20°** Dk green chill margin. Strong pervasive chl with selective ankerite. White irregular veining. Zone is fractmented and ductally deformed. Ctcs are wispy and irregular.					
187.45	190.30	Ank03; Cl03; K02	189.00	190.30	Q288766	1.30	0.038
		Ankerite 3; Chlorite 3; Potassic 2 Zone of strong pervasive chl and selective ankerite alteration. Isolated raft with moderate to strong potassic alteration.					
190.30	253.07	K03; Ank02; Se02	190.30	192.00	Q288767	1.70	0.319
		Potassic 3; Ankerite 2; Sericite 2	192.00	193.50	Q288768	1.50	0.213
		Strong potassic alteration with selective moderate to strong ankerite. Trace isolated patches of strong sericite-ankerite + chl within chill margins. Trace patchy magnetism.	193.50	195.00	Q288769	1.50	0.067
			195.00	196.50	Q288770	1.50	0.066
			196.50	198.00	Q288771	1.50	0.082
			198.00	199.50	Q288772	1.50	0.129
			199.50	201.00	Q288773	1.50	0.023
			201.00	202.50	Q288774	1.50	0.024
202.00	215.50	Vn;2%;Ca Qak;Ra;;;	202.50	204.00	Q288777	1.50	0.025
		vein (5 mm - 10 cm) 2% calcite quartz-ankerite random	204.00	205.50	Q288778	1.50	0.038

Description			Assay				
			From	To	Sample number	Length	AuBest
		Greyish to pinky-white calcite veins with localized incl of royal purple fluorite. Selectively brecciated with angular wall rock frags. Minor localized greyish-white qtz-ankerite veining.	205.50	207.00	Q288779	1.50	0.03
			207.00	208.50	Q288780	1.50	0.039
			208.50	210.00	Q288781	1.50	0.019
			210.00	211.50	Q288782	1.50	0.029
			211.50	213.00	Q288783	1.50	0.136
			213.00	214.50	Q288784	1.50	0.134
			214.50	216.00	Q288785	1.50	0.078
			216.00	217.50	Q288786	1.50	0.094
216.55	253.07	V4; Cry; Per	217.50	219.00	Q288787	1.50	0.141
		Trachyte; CRYSTALRICH; PERLITIC					
		Med red crystal rich trachyte. Glassy potassic altered groundmass with perlitic texture. Selective moderate ankerite alteration in btw glassy shards. Few flow tops or chill margins defined by hyaloclastites and strong sericite-ankerite alteration. F-mg greyish-purple translucent and fractured subhedral feldspar phenocrysts - possible pseudomorphs - hexagonal to lath shaped. Irregular black and hard as well as magnetic and selectively mineralized patches. Intensifying pseudobrecciated quench textures towards lower ctc. Isolated greyish qtz veins with ankerite incl as well as few pinky calcite veins with fluorite. Minor cross-cutting qtz veinlets with trace incl of moly. Mineralized with 0.5 to 1 pct fg disseminated py.					
218.50	227.60	Vn;3%;Sgq Ca;Ra;;;	219.00	220.50	Q288788	1.50	0.056
		vein (5 mm - 10 cm) 3% smoky grey quartz calcite random	220.50	222.00	Q288789	1.50	0.11
		Few greyish qtz veining with selective incl of ankerite and dk green chl. No mineralization. Isolated pinky-white calcite veins with deep purple fluorite incl.	222.00	223.50	Q288790	1.50	0.117
			223.50	225.00	Q288791	1.50	0.461
			225.00	226.50	Q288792	1.50	0.179
			226.50	228.00	Q288793	1.50	0.094
			228.00	229.50	Q288794	1.50	0.056
			229.50	231.00	Q288795	1.50	0.081
			231.00	232.50	Q288796	1.50	0.119
			232.50	234.00	Q288797	1.50	0.433
			234.00	235.50	Q288798	1.50	0.081
			235.50	237.00	Q288799	1.50	0.135
			237.00	238.50	Q288802	1.50	0.09
			238.50	240.00	Q288803	1.50	0.112
			240.00	241.50	Q288804	1.50	0.1
240.20	240.78	FTH	241.50	243.00	Q288805	1.50	0.08
		Flow Top/Hyaloclastite 50°	243.00	244.50	Q288806	1.50	0.243
		Pale greenish-beige chill margin. Strong sericite-ankerite alteration with chl along grain boundaries. White-beige irregular ankerite veining. Zone is fractmented and ductally deformed. Ctcs are wispy and	244.50	246.00	Q288807	1.50	0.068
			246.00	247.50	Q288808	1.50	0.121

Description			Assay				
			From	To	Sample number	Length	AuBest
		irregular.	247.50	249.00	Q288809	1.50	0.066
			249.00	250.50	Q288810	1.50	0.014
			250.50	252.00	Q288811	1.50	0.046
			252.00	253.50	Q288812	1.50	0.032
253.07	267.95	V4; S6; Pep; Per					
		Trachyte 50°; Siltstone; PEPERITIC; PERLITIC					
		Peperitic horizon. Dk grey to med greyish-purple. Quenched glassy potassic altered trachyte with perlitic texture mottled and banded with interstitial dk grey to black magnetic fg sediments. Moderately laminated or banded blue-grey fg sediment dominated zone within first 2m. Strong potassic alteration with moderate interstitial calcite. Mineralized with 0.5 to 2 pct fg disseminated py selectively conc within magnetite rich irregular seams. Intercalated red perlitic and crystal rich trachyte within lower 3m of unit.					
253.07	267.95	K03; Ank02; Ca02; Mgt02	253.50	255.00	Q288813	1.50	0.005
		Potassic 3; Ankerite 2; Calcite 2; Magnetite 2	255.00	256.50	Q288814	1.50	0.078
		Strong potassic alteration of trachyte. Moderate to strong ankerite alteration dominant within sedimentary selvedges. Selective weak to moderate interstitial calcite alteration. Moderate magnetism within sediments.	256.50	258.00	Q288815	1.50	0.044
			258.00	259.50	Q288816	1.50	0.041
			259.50	261.00	Q288817	1.50	0.011
			261.00	262.50	Q288818	1.50	0.011
			262.50	264.00	Q288819	1.50	0.009
264.00	264.75	Vn;5%;Ak Qtz;Ra;;;	264.00	265.50	Q288820	1.50	0.008
		vein (5 mm - 10 cm) 5% ankerite white quartz random	265.50	267.00	Q288821	1.50	0.012
		Lg pinky-white ankerite-qtz vein and small networks of same materials.	267.00	268.50	Q288822	1.50	0.008
267.95	270.23	V4; Cry					
		Trachyte; CRYSTALRICH					
		Crystal rich med red trachyte. Aphanitic glassy groundmass with strong potassic alteration and perlitic texture. Selective moderate ankerite alteration in btw glassy shards. F-mg greyish-purple translucent and fractured subhedral feldspar phenocrysts - possible pseudomorphs - hexagonal to lath shaped. Pinky-white to beige irregular qtz-ankerite veinlets and sweats cross-cutting rock with incl of moly and trace chalco. Mineralized with 0.5 to 1 pct fg disseminated py. Moderate pervasive magnetism. Sharp and distinct lower ctc with underlying deformed unit.					
267.95	270.23	K03; Ank02; Mgt02					
		Potassic 3; Ankerite 2; Magnetite 2					
		Strong pervasive potassic alteration with interstitial ankerite. Moderate pervasive magnetism.					
268.00	270.10	Vt;2%;Qak;Ra;;Cp Mo;	268.50	270.24	Q288823	1.74	0.016
		veinlet (1-5 mm) 2% quartz-ankerite random Chalcopyrite Molybdenite					
		Cross-cutting pinky-white qtz-ankerite veinlets with minor chalco and moly incl.					
270.23	284.00	V4; FlBand					
		Trachyte 40°; FLOWBANDED					
		Med green banded with beige and orangy pink layers. Fg. Moderate chloritic alteration with interstitial sericite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate to strong selective ankerite. Specularite conc within irregular veins and veinlets - selectively with qtz and ankerite. Moderate to strong banding at low angle tca. Tectonic deformation with microfolding and mineral segregation as well as isolated mantled porphyroblasts. Pervasive moderate magnetism with f-mg disseminated magnetite grains. Trace disseminated fg to f-mg py. Possible small sedimentary component at upper ctc - very fg with slump structures.					
270.23	297.00	Ank02; Se02; Cl02; Mgt02	270.24	271.50	Q288824	1.26	0.09
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2	271.50	273.00	Q288827	1.50	0.041
		Moderate to strong selective ankerite. Moderate sericite attenuated within bands and foliation. Pervasive weak to moderate light green chl alteration. Moderate pervasive magnetite alteration.	273.00	274.50	Q288828	1.50	<0.005
			274.50	276.00	Q288829	1.50	0.007
			276.00	277.50	Q288830	1.50	<0.005
			277.50	279.00	Q288831	1.50	<0.005
			279.00	280.50	Q288832	1.50	0.006
			280.50	282.00	Q288833	1.50	<0.005
			282.00	283.50	Q288834	1.50	<0.005
			283.50	285.00	Q288835	1.50	0.029
270.23	284.00	Vn;2%;Qcl;Vc;;Hem;					
		vein (5 mm - 10 cm) 2% quartz-chlorite vein cross-cutting foliation SPECULARITE					
		Grey qtz-specularite-chl veining parallel to and cross-cutting foliation.					
284.00	297.00	V4; Tuff; Pyro	285.00	286.50	Q288836	1.50	0.035
		Trachyte 20°; TUFF; PYROCLASTIC	286.50	288.00	Q288837	1.50	0.006
		Med greyish-green tuff. Fg groundmass with dispersed medium to coarse mantled porphyroblasts with pervasive ankerite alteration. Pervasive light green chl alteration with sericite attenuated along foliation. Weak to moderate selective ankerite. Moderate foliation with few zones of more mottled irregular texture. Very fine disseminated py up to 0.5pct.	288.00	289.50	Q288838	1.50	0.008
			289.50	291.00	Q288839	1.50	0.035
			291.00	292.50	Q288840	1.50	0.011
			292.50	294.00	Q288841	1.50	0.049
			294.00	295.50	Q288842	1.50	0.031
			295.50	297.00	Q288843	1.50	0.057
297.00	302.10	V4; FlBand					
		Trachyte 70°; FLOWBANDED					
		Dk green very fg banded trachy-basalt. Pervasive dk green chl alteration with very fine to mm bands of sericite and k-felds veins - orangy-pink. Strong pervasive banding with mineral segregation at low angle tca - steepening at both ctcs. Sharp and distinct ctcs. Weak to moderate and selective magnetism with locally visible disseminated grains. Trace very fg py along foliation.					
297.00	302.10	Cl03; Se02; Ank01; Mgt01	297.00	298.50	Q288844	1.50	<0.005
		Chlorite 3; Sericite 2; Ankerite 1; Magnetite 1	298.50	300.00	Q288845	1.50	0.018
		Strong pervasive dk green chl alteration. Moderate sericite selectively attenuated within flow banding and foliation. Weak selective ankerite alteration. Weak selective magnetite.	300.00	301.50	Q288846	1.50	<0.005
			301.50	303.00	Q288847	1.50	0.039

Description			Assay				
			From	To	Sample number	Length	AuBest
302.10	373.60	V4; Tuff; Pyro	303.00	304.50	Q288848	1.50	0.017
		Trachyte 40°; TUFF; PYROCLASTIC	304.50	306.00	Q288849	1.50	0.012
		Med greyish-green to beige pyroclastic tuff. Fg groundmass with medium to coarse mantled porphyroblasts as	306.00	307.50	Q288852	1.50	0.028
		well as glassy clasts and pumice fragments with ankerite and/or potassic alteration. Pervasive light green chl	307.50	309.00	Q288853	1.50	0.019
		alteration and moderate to strong sericite attenuated along foliation. Strong selective ankerite. Moderate	309.00	310.50	Q288854	1.50	0.007
		pervasive foliation with few zones of more mottled irregular texture. Minor interspersed volcano-sedimentary	310.50	312.00	Q288855	1.50	0.014
		horizons - fg and laminated to clastic and poorly sorted. Trace very fine disseminated py.	312.00	313.50	Q288856	1.50	0.01
			313.50	315.00	Q288857	1.50	0.018
			315.00	316.50	Q288858	1.50	0.018
			316.50	318.00	Q288859	1.50	0.033
			318.00	319.50	Q288860	1.50	0.057
			319.50	321.00	Q288861	1.50	0.015
			321.00	322.50	Q288862	1.50	0.017
			322.50	324.00	Q288863	1.50	0.226
			324.00	325.00	Q288864	1.00	<0.005
			325.00	326.00	Q288865	1.00	0.018
			326.00	327.00	Q288866	1.00	<0.005
			327.00	328.50	Q288867	1.50	0.01
			328.50	330.00	Q288868	1.50	<0.005
			330.00	331.50	Q288869	1.50	<0.005
			331.50	333.00	Q288870	1.50	0.103
			333.00	334.50	Q288871	1.50	0.028
			334.50	336.00	Q288872	1.50	0.007
			336.00	337.50	Q288873	1.50	0.005
302.10	338.50	Ank03; Cl02; Se02; Mgt02					
		Ankerite 3; Chlorite 2; Sericite 2; Magnetite 2					
		Strong selective ankerite alteration. Moderate to locally strong chl-sericite attenuated along foliation.					
		Selective magnetism.					
336.60	342.00	Vn;3%;Qac;Ra;;Cp00.1;	337.50	339.00	Q288874	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Chalcopyrite 0.1%					
		Greyish-white qtz veins with minor incl of dk green chl and whitish ankerite. Trace incl of chalcopyrite.					
338.50	353.00	Ank03; Cl02; Se02; Mgt02; K01	339.00	340.50	Q288877	1.50	0.01
		Ankerite 3; Chlorite 2; Sericite 2; Magnetite 2; Potassic 1	340.50	342.00	Q288878	1.50	0.007
		Strong selective ankerite alteration. Moderate to locally strong chl-sericite attenuated along foliation.	342.00	343.50	Q288879	1.50	0.005
		Selective magnetism. Weak isolated potassic alteration.	343.50	345.00	Q288880	1.50	0.011

Description				Assay				
				From	To	Sample number	Length	AuBest
				345.00	346.50	Q288881	1.50	0.011
				346.50	348.00	Q288882	1.50	0.026
				348.00	349.50	Q288883	1.50	0.014
				349.50	351.00	Q288884	1.50	0.019
				351.00	352.50	Q288885	1.50	0.013
				352.50	354.00	Q288886	1.50	0.02
353.00	426.10	Cl03; Se02; Ank02		354.00	355.50	Q288887	1.50	0.018
		Chlorite 3; Sericite 2; Ankerite 2		355.50	357.00	Q288888	1.50	0.019
		Strong pervasive med green chl alteration. Moderate to strong sericite along foliation. Moderate to strong selective ankerite. Trace weak magnetite.		357.00	358.50	Q288889	1.50	0.011
				358.50	360.00	Q288890	1.50	<0.005
359.80	366.00	Vn;7%;Qak;Ra;;;		360.00	361.50	Q288891	1.50	<0.005
		vein (5 mm - 10 cm) 7% quartz-ankerite random		361.50	363.00	Q288892	1.50	0.007
		Large pegmatitic veins dominantly k-felds with cross-cutting smaller veins of greyish qtz and orangy ankerite.		363.00	364.50	Q288893	1.50	0.006
				364.50	366.00	Q288894	1.50	0.011
				366.00	367.50	Q288895	1.50	0.012
				367.50	369.00	Q288896	1.50	<0.005
				369.00	370.50	Q288897	1.50	0.005
				370.50	372.00	Q288898	1.50	0.005
				372.00	373.50	Q288899	1.50	0.008
372.95	373.25	Vn;20%;Ca;Ra;;;		373.50	375.00	Q288902	1.50	0.011
		vein (5 mm - 10 cm) 20% calcite random						
		Pinky-grey calcite vein deformed and folded within foliation.						
373.60	408.10	V4; Cry; Fol						
		Trachyte 85°; CRYSTALRICH; Foliated						
		Med green-beige. Crystal rich trachyte with spotted leopard texture. Mg subhedral feldspar and locally ankerite replaced phenos with chloritic halos in a sericite-ankerite altered groundmass. Weak to strong foliation with selective zones of microfolding. Phenos are weak to intensely stretched along plane of deformation - often forming banding. Irregular greyish-white qtz-ankerite veining with minor incl of k-felds. Trace f-mg euhedral py selectively conc within bands. Non magnetic.						
374.20	378.02	Vn;2%;Qak;Ra;;;		375.00	376.50	Q288903	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite random		376.50	378.00	Q288904	1.50	0.005
		Greyish white qtz-ankerite veins with mottled mineral segregation.		378.00	379.50	Q288905	1.50	0.013
				379.50	381.00	Q288906	1.50	0.008
				381.00	382.50	Q288907	1.50	<0.005
				382.50	384.00	Q288908	1.50	<0.005
				384.00	385.50	Q288909	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			385.50	387.00	Q288910	1.50	0.006
386.70	389.40	Vn;3%;Qak;Vc;;;	387.00	388.50	Q288911	1.50	<0.005
		vein (5 mm - 10 cm) 3% vein cross-cutting foliation	388.50	390.00	Q288912	1.50	0.008
		Greyish white to pinky qtz-ankerite veins with mottled mineral segregation.	390.00	391.50	Q288913	1.50	<0.005
			391.50	393.00	Q288914	1.50	0.006
			393.00	394.50	Q288915	1.50	<0.005
			394.50	396.00	Q288916	1.50	0.005
			396.00	397.50	Q288917	1.50	<0.005
			397.50	399.00	Q288918	1.50	<0.005
			399.00	400.50	Q288919	1.50	0.005
			400.50	402.00	Q288920	1.50	<0.005
			402.00	403.50	Q288921	1.50	<0.005
			403.50	405.00	Q288922	1.50	<0.005
			405.00	406.50	Q288923	1.50	<0.005
			406.50	408.00	Q288924	1.50	<0.005
407.60	408.33	Vn;2%;Qak;Vc;;;	408.00	409.50	Q288927	1.50	0.01
		vein (5 mm - 10 cm) 2% vein cross-cutting foliation					
		Greyish white qtz-ankerite veins with mottled mineral segregation.					
408.10	413.00	V4; Tuff	409.50	411.00	Q288928	1.50	0.014
		Trachyte 55°; TUFF					
		Med greenish yellowy-beige trachytic tuff. Fg groundmass with medium to coarse pumice fragments stretched and deformed along plane of deformation. Pervasive light green chl alteration with moderate to strong sericite attenuated along foliation. Moderate to strong selective ankerite. Moderate pervasive foliation. Minor interspersed volcano-sedimentary horizons - fg and laminated. Med grey qtz-albite-ankerite veining with mottled texture indicative of metamorphic alteration. Trace very fine disseminated py.					
410.65	411.36	Vn;60%;Qak;Vc;;;	411.00	412.50	Q288929	1.50	<0.005
		vein (5 mm - 10 cm) 60% quartz-ankerite vein cross-cutting foliation	412.50	414.00	Q288930	1.50	<0.005
		Greyish white qtz-ankerite veins with mottled mineral segregation. Possible fg albite.					
413.00	418.92	S3; Fol	414.00	415.50	Q288931	1.50	<0.005
		Greywacke; Foliated					
		Med greenish-grey fg to f-mg greywacke. Weak light to med green chl alteration. Weak to moderate selective ankerite alteration. Dispersed mg with sericite alteration halos. Moderate pervasive foliation with sericite attenuated along plane of deformation. Moderate pervasive magnetism with f-mg grains disseminated. Few irregular blebs and veins of qtz-ankerite-felds. Intercalated tuffacious horizons with disseminated py.					
414.90	423.00	Vn;3%;Qak;Vc;;;	415.50	417.00	Q288932	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite vein cross-cutting foliation	417.00	418.50	Q288933	1.50	<0.005
		Greyish white qtz-ankerite veins with mottled mineral segregation. Possible fg albite.	418.50	420.00	Q288934	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
418.92	426.10	V4; Tuff	420.00	421.50	Q288935	1.50	<0.005
		Trachyte 30°; TUFF	421.50	423.00	Q288936	1.50	<0.005
		Med greenish-beige trachytic tuff. Fg groundmass with medium to coarse pumice fragments and crystals weakly deformed within foliation. Pervasive light green chl alteration with moderate to strong sericite attenuated along foliation. Moderate to strong selective ankerite. Med grey qtz-albite-ankerite veining with mottled texture indicative of metamorphic alteration. Trace very fine disseminated py.					
423.00	424.00	Vn;60%;Qak;Vc;;;	423.00	424.50	Q288937	1.50	0.005
		vein (5 mm - 10 cm) 60% quartz-ankerite vein cross-cutting foliation					
		Greyish white qtz-ankerite veins with mottled mineral segregation. Possible fg albite.					
424.00	426.10	Vn;3%;Qak;Vc;;;	424.50	426.10	Q288938	1.60	0.006
		vein (5 mm - 10 cm) 3% quartz-ankerite vein cross-cutting foliation					
		Greyish white qtz-ankerite veins with mottled mineral segregation.					
426.10	**End of DDH**						
	Number of samples: 233						
	Number of QAQC samples: 20						
	Total sampled length: 345.44						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_54

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	08/03/2014	Description date:	
		To:	14/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 464.80 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,092.920
North	0.0	0.000	5,331,163.340
Elevation	0.0	0.000	338.008

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	111.00	355.3°	-58.1°	No	Mag = 53139
ReflexEZS	171.00	358.6°	-58.8°	No	Mag = 54570
ReflexEZS	231.00	359.7°	-59.0°	No	Mag = 56320
ReflexEZS	291.00	1.5°	-58.8°	No	Mag = 54812
ReflexEZS	354.00	0.4°	-58.3°	No	Mag = 53129
ReflexEZS	414.00	2.3°	-57.7°	No	Mag = 551555
ReflexEZS	464.80	3.7°	-57.1°	No	Mag = 55168

Description

Relogged By Gilles Kamta stard 28 july-2014- end30 juillet 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	90.70	OVB **Overburden** Casing/Overburdun					
90.70	193.20	4U; Aph **Ultramafic; APHANITIC** Dark- meduim grey aphanitic ultramafic, gradually altered to talc with depth, moderately to strongly magnetic, weakly mineralized traces-0.5% pyrite.Is overlap by mafic intrusion (3-18 m basaltic / Lamprohyre?) with medium to fine grained ground mass, is strongly magnetic, altered to calcite and biotite-chlorite and the mineralized fine grained disseminated or euhedral pyrite 0.5-2%. Contacts with intrusion are underline by a dark halo 1-6 cm	90.70	91.50	Q286257	0.80	<0.005
90.70	100.60	Talc02; Cl02 **Talc 2; Chlorite 2** Moderate talc chlorite alteration					
90.70	91.50	Py00.1 **Pyrite 0.1%** traces					
91.50	93.00	Py00.1 **Pyrite 0.1%** traces	91.50	93.00	Q286258	1.50	<0.005
93.00	94.50	Py00.1 **Pyrite 0.1%** traces	93.00	94.50	Q286259	1.50	<0.005
94.50	96.00	Py00.2 **Pyrite 0.2%** traces	94.50	96.00	Q286260	1.50	<0.005
96.00	97.50	Py00.5 **Pyrite 0.5%** splash or euhedral pyrite.					
96.00	120.50	Vt;5%;Ca;Fl;;; **veinlet (1-5 mm) 5% calcite flooding** Flooding calcites veinlets	96.00	97.50	Q286261	1.50	<0.005
97.50	99.00	Py00.2 **Pyrite 0.2%** traces	97.50	99.00	Q286262	1.50	<0.005
99.00	100.50	Py00.2 **Pyrite 0.2%** traces	99.00	100.50	Q286263	1.50	0.005
100.50	102.00	Py01 **Pyrite 1%** mottled and euherdal pyrite disseminated	100.50	102.00	Q286264	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
100.60	120.80	MI; Mass **Mafic Intrusion 50°; Massive** Dark grey-medium grey mafic intrusion, fine to medium grained with cracks fill of calcites (calcites stringers veinlets), irregularly scattered whitish crystals. The unit is strongly magnetic, altered to strong calcite, sweak biotite, chlorite, splash as well as disseminated pyrite 0.5-3%. from 106-110.40 very fine grained with less cracks calcite alteration and less pyrite 0.3-0.5%					
100.60	120.80	Ca03 **Calcite 3** strong pervasive-infilled fractures					
102.00	103.50	Py02 **Pyrite 2%** Mottled and euhedral pyrite disseminated.	102.00	103.50	Q286265	1.50	0.005
103.50	105.00	Py02 **Pyrite 2%** mottled and euherdal pyrite disseminated	103.50	105.00	Q286266	1.50	0.008
105.00	106.50	Py01 **Pyrite 1%** mottled and euherdal pyrite disseminated	105.00	106.50	Q286267	1.50	0.005
106.50	108.00	Py00.7 **Pyrite 0.7%** mottled and euherdal pyrite irregulary disseminated	106.50	108.00	Q286268	1.50	0.005
108.00	109.50	Py01 **Pyrite 1%** fine and euherdal pyrite disseminated	108.00	109.50	Q286269	1.50	<0.005
109.50	111.00	Py01 **Pyrite 1%** mottled and euherdal pyrite disseminated	109.50	111.00	Q286270	1.50	<0.005
111.00	112.50	Py02 **Pyrite 2%** mottled and euherdal pyrite disseminated	111.00	112.50	Q286271	1.50	<0.005
112.50	114.00	Py02 **Pyrite 2%** mottled and euherdal pyrite disseminated	112.50	114.00	Q286272	1.50	<0.005
114.00	115.50	Py02 **Pyrite 2%** mottled and euherdal pyrite disseminated	114.00	115.50	Q286273	1.50	0.006
115.50	117.00	Py02 **Pyrite 2%** mottled and euherdal pyrite disseminated	115.50	117.00	Q286274	1.50	<0.005
117.00	118.50	Py01	117.00	118.50	Q286277	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		mottled and euherdal pyrite disseminated					
118.50	120.00	Py00.5	118.50	120.00	Q286278	1.50	<0.005
		Pyrite 0.5%					
		fine and euherdal pyrite disseminated					
120.00	121.50	Py00.5	120.00	121.50	Q286279	1.50	<0.005
		Pyrite 0.5%					
		mottled and euherdal pyrite disseminated					
120.80	126.50	Talc02; Cl02; Ank01					
		Talc 2; Chlorite 2; Ankerite 1					
		moderate pervasive talc chlorite, weak ankerite and spotty calcite					
121.50	123.00	Py00.5	121.50	123.00	Q286280	1.50	<0.005
		Pyrite 0.5%					
		euherdal pyrite disseminated					
123.00	124.50	Py00.5	123.00	124.50	Q286281	1.50	<0.005
		Pyrite 0.5%					
		mottled and euherdal pyrite disseminated					
124.50	126.00	Py00.5	124.50	126.00	Q286282	1.50	<0.005
		Pyrite 0.5%					
		pyrite disseminated or in veins					
126.00	127.50	Py00.2	126.00	127.50	Q286283	1.50	<0.005
		Pyrite 0.2%					
		traces					
126.50	133.50	MI; Mass					
		Mafic Intrusion 70°; Massive					
		Dark grey-medium grey mafic intrusion, fine to medium grained some cracks fill of calcite, irregularly scattered whitish crystals. The unit is strongly magnetic, altered to moderate calcite, sweak biotite, chlorite, fine disseminated pyrite 0.5%. The upper and lower contact with ultramafic are fill of dark halo 3-6 cm.					
126.50	133.50	Ca02; Cl01					
		Calcite 2; Chlorite 1					
		moderate calcite infilled fractures, weak chlorite					
127.50	129.00	Py00.2	127.50	129.00	Q286284	1.50	<0.005
		Pyrite 0.2%					
		traces					
128.00	132.30	Vt;5%;Ca;Fl;;;					
		veinlet (1-5 mm) 5% calcite flooding					
		flooding calcite veinlets					
129.00	130.50	Py00.2	129.00	130.50	Q286285	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces					
130.50	132.00	Py00.5	130.50	132.00	Q286286	1.50	<0.005
		Pyrite 0.5%					
		traces					
132.00	133.50	Py00.2	132.00	133.50	Q286287	1.50	0.005
		Pyrite 0.2%					
		traces					
133.00	140.00	Gg					
		Fault gouge 60°					
		6-10 cm chloritic fault gouge					
133.50	162.20	Talc03; Ca02; Cl01	133.50	135.00	Q286288	1.50	<0.005
		Talc 3; Calcite 2; Chlorite 1					
		strong talcy alteration, calcite in veins or veinlets, weak pervasive chlorite.					
133.50	135.00	Py00.1					
		Pyrite 0.1%					
		traces					
135.00	136.50	Py00.1	135.00	136.50	Q286289	1.50	<0.005
		Pyrite 0.1%					
		traces					
136.50	138.00	Py00.1	136.50	138.00	Q286290	1.50	<0.005
		Pyrite 0.1%					
		traces					
138.00	139.50	Py00.1	138.00	139.50	Q286291	1.50	<0.005
		Pyrite 0.1%					
		traces					
139.50	141.00	Py00.1	139.50	141.00	Q286292	1.50	<0.005
		Pyrite 0.1%					
		traces					
141.00	142.50	Py00.1	141.00	142.50	Q286293	1.50	<0.005
		Pyrite 0.1%					
		traces					
142.50	144.00	Py00.1	142.50	144.00	Q286294	1.50	0.005
		Pyrite 0.1%					
		traces					
144.00	145.50	Py00.1	144.00	145.50	Q286295	1.50	0.006
		Pyrite 0.1%					
		traces					
145.50	147.00	Py00.1	145.50	147.00	Q286296	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
147.00	148.50	Py00.1	147.00	148.50	Q286297	1.50	<0.005
		Pyrite 0.1%					
		traces					
148.50	150.00	Py00.1	148.50	150.00	Q286298	1.50	<0.005
		Pyrite 0.1%					
		traces					
150.00	151.50	Py00.1	150.00	151.50	Q286299	1.50	<0.005
		Pyrite 0.1%					
		traces					
151.50	153.00	Py00.1	151.50	153.00	Q286302	1.50	<0.005
		Pyrite 0.1%					
		traces					
153.00	154.50	Py00.1	153.00	154.50	Q286303	1.50	0.006
		Pyrite 0.1%					
		traces					
154.00	154.09	Vn;100%;Qca Cl;In;50°;;					
		vein (5 mm - 10 cm) 100% quartz-calcite chlorite infilled fractures 50°					
		infilled white quartz vein					
154.50	156.00	Py00.1	154.50	156.00	Q286304	1.50	0.018
		Pyrite 0.1%					
		traces					
154.50	155.40	Vn;5%;Qca;In;;;					
		vein (5 mm - 10 cm) 5% quartz-calcite infilled fractures					
		infilled (2 cm 80 dtca) and flooding white quartz vein					
156.00	157.50	Py00.1	156.00	157.50	Q286305	1.50	0.013
		Pyrite 0.1%					
		traces					
157.50	159.00	Py00.1	157.50	159.00	Q286306	1.50	0.007
		Pyrite 0.1%					
		traces					
159.00	160.50	Py00.1					
		Pyrite 0.1%					
		traces					
159.00	188.00	Vt;5%;Ca;In;40°;;	159.00	160.50	Q286307	1.50	<0.005
		veinlet (1-5 mm) 5% calcite infilled fractures 40°					
		infilled and floodind calcite veinlets					
160.50	162.00	Py00.1	160.50	162.00	Q286308	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
162.00	163.50	Py00.1	162.00	163.50	Q286309	1.50	<0.005
		Pyrite 0.1%					
		traces					
162.20	168.70	MI; Mass					
		Mafic Intrusion 60°; Massive					
		Dark grey mafic intrusion, fine to mediun grained, some cracks fill of calcite, irregularly scattered whitish					
		crystals (0.5%). The unit is strongly magnetic, altered to moderate calcite, weak biotite- chlorite,					
		mineralized traces of pyrite.					
162.20	168.70	Ca02; Cl02					
		Calcite 2; Chlorite 2					
		moderate pervasive calcite and chlorite alteration					
163.50	165.00	Py00.1	163.50	165.00	Q286310	1.50	0.006
		Pyrite 0.1%					
		traces					
165.00	166.50	Py00.1	165.00	166.50	Q286311	1.50	0.007
		Pyrite 0.1%					
		traces					
166.50	168.00	Py00.1	166.50	168.00	Q286312	1.50	<0.005
		Pyrite 0.1%					
		traces					
168.00	169.50	Py00.1	168.00	169.50	Q286313	1.50	<0.005
		Pyrite 0.1%					
		traces					
168.70	176.90	Talc03; Ca02; Cl02					
		Talc 3; Calcite 2; Chlorite 2					
		intense talc alteration, moderate chlorite and calcite(in veins)					
169.50	171.00	Py00.2	169.50	171.00	Q286314	1.50	<0.005
		Pyrite 0.2%					
		patchy pyrite					
171.00	172.50	Py00.2	171.00	172.50	Q286315	1.50	<0.005
		Pyrite 0.2%					
		traces					
172.50	174.00	Py00.2	172.50	174.00	Q286316	1.50	<0.005
		Pyrite 0.2%					
		traces					
174.00	175.50	Py00.2	174.00	175.50	Q286317	1.50	<0.005
		Pyrite 0.2%					
		traces					
175.50	177.00	Py00.1	175.50	177.00	Q286318	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
176.90	179.40	MI; Mass					
		Mafic Intrusion 60°; Massive					
		Dark grey mafic intrusion / lamprophyre, fine to medium grained, biotite rich, The unit is strongly					
		magnetic, altered to moderate calcite, sweak biotite, chlorite, fine disseminated pyrite 0.5%.					
176.90	179.40	Ca03; Cl03					
		Calcite 3; Chlorite 3					
		strong calcvite chlorite alteration					
177.00	178.50	Py00.2	177.00	178.50	Q286319	1.50	<0.005
		Pyrite 0.2%					
		traces					
178.50	180.00	Py00.1	178.50	180.00	Q286320	1.50	<0.005
		Pyrite 0.1%					
		traces					
179.40	190.60	Talc03; Ca02; Cl01					
		Talc 3; Calcite 2; Chlorite 1					
		intense pervasive talcy, moderate pervasive calcite, weak chlorite					
180.00	181.50	Py00.1	180.00	181.50	Q286321	1.50	<0.005
		Pyrite 0.1%					
		traces					
181.50	183.00	Py00.1	181.50	183.00	Q286322	1.50	<0.005
		Pyrite 0.1%					
		traces					
183.00	184.50	Py00.1	183.00	184.50	Q286323	1.50	<0.005
		Pyrite 0.1%					
		traces					
184.50	186.00	Py00.1	184.50	186.00	Q286324	1.50	<0.005
		Pyrite 0.1%					
		traces					
186.00	187.50	Py00.1	186.00	187.50	Q286327	1.50	<0.005
		Pyrite 0.1%					
		traces					
187.50	189.00	Py00.1	187.50	189.00	Q286328	1.50	<0.005
		Pyrite 0.1%					
		traces					
189.00	190.50	Py00.1	189.00	190.50	Q286329	1.50	<0.005
		Pyrite 0.1%					
		traces					
190.50	192.00	Py00.7; Cp00.2	190.50	192.00	Q286330	1.50	0.232

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.7%; Chalcopyrite 0.2%					
		fine grained pyrite in veins, traces of chalcopyrite					
190.60	193.20	MI; Mass					
		Mafic Intrusion 80°; Massive					
		Dark grey mafic intrusion (transitional mafic intrusion trachyte flow) fine to medium grained, irregularly scattered whitish crystals. the unit has thin layers or ("laminations"). The unit is strongly magnetic, altered to moderate calcite, sweak biotite, chlorite, fine disseminated pyrite 0.5%, dark halo upper and lower contact.					
190.60	193.20	Ca02; Cl02; Ank01					
		Calcite 2; Chlorite 2; Ankerite 1					
		Moderate calcite and chlorite, isolated weak ankerite					
190.60	200.00	Fln					
		Foliation 50°					
		moderate to weak foliation					
192.00	193.50	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite disseminated					
192.00	193.50	Vn;3%;Ak;In;60°;;	192.00	193.50	Q286331	1.50	0.029
		vein (5 mm - 10 cm) 3% ankerite infilled fractures 60°					
		infilled calcite veins 1 cm					
193.20	289.50	V4; Aph; Cry; Fol					
		Trachyte 80°; APHANITIC; CRYSTALRICH; Foliated					
		Fine grained (aphanitc) trachytic flow. the upper unit is beige colour due to strong sericite-potassic alteration, the unit start with a weak foliation 30-60 DTCA and some leucite phenocrysts are partially visible @ 193.20-201 m. The lower unit is pink more potassic- ankerite and less sericite, microfractured, weakly silicified, some red spots disseminates. The entire unit is non magnetic. Late quartz-ankerite- specularite veinlets cross cutting the unit 30-60 DTCA, localized layers are chrystals rich (219-225 m). It is mineralized with 0.5- 1% fine disseminated pyrite and some gashy fracture fillings Lower contact from 229.5-289 m is gradational and is more indicative of the decrease in bright red potassic alteration, disappearance of ankerite alteration and increase of calcite and dark chlorite weakening of SiO2 alteration					
193.20	201.00	K02; Se02; Ank01; Si01					
		Potassic 2; Sericite 2; Ankerite 1; Silica 1					
		Moderate to strong pervasive potassic ankerite alteration, weak spotty ankerite.					
193.50	195.00	Py00.5	193.50	195.00	Q286332	1.50	0.037
		Pyrite 0.5%					
		fine grained pyrite disseminated					
195.00	196.50	Py00.5	195.00	196.50	Q286333	1.50	0.047
		Pyrite 0.5%					
		fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
196.50	198.00	Py00.5	196.50	198.00	Q286334	1.50	0.13
		Pyrite 0.5%					
		fine grained pyrite disseminated					
198.00	199.50	Py00.5	198.00	199.50	Q286335	1.50	0.135
		Pyrite 0.5%					
		fine grained pyrite disseminated					
199.50	201.00	Py00.7	199.50	201.00	Q286336	1.50	0.319
		Pyrite 0.7%					
		fine grained and euhedral pyrite disseminated					
200.50	200.70	Vn;90%;Sgq;In;40°;Mo00.3;					
		vein (5 mm - 10 cm) 90% smoky grey quartz infilled fractures 40° Molybdenite 0.3%					
		10 cm smokey grey quartz ankerite vein					
201.00	229.50	K03; Ank03; He; Si01	201.00	202.50	Q286337	1.50	0.28
		Potassic 3; Ankerite 3; Hematite; Silica 1					
		Strong pervasive potassic ankerite alteration, weak hematite specularite, weak silica					
201.00	202.50	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite disseminated					
202.50	204.00	Py00.5	202.50	204.00	Q286338	1.50	0.193
		Pyrite 0.5%					
		fine grained pyrite disseminated					
204.00	205.50	Py00.5	204.00	205.50	Q286339	1.50	1.16
		Pyrite 0.5%					
		fine grained pyrite disseminated					
205.50	207.00	Py00.7	205.50	207.00	Q286340	1.50	0.439
		Pyrite 0.7%					
		fine grained pyrite in fractures					
207.00	208.50	Py00.7	207.00	208.50	Q286341	1.50	0.349
		Pyrite 0.7%					
		fine grained pyrite in fractures					
208.50	210.00	Py00.7	208.50	210.00	Q286342	1.50	0.141
		Pyrite 0.7%					
		fine grained pyrite in fractures					
210.00	211.50	Py00.7	210.00	211.50	Q286343	1.50	0.356
		Pyrite 0.7%					
		fine grained pyrite in fractures					
211.50	213.00	Py00.7					
		Pyrite 0.7%					
		fine grained pyrite in fractures					
211.50	217.50	Vn;3%;Sgq;In;40°;Py00.3 Hem00.2;	211.50	213.00	Q286344	1.50	0.149

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 3% smoky grey quartz infilled fractures 40° Pyrite 0.3%					
		SPECULARITE 0.2%					
		smoky grey quartz or tranlucent quartz-ankerite veins 0.5 // CA, 1 cm 70 DTCA.					
213.00	214.50	Py00.5	213.00	214.50	Q286345	1.50	0.484
		Pyrite 0.5%					
		fine grained pyrite disseminated					
214.50	216.00	Py00.5	214.50	216.00	Q286346	1.50	0.236
		Pyrite 0.5%					
		fine grained pyrite in fractures					
216.00	217.50	Py00.5	216.00	217.50	Q286347	1.50	0.079
		Pyrite 0.5%					
		fine grained pyrite in fractures					
217.50	219.00	Py00.5; Hem00.2	217.50	219.00	Q286348	1.50	0.059
		Pyrite 0.5%; SPECULARITE 0.2%					
		fine grained pyrite disseminated, specularite in quartz veins					
219.00	220.50	Py00.5	219.00	220.50	Q286349	1.50	0.169
		Pyrite 0.5%					
		fine grained pyrite disseminated					
220.50	222.00	Py00.5	220.50	222.00	Q286352	1.50	0.097
		Pyrite 0.5%					
		fine grained pyrite in fractures					
222.00	223.50	Py00.5	222.00	223.50	Q286353	1.50	0.112
		Pyrite 0.5%					
		fine grained pyrite disseminated					
223.50	225.00	Py00.5	223.50	225.00	Q286354	1.50	0.064
		Pyrite 0.5%					
		fine grained pyrite disseminated					
225.00	226.50	Py00.5	225.00	226.50	Q286355	1.50	0.118
		Pyrite 0.5%					
		fine grained pyrite disseminated					
226.50	228.00	Py00.5	226.50	228.00	Q286356	1.50	0.074
		Pyrite 0.5%					
		fine grained pyrite					
226.70	227.70	V4M; Por					
		Trachyte mafic 60°; Porphyritic					
		Grey/ pinkish grey porphyritic trachyte, 0.2-0.5 cm sub euhedral or rounded phenoes, moderately silicifed, weak potassic alteration, moderate chlorite (stringers), moderately magnetic, fine grained pyrite 0.2-0.5%.					
228.00	229.50	Py00.5	228.00	229.50	Q286357	1.50	0.046
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite					
229.50	261.00	K03; Ank03; Cl02; Se01; Si01					
		Potassic 3; Ankerite 3; Chlorite 2; Sericite 1; Silica 1					
		Strong pervasive potassic ankerite alteration, patchy dark green chlorite or stringers chlorite, patchy					
		weak sericite locally// fractures, weak silica					
229.50	289.00	Fln	229.50	231.00	Q286358	1.50	0.063
		Foliation 30°					
		weak intermittant foliation					
229.50	231.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
231.00	232.50	Py00.5	231.00	232.50	Q286359	1.50	0.074
		Pyrite 0.5%					
		fine grained pyrite					
232.50	234.00	Py00.5	232.50	234.00	Q286360	1.50	0.071
		Pyrite 0.5%					
		fine grained pyrite					
234.00	235.50	Py00.5	234.00	235.50	Q286361	1.50	0.055
		Pyrite 0.5%					
		fine grained pyrite					
235.50	237.00	Py00.5	235.50	237.00	Q286362	1.50	0.065
		Pyrite 0.5%					
		fine grained pyrite					
237.00	238.50	Py00.5	237.00	238.50	Q286363	1.50	0.06
		Pyrite 0.5%					
		fine grained pyrite					
238.50	240.00	Py00.5	238.50	240.00	Q286364	1.50	0.157
		Pyrite 0.5%					
		fine grained pyrite					
240.00	241.50	Py00.7	240.00	241.50	Q286365	1.50	0.098
		Pyrite 0.7%					
		fine grained pyrite					
241.50	243.00	Py00.5	241.50	243.00	Q286366	1.50	0.058
		Pyrite 0.5%					
		fine grained pyrite					
243.00	244.50	Py00.5	243.00	244.50	Q286367	1.50	0.082
		Pyrite 0.5%					
		fine grained pyrite					
244.50	246.00	Py00.5	244.50	246.00	Q286368	1.50	0.105
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite					
246.00	247.50	Py00.5	246.00	247.50	Q286369	1.50	0.078
		Pyrite 0.5%					
		fine grained pyrite					
247.50	249.00	Py00.5	247.50	249.00	Q286370	1.50	0.056
		Pyrite 0.5%					
		fine grained pyrite					
249.00	250.50	Py00.5	249.00	250.50	Q286371	1.50	0.105
		Pyrite 0.5%					
		fine grained pyrite					
250.50	252.00	Py00.5	250.50	252.00	Q286372	1.50	0.112
		Pyrite 0.5%					
		fine grained pyrite as stringers					
252.00	253.50	Py00.5	252.00	253.50	Q286373	1.50	0.069
		Pyrite 0.5%					
		fine grained pyrite					
253.50	255.00	Py00.5	253.50	255.00	Q286374	1.50	0.073
		Pyrite 0.5%					
		fine grained pyrite					
255.00	256.50	Py00.5	255.00	256.50	Q286377	1.50	0.118
		Pyrite 0.5%					
		fine grained pyrite					
256.50	258.00	Py00.5	256.50	258.00	Q286378	1.50	0.12
		Pyrite 0.5%					
		fine grained pyrite					
258.00	259.50	Py00.5	258.00	259.50	Q286379	1.50	0.549
		Pyrite 0.5%					
		fine grained pyrite					
259.50	261.00	Py00.5	259.50	261.00	Q286380	1.50	0.074
		Pyrite 0.5%					
		fine grained pyrite					
261.00	267.00	K03; Ank03; Si01	261.00	262.50	Q286381	1.50	0.124
		Potassic 3; Ankerite 3; Silica 1					
		Strong pervasive potassic alteration, weak silica					
261.00	262.50	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
262.50	264.00	Py00.5	262.50	264.00	Q286382	1.50	0.166
		Pyrite 0.5%					
		fine grained pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
264.00	265.50	Py00.5	264.00	265.50	Q286383	1.50	0.156
		Pyrite 0.5%					
		fine grained pyrite					
265.50	267.00	Py00.5	265.50	267.00	Q286384	1.50	0.102
		Pyrite 0.5%					
		fine grained pyrite					
267.00	273.00	K03; Ank02; Cl02	267.00	268.50	Q286385	1.50	0.152
		Potassic 3; Ankerite 2; Chlorite 2					
		Strong pervasive potassic alteration moderate ankerite, moderate patchy dark chlorite					
267.00	268.50	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
268.50	270.00	Py00.5	268.50	270.00	Q286386	1.50	0.068
		Pyrite 0.5%					
		fine grained pyrite					
270.00	271.50	Py00.7	270.00	271.50	Q286387	1.50	0.077
		Pyrite 0.7%					
		fine grained pyrite					
271.50	273.00	Py01	271.50	273.00	Q286388	1.50	0.223
		Pyrite 1%					
		fine grained pyrite					
273.00	280.50	Ca03; K02; Cl02	273.00	274.50	Q286389	1.50	0.019
		Calcite 3; Potassic 2; Chlorite 2					
		Stong pervasive clacite, moderate dark chlorite and potassic					
273.00	274.50	Py00.7					
		Pyrite 0.7%					
		fine grained pyrite disseminated					
274.50	276.00	Py00.5	274.50	276.00	Q286390	1.50	0.005
		Pyrite 0.5%					
		fine grained pyrite					
276.00	277.50	Py00.5	276.00	277.50	Q286391	1.50	0.016
		Pyrite 0.5%					
		fine grained pyrite					
277.50	279.00	Py00.5	277.50	279.00	Q286392	1.50	0.015
		Pyrite 0.5%					
		fine grained pyrite as stringers // foliation					
279.00	280.50	Py00.5	279.00	280.50	Q286393	1.50	0.02
		Pyrite 0.5%					
		fine grained pyrite					
280.00	288.50	Vt;40%;Qak Ca;In;40°;;					

Description			Assay				
			From	To	Sample number	Length	AuBest
		veinlet (1-5 mm) 40% quartz-ankerite calcite infilled fractures 40°					
		quartz-ankerite / calcite veins 0.5-2 cm 30-50 DTCA					
280.50	286.50	K02; Ank02; Cl01	280.50	282.00	Q286394	1.50	0.005
		Potassic 2; Ankerite 2; Chlorite 1					
		M0derate potassic ankerite alteration, weak chlorite					
280.50	282.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
282.00	283.50	Py00.5	282.00	283.50	Q286395	1.50	0.022
		Pyrite 0.5%					
		fine grained pyrite					
283.50	285.00	Py00.5	283.50	285.00	Q286396	1.50	0.009
		Pyrite 0.5%					
		fine grained pyrite					
285.00	286.50	Py00.5	285.00	286.50	Q286397	1.50	0.012
		Pyrite 0.5%					
		fine grained pyrite					
286.50	329.50	Ca03; Cl03; K02	286.50	288.00	Q286398	1.50	0.005
		Calcite 3; Chlorite 3; Potassic 2					
		Strong pervasive calcite, moderate potassic ankerite alteration					
286.50	288.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
288.00	289.50	Py00.5	288.00	289.50	Q286399	1.50	0.065
		Pyrite 0.5%					
		fine grained pyrite as stringers					
289.00	368.70	Fln					
		Foliation 60°					
		moderate foliation					
289.50	371.40	V4; Mass; Mass; Fol; Per	289.50	291.00	Q286402	1.50	0.027
		Trachyte; Massive; Massive; Foliated; PERLITIC					
		Fine grained dark grey trachytic flow with localized perlitic texture, intersect by 1m porphyritic trachyte with sub euhedral felspar phenoes, pervasive calcite alteration, mottle dark chlorite alteration. The foliation 30-60 DTCA is underline by dark chlorite alteration. the unit is strongly magnetic, It is mineralized with 0.5- 1% fine disseminated pyrite and some gashy fracture fillings.					
		The lower contact 367.10-371.10 m is intense tiger stripe foliation and beige colouration, no sulphides, moderate to strong ankerite-chlorite, moderate potassic.					
289.50	291.00	Py00.5					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine grained pyrite					
291.00	292.50	Py00.5	291.00	292.50	Q286403	1.50	0.02
		Pyrite 0.5%					
		fine grained pyrite					
292.50	294.00	Py00.2	292.50	294.00	Q286404	1.50	0.037
		Pyrite 0.2%					
		traces					
294.00	295.50	Py00.2	294.00	295.50	Q286405	1.50	0.026
		Pyrite 0.2%					
		traces					
295.50	297.00	Py00.2	295.50	297.00	Q286406	1.50	0.05
		Pyrite 0.2%					
		traces					
297.00	298.50	Py00.2	297.00	298.50	Q286407	1.50	0.08
		Pyrite 0.2%					
		traces					
298.50	300.00	Py00.2	298.50	300.00	Q286408	1.50	0.079
		Pyrite 0.2%					
		traces					
300.00	301.50	Py00.2	300.00	301.50	Q286409	1.50	0.1
		Pyrite 0.2%					
		traces					
301.50	303.00	Py00.2	301.50	303.00	Q286410	1.50	0.05
		Pyrite 0.2%					
		traces					
303.00	304.50	Py00.2	303.00	304.50	Q286411	1.50	0.104
		Pyrite 0.2%					
		traces					
304.50	306.00	Py00.2	304.50	306.00	Q286412	1.50	0.115
		Pyrite 0.2%					
		traces					
306.00	307.50	Py00.5	306.00	307.50	Q286413	1.50	0.026
		Pyrite 0.5%					
		fine grained disseminated or in veins					
307.50	309.00	Py00.5	307.50	309.00	Q286414	1.50	0.061
		Pyrite 0.5%					
		fine grained disseminated					
309.00	310.50	Py00.2	309.00	310.50	Q286415	1.50	0.053
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
310.50	312.00	Py00.2	310.50	312.00	Q286416	1.50	0.021
		Pyrite 0.2%					
		traces					
312.00	313.50	Py00.5; Py	312.00	313.50	Q286417	1.50	0.034
		Pyrite 0.5%; Pyrite					
		traces					
313.50	315.00	Py00.5	313.50	315.00	Q286418	1.50	0.079
		Pyrite 0.5%					
		fine grained pyrite disseminated					
315.00	316.50	Py00.5	315.00	316.50	Q286419	1.50	0.07
		Pyrite 0.5%					
		fine grained pyrite disseminated					
316.50	318.00	Py00.2	316.50	318.00	Q286420	1.50	0.009
		Pyrite 0.2%					
		traces					
318.00	319.50	Py00.2	318.00	319.50	Q286421	1.50	0.007
		Pyrite 0.2%					
		traces					
319.50	321.00	Py00.2	319.50	321.00	Q286422	1.50	0.007
		Pyrite 0.2%					
		traces					
321.00	322.50	Py00.2	321.00	322.50	Q286423	1.50	0.005
		Pyrite 0.2%					
		traces					
322.50	324.00	Py00.2	322.50	324.00	Q286424	1.50	<0.005
		Pyrite 0.2%					
		traces					
324.00	325.50	Py00.2	324.00	325.50	Q286427	1.50	<0.005
		Pyrite 0.2%					
		traces					
325.50	327.00	Py00.5	325.50	327.00	Q286428	1.50	0.014
		Pyrite 0.5%					
		fine grained pyrite disseminated					
327.00	328.50	Py00.2	327.00	328.50	Q286429	1.50	0.011
		Pyrite 0.2%					
		traces					
328.50	330.00	Py00.2	328.50	330.00	Q286430	1.50	0.005
		Pyrite 0.2%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
329.50	333.10	Ca03; Cl03					
		Calcite 3; Chlorite 3					
		strong pervasive calcite chlorite alteration					
330.00	331.50	Py00.5	330.00	331.50	Q286431	1.50	0.031
		Pyrite 0.5%					
		fine grained pyrite disseminated					
331.50	333.00	Py00.5	331.50	333.00	Q286432	1.50	0.013
		Pyrite 0.5%					
		fine grained pyrite disseminated					
333.00	334.50	Py00.2	333.00	334.50	Q286433	1.50	<0.005
		Pyrite 0.2%					
		traces					
333.10	364.70	Ca03; Cl03; K01					
		Calcite 3; Chlorite 3; Potassic 1					
		strong calcite chlorite alteration, moderate to weak potassic.					
334.50	336.00	Py00.2	334.50	336.00	Q286434	1.50	<0.005
		Pyrite 0.2%					
		traces					
336.00	337.50	Py00.2	336.00	337.50	Q286435	1.50	<0.005
		Pyrite 0.2%					
		traces					
337.50	339.00	Py00.2	337.50	339.00	Q286436	1.50	<0.005
		Pyrite 0.2%					
		traces					
339.00	340.50	Py00.2	339.00	340.50	Q286437	1.50	<0.005
		Pyrite 0.2%					
		traces					
340.50	342.00	Py00.2	340.50	342.00	Q286438	1.50	0.007
		Pyrite 0.2%					
		traces					
342.00	343.50	Py00.2	342.00	343.50	Q286439	1.50	0.006
		Pyrite 0.2%					
		traces					
343.50	345.00	Py00.2	343.50	345.00	Q286440	1.50	0.006
		Pyrite 0.2%					
		traces					
345.00	346.50	Py00.2	345.00	346.50	Q286441	1.50	0.009
		Pyrite 0.2%					
		traces					
346.50	348.00	Py00.2	346.50	348.00	Q286442	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces					
348.00	349.50	Py00.2	348.00	349.50	Q286443	1.50	0.057
		Pyrite 0.2%					
		traces					
349.50	351.00	Py00.2	349.50	351.00	Q286444	1.50	<0.005
		Pyrite 0.2%					
		traces					
351.00	352.50	Py00.2	351.00	352.50	Q286445	1.50	<0.005
		Pyrite 0.2%					
		traces					
352.50	354.00	Py00.2	352.50	354.00	Q286446	1.50	<0.005
		Pyrite 0.2%					
		traces					
354.00	355.50	Py00.2	354.00	355.50	Q286447	1.50	<0.005
		Pyrite 0.2%					
		traces					
355.50	357.00	Py00.2	355.50	357.00	Q286448	1.50	<0.005
		Pyrite 0.2%					
		traces					
357.00	358.50	Py00.2	357.00	358.50	Q286449	1.50	<0.005
		Pyrite 0.2%					
		traces					
358.50	360.00	Py00.2	358.50	360.00	Q286452	1.50	<0.005
		Pyrite 0.2%					
		traces					
360.00	361.50	Py00.2	360.00	361.50	Q286453	1.50	0.006
		Pyrite 0.2%					
		traces					
361.50	363.00	Py00.2	361.50	363.00	Q286454	1.50	0.006
		Pyrite 0.2%					
		traces					
363.00	364.50	Py00.1	363.00	364.50	Q286455	1.50	0.009
		Pyrite 0.1%					
		traces					
364.50	366.00	Py00.1	364.50	366.00	Q286456	1.50	0.031
		Pyrite 0.1%					
		traces					
364.70	367.10	Ca03; K02; Cl02					
		Calcite 3; Potassic 2; Chlorite 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong pervasive calcite, moderate pervasive potassic-dark chlorite.					
366.00	367.50	Py00.5	366.00	367.50	Q286457	1.50	0.503
		Pyrite 0.5%					
		pyrite as stringwers // foliation					
367.10	369.50	Ank02; Se02; Cl02					
		Ankerite 2; Sericite 2; Chlorite 2					
		moderate pervasive chlorite-sericite-ankerite alteration					
367.50	369.00	Py00.1	367.50	369.00	Q286458	1.50	0.028
		Pyrite 0.1%					
		traces					
368.70	369.00	Fln					
		Foliation 70°					
		intense and pervasive					
369.00	370.50	Py00.1	369.00	370.50	Q286459	1.50	0.008
		Pyrite 0.1%					
		traces					
369.50	374.30	Ank03; K02; Cl02; Ca01; Se01					
		Ankerite 3; Potassic 2; Chlorite 2; Calcite 1; Sericite 1					
		Strong Ankerite- potassicalteration in the red veins with sericite in the margins, moderate chlorite and spotty calcite					
370.50	372.00	Py00.1	370.50	372.00	Q286460	1.50	0.008
		Pyrite 0.1%					
		traces					
371.40	464.80	V4; Aph; FlBand					
		Trachyte 50°; APHANITIC; FLOWBANDED					
		Green grey, massive trachyte. The unit is weakly foliated (0-30 DTCA) but mainly has a more massive texture. The upper contact zone of this unit contains red-white quartz-ankerite-K feldspar injections 90 DTCA, then below are regukar 3-5cm thick blebs/veins in the matrix (cross-cutting the foliation (at 0dtca). Ductile deformations (crenulation) associated to flow bedding locally observe (392.50-402m). The unit is strongly magnetic with weak to moderate sericite-ankerite-hematite alteration. contains traces of pyrite.					
372.00	373.50	Py00.1					
		Pyrite 0.1%					
		traces					
372.00	374.30	Vm;60%;Qak Ca;;70°;;	372.00	373.50	Q286461	1.50	<0.005
		major vein (10 cm or greater) 60% quartz-ankerite calcite 70°					
		Red-white qtz-ank injections 56-75 cm					
373.50	375.00	Py00.1	373.50	375.00	Q286462	1.50	0.005
		Pyrite 0.1%					
		traces					
374.30	387.00	Ca03; Cl03; Se01					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Calcite 3; Chlorite 3; Sericite 1					
		intense pervasive calcite-chlorite alteration,					
374.35	392.50	Fln					
		Foliation 40°					
		weak foliation					
375.00	376.50	Py00.1	375.00	376.50	Q286463	1.50	<0.005
		Pyrite 0.1%					
		traces					
376.50	378.00	Py00.1	376.50	378.00	Q286464	1.50	<0.005
		Pyrite 0.1%					
		traces					
378.00	379.50	Py00.1	378.00	379.50	Q286465	1.50	<0.005
		Pyrite 0.1%					
		traces					
379.50	381.00	Py00.1	379.50	381.00	Q286466	1.50	0.009
		Pyrite 0.1%					
		traces					
381.00	382.50	Py00.5	381.00	382.50	Q286467	1.50	<0.005
		Pyrite 0.5%					
		traces					
382.50	384.00	Py00.1	382.50	384.00	Q286468	1.50	<0.005
		Pyrite 0.1%					
		traces					
383.50	393.00	Vm;30%;Qak;In;50°;;					
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 50°					
		Red-white qtz-ank injections 5-12-40 cm					
384.00	385.50	Py00.1	384.00	385.50	Q286469	1.50	0.007
		Pyrite 0.1%					
		traces					
385.50	387.00	Py00.1	385.50	387.00	Q286470	1.50	<0.005
		Pyrite 0.1%					
		traces					
387.00	406.00	Cl03; Se02; K02; Ank01; Ca01	387.00	388.50	Q286471	1.50	<0.005
		Chlorite 3; Sericite 2; Potassic 2; Ankerite 1; Calcite 1					
		intense pervasive chlorite, moderate sericite, weak ankerite-calcite, spotty potassic					
387.00	388.50	Py00.1					
		Pyrite 0.1%					
		traces					
388.50	390.00	Py00.1	388.50	390.00	Q286472	1.50	0.006
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
390.00	391.50	Py00.1	390.00	391.50	Q286473	1.50	0.017
		Pyrite 0.1%					
		traces					
391.50	393.00	Py00.1	391.50	393.00	Q286474	1.50	0.006
		Pyrite 0.1%					
		traces					
392.50	402.00	DZ					
		Deformation Zone 10°					
		weak deformation? zone with injections of quartz-ankerite veins orientations.					
393.00	394.50	Py00.2					
		Pyrite 0.2%					
		traces					
393.00	399.20	Vn;10%;Qak;In;20°;;	393.00	394.50	Q286477	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 20°					
		Red-white qtz-ank injections 2-3 cm 0-30 DTCA					
394.50	396.00	Py00.2	394.50	396.00	Q286478	1.50	0.15
		Pyrite 0.2%					
		traces					
396.00	397.50	Py00.2	396.00	397.50	Q286479	1.50	0.006
		Pyrite 0.2%					
		traces					
397.50	399.00	Py00.2	397.50	399.00	Q286480	1.50	<0.005
		Pyrite 0.2%					
		traces					
399.00	400.50	Py00.2	399.00	400.50	Q286481	1.50	0.009
		Pyrite 0.2%					
		traces					
399.20	403.70	Vm;60%;Qak;In;70°;;					
		major vein (10 cm or greater) 60% quartz-ankerite infilled fractures 70°					
		Red-white qtz-ank injections 2-80-50 cm					
400.50	402.00	Py00.2	400.50	402.00	Q286482	1.50	0.007
		Pyrite 0.2%					
		traces					
402.00	464.80	Fln	402.00	403.50	Q286483	1.50	<0.005
		Foliation 40°					
		weak foliation					
402.00	403.50	Py00.1					
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
403.50	405.00	Py00.1 **Pyrite 0.1%** traces	403.50	405.00	Q286484	1.50	0.005
403.70	408.20	Vt;5%;Qak;In;30°;; **veinlet (1-5 mm) 5% quartz-ankerite infilled fractures 30°** 0-30 infilled quartz ankerite/ calcite veinlets					
405.00	406.50	Py00.1 **Pyrite 0.1%** traces	405.00	406.50	Q286485	1.50	<0.005
406.00	431.00	Cl03; K02; Se01; Ca02 **Chlorite 3; Potassic 2; Sericite 1; Calcite 2** strong chlorite, moderate spotty potassic or hematite and calcite, weak sericite					
406.50	408.00	Py00.1 **Pyrite 0.1%** traces	406.50	408.00	Q286486	1.50	<0.005
408.00	409.50	Py00.1 **Pyrite 0.1%** traces	408.00	409.50	Q286487	1.50	<0.005
409.50	411.00	Py00.1 **Pyrite 0.1%** traces	409.50	411.00	Q286488	1.50	<0.005
411.00	412.50	Py00.1 **Pyrite 0.1%** traces	411.00	412.50	Q286489	1.50	0.008
412.50	414.00	Py00.1 **Pyrite 0.1%** traces	412.50	414.00	Q286490	1.50	0.009
414.00	415.50	Py00.1 **Pyrite 0.1%** traces	414.00	415.50	Q286491	1.50	<0.005
415.50	417.00	Py00.1 **Pyrite 0.1%** traces	415.50	417.00	Q286492	1.50	0.005
417.00	418.50	Py00.1 **Pyrite 0.1%** traces	417.00	418.50	Q286493	1.50	0.005
418.50	420.00	Py00.1 **Pyrite 0.1%** traces	418.50	420.00	Q286494	1.50	0.007
420.00	421.50	Py00.1	420.00	421.50	Q286495	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
421.50	423.00	Py00.1	421.50	423.00	Q286496	1.50	<0.005
		Pyrite 0.1%					
		traces					
423.00	424.50	Py00.1	423.00	424.50	Q286497	1.50	<0.005
		Pyrite 0.1%					
		traces					
424.50	426.00	Py00.1	424.50	426.00	Q286498	1.50	<0.005
		Pyrite 0.1%					
		traces					
426.00	427.50	Py00.1	426.00	427.50	Q286499	1.50	<0.005
		Pyrite 0.1%					
		traces					
427.50	429.00	Py00.1	427.50	429.00	Q286502	1.50	<0.005
		Pyrite 0.1%					
		traces					
429.00	430.50	Py00.1	429.00	430.50	Q286503	1.50	<0.005
		Pyrite 0.1%					
		traces					
430.50	432.00	Py00.1	430.50	432.00	Q286504	1.50	<0.005
		Pyrite 0.1%					
		traces					
431.00	464.80	Cl03; Ank02; K01; Se01					
		Chlorite 3; Ankerite 2; Potassic 1; Sericite 1					
		Strong pervasive chlorite, spotty potassic, weak sericite					
432.00	433.50	Py00.1	432.00	433.50	Q286505	1.50	0.012
		Pyrite 0.1%					
		traces					
433.50	435.00	Py00.1	433.50	435.00	Q286506	1.50	<0.005
		Pyrite 0.1%					
		traces					
435.00	436.50	Py00.1	435.00	436.50	Q286507	1.50	<0.005
		Pyrite 0.1%					
		traces					
436.50	438.00	Py00.1	436.50	438.00	Q286508	1.50	<0.005
		Pyrite 0.1%					
		traces					
438.00	439.50	Py00.1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
438.00	439.90	Vn;3%;Qak;In;40°;Py00.2;	438.00	439.50	Q286509	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40° Pyrite 0.2%					
		Red infilled quartz-ankerite or calcite veins 1-2-7 cm 30-60 DTCA					
439.50	441.00	Py00.1	439.50	441.00	Q286510	1.50	0.02
		Pyrite 0.1%					
		traces					
441.00	442.50	Py00.1	441.00	442.50	Q286511	1.50	<0.005
		Pyrite 0.1%					
		traces					
442.50	444.00	Py00.2	442.50	444.00	Q286512	1.50	0.01
		Pyrite 0.2%					
		traces					
444.00	445.50	Py00.5	444.00	445.50	Q286513	1.50	0.027
		Pyrite 0.5%					
		euhedral pyrite in veins					
444.10	444.50	Vm;98%;Qak;In;80°;Py00.2;					
		major vein (10 cm or greater) 98% quartz-ankerite infilled fractures 80° Pyrite 0.2%					
		Red quartz-ankerite veins with chlorite and traces of euhedral pyrite					
445.00	448.10	Vm;45%;Qak;In;60°;Py00.2;					
		major vein (10 cm or greater) 45% quartz-ankerite infilled fractures 60° Pyrite 0.2%					
		Red quartz-ankerite veins 15-40-20-25 cm with traces of pyrite					
445.50	447.00	Py00.1	445.50	447.00	Q286514	1.50	0.017
		Pyrite 0.1%					
		traces					
447.00	448.50	Py00.1	447.00	448.50	Q286515	1.50	0.006
		Pyrite 0.1%					
		traces					
448.50	450.00	Py00.1	448.50	450.00	Q286516	1.50	<0.005
		Pyrite 0.1%					
		traces					
450.00	451.50	Py00.1	450.00	451.50	Q286517	1.50	<0.005
		Pyrite 0.1%					
		traces					
451.50	453.00	Py00.1					
		Pyrite 0.1%					
		traces					
451.50	453.10	Vn;3%;Sgq Ak;In;;Py80;	451.50	453.00	Q286518	1.50	0.005
		vein (5 mm - 10 cm) 3% smoky grey quartz ankerite infilled fractures Pyrite 80%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		smoky grey quartz ankerite veins 1-3 cm 60-90 DTCA					
453.00	454.50	Py00.1	453.00	454.50	Q286519	1.50	<0.005
		Pyrite 0.1%					
		traces					
454.50	456.00	Py00.1	454.50	456.00	Q286520	1.50	<0.005
		Pyrite 0.1%					
		traces					
456.00	457.50	Py00.1	456.00	457.50	Q286521	1.50	<0.005
		Pyrite 0.1%					
		traces					
457.50	459.00	Py00.1	457.50	459.00	Q286522	1.50	<0.005
		Pyrite 0.1%					
		traces					
459.00	460.50	Py00.1	459.00	460.50	Q286523	1.50	<0.005
		Pyrite 0.1%					
		traces					
460.50	462.00	Py00.1	460.50	462.00	Q286524	1.50	<0.005
		Pyrite 0.1%					
		traces					
462.00	463.50	Py00.1	462.00	463.50	Q286527	1.50	<0.005
		Pyrite 0.1%					
		traces					
463.50	464.80	Py00.1	463.50	464.80	Q286528	1.30	<0.005
		Pyrite 0.1%					
		traces					
464.80		**End of DDH**					
		Number of samples: 250					
		Number of QAQC samples: 22					
		Total sampled length: 374.10					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_55

Drilled by:	Major	Claims title:	L9691	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	13/03/2014	Description date:	
		To:	17/04/2014		

Collar

Azimuth:	0.0°
Dip:	-50.0°
Length:	453.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,980.388
North	0.0	0.000	5,331,817.554
Elevation	0.0	0.000	342.563

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	60.00	3.5°	-50.7°	No	Mag = 55482
ReflexEZS	120.00	5.3°	-51.0°	No	Mag = 55233
ReflexEZS	180.00	4.8°	-51.0°	No	Mag = 54689
ReflexEZS	240.00	8.9°	-51.1°	No	Mag = 54229
ReflexEZS	300.00	2.2°	-50.9°	No	Mag = 54449
ReflexEZS	360.00	1.0°	-50.2°	No	Mag = 55303
ReflexEZS	420.00	4.8°	-49.8°	No	Mag = 54155

Description

Re-logged by Ciara Cooke June 2014.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	46.00	OVB	45.80	46.50	Q286529	0.70	0.191
		Overburden					
		Casing and overburden.					
46.00	67.75	V4; Vol					
		Trachyte; VOLCANICLASTIC					
		Med brick red to greyish green. Fine to coarse angular irregular fragments of intensely potassic altered glassy trachyte with perlitic texture in a fg groundmass with pervasive chl and interstitial sericite alteration. Fg to f-mg eu-subhedral plagioclase pseudomorphs suspended within chloritic groundmass. Relic lath shaped phenos preserved within glassy trachyte. Moderate to strong selective magnetite - infilling fractures and patchy. Dk green chloritic stringers and veinlets. Selectively disseminated fg py.					
46.00	67.75	K03; Cl02; Se02; Mgt02					
		Potassic 3; Chlorite 2; Sericite 2; Magnetite 2					
		Selective strong to intense potassic alteration of trachyte fragments. Moderate pervasive chl alteration of groundmass with selective moderate interstitial sericite. Moderate to strong selective magnetite.					
46.00	67.75	Vt;1%;Cl Qak;Ra;;;					
		veinlet (1-5 mm) 1% chlorite quartz-ankerite random					
		Dk green branching chloritic hairlines and veinlets. 1pct reddish to beige qtz-kfelds veinlets.					
46.50	48.00	Py00.2	46.50	48.00	Q286530	1.50	0.737
		Pyrite 0.2%	48.00	49.50	Q286531	1.50	0.279
		Fg selectively disseminated py.	49.50	51.00	Q286532	1.50	0.409
			51.00	52.50	Q286533	1.50	0.174
			52.50	54.00	Q286534	1.50	0.155
54.00	61.50	Py00.2	54.00	55.50	Q286535	1.50	0.178
		Pyrite 0.2%	55.50	57.00	Q286536	1.50	0.32
		Fg selectively disseminated py.	57.00	58.50	Q286537	1.50	0.041
			58.50	60.00	Q286538	1.50	0.738
			60.00	61.50	Q286539	1.50	0.17
			61.50	63.00	Q286540	1.50	0.197
			63.00	64.50	Q286541	1.50	0.379
64.50	66.00	Py00.2	64.50	66.00	Q286542	1.50	0.118
		Pyrite 0.2%	66.00	67.50	Q286543	1.50	0.469
		Fg selectively disseminated py.	67.50	69.00	Q286544	1.50	0.015
67.75	79.95	V4; PyroTuff; Lam					
		Trachyte; PYROCLASTIC (TUFFACEOUS); Laminated					
		Pale to med greyish-beige green. Fg groundmass with strong ankerite-sericite alteration. Selective chloritization at upper ctc. Trace fuchsite. Weak pervasive lamination with fragments elongated oblique tca. Med greyish lensoidal pumice fragments with sericite-ankerite amygdaloids. Minor ankerite-qtz veinlets oblique to lamination. Trace fg py.					

Description				Assay				
				From	To	Sample number	Length	AuBest
67.75	79.95	Ank03; Se02; Cl02; Fu01						
		Ankerite 3; Sericite 2; Chlorite 2; Fuchsite 1						
		Strong selective ankerite with moderate sericite. Selective weak to moderate chl at upper ctc and traces of fuchsite.						
67.75	69.90	Vn;7%;Qac;Ra;;Py00.2 Mo00.05;						
		vein (5 mm - 10 cm) 7% quartz-ankerite-chlorite random Pyrite 0.2% Molybdenite 0.05%						
		Greyish qtz veining with trace beige ankerite and dk green chl. Clustere py and trace incl of moly.						
69.00	70.50	Py00.2		69.00	70.50	Q286545	1.50	0.023
		Pyrite 0.2%		70.50	72.00	Q286546	1.50	0.007
		Fg selectively disseminated py.						
71.00	79.95	Vt;1%;Ak;Ra;;;		72.00	73.50	Q286547	1.50	0.007
		veinlet (1-5 mm) 1% ankerite random		73.50	75.00	Q286548	1.50	0.014
		Beige ankerite veinlets to veins. Isolated incl of qtz and chl. Few qtz-chl veinlets at low angles tca.		75.00	76.50	Q286549	1.50	0.006
				76.50	78.00	Q286552	1.50	0.008
				78.00	79.50	Q286553	1.50	0.007
				79.50	81.00	Q286554	1.50	0.142
79.95	85.50	V4; Per						
		Trachyte 60°; PERLITIC						
		Med brick red trachyte with pervasive dk green chloritic micro-fractures. Core is broken and rubble with isolated gouge. Intense pervasive potassic alteration. Selective moderate ankerite alteration. Trachytic fragments are solid red aphanitic. Traces fg py within chloritic microfractures. Sharp ctcs.						
79.95	85.50	K03; Ank02; Cl02						
		Potassic 3; Ankerite 2; Chlorite 2						
		Intense potassic alteration. Select moderate ankerite alteration within microfracture network. Moderate to strong interstitial dk green chl.						
79.97	85.50	Vt;7%;Cl;Sk;;;		81.00	82.50	Q286555	1.50	0.159
		veinlet (1-5 mm) 7% chlorite stockwork		82.50	84.00	Q286556	1.50	0.143
		Pervasive dk green chl stockwork.		84.00	85.50	Q286557	1.50	0.056
85.50	124.70	V4; LapTuff; Fol		85.50	87.00	Q286558	1.50	0.018
		Trachyte 70°; LAPILLI TUFF/AGGLOMERATE; Foliated		87.00	88.50	Q286559	1.50	0.006
		Med green with pink to beige fragments. Moderate to strong pervasive med green chl with selective sericite-ankerite alteration. Moderate pervasive magnetite. Weak to moderate selective calcite alteration - interstitial and veining. Weak to moderate pervasive foliation. Fg groundmass with interstitial sericite weakly attenuation within foliation. Fine to med sub-rounded to angular pinky to beige fragments with potassic to ankerite-sericite alteration. Fragments are selectively oriented within foliation. Broken rubbley core throughout unit with considerable clayey chloritic gouge in upper 7m. Isolated possible shear sense indicators including mantled porphyroblast and selective S-C fabric. Traces of fg py.						

Description			Assay				
			From	To	Sample number	Length	AuBest
85.50	124.50	Cl02; Se02; Ank02; Mgt02; Ca02; K01 **Chlorite 2; Sericite 2; Ankerite 2; Magnetite 2; Calcite 2; Potassic 1** Moderate to strong pervaisve chl. Weak to strong selective sericite. Weak to moderate selective ankerite. Moderate pervasive magnetite. Isolated weak to moderate calcite alteration. Isolated weak potassic alteration of selected fragments.					
88.00	89.00	Vn;5%;Qcc;Ra;;; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random** White to pinky-grey qtz-calcite veining with incl of dk green chl.	88.50	90.00	Q286560	1.50	0.009
			90.00	91.50	Q286561	1.50	0.005
			91.50	93.00	Q286562	1.50	0.007
			93.00	94.50	Q286563	1.50	<0.005
			94.50	96.00	Q286564	1.50	0.007
			96.00	97.50	Q286565	1.50	0.005
97.50	100.00	Vn;3%;Ca;Vn;;; **vein (5 mm - 10 cm) 3% calcite vein parallel to foliation** Pinky-grey calcite veining along lamination.	97.50	99.00	Q286566	1.50	<0.005
			99.00	100.50	Q286567	1.50	<0.005
			100.50	102.00	Q286568	1.50	0.014
			102.00	103.50	Q286569	1.50	0.007
103.20	106.40	Vn;5%;Qak;Vn;;; **vein (5 mm - 10 cm) 5% quartz-ankerite vein parallel to foliation** Greyish pinky qtz with white ankerite and pinky-orange k-felds incl. Sharp but undulatory ctcs.	103.50	105.00	Q286570	1.50	<0.005
			105.00	106.50	Q286571	1.50	<0.005
			106.50	108.00	Q286572	1.50	<0.005
			108.00	109.50	Q286573	1.50	0.006
			109.50	111.00	Q286574	1.50	<0.005
109.90	123.60	Vn;3%;Qcr;Vn;;; **vein (5 mm - 10 cm) 3% quartz-carbonate vein parallel to foliation** Pinky-grey qtz to white-pink carbonates. Calcite with selective ankerite. Irregular and folded within foliation.	111.00	112.50	Q286577	1.50	<0.005
			112.50	114.00	Q286578	1.50	<0.005
			114.00	115.50	Q286579	1.50	<0.005
			115.50	117.00	Q286580	1.50	<0.005
			117.00	118.50	Q286581	1.50	<0.005
			118.50	120.00	Q286582	1.50	<0.005
			120.00	121.50	Q286583	1.50	<0.005
			121.50	123.00	Q286584	1.50	0.005
			123.00	124.50	Q286585	1.50	0.013
			124.50	126.00	Q286586	1.50	0.024
124.70	392.75	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Med to dk green tuff to lapilli tuff. Fg with intense pervasive chl alteration. Moderate interstitial pink to white calcite alteration banded within chl. Transitioning to ankerite alteration around 323m with weak to strong interstitial ankerite. Moderate pervasive magnetism. Sericite appearing with intensifying deformation attenuated within foliation and along escape structures. Weak to strong pervasive foliation. Pink to white	126.00	127.50	Q286587	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		qtz-calcite-ankerite veining within as well as cross-cutting foliation. Isolated raft of glassy red trachyte banded with chloritized tuff from 126.1 to 126.75m. S-C fabric shear sense indicators selective at upper ctc increasing intensity and abundance downhole with intense tectonic deformation from 324.5 to EOH. Trace f-mg py.					
124.70	323.00	Cl03; Mgt02; Ca02 **Chlorite 3; Magnetite 2; Calcite 2** Strong pervasive chl alteration with disseminated magnetite and interstitial calcite.					
124.70	277.00	Vn;3%;Qca;Ra;;; **vein (5 mm - 10 cm) 3% random** Pinky-grey qtz-calcite veining. High to low angles tca. Trace mottled incl of dk green chl. Trace incl of py.					
126.10	126.75	V4; Per **Trachyte 80°; PERLITIC** Med brick red. Glassy with perlitic texture. Mottled and banded within chloritic tuff.	127.50	129.00	Q286588	1.50	<0.005
			129.00	130.50	Q286589	1.50	0.031
			130.50	132.00	Q286590	1.50	0.038
			132.00	133.50	Q286591	1.50	<0.005
			133.50	135.00	Q286592	1.50	<0.005
			135.00	136.50	Q286593	1.50	<0.005
			136.50	138.00	Q286594	1.50	<0.005
			138.00	139.50	Q286595	1.50	<0.005
			139.50	141.00	Q286596	1.50	<0.005
			141.00	142.50	Q286597	1.50	0.006
			142.50	144.00	Q286598	1.50	<0.005
			144.00	145.50	Q286599	1.50	<0.005
			145.50	147.00	Q286602	1.50	0.006
			147.00	148.50	Q286603	1.50	<0.005
			148.50	150.00	Q286604	1.50	0.005
			150.00	151.50	Q286605	1.50	<0.005
			151.50	153.00	Q286606	1.50	<0.005
			153.00	154.50	Q286607	1.50	0.005
			154.50	156.00	Q286608	1.50	<0.005
			156.00	157.50	Q286609	1.50	<0.005
			157.50	159.00	Q286610	1.50	<0.005
			159.00	160.50	Q286611	1.50	<0.005
			160.50	162.00	Q286612	1.50	<0.005
			162.00	163.50	Q286613	1.50	0.016
			163.50	165.00	Q286614	1.50	<0.005
			165.00	166.50	Q286615	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	166.50	168.00	Q286616	1.50	<0.005
	168.00	169.50	Q286617	1.50	<0.005
	169.50	171.00	Q286618	1.50	<0.005
	171.00	172.50	Q286619	1.50	0.019
	172.50	174.00	Q286620	1.50	0.006
	174.00	175.50	Q286621	1.50	0.008
	175.50	177.00	Q286622	1.50	<0.005
	177.00	178.50	Q286623	1.50	0.005
	178.50	180.00	Q286624	1.50	<0.005
	180.00	181.50	Q286627	1.50	0.005
	181.50	183.00	Q286628	1.50	<0.005
	183.00	184.50	Q286629	1.50	<0.005
	184.50	186.00	Q286630	1.50	<0.005
	186.00	187.50	Q286631	1.50	<0.005
	187.50	189.00	Q286632	1.50	0.006
	189.00	190.50	Q286633	1.50	<0.005
	190.50	192.00	Q286634	1.50	<0.005
	192.00	193.50	Q286635	1.50	<0.005
	193.50	195.00	Q286636	1.50	<0.005
	195.00	196.50	Q286637	1.50	<0.005
	196.50	198.00	Q286638	1.50	<0.005
	198.00	199.50	Q286639	1.50	0.013
	199.50	201.00	Q286640	1.50	0.007
	201.00	202.50	Q286641	1.50	<0.005
	202.50	204.00	Q286642	1.50	<0.005
	204.00	205.50	Q286643	1.50	<0.005
	205.50	207.00	Q286644	1.50	<0.005
	207.00	208.50	Q286645	1.50	<0.005
	208.50	210.00	Q286646	1.50	<0.005
	210.00	211.50	Q286647	1.50	<0.005
	211.50	213.00	Q286648	1.50	<0.005
	213.00	214.50	Q286649	1.50	<0.005
	214.50	216.00	Q286652	1.50	0.006
	216.00	217.50	Q286653	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	217.50	219.00	Q286654	1.50	0.009
	219.00	220.50	Q286655	1.50	0.007
	220.50	222.00	Q286656	1.50	<0.005
	222.00	223.50	Q286657	1.50	<0.005
	223.50	225.00	Q286658	1.50	<0.005
	225.00	226.50	Q286659	1.50	<0.005
	226.50	228.00	Q286660	1.50	<0.005
	228.00	229.50	Q286661	1.50	<0.005
	229.50	231.00	Q286662	1.50	<0.005
	231.00	232.50	Q286663	1.50	<0.005
	232.50	234.00	Q286664	1.50	0.009
	234.00	235.50	Q286665	1.50	0.006
	235.50	237.00	Q286666	1.50	0.005
	237.00	238.50	Q286667	1.50	0.005
	238.50	240.00	Q286668	1.50	<0.005
	240.00	241.50	Q286669	1.50	<0.005
	241.50	243.00	Q286670	1.50	0.005
	243.00	244.50	Q286671	1.50	0.006
	244.50	246.00	Q286672	1.50	<0.005
	246.00	247.50	Q286673	1.50	<0.005
	247.50	249.00	Q286674	1.50	<0.005
	249.00	250.50	Q286677	1.50	<0.005
	250.50	252.00	Q286678	1.50	<0.005
	252.00	253.50	Q286679	1.50	<0.005
	253.50	255.00	Q286680	1.50	0.007
	255.00	256.50	Q286681	1.50	0.005
	256.50	258.00	Q286682	1.50	0.008
	258.00	259.50	Q286683	1.50	0.015
	259.50	261.00	Q286684	1.50	0.011
	261.00	262.50	Q286685	1.50	0.005
	262.50	264.00	Q286686	1.50	0.008
	264.00	265.50	Q286687	1.50	0.008
	265.50	267.00	Q286688	1.50	<0.005
	267.00	268.50	Q286689	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			268.50	270.00	Q286690	1.50	<0.005
			270.00	271.50	Q286691	1.50	<0.005
			271.50	273.00	Q286692	1.50	0.006
			273.00	274.50	Q286693	1.50	0.006
			274.50	276.00	Q286694	1.50	0.006
			276.00	277.50	Q286695	1.50	<0.005
277.00	277.65	Vn;40%;Qac;Ra;;;	277.50	279.00	Q286696	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-ankerite-chlorite random					
		Greyish qtz with minor white ankerite and trace dk green mottled chl.					
277.65	312.30	Vn;4%;Qca;Ra;;;	279.00	280.50	Q286697	1.50	<0.005
		vein (5 mm - 10 cm) 4% quartz-calcite random	280.50	282.00	Q286698	1.50	0.009
		Pinky-grey qtz-calcite veining. Oriented within and oblique to foliation. Trace mottled incl of dk green chl.	282.00	283.50	Q286699	1.50	<0.005
			283.50	285.00	Q286702	1.50	<0.005
			285.00	286.50	Q286703	1.50	0.013
			286.50	288.00	Q286704	1.50	0.006
			288.00	289.50	Q286705	1.50	<0.005
			289.50	291.00	Q286706	1.50	<0.005
			291.00	292.50	Q286707	1.50	<0.005
			292.50	294.00	Q286708	1.50	<0.005
			294.00	295.50	Q286709	1.50	0.014
			295.50	297.00	Q286710	1.50	0.007
			297.00	298.50	Q286711	1.50	<0.005
			298.50	300.00	Q286712	1.50	0.017
			300.00	301.50	Q286713	1.50	<0.005
			301.50	303.00	Q286714	1.50	<0.005
			303.00	304.50	Q286715	1.50	0.006
			304.50	306.00	Q286716	1.50	0.01
			306.00	307.50	Q286717	1.50	0.012
			307.50	309.00	Q286718	1.50	<0.005
			309.00	310.50	Q286719	1.50	<0.005
			310.50	312.00	Q286720	1.50	0.005
			312.00	313.50	Q286721	1.50	0.016
			313.50	315.00	Q286722	1.50	0.009
313.80	327.50	Vn;7%;Qac Qca;Vn;;;	315.00	316.50	Q286723	1.50	0.008
		vein (5 mm - 10 cm) 7% quartz-ankerite-chlorite quartz-calcite vein parallel to foliation					

Description			Assay				
			From	To	Sample number	Length	AuBest
		White to pinky-grey qtz-ankerite-chl and qtz-calcite veining. Folded within tectonic deformation.	316.50	318.00	Q286724	1.50	0.014
			318.00	319.50	Q286727	1.50	0.01
			319.50	321.00	Q286728	1.50	<0.005
			321.00	322.50	Q286729	1.50	<0.005
			322.50	324.00	Q286730	1.50	<0.005
323.00	353.00	Cl03; Se02; Ank02; Mgt02; Ca01	324.00	325.50	Q286731	1.50	<0.005
		Chlorite 3; Sericite 2; Ankerite 2; Magnetite 2; Calcite 1	325.50	327.00	Q286732	1.50	0.027
		Strong selective chl throughout unit. Moderate to strong isolated wispy and attenuated sericite. Weak to strong isolated interstitial ankerite. Weak to moderate selectively disseminated magnetite. Weak isolated calcite veining.	327.00	328.50	Q286733	1.50	<0.005
			328.50	330.00	Q286734	1.50	0.01
			330.00	331.50	Q286735	1.50	0.015
			331.50	333.00	Q286736	1.50	0.011
			333.00	334.50	Q286737	1.50	0.01
			334.50	336.00	Q286738	1.50	0.005
			336.00	337.50	Q286739	1.50	<0.005
336.90	340.20	Vn;3%;Qak Ca;Vn;;;	337.50	339.00	Q286740	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite calcite vein parallel to foliation	339.00	340.50	Q286741	1.50	0.005
		White to pinky-grey qtz-ankerite-calcite veining.	340.50	342.00	Q286742	1.50	<0.005
			342.00	343.50	Q286743	1.50	<0.005
			343.50	345.00	Q286744	1.50	<0.005
			345.00	346.50	Q286745	1.50	<0.005
			346.50	348.00	Q286746	1.50	<0.005
			348.00	349.50	Q286747	1.50	<0.005
			349.50	351.00	Q286748	1.50	0.015
			351.00	352.50	Q286749	1.50	<0.005
			352.50	354.00	Q286752	1.50	<0.005
353.00	392.75	Ank03; Cl03; Se02; Mgt02; Ca01	354.00	355.50	Q286753	1.50	<0.005
		Ankerite 3; Chlorite 3; Sericite 2; Magnetite 2; Calcite 1	355.50	357.00	Q286754	1.50	<0.005
		Strong pervasive ankerite alteration. Strong to intense selective dk green chl pervasive throughout unit. Moderate to strong wispy sericite attenuated within foliation. Moderate disseminated magnetism. Weak to moderate clacite within veining.	357.00	358.50	Q286755	1.50	<0.005
			358.50	360.00	Q286756	1.50	0.006
			360.00	361.50	Q286757	1.50	<0.005
			361.50	363.00	Q286758	1.50	<0.005
			363.00	364.50	Q286759	1.50	<0.005
			364.50	366.00	Q286760	1.50	<0.005
			366.00	367.50	Q286761	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
367.50	392.50	Vn;2%;Qak Ca;Vn;;;	367.50	369.00	Q286762	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite calcite vein parallel to foliation	369.00	370.50	Q286763	1.50	<0.005
		White to pinky-grey qtz-ankerite-calcite veining. Isolated incl of orangy anhydrite.	370.50	372.00	Q286764	1.50	<0.005
			372.00	373.50	Q286765	1.50	<0.005
			373.50	375.00	Q286766	1.50	<0.005
			375.00	376.50	Q286767	1.50	<0.005
			376.50	378.00	Q286768	1.50	<0.005
			378.00	379.50	Q286769	1.50	<0.005
			379.50	381.00	Q286770	1.50	<0.005
			381.00	382.50	Q286771	1.50	<0.005
			382.50	384.00	Q286772	1.50	<0.005
384.00	385.50	Cp00.1	384.00	385.50	Q286773	1.50	0.005
		Chalcopyrite 0.1%	385.50	387.00	Q286774	1.50	<0.005
		Mg vein controlled chalco.	387.00	388.50	Q286777	1.50	0.007
			388.50	390.00	Q286778	1.50	0.012
			390.00	391.50	Q286779	1.50	<0.005
			391.50	393.00	Q286780	1.50	<0.005
392.75	453.00	V4; LapTuff; Fol					
		Trachyte 45°; LAPILLI TUFF/AGGLOMERATE; Foliated					
		Med greenish-grey lapilli tuff with banded to mottled to clastic texture. Moderate to strong selective ankerite. Moderate to strong interstitial greyish-green chl and wispy attenuated sericite alteration. Disseminated f-mg magnetite. Tectonic deformation weakening towards lower ctc with intense banding and S-C fabrics as well as gouge at upper ctc. Fg chloritic-ankerite groundmass with fine to med rounded pinky-red mantled porphyroblasts and possible tuffaceous clasts elongated along folation. Isolated deep reddish-purple discolouration at centre of white-beige fragments - possible hematite. Isolated zones of massive greyish-white qtz hydrothermal veining with fine to coarse brecciated fragments of wall rock. Reddish-white to grey pegmatitic veins of qtz-ankerite and k-felds. Traces of fg py and vein controlled chalco.					
392.75	453.00	Ank02; Se02; Cl02; Mgt02; Ca01	393.00	394.50	Q286781	1.50	<0.005
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2; Calcite 1	394.50	396.00	Q286782	1.50	<0.005
		Moderate to strong selective ankerite alteration. Moderate selective interstitial sericite and chl alteration. Disseminated moderate magnetite. Weak isolated calcite restricted to veining.	396.00	397.50	Q286783	1.50	0.01
			397.50	399.00	Q286784	1.50	0.012
			399.00	400.50	Q286785	1.50	<0.005
			400.50	402.00	Q286786	1.50	0.009
402.00	403.35	Vn;10%;Qak;Vn;;;	402.00	403.50	Q286787	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite vein parallel to foliation	403.50	405.00	Q286788	1.50	0.005
		Greyish to white-beige and orangy-pink pegmatitic veins of qtz-ankerite and k-felds.	405.00	406.50	Q286789	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			406.50	408.00	Q286790	1.50	0.014
			408.00	409.50	Q286791	1.50	0.005
			409.50	411.00	Q286792	1.50	<0.005
410.70	435.00	Vm;15%;Qak;Fl;;;	411.00	412.50	Q286793	1.50	<0.005
		major vein (10 cm or greater) 15% quartz-ankerite flooding	412.50	414.00	Q286794	1.50	<0.005
		Isolated greyish-white translucent qtz hydrothermal brecciated veining with minor incl of ankerite and traces of dk green chl and chalky white calcite. Selective networks of stringy dk green chl and qtz also brecciating wall rock.	414.00	415.50	Q286795	1.50	0.006
			415.50	417.00	Q286796	1.50	0.006
			417.00	418.50	Q286797	1.50	0.007
			418.50	420.00	Q286798	1.50	0.008
			420.00	421.50	Q286799	1.50	0.012
			421.50	423.00	Q286802	1.50	0.007
			423.00	424.50	Q286803	1.50	<0.005
			424.50	426.00	Q286804	1.50	<0.005
			426.00	427.50	Q286805	1.50	<0.005
			427.50	429.00	Q286806	1.50	<0.005
			429.00	430.50	Q286807	1.50	<0.005
			430.50	432.00	Q286808	1.50	<0.005
			432.00	433.50	Q286809	1.50	0.012
			433.50	435.00	Q286810	1.50	<0.005
			435.00	436.50	Q286811	1.50	0.01
			436.50	438.00	Q286812	1.50	0.012
437.40	443.00	Vn;15%;Qak;Vn;;;	438.00	439.50	Q286813	1.50	<0.005
		vein (5 mm - 10 cm) 15% quartz-ankerite vein parallel to foliation	439.50	441.00	Q286814	1.50	0.012
		Greyish to white-beige and pinkish-red pegmatitic veins of k-felds-qtz and ankerite. Isolated stringers and fine clumps of dk green chl.	441.00	442.50	Q286815	1.50	0.011
			442.50	444.00	Q286816	1.50	0.006
			444.00	445.50	Q286817	1.50	<0.005
444.10	448.00	Vm;60%;Qak;Fl;;;	445.50	447.00	Q286818	1.50	<0.005
		major vein (10 cm or greater) 60% quartz-ankerite flooding	447.00	448.50	Q286819	1.50	<0.005
		Massive greyish-white hydrothermal brecciated qtz vein with minor ankerite and traces of orangy-red anhydrite.					
448.00	452.00	Vn;2%;Qac;Vc;;;	448.50	450.00	Q286820	1.50	0.012
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein cross-cutting foliation	450.00	451.50	Q286821	1.50	<0.005
		Greyish-white to dk green qtz-ankerite-chl veining.	451.50	453.00	Q286822	1.50	<0.005

453.00	End of DDH
	Number of samples: 272
	Number of QAQC samples: 22
	Total sampled length: 407.20

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_56

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	A Richardson/ Re_log by Reza	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	10/03/2014	Description date:	03/04/2014
		To:	14/03/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 407.58 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,561.845
North	0.0	0.000	5,331,833.430
Elevation	0.0	0.000	343.491

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	39.00	177.4°	-50.4°	No	Mag = 55792
ReflexEZS	99.00	176.3°	-50.1°	No	Mag = 56136
ReflexEZS	159.00	176.0°	-50.4°	No	Mag = 56510
ReflexEZS	210.00	174.0°	-50.1°	No	Mag = 55523
ReflexEZS	261.00	174.9°	-49.9°	No	Mag = 55184
ReflexEZS	312.00	171.6°	-48.9°	No	Mag = 55797
ReflexEZS	363.00	178.8°	-47.4°	No	Mag = 56470

Description

Re_log by Reza Hosseinnejad

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	27.00	OVB; Undie **Overburden; UNDEFINED** UNDEFINED						
27.00	69.80	V4Tl; LapTuff **Trachytic lapilli tuff; LAPILLI TUFF/AGGLOMERATE** Fine grained and pal green ground mass contains 10-15% pinkish calcitic lapilli. The lapilli elongated on the plan of foliation @ 40 dtca. Some of the lapilli show moderate stretch. The calcitic lapilli overprinted by ankerite in down hole. The rock shows moderate to intense magnetic. The unit shows intense to moderate pervasive dark green chloride alteration. Pyrite mineralization is trace.						
27.00	265.00	Cl01 **Chlorite 1** The unit shows weak to moderate pervasive dark to yellow green chloride alteration. This chloride shoud be product of mafic minerals such as pyroxene, amphibole, and biotite.		27.00	28.50	Q204002	1.50	0.01
				28.50	30.00	Q204003	1.50	0.02
				30.00	31.50	Q204004	1.50	0.02
				31.50	33.00	Q204005	1.50	0.03
				33.00	34.50	Q204006	1.50	0.021
				34.50	36.00	Q204007	1.50	0.02
				36.00	37.50	Q204008	1.50	0.03
				37.50	39.00	Q204009	1.50	0.022
				39.00	40.50	Q204010	1.50	0.006
				40.50	42.00	Q204011	1.50	<0.005
				42.00	43.50	Q204012	1.50	0.005
				43.50	45.00	Q204013	1.50	0.005
				45.00	47.00	Q204014	2.00	0.006
				47.00	48.50	Q204015	1.50	0.006
				48.50	50.00	Q204016	1.50	<0.005
				50.00	51.50	Q204017	1.50	<0.005
				51.50	53.00	Q204018	1.50	0.006
				53.00	54.50	Q204019	1.50	0.017
				54.50	56.00	Q204020	1.50	0.007
				56.00	57.50	Q204021	1.50	0.009
				57.50	59.00	Q204022	1.50	<0.005
				59.00	60.50	Q204023	1.50	0.01
				60.50	62.00	Q204024	1.50	0.006
				62.00	63.50	Q204027	1.50	0.013
				63.50	65.00	Q204028	1.50	<0.005
				65.00	66.50	Q204029	1.50	<0.005
				66.50	68.00	Q204030	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			68.00	69.50	Q204031	1.50	0.007
			69.50	71.00	Q204032	1.50	0.005
69.80	250.00	V4T; Phan; Vol; LapTuff	71.00	72.50	Q204033	1.50	<0.005
		Trachytic tuff; PHANERITIC; VOLCANICLASTIC 0°; LAPILLI TUFF/AGGLOMERATE	72.50	74.00	Q204034	1.50	<0.005
		Fine grained green groundmass somewhere contains 2-4% pumice and calcitic blebs. The foliation is variable	74.00	75.50	Q204035	1.50	0.01
		but in general the rock shows foliation@ 60-90 dtca. The blebs somewhere fade. it goes in and out. The calcite	75.50	77.00	Q204036	1.50	<0.005
		locally overprinted by ankerite and K feldspar. In the interval 249-280.20 the amount of lapilli increased up 20 %	77.00	78.50	Q204037	1.50	<0.005
		and the rock come back to lapilli tuff and then goes back .	78.50	80.00	Q204038	1.50	<0.005
		This unit contains 1- 5 % quartz- calcite elongated on plan of foliation. Vaguely texture due to alteration of	80.00	81.50	Q204039	1.50	<0.005
		brownish-red and greyish-green pumice present. The amount of irregular volcano clasts is variable from 1-5	81.50	83.00	Q204040	1.50	<0.005
		%. The unit consists pervasive intense magnetic and calcite.					
		255.35-255.45 bleached due to ankerite alteration.					
		This rock shows pervasive weak to moderate chloride alteration. From 268.8-270 all the calcite overprinted by					
		ankerite and the rock is not magnetic.337.10-337.12 a purpel quartz vein crosscut the rock @45 dtca. the					
		megin is altered.					
		The interval 336-337.40 is very fine grained blackish color and soft. This interval consists a few fractures that					
		has fill by a few calcite and pyrite veinlets.					
		331-336 in this interval the amount of whitish pinkish calcite feldspar veins patches and wispy increased up to					
		7%.					
82.40	82.50	Vn;90%;Qca;In;25°;;					
		vein (5 mm - 10 cm) 90% quartz-calcite infilled fractures 25°					
		A pinkish quartz calcite veins wide 4cm crosscut the rock. It seems it fill fractures. The vein contains					
		crushed rock. There is no pyrite mineralization inside or outside this vein.					
82.50	165.00	Vt;4%;Qca;Ra;40°;;	83.00	84.50	Q204041	1.50	0.03
		veinlet (1-5 mm) 4% quartz-calcite random 40°	84.50	86.00	Q204042	1.50	<0.005
		A network of quartz calcite veinlets wide 1-5mm cut the rock at the variable orientation. The veins	86.00	87.50	Q204043	1.50	0.005
		orientation are variable from crosscutting to elongate on plan of foliation.	87.50	89.00	Q204044	1.50	<0.005
			89.00	90.50	Q204045	1.50	0.01
			90.50	92.00	Q204046	1.50	0.009
			92.00	93.50	Q204047	1.50	0.006
			93.50	95.00	Q204048	1.50	<0.005
			95.00	96.50	Q204049	1.50	0.006
			96.50	98.00	Q204052	1.50	0.016
			98.00	99.50	Q204053	1.50	0.008
			99.50	101.00	Q204054	1.50	0.006
			101.00	102.50	Q204055	1.50	0.007

Description	Assay				
	From	To	Sample number	Length	AuBest
	102.50	104.00	Q204056	1.50	0.009
	104.00	105.50	Q204057	1.50	0.008
	105.50	107.00	Q204058	1.50	<0.005
	107.00	108.50	Q204059	1.50	0.007
	108.50	110.00	Q204060	1.50	0.008
	110.00	111.50	Q204061	1.50	0.008
	111.50	113.00	Q204062	1.50	0.007
	113.00	114.50	Q204063	1.50	0.011
	114.50	116.00	Q204064	1.50	0.007
	116.00	117.50	Q204065	1.50	<0.005
	117.50	119.00	Q204066	1.50	0.008
	119.00	120.50	Q204067	1.50	<0.005
	120.50	122.00	Q204068	1.50	0.017
	122.00	123.50	Q204069	1.50	<0.005
	123.50	125.00	Q204070	1.50	0.005
	125.00	126.50	Q204071	1.50	0.01
	126.50	128.00	Q204072	1.50	0.009
	128.00	129.50	Q204073	1.50	0.008
	129.50	131.00	Q204074	1.50	0.008
	131.00	132.50	Q204077	1.50	<0.005
	132.50	134.00	Q204078	1.50	<0.005
	134.00	135.50	Q204079	1.50	<0.005
	135.50	137.00	Q204080	1.50	<0.005
	137.00	138.50	Q204081	1.50	<0.005
	138.50	140.00	Q204082	1.50	<0.005
	140.00	141.50	Q204083	1.50	0.005
	141.50	143.00	Q204084	1.50	<0.005
	143.00	144.50	Q204085	1.50	<0.005
	144.50	146.00	Q204086	1.50	<0.005
	146.00	147.50	Q204087	1.50	<0.005
	147.50	149.00	Q204088	1.50	<0.005
	149.00	150.50	Q204089	1.50	0.048
	150.50	152.00	Q204090	1.50	0.008
	152.00	153.50	Q204091	1.50	0.006

Description	Assay				
	From	To	Sample number	Length	AuBest
	153.50	155.00	Q204092	1.50	<0.005
	155.00	156.50	Q204093	1.50	<0.005
	156.50	158.00	Q204094	1.50	<0.005
	158.00	159.50	Q204095	1.50	0.005
	159.50	161.00	Q204096	1.50	0.006
	161.00	162.50	Q204097	1.50	0.007
	162.50	164.00	Q204098	1.50	0.005
	164.00	165.50	Q204099	1.50	0.006
	165.50	167.00	Q204102	1.50	0.007
	167.00	168.50	Q204103	1.50	0.006
	168.50	170.00	Q204104	1.50	0.005
	170.00	171.50	Q204105	1.50	0.006
	171.50	173.00	Q204106	1.50	0.009
	173.00	174.50	Q204107	1.50	0.007
	174.50	176.00	Q204108	1.50	<0.005
	176.00	177.50	Q204109	1.50	<0.005
	177.50	179.00	Q204110	1.50	0.005
	179.00	180.50	Q204111	1.50	<0.005
	180.50	182.00	Q204112	1.50	0.006
	182.00	183.50	Q204113	1.50	<0.005
	183.50	185.00	Q204114	1.50	<0.005
	185.00	186.50	Q204115	1.50	<0.005
	186.50	188.00	Q204116	1.50	<0.005
	188.00	189.50	Q204117	1.50	<0.005
	189.50	191.00	Q204118	1.50	<0.005
	191.00	192.50	Q204119	1.50	<0.005
	192.50	194.00	Q204120	1.50	<0.005
	194.00	195.50	Q204121	1.50	<0.005
	195.50	197.00	Q204122	1.50	<0.005
	197.00	198.50	Q204123	1.50	<0.005
	198.50	200.00	Q204124	1.50	<0.005
	200.00	201.50	Q204127	1.50	0.005
	201.50	203.00	Q204128	1.50	<0.005
	203.00	204.50	Q204129	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			204.50	206.00	Q204130	1.50	0.01
			206.00	207.50	Q204131	1.50	0.007
			207.50	209.00	Q204132	1.50	0.015
			209.00	210.50	Q204133	1.50	0.006
			210.50	212.00	Q204134	1.50	<0.005
			212.00	213.50	Q204135	1.50	<0.005
			213.50	215.00	Q204136	1.50	0.006
			215.00	216.50	Q204137	1.50	0.005
			216.50	218.00	Q204138	1.50	0.006
			218.00	219.50	Q204139	1.50	0.006
			219.50	221.00	Q204140	1.50	<0.005
			221.00	222.50	Q204141	1.50	<0.005
			222.50	224.00	Q204142	1.50	<0.005
			224.00	225.50	Q204143	1.50	0.005
			225.50	227.00	Q204144	1.50	<0.005
			227.00	228.50	Q204145	1.50	0.006
			228.50	230.00	Q204146	1.50	0.036
			230.00	231.50	Q204147	1.50	0.009
			231.50	233.00	Q204148	1.50	0.008
			233.00	234.50	Q204149	1.50	0.009
			234.50	236.00	Q204152	1.50	0.018
			236.00	237.50	Q204153	1.50	0.011
			237.50	239.00	Q204154	1.50	0.009
			239.00	240.50	Q204155	1.50	0.009
			240.50	242.00	Q204156	1.50	<0.005
			242.00	243.50	Q204157	1.50	<0.005
			243.50	245.00	Q204158	1.50	<0.005
			245.00	246.50	Q204159	1.50	0.005
			246.50	248.00	Q204160	1.50	<0.005
			248.00	249.50	Q204161	1.50	<0.005
			249.50	251.00	Q204162	1.50	0.005
250.00	281.00	V4; Aph	251.00	252.50	Q204163	1.50	0.006
		Trachyte; APHANITIC	252.50	254.00	Q204164	1.50	<0.005
		Fine grained green to dark green color, intense pervasive magnetite and calcite, crosscutting by 5% whitish to pinkish calcite-feldspar veins wide 5 to 20 mm. no mineralization present.	254.00	255.50	Q204165	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			255.50	257.00	Q204166	1.50	<0.005
			257.00	258.50	Q204167	1.50	<0.005
			258.50	260.00	Q204168	1.50	<0.005
			260.00	261.50	Q204169	1.50	0.005
			261.50	263.00	Q204170	1.50	<0.005
			263.00	264.50	Q204171	1.50	<0.005
			264.50	266.00	Q204172	1.50	<0.005
265.00	268.00	Ank03; Cl01	266.00	267.50	Q204173	1.50	<0.005
		Ankerite 3; Chlorite 1	267.50	269.00	Q204174	1.50	<0.005
		In this interval the rock shows intense ankrite alteration					
268.80	392.50	Alb; Alb01; Ank03; Cl01	269.00	270.50	Q204177	1.50	0.007
		Albite; Albite 1; Ankerite 3; Chlorite 1	270.50	272.00	Q204178	1.50	<0.005
		In this interval most of the calcite overprinted by albite and ankerite.The albite is harder than calcite and	272.00	273.50	Q204179	1.50	<0.005
		do not act by Hydrochloric acid and KF.	273.50	275.00	Q204180	1.50	<0.005
			275.00	276.50	Q204181	1.50	<0.005
			276.50	278.00	Q204182	1.50	<0.005
			278.00	279.50	Q204183	1.50	<0.005
			279.50	281.00	Q204184	1.50	<0.005
281.00	364.20	V4; Tuff	281.00	282.50	Q204185	1.50	<0.005
		Trachyte; TUFF	282.50	284.00	Q204186	1.50	0.012
		The rock come back again into trachyte with tuff texture. it is fine grained green groundmass somewhere	284.00	285.50	Q204187	1.50	0.01
		contains 2-4% pumice and calcitic blebs. The foliation is variable but in general the rock well foliated @ 60-90	285.50	287.00	Q204188	1.50	<0.005
		dtca. The blebs goes in and out. The calcite locally overprinted by ankerite and K feldspar.The rock shows	287.00	288.50	Q204189	1.50	<0.005
		intense pervasive magnetic and calcite. Weakly chlorite alteration present.	288.50	290.00	Q204190	1.50	<0.005
			290.00	291.50	Q204191	1.50	<0.005
			291.50	293.00	Q204192	1.50	<0.005
			293.00	294.50	Q204193	1.50	<0.005
			294.50	296.00	Q204194	1.50	<0.005
			296.00	297.50	Q204195	1.50	<0.005
			297.50	299.00	Q204196	1.50	<0.005
			299.00	300.50	Q204197	1.50	0.005
			300.50	302.00	Q204198	1.50	0.005
			302.00	303.50	Q204199	1.50	<0.005
			303.50	305.00	Q204202	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			305.00	306.50	Q204203	1.50	0.005
			306.50	308.00	Q204204	1.50	0.006
			308.00	309.50	Q204205	1.50	0.007
			309.50	311.00	Q204206	1.50	<0.005
			311.00	312.50	Q204207	1.50	<0.005
			312.50	314.00	Q204208	1.50	<0.005
			314.00	315.50	Q204209	1.50	<0.005
			315.50	317.00	Q204210	1.50	<0.005
			317.00	318.50	Q204211	1.50	<0.005
			318.50	320.00	Q204212	1.50	<0.005
			320.00	321.50	Q204213	1.50	<0.005
			321.50	323.00	Q204214	1.50	<0.005
			323.00	324.50	Q204215	1.50	0.012
			324.50	326.00	Q204216	1.50	0.009
			326.00	327.50	Q204217	1.50	0.009
			327.50	329.00	Q204218	1.50	0.007
			329.00	330.50	Q204219	1.50	<0.005
			330.50	332.00	Q204220	1.50	<0.005
			332.00	333.50	Q204221	1.50	0.006
			333.50	335.00	Q204222	1.50	<0.005
			335.00	336.50	Q204223	1.50	<0.005
336.00	337.40	Vt;5%;;Vc;45°;Py01; **veinlet (1-5 mm) 5% vein cross-cutting foliation 45° Pyrite 1%** The interval 336-337.40 is very fine grained blackish color and soft. This interval consists a few fractures that has fill by a few calcite and pyrite veinlets.	336.50	338.00	Q204224	1.50	0.135
			338.00	339.50	Q204227	1.50	<0.005
			339.50	341.00	Q204228	1.50	<0.005
			341.00	342.50	Q204229	1.50	<0.005
			342.50	344.00	Q204230	1.50	<0.005
			344.00	345.50	Q204231	1.50	<0.005
			345.50	347.00	Q204232	1.50	<0.005
			347.00	348.50	Q204233	1.50	<0.005
			348.50	350.00	Q204234	1.50	<0.005
			350.00	351.50	Q204235	1.50	0.008
350.70	361.00	Vn;40%;;Vc;45°;; **vein (5 mm - 10 cm) 40% vein cross-cutting foliation 45°** A series of albite calcite veins wide 4-20 mm cross the rock @ 45 dtca. There is no mineralization associated with this series.	351.50	353.00	Q204236	1.50	0.007
			353.00	354.50	Q204237	1.50	<0.005
			354.50	356.00	Q204238	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			356.00	357.50	Q204239	1.50	<0.005
			357.50	359.00	Q204240	1.50	0.006
			359.00	360.50	Q204241	1.50	0.005
			360.50	362.00	Q204242	1.50	<0.005
			362.00	363.50	Q204243	1.50	<0.005
			363.50	365.00	Q204244	1.50	<0.005
364.20	367.20	V4; LapTuff	365.00	366.50	Q204245	1.50	<0.005
		Trachyte 45°; LAPILLI TUFF/AGGLOMERATE	366.50	368.00	Q204246	1.50	<0.005
		Fine grained and green ground mass contains 10-15% whitish ankretic rounded lapilli size 5-10 mm. The calcitic lapilli overprinted by ankerite in down hole. The rock shows moderate to intense magnetic. The unit shows intense to moderate pervasive dark green chloride alteration. Pyrite mineralization is trace.					
367.20	391.50	V4; Tuff	368.00	369.50	Q204247	1.50	0.006
		Trachyte; TUFF	369.50	371.00	Q204248	1.50	0.009
		The rock come back again into trachyte with tuff texture. it is fine grained green groundmass somewhere contains 2-4% pumice and calcitic blebs. The foliation is variable but in general the rock well foliated @ 60-90 dtca. The blebs goes in and out. The calcite locally overprinted by ankerite and K feldspar.The rock shows intense pervasive magnetic and calcite. Weakly chlorite alteration present.	371.00	372.50	Q204249	1.50	<0.005
			372.50	374.00	Q204252	1.50	0.006
			374.00	375.50	Q204253	1.50	0.006
			375.50	377.00	Q204254	1.50	<0.005
			377.00	378.50	Q204255	1.50	0.009
			378.50	380.00	Q204256	1.50	0.005
			380.00	381.50	Q204257	1.50	<0.005
			381.50	383.00	Q204258	1.50	<0.005
			383.00	384.50	Q204259	1.50	<0.005
			384.50	386.00	Q204260	1.50	<0.005
			386.00	387.50	Q204261	1.50	<0.005
			387.50	389.00	Q204262	1.50	<0.005
			389.00	390.50	Q204263	1.50	<0.005
			390.50	392.00	Q204264	1.50	<0.005
391.50	407.00	V4; Tuff; Vol	392.00	393.50	Q204265	1.50	0.007
		Trachyte; TUFF; VOLCANICLASTIC					
		Pal beige due to weak potasic alteration fine grained matrix contains 10-15% rounded and irregular clasts with variable size and color?. This interval is not calcitic it consists intense pervasive magnetite and ankerite. Weak to moderate foliation @ 60-90 dtca present. There is no mineralization inside rock.					
392.50	407.00	K; Cl01; Ank02	393.50	395.00	Q204266	1.50	0.009
		Potassic; Chlorite 1; Ankerite 2	395.00	396.50	Q204267	1.50	0.006
		From 392 to the end of the hole the texture of the rock has become more litic and matrix shows weakly pervasive alteration	396.50	398.00	Q204268	1.50	0.01
			398.00	399.50	Q204269	1.50	0.007

Description	Assay				
	From	To	Sample number	Length	AuBest
	399.50	401.00	Q204270	1.50	0.008
	401.00	402.50	Q204271	1.50	0.005
	402.50	404.00	Q204272	1.50	0.005
	404.00	405.50	Q204273	1.50	0.01
	405.50	407.58	Q204274	2.08	0.009
407.58	**End of DDH**				
	Number of samples: 253				
	Number of QAQC samples: 23				
	Total sampled length: 380.58				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_57

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	Mike Laliberty/ Re-log by Reza	Township:	LEBEL	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	15/03/2014	Description date:	27/03/2014
		To:	21/03/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 510.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,576.988
North	0.0	0.000	5,331,643.346
Elevation	0.0	0.000	343.702

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	15.00	183.3°	-50.5°	Yes	Mag = 57304
ReflexEZS	75.00	176.9°	-51.5°	No	Mag = 56486
ReflexEZS	135.00	179.3°	-51.3°	No	Mag = 56553
ReflexEZS	195.00	182.0°	-51.3°	No	Mag = 56491
ReflexEZS	255.00	180.3°	-51.3°	No	Mag = 56049
ReflexEZS	315.00	183.2°	-49.7°	No	Mag = 56100
ReflexEZS	375.00	185.6°	-48.1°	No	Mag = 55954
ReflexEZS	435.00	186.6°	-46.3°	No	Mag = 54741
ReflexEZS	495.00	189.6°	-44.3°	No	Mag = 54859

Description

Re-log By Reza Hosseinnejad

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	2.75	OVB; Undie **Overburden; UNDEFINED** Overbueden					
2.75	120.30	V4; LapTuff; Pyro **Trachyte; LAPILLI TUFF/AGGLOMERATE; PYROCLASTIC** After 3 meter casing the hole begins in a mixed unit of agglomerate or lapilli tuff with pyroclastic tecture and flow. The tuffeseous part is fine to medium grained that contains 10-15% pyro clasts,fragmental and lapilli blebs. The shape and size of clasts is variable from well rounded to very irregular. The texture predominantly changes from tuff to flow. There is lot of pumice in the tuff that shows secondary filling by other minerals. The rock is non to very weak magnetic, weak to non calcitic and non to weak partly ankretic. The foliation is weak to non(Intermittent weak) @40 dtca. Ankretic alteration is very weak up hole but becomes intense around 30m. Chloride alteration is patchy to pervasive and weak to moderate.In fact this unit is formed by different size of pyroclastic from largest agglomerate to fine grained ash. Generally trace veining with occasional white quartz veins. In the interval (41.94-42.72m) a white quartz vein crosscut the rock there is a splash of chalcopyrite, pyrite and molly inside this vein. Sulphides mineralization is trace. From 105.80 -120.3 the amount of clasts decreased to less than 5% but still there is some pumice and the color change to light green due to more sericite alteration. This part of unit shows weak to moderate pervasive ankeritic alteration. Weak pervasive chloritic ans seresitic alteration. No changes in magnetic, and mineralization.	2.75	4.50	Q287097	1.75	0.012
			4.50	6.00	Q287098	1.50	0.008
			6.00	7.50	Q287099	1.50	0.009
			7.50	9.00	Q287102	1.50	0.025
			9.00	10.50	Q287103	1.50	0.013
			10.50	12.00	Q287104	1.50	<0.005
			12.00	13.50	Q287105	1.50	0.008
			13.50	15.00	Q287106	1.50	0.011
			15.00	16.50	Q287107	1.50	0.011
			16.50	18.00	Q287108	1.50	0.013
			18.00	19.50	Q287109	1.50	0.034
			19.50	21.00	Q287110	1.50	0.012
			21.00	22.50	Q287111	1.50	0.01
			22.50	24.00	Q287112	1.50	0.013
			24.00	25.50	Q287113	1.50	0.028
			25.50	27.00	Q287114	1.50	0.012
			27.00	28.50	Q287115	1.50	0.01
			28.50	30.00	Q287116	1.50	0.01
29.00	72.00	Ank01; Cl02 **Ankerite 1; Chlorite 2** Ankretic alteration is very weak up hole but becomes intense around 30m. Chloride alteration is patchy to pervasive and weak to moderate.	30.00	31.50	Q287117	1.50	<0.005
			31.50	33.00	Q287118	1.50	0.007
			33.00	34.50	Q287119	1.50	0.008
			34.50	36.00	Q287120	1.50	0.011
			36.00	37.50	Q287121	1.50	0.008
			37.50	39.00	Q287122	1.50	0.007
			39.00	40.50	Q287123	1.50	<0.005
			40.50	42.00	Q287124	1.50	<0.005
41.94	42.72	Vm;95%;;;45°;; **major vein (10 cm or greater) 95% 45°** In the interval (41.94-42.72m) a massive white quartz vein crosscut the rockt there is a splash of chlcopyrite, pyrite, moly and chloride inside this vein.	42.00	43.50	Q287127	1.50	0.008
			43.50	45.00	Q287128	1.50	0.008
			45.00	46.50	Q287129	1.50	0.007
			46.50	48.00	Q287130	1.50	0.008
			48.00	49.50	Q287131	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
			49.50	51.00	Q287132	1.50	0.007
			51.00	52.50	Q287133	1.50	0.007
			52.50	54.00	Q287134	1.50	0.006
			54.00	55.50	Q287135	1.50	0.007
			55.50	57.00	Q287136	1.50	0.005
			57.00	58.50	Q287137	1.50	<0.005
			58.50	60.00	Q287138	1.50	<0.005
			60.00	61.50	Q287139	1.50	<0.005
			61.50	63.00	Q287140	1.50	0.005
			63.00	64.50	Q287141	1.50	0.005
			64.50	66.00	Q287142	1.50	0.006
			66.00	67.50	Q287143	1.50	0.005
			67.50	69.00	Q287144	1.50	<0.005
			69.00	70.50	Q287145	1.50	<0.005
			70.50	72.00	Q287146	1.50	<0.005
			72.00	73.50	Q287147	1.50	<0.005
72.30	72.80	Vm;95%;Qtz;;40°;;	73.50	75.00	Q287148	1.50	0.011
		major vein (10 cm or greater) 95% white quartz 40°	75.00	76.50	Q287149	1.50	0.032
		A massive white quartz vein wide 50 cm crosscut the rock at 40 dtca. The vein contains a few patches	76.50	78.00	Q287152	1.50	0.027
		chloride. There is no mineralization associated with vein.	78.00	79.50	Q287153	1.50	0.033
			79.50	81.00	Q287154	1.50	0.046
			81.00	82.50	Q287155	1.50	0.024
			82.50	84.00	Q287156	1.50	0.019
			84.00	85.50	Q287157	1.50	0.01
			85.50	87.00	Q287158	1.50	0.009
			87.00	88.50	Q287159	1.50	0.008
			88.50	90.00	Q287160	1.50	0.007
			90.00	91.50	Q287161	1.50	0.01
			91.50	93.00	Q287162	1.50	0.01
			93.00	94.50	Q287163	1.50	0.009
			94.50	96.00	Q287164	1.50	0.007
			96.00	97.50	Q287165	1.50	0.017
97.00	98.50	Py00.5	97.50	99.00	Q287166	1.50	0.05
		Pyrite 0.5%	99.00	100.50	Q287167	1.50	0.055
		0.5% fine grained pyrite disseminated.					

Description			Assay				
			From	To	Sample number	Length	AuBest
99.80	110.00	K01	100.50	102.00	Q287168	1.50	0.05
		Potassic 1	102.00	103.50	Q287169	1.50	0.08
		Weak potssic alteration has changed the green color in to the beige to pal creamy.	103.50	105.00	Q287170	1.50	0.04
			105.00	106.50	Q287171	1.50	0.031
			106.50	108.00	Q287172	1.50	<0.005
			108.00	109.50	Q287173	1.50	<0.005
			109.50	111.00	Q287174	1.50	<0.005
			111.00	112.50	Q287177	1.50	<0.005
			112.50	114.00	Q287178	1.50	<0.005
			114.00	115.50	Q287179	1.50	<0.005
			115.50	117.00	Q287180	1.50	<0.005
			117.00	118.50	Q287181	1.50	<0.005
			118.50	120.00	Q287182	1.50	<0.005
			120.00	121.50	Q287183	1.50	<0.005
120.30	220.15	V4vcic; Vol; Cry					
		trachytic volcaniclastic; VOLCANICLASTIC; CRYSTALRICH					
		Brick red color trachyte due to intense pervasive potassic altration with fine grained groundmass. Strong potassic alteration (goes in and out) quite often masks the phenos. Somewhere the texture show strongly volcano clasts and somewhere fade. The clasts are variable in size and color. there is no pumice in this interval.					
		Locally the unit contains flow with crystal reach texture and somewhere porphyritic texture. It seems the unit is mixture of different flow.					
		There is also weak pervasive ankerite, wispy sericitic alteration and a patchy chloritic alteration.					
		Four hydrothermal veins crosscut the unit at 122.07-122.34 150.2-150.4, 152.6-153.10 and 157.75-159.35 . The quartz vein is whitish and massive that contains 4-5% crashed host rock. The veins weakly mineralized by a few splash of chalchopyrite and shainy grey minerale look like galena. it is harder that can be moly.					
		Up to 5% qartz/ankerite/chlorite veining.					
		The unit is non magnetic. Generally trace pyrite but locally up to 2% disseminated and in localized veinlets (132.5-133m) associated with greenish chloritized intervals.					
		Brecciated quatz veins up to 1.6m wide from 143.5-159.4m.					
		Ankerite/porcelinic qtz veins up to 1.8m wide are common from 193.5-204.7m with trace galena or moly(?).					
120.30	220.50	K03					
		Potassic 3					
		The color is red brick. Intense pervasive potassic alteration. Non magnetic, no mineralization.					
120.75	134.00	Vt;5%;Qtz Qtz Qak;;35°;Py00.1;	121.50	123.00	Q287184	1.50	0.006
		veinlet (1-5 mm) 5% white quartz white quartz quartz-ankerite 35° Pyrite 0.1%	123.00	124.50	Q287185	1.50	0.022
		A series of quartz and quartz-ankerite veinlets crosscut the rock at variable orientation with the average of " 35 dtca. No obvious mineralization associated with these veinlets.	124.50	126.00	Q287186	1.50	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
			126.00	127.50	Q287187	1.50	0.042
127.00	132.50	Py01	127.50	129.00	Q287188	1.50	0.037
		Pyrite 1%	129.00	130.50	Q287189	1.50	0.034
		In this interval 0.5% fine grained pyrite disseminated present.	130.50	132.00	Q287190	1.50	0.031
			132.00	133.50	Q287191	1.50	0.105
132.50	133.00	Py02	133.50	135.00	Q287192	1.50	0.016
		Pyrite 2%	135.00	136.50	Q287193	1.50	0.012
		In this interval there is a pyrite vein with 2% pyrite as well as 0.5% disseminated.	136.50	138.00	Q287194	1.50	0.011
			138.00	139.50	Q287195	1.50	0.008
			139.50	141.00	Q287196	1.50	<0.005
			141.00	142.50	Q287197	1.50	<0.005
			142.50	144.00	Q287198	1.50	0.019
			144.00	145.50	Q287199	1.50	0.005
			145.50	147.00	Q287202	1.50	<0.005
			147.00	148.50	Q287203	1.50	<0.005
			148.50	150.00	Q287204	1.50	<0.005
			150.00	151.50	Q287205	1.50	<0.005
			151.50	153.00	Q287206	1.50	0.005
			153.00	154.50	Q287207	1.50	<0.005
			154.50	156.00	Q287208	1.50	0.009
			156.00	157.75	Q287209	1.75	0.013
			157.75	159.35	Q287210	1.60	<0.005
			159.35	160.50	Q287211	1.15	0.006
			160.50	162.00	Q287212	1.50	<0.005
			162.00	163.50	Q287213	1.50	0.005
			163.50	165.00	Q287214	1.50	<0.005
			165.00	166.50	Q287215	1.50	0.013
			166.50	168.00	Q287216	1.50	0.008
			168.00	169.50	Q287217	1.50	<0.005
			169.50	171.00	Q287218	1.50	<0.005
			171.00	172.50	Q287219	1.50	<0.005
			172.50	174.00	Q287220	1.50	0.019
			174.00	175.50	Q287221	1.50	<0.005
			175.50	177.00	Q287222	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			177.00	178.50	Q287223	1.50	<0.005
			178.50	180.00	Q287224	1.50	<0.005
			180.00	181.50	Q287227	1.50	<0.005
			181.50	183.00	Q287228	1.50	<0.005
			183.00	184.50	Q287229	1.50	<0.005
			184.50	186.00	Q287230	1.50	0.005
			186.00	187.50	Q287231	1.50	<0.005
			187.50	189.00	Q287232	1.50	0.006
			189.00	190.50	Q287233	1.50	<0.005
			190.50	192.00	Q287234	1.50	<0.005
			192.00	193.50	Q287235	1.50	<0.005
193.50	194.10	Vm;40%;;;45°;Py00.1;	193.50	195.00	Q287236	1.50	<0.005
		major vein (10 cm or greater) 40% 45° Pyrite 0.1%	195.00	196.50	Q287237	1.50	0.008
		A massive ankerite quartz vein cut the rock @45 dtca. There is some crashed rock inside the veins.	196.50	198.00	Q287238	1.50	0.007
		Pyrite disseminated is trace.	198.00	199.00	Q287239	1.00	0.007
198.50	204.40	Vm;35%;Ak Qac;;50°;;	199.00	200.00	Q287240	1.00	0.005
		major vein (10 cm or greater) 35% ankerite quartz-ankerite-chlorite 50°	200.00	201.00	Q287241	1.00	<0.005
		A series of massive ankerite-quartz veins crosscut the rock @40-45 dtca. There is some crashed rock	201.00	202.00	Q287242	1.00	<0.005
		and chloride inside the veins. There is no mineralization associated with these veins.					
202.00	204.00	Py00.5	202.00	202.50	Q287243	0.50	0.026
		Pyrite 0.5%	202.50	204.00	Q287244	1.50	0.021
		In this interval 0.5% disseminated fine grain pyrite present.	204.00	205.50	Q287245	1.50	0.014
			205.50	207.00	Q287246	1.50	0.018
			207.00	208.50	Q287247	1.50	0.014
			208.50	210.00	Q287248	1.50	0.006
			210.00	211.50	Q287249	1.50	0.005
			211.50	213.00	Q287252	1.50	<0.005
			213.00	214.50	Q287253	1.50	0.005
			214.50	216.00	Q287254	1.50	<0.005
			216.00	217.50	Q287255	1.50	<0.005
			217.50	219.00	Q287256	1.50	<0.005
			219.00	220.50	Q287257	1.50	0.01
220.15	230.15	V4Ta; PyroTuff					
		Trachytic tuff altered; PYROCLASTIC (TUFFACEOUS)					
		The hole gradationally goes back into pyroclastic trachyte tuff. Fine grained green color groundmass contains					

Description			Assay				
			From	To	Sample number	Length	AuBest
		reddish altered pyroclasts contains pumice. The narrow unit moderately sericitized, and it is non magnetic, non calcitic and very weak ankretic. The sericite elongated on the plan of foliation @65 dtca.General foliation is weak. Mineralization is trace. The unite predominantly shows intense to weak potassic alteration. Somewhere the rock color is red brick due to intense of alteration. Quartz-ankerite veins wide 1-4mm cut the rock at variable orientation up to 4%.					
220.50	232.50	Se03; Cl01; K01 **Sericite 3; Chlorite 1; Potassic 1** The sericite and cholride elongated on the plan of foliation @65 dtca. The unite predominantly shows weak potassic alteration.	220.50	222.00	Q287258	1.50	<0.005
			222.00	223.50	Q287259	1.50	<0.005
			223.50	225.00	Q287260	1.50	<0.005
			225.00	226.50	Q287261	1.50	<0.005
			226.50	228.00	Q287262	1.50	<0.005
			228.00	229.50	Q287263	1.50	<0.005
			229.50	231.00	Q287264	1.50	<0.005
230.15	282.25	V4; Cry **Trachyte; CRYSTALRICH** After a narrow tuff unit the hole goes back to the same above unit This is a brick red color trachyte due to intense pervasive potassic altration with fine grained groundmass. Strong potassic alteration quite often masks the phenos. Somewhere the texture show strongly volcano clasts and somewhere fade. The clasts are variable in size and color. there is no pumice in this interval. Locally the unit contains flow with crystal reach texture and somewhere porphyritic texture. It seems the unit is mixture of different flow. Specularite stringers and veinlets wide 1-3 mm cross the unit @average 45 dtca.	231.00	232.50	Q287265	1.50	<0.005
232.00	261.50	Vt;5%;Qac;;40°;Hem00.3; **veinlet (1-5 mm) 5% quartz-ankerite-chlorite 40° SPECULARITE 0.3%** A series of quartz ankerite with minor chloride cut the rock at average 45dtca. Some of these veins contain a splash of chalcopyrite such as a vein located at 239-239.03.					
232.50	282.25	K03 **Potassic 3** Intense potassic alteration almost change color to red brick.	232.50	234.00	Q287266	1.50	<0.005
			234.00	235.50	Q287267	1.50	0.009
234.50	235.50	Py00.5 **Pyrite 0.5%** Fine grained disseminated up to 0.5%					
235.50	244.00	Py00.5 **Pyrite 0.5%** Fine grained disseminated pyrite up 0.5%.	235.50	237.00	Q287268	1.50	<0.005
			237.00	238.50	Q287269	1.50	<0.005
			238.50	240.00	Q287270	1.50	<0.005
			240.00	241.50	Q287271	1.50	0.013
			241.50	243.00	Q287272	1.50	0.067

Description			Assay				
			From	To	Sample number	Length	AuBest
			243.00	244.50	Q287273	1.50	0.063
244.00	247.50	Py00.5	244.50	246.00	Q287274	1.50	0.042
		Pyrite 0.5%	246.00	247.50	Q287277	1.50	<0.005
		fine grained pyrite disseminated up to0.5					
247.50	251.50	Py00.5	247.50	249.00	Q287278	1.50	<0.005
		Pyrite 0.5%	249.00	250.50	Q287279	1.50	<0.005
		PYRITE 0.5 DISSEMINATED	250.50	252.00	Q287280	1.50	0.076
			252.00	253.50	Q287281	1.50	0.017
252.50	253.20	Py01	253.50	255.00	Q287282	1.50	<0.005
		Pyrite 1%	255.00	256.50	Q287283	1.50	0.012
		Fine grained disseminated pyrite up 2%.	256.50	258.00	Q287284	1.50	0.007
			258.00	259.50	Q287285	1.50	<0.005
			259.50	261.00	Q287286	1.50	<0.005
			261.00	262.50	Q287287	1.50	<0.005
262.50	271.50	Py00.5; Py00.5	262.50	264.00	Q287288	1.50	0.015
		Pyrite 0.5%; Pyrite 0.5%	264.00	265.50	Q287289	1.50	0.009
		Fine grained disseminated pyrite up 0.5%.	265.50	267.00	Q287290	1.50	0.044
			267.00	268.50	Q287291	1.50	0.02
			268.50	270.00	Q287292	1.50	0.034
			270.00	271.50	Q287293	1.50	0.018
			271.50	273.00	Q287294	1.50	0.044
			273.00	274.50	Q287295	1.50	0.012
			274.50	276.00	Q287296	1.50	0.01
			276.00	277.50	Q287297	1.50	0.022
			277.50	279.00	Q287298	1.50	0.009
			279.00	280.50	Q287299	1.50	0.007
280.30	282.00	Py00.5	280.50	282.00	Q287302	1.50	0.008
		Pyrite 0.5%	282.00	283.50	Q287303	1.50	<0.005
		280.30 282.00 PYRITE 0.5% DISSEMINATED					
282.25	345.80	V4; Vol	283.50	285.00	Q287304	1.50	<0.005
		Trachyte; VOLCANICLASTIC	285.00	286.50	Q287305	1.50	<0.005
		With a clear contact the holes come back into volcano clasts unit again. This interval contains a narrow unit of upper rock (292.9-295.25).	286.50	288.00	Q287306	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Medium reddish-grey color that has been altered. Angular to subangular clasts in a partially recrystalized fine grained groundmass with occasional rafts of unaltered/weakly altered chrystal reach part . Weak pervasive ankerite, weak patchy chloritic, moderate patchy potassic and minor sericitic alteration. Core is hard to scratch by knif - possible minor silicification. This unit is non magnetic with generally trace sulphides. There is less than 1% quartz veining with secondary chlorite and minor ankerite. Minor specularite stringers. From 325 the rock becomes more crystal rich and less volcano clastsic.	288.00	289.50	Q287307	1.50	0.019
			289.50	291.00	Q287308	1.50	0.03
			291.00	292.50	Q287309	1.50	0.038
			292.50	294.00	Q287310	1.50	0.005
282.25	293.75	K02 **Potassic 2** Pervasive moderate potassic alteration has changed the clasts to red and pinkish but he matrix color is grey greenish. The texure is volcanoclasts and somewhere litic.					
293.50	294.30	Py00.5 **Pyrite 0.5%** 293.50 294.30 PYRITE 0.5% DISSEMINATED					
293.75	295.50	K03 **Potassic 3** Intense pervasive potassic alteration has changed the clasts and matrix to red and pinkish.	294.00	295.50	Q287311	1.50	0.022
294.30	295.30	Py02 **Pyrite 2%** Fine grained dissiminated pyrite up to 2%.					
295.50	348.00	K03 **Potassic 3** Intense pervasive alteration changed the color of rock to red and pinkish.	295.50	297.00	Q287312	1.50	<0.005
			297.00	298.50	Q287313	1.50	0.014
			298.50	300.00	Q287314	1.50	<0.005
			300.00	301.50	Q287315	1.50	0.008
			301.50	303.00	Q287316	1.50	<0.005
			303.00	304.50	Q287317	1.50	<0.005
			304.50	306.00	Q287318	1.50	<0.005
			306.00	307.50	Q287319	1.50	0.006
			307.50	309.00	Q287320	1.50	0.007
			309.00	310.50	Q287321	1.50	<0.005
			310.50	312.00	Q287322	1.50	0.009
			312.00	313.50	Q287323	1.50	<0.005
			313.50	315.00	Q287324	1.50	<0.005
			315.00	316.50	Q287327	1.50	<0.005
			316.50	318.00	Q287328	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			318.00	319.50	Q287329	1.50	0.023
			319.50	321.00	Q287330	1.50	0.029
			321.00	322.50	Q287331	1.50	0.006
			322.50	324.00	Q287332	1.50	0.014
			324.00	325.50	Q287333	1.50	0.027
			325.50	327.00	Q287334	1.50	0.008
			327.00	328.50	Q287335	1.50	0.008
328.50	330.70	Py00.5	328.50	330.00	Q287336	1.50	0.037
		Pyrite 0.5%	330.00	331.50	Q287337	1.50	0.034
		a very narrow pyrite vein parallel to foliation	331.50	333.00	Q287338	1.50	0.025
			333.00	334.50	Q287339	1.50	0.03
			334.50	336.00	Q287340	1.50	0.011
			336.00	337.50	Q287341	1.50	0.011
			337.50	339.00	Q287342	1.50	<0.005
			339.00	340.50	Q287343	1.50	<0.005
			340.50	342.00	Q287344	1.50	0.005
			342.00	343.50	Q287345	1.50	0.449
			343.50	345.00	Q287346	1.50	0.034
			345.00	346.50	Q287347	1.50	0.031
345.80	373.50	V4; Cry					
		Trachyte; CRYSTALRICH					
		Pinkish to brick red color glassy groundmass trachyte contains 10-15% grey to whitish rounded phenoes with intense pervasive potassic alteration.					
		The texture of this interval called crystal rich and it is very similar to porphyry texture. The difference is that in this rock the ground mass is glassy and the size of crystal almost the same.					
		This unit is non ankretic, weak to moderate vein/fracture fill chloride. This interval is non magnetic and non calcitic.					
		Generally trace pyrite but locally reaches up to 3%.					
		The mineralization almost associated with short intervals of grey quartz/ankerite stringers that contain some splash of chalcopyrite.					
		This unit contains 5% quartz-ankerite and minor chlorite veining at variable orientation.					
346.00	348.00	Py00.5	346.50	348.00	Q287348	1.50	0.059
		Pyrite 0.5%	348.00	349.50	Q287349	1.50	0.01
		346.00 348.00 PYRITE 0.5 DISSEMINATED	349.50	351.00	Q287352	1.50	0.051
350.00	373.40	K02; Cl02	351.00	352.50	Q287353	1.50	0.022

Description			Assay				
			From	To	Sample number	Length	AuBest
		Potassic 2; Chlorite 2	352.50	354.00	Q287354	1.50	0.007
		Intense pervasive potassic alteration. Non ankretic, weak to moderate vein/fracture fill chlorite.	354.00	355.50	Q287355	1.50	0.065
			355.50	357.00	Q287356	1.50	0.027
356.00	360.00	Py00.5	357.00	358.50	Q287357	1.50	0.012
		Pyrite 0.5%	358.50	360.00	Q287358	1.50	0.022
		356.00 360.00 PYRITE 0.5 DISSEMINATED	360.00	361.50	Q287359	1.50	0.358
			361.50	363.00	Q287360	1.50	0.02
			363.00	364.50	Q287361	1.50	0.045
			364.50	366.00	Q287362	1.50	0.02
			366.00	367.50	Q287363	1.50	0.181
367.50	367.80	Cp02	367.50	369.00	Q287364	1.50	0.042
		Chalcopyrite 2%	369.00	370.50	Q287365	1.50	0.02
		A quartz-ankerite vein with 2% splash of chalcopyrite.	370.50	372.00	Q287366	1.50	0.026
			372.00	373.40	Q287367	1.40	0.022
372.20	372.50	Py02					
		Pyrite 2%					
		372.20 372.50 PYRITE 2.0 DISSEMINATED					
373.40	389.45	Ank02; Cl02; K02; Si01; Se01	373.40	375.00	Q287368	1.60	0.015
		Ankerite 2; Chlorite 2; Potassic 2; Silica 1; Sericite 1					
		Weak pervasive ankerite, weak patchy chloride, moderate patchy potassic feldspar and minor sericite alteration.					
		possible minor silicification.					
373.50	389.40	V4; Bx					
		Trachyte; Brecciated					
		With sharp upper contact @ 50 dtca the hole goes in the dark grey/black fine grained trachyte flows with intervals of volcaniclastic breccias. Angular to sub angular clasts in a partially fine grained groundmass that occasionally show unaltered/weakly altered. Weak pervasive ankerite, weak patchy chloride, moderate patchy potassic feldspar and minor sericite alteration.					
		Core is hard to scratch - possible minor silicification.					
		The unit strongly magnetic non calcitic. Mineralization is trace but in the veins increase to locally 3% (380.35-381.0m).					
		More than 7% quartz-ankerite veins and veinlet with variable wide and orientation cross the unit.					
		Further down this interval (388.5-389.45m) brecciated ankerite/quartz/chlorite veining contains up to 10% chalcopyrite. 373.95-374.30m.					
		There are a few secondary chlorite and minor ankerite veinlets. Minor specularite stringers present.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		The lower contact is irregular and contains a large splash of chalcopyrite.					
373.85	374.40	Py01 **Pyrite 1%** 373.85 374.40 PYRITE 1.0 DISSEMINATED	375.00 376.50 378.00	376.50 378.00 379.50	Q287369 Q287370 Q287371	1.50 1.50 1.50	<0.005 0.016 0.114
379.00	380.50	Py00.5 **Pyrite 0.5%** 379.00 380.50 PYRITE 0.5 DISSEMINATED	379.50	381.00	Q287372	1.50	0.063
380.50	381.00	Py03 **Pyrite 3%** This interval highly mineralized by fine grained disseminated pyrite up to 3%.	381.00 382.50 384.00	382.50 384.00 385.50	Q287373 Q287374 Q287377	1.50 1.50 1.50	0.034 0.042 0.057
385.50	388.70	Py00.5 **Pyrite 0.5%** 385.50 389.45 In this interval there is 0.5% disseminated pyrite and average 2% chalcopyri	385.50 387.00 388.50	387.00 388.50 390.00	Q287378 Q287379 Q287380	1.50 1.50 1.50	0.077 0.332 0.054
388.70	388.80	Cp10; Py00.5 **Chalcopyrite 10%; Pyrite 0.5%** A quartz ankerite vein contains 10% splash of chalcopyrite.					
388.80	388.90	Cp05 **Chalcopyrite 5%** A quartz ankerite vein contains 5% splash of chalcopyrite.					
389.00	389.20	Cp08; Py00.5 **Chalcopyrite 8%; Pyrite 0.5%** A quartz ankerite vein cross the core and contains 8% chalcopyrite.					
389.37	389.45	Cp10; Py00.5 **Chalcopyrite 10%; Pyrite 0.5%** Up to 10.0% chalcopyrite splash inside quartz ankerite vein					
389.40	412.00	V4; Cry **Trachyte; CRYSTALRICH** irregular sharp veining contact, Pinkish to red brick crystal rich trachyte with fine grained glassy groundmass					

Description			Assay				
			From	To	Sample number	Length	AuBest
		contains 10-15% whitish-grey rounded phenoes. The rock shows weak to strong selective potassic, moderate pervasive ankeritic alteration. It contains vein/fracture fill chlorite and weak sericite alteration too. The rock is not magnetic. Generally trace pyrite but locally up to 3% associated with short intervals of grey quartz and ankerite stringers. The unit crosscut by 5% of quartz-ankerite with minor chlorite veins and veinlet at various angles. Silica altered intervals begin to appear down hole.					
389.45	408.40	K03; Ank02 **Potassic 3; Ankerite 2** The rock shows weak to strong selective potassic, moderate pervasive ankeritic Alteration. It contains vein/fracture fill chloride and weak sericite alteration too.	390.00	391.50	Q287381	1.50	0.016
			391.50	393.00	Q287382	1.50	0.053
392.50	399.00	Py00.5 **Pyrite 0.5%** 392.50 399.00 PYRITE 0.5 VEIN	393.00	394.50	Q287383	1.50	0.047
			394.50	396.00	Q287384	1.50	<0.005
			396.00	397.50	Q287385	1.50	0.006
			397.50	399.00	Q287386	1.50	0.008
			399.00	400.50	Q287387	1.50	0.008
400.00	510.00	Py01.5 **Pyrite 1.5%** From 400 to the end of the hole the rock mineralized b y fine grained disseminated pyrite renging 0.5 to 2 % 400.00 405.80 PYRITE 0.5 DISSEMINATED 405.80 421.25 PYRITE 2.0 DISSEMINATED 421.25 432.70 PYRITE 1.0 DISSEMINATED 437.40 440.70 PYRITE 1.0 DISSEMINATED 443.00 448.20 PYRITE 1.0 DISSEMINATED 448.20 448.50 PYRITE 2.0 DISSEMINATED 448.50 455.50 PYRITE 1.0 DISSEMINATED 465.00 466.50 PYRITE 0.5 DISSEMINATED 466.50 468.70 PYRITE 1.0 DISSEMINATED 471.00 471.60 PYRITE 2.0 DISSEMINATED 474.00 475.00 PYRITE 1.0 DISSEMINATED 480.50 481.50 PYRITE 1.0 DISSEMINATED 486.53 498.55 PYRITE 2.0 DISSEMINATED 498.55 500.70 PYRITE 1.0 DISSEMINATED 509.30 510.00 PYRITE 2.0 DISSEMINATED	400.50	402.00	Q287388	1.50	0.013
			402.00	403.50	Q287389	1.50	0.052
			403.50	405.00	Q287390	1.50	0.028
			405.00	406.50	Q287391	1.50	0.1
			406.50	408.00	Q287392	1.50	0.02
400.00	408.00	Vn;15%;Qak;Vc;;; **vein (5 mm - 10 cm) 15% quartz-ankerite vein cross-cutting foliation**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		A massive quartz-ankerite vein crosscuting the rock at 80 dtca.					
408.00	426.00	Vn;5%;Qak;Vx;;Py00.4;	408.00	409.00	Q287393	1.00	0.081
		vein (5 mm - 10 cm) 5% quartz-ankerite vein unknown to foliation Pyrite 0.4%					
		400.00 440.00 ANKERITE QUARTZ OBLIQUE SMALL VEIN WEAK					
408.45	421.00	K01; Si01; Ank02	409.00	410.00	Q287394	1.00	0.119
		Potassic 1; Silica 1; Ankerite 2	410.00	411.00	Q287395	1.00	0.053
		A moderate pervasive ankretic alteration and weak pervasive silica alteration and weak selective potassic alteration	411.00	412.00	Q287396	1.00	0.029
412.00	421.25	V4; Bx	412.00	413.00	Q287397	1.00	0.007
		Trachyte; Brecciated	413.00	414.00	Q287398	1.00	<0.005
		A sharp change in color and texture marks the begging of this unit.	414.00	414.75	Q287399	0.75	<0.005
		Reddish-beige to medium grey hydrothermally brecciated trachyte. The color changes due to alteration and it's intensity.	414.75	416.00	Q287402	1.25	0.012
		The interval has a stockwork like appearance. A network of quartz ankerite veinlet up to 12% cut the core at the variable orientation.	416.00	417.00	Q287403	1.00	0.069
			417.00	418.00	Q287404	1.00	0.129
		A moderate pervasive ankretic alteration remains but a weak to moderate pervasive silica alteration overprints.	418.00	419.00	Q287405	1.00	0.176
		The unit is non magnetic and is mineralized with up to 2% fine grained disseminated pyrite.	419.00	420.00	Q287406	1.00	0.199
		Higher pyrite values are associated with stronger silicification	420.00	421.25	Q287407	1.25	0.195
421.00	455.00	Ank02; Si02; Cl01					
		Ankerite 2; Silica 2; Chlorite 1					
		There is moderate pervasive ankerite, predominantly weak to intense(selective) silicification, overprinting and minor flooding.					
		Silicification varies from veining and fracture fill to intervals of medium grey chert. Weak pervasive dark green chlorite alteration.					
421.25	436.20	V4; Phan	421.25	423.00	Q287408	1.75	0.036
		Trachyte; PHANERITIC	423.00	424.50	Q287409	1.50	<0.005
		Shap contact @45 shows the beggining of this unit. It is dark grey fine grained trachyte flow with intervals of polymictic breccia, and possiblylapilli tuff that occasionally altered and overprinted.	424.50	426.00	Q287410	1.50	0.007
426.00	426.50	Vn;15%;;;;Py00.5 PbS Bor Cp;	426.00	427.50	Q287411	1.50	0.007
		vein (5 mm - 10 cm) 15% Pyrite 0.5% Galena Bornite Chalcopyrite	427.50	429.00	Q287412	1.50	0.038
		A hydrothermal veins parallel to core axes contains visible fine grained mineral such as pyrite ,galena, bornite.	429.00	430.50	Q287413	1.50	0.02
			430.50	431.65	Q287414	1.15	0.031
			431.65	432.70	Q287415	1.05	0.074
			432.70	433.70	Q287416	1.00	0.097
			433.70	435.00	Q287417	1.30	0.043
			435.00	436.50	Q287418	1.50	0.129

Description			Assay				
			From	To	Sample number	Length	AuBest
436.20	455.90	V4; Bx **Trachyte; Brecciated** Creamy beigeish and reddish fine grained trachyte flow with intervals of breccias, and possibly lapilli tuff that have been highly altered and overprinted. There is no clear texture. The rock contains splash and patchy whitish ankerite in the size of agglomerate. There is moderate pervasive ankerite, predominantly weak to intense silicification, overprinting and minor flooding. Magnetic varies from strong up hole to non magnetic in intervals of strong silicification. Silicification varies from veining and fracture fill to intervals of medium grey chert to an off white chalcedony and minor areas of quartz replacement/flooding as well as milky grey quartz/carbonate alteration. Mineralization varies from trace in tuffaceous intervals to 2-3% fine disseminated pyrte in the cherty intervals.	436.50	438.00	Q287419	1.50	0.044
			438.00	439.50	Q287420	1.50	0.024
			439.50	440.70	Q287421	1.20	0.079
			440.70	441.80	Q287422	1.10	0.017
			441.80	442.80	Q287423	1.00	0.013
			442.80	443.80	Q287424	1.00	0.133
			443.80	445.00	Q287427	1.20	0.062
			445.00	446.20	Q287428	1.20	0.043
			446.20	447.25	Q287429	1.05	0.064
			447.25	448.20	Q287430	0.95	0.039
			448.20	448.50	Q287431	0.30	0.023
			448.50	450.00	Q287432	1.50	0.053
			450.00	451.00	Q287433	1.00	0.064
			451.00	452.00	Q287434	1.00	0.075
			452.00	453.00	Q287435	1.00	0.072
			453.00	453.85	Q287436	0.85	<0.005
			453.85	454.50	Q287437	0.65	0.012
			454.50	455.50	Q287438	1.00	0.01
455.00	498.55	Se01; Cl02; Ank02; K02 **Sericite 1; Chlorite 2; Ankerite 2; Potassic 2** moderate and intense pervasive ankerite, moderate selective sericite, weak to moderate chloride alteration from 486.50 the rock shows moderate pervasive potassic alteration.	455.50	455.90	Q287439	0.40	0.008
455.90	486.50	V4; Phan **Trachyte; PHANERITIC** Whit sharp contact at 50 dtca the hole goes into dark grey to greenish-grey trachyte flow. The groundmass is fine grained and shows moderate pervasive ankerite, moderate patchy sericite, weak to moderate chloride alteration .A weak vein controlled potassic alterations present. The rock is moderately magnetic. Ankerite quartz veins and veins cross cuing the rock up 2%. These veinlets run almost perpendicular to core axis. Red potassic stringers and veinlets are common with several of them containing pyrite. Mineralization is generally traced but locally it increase up to 1%. The mineralization associated with the red potassic veinlets and chlorite alteration.	455.90	457.50	Q287440	1.60	0.127
			457.50	459.00	Q287441	1.50	0.143
			459.00	460.50	Q287442	1.50	0.074
			460.50	462.00	Q287443	1.50	0.012
			462.00	463.50	Q287444	1.50	0.08
			463.50	465.00	Q287445	1.50	0.031
			465.00	466.50	Q287446	1.50	0.129
			466.50	468.00	Q287447	1.50	0.314
			468.00	468.70	Q287448	0.70	0.475
			468.70	470.00	Q287449	1.30	0.034

Description			Assay				
			From	To	Sample number	Length	AuBest
			470.00	471.00	Q287452	1.00	0.011
			471.00	472.50	Q287453	1.50	0.231
			472.50	474.00	Q287454	1.50	0.102
			474.00	475.50	Q287455	1.50	0.156
			475.50	477.00	Q287456	1.50	0.114
477.00	510.00	Vt;5%;;;;Hem01;	477.00	478.50	Q287457	1.50	0.035
		veinlet (1-5 mm) 5% SPECULARITE 1%	478.50	480.00	Q287458	1.50	0.064
		A series of specularite stringers cross the rock @ average 40 dtca.	480.00	481.50	Q287459	1.50	0.092
			481.50	483.00	Q287460	1.50	0.374
			483.00	484.50	Q287461	1.50	0.091
			484.50	486.00	Q287462	1.50	0.019
			486.00	486.53	Q287463	0.53	0.035
486.50	498.55	V4a; PyroBx	486.53	488.00	Q287464	1.47	3.1
		Trachyte Altered; PYROCLASTIC (BRECCIA)	488.00	489.00	Q287465	1.00	0.627
		Brownish grey altered trachyte with fine grained grounmass that contains a few pices of pumice with localized	489.00	490.50	Q287466	1.50	1.045
		brecciation near the upper and lower contacts. Somewher well mineralized with 2-3% disseminated pyrite and	490.50	492.00	Q287467	1.50	1.02
		1% splash of chalcopyrte. Veining is mainly ankerite gashes and fracture fills.	492.00	493.50	Q287468	1.50	0.702
		Strong pervasive ankeritic, weak to moderate patchy potassic alteration with intervals of moderate to locally	493.50	495.00	Q287469	1.50	1.52
		strong silicification overprint. Magnetic variable from strong to weak (with increased silicification). This interval	495.00	496.50	Q287470	1.50	0.296
		shows weakly gold mineralization according to assay result up 3.5 ppm.	496.50	497.50	Q287471	1.00	0.216
			497.50	498.55	Q287472	1.05	0.051
498.55	510.00	V4; Phan					
		Trachyte; PHANERITIC					
		This unit is same the interval 455.9-486.5. This is a dark grey to greenish-grey trachyte flow. Moderate					
		pervasive ankerite, moderate patchy or selective sericite, weak to moderate chloride, moderate pervasive					
		silicification and weak vein controlled potassic alterations.					
		The rock is moderately magnetic. Ankerite quartz veins and veins cross cuing the rock up 2%. These veinlets					
		run almost perpendicular to core axis.					
		Red potassic stringers and veinlets are common with several of them containing pyrire. Mineralization is					
		generally variable from trace to 1%. Somewhere the rock locally mineralized up to 2% associated with the red					
		veinlets and chlorite alteration.					
498.55	510.00	Ank02; Se02; K01; Si02	498.55	500.00	Q287473	1.45	0.295
		Ankerite 2; Sericite 2; Potassic 1; Silica 2	500.00	501.00	Q287474	1.00	0.702
		Moderate pervasive ankerite, moderate patchy or sellective sericite, weak to moderate chloride,	501.00	502.50	Q287477	1.50	0.143
		moderate pervasive silicification and weak vein controlled potassic alterations.					

Description	Assay				
	From	To	Sample number	Length	AuBest
	502.50	504.00	Q287478	1.50	0.079
	504.00	505.50	Q287479	1.50	0.212
	505.50	507.00	Q287480	1.50	0.022
	507.00	508.50	Q287481	1.50	0.082
	508.50	509.30	Q287482	0.80	0.083
	509.30	510.00	Q287483	0.70	0.241
510.00	**End of DDH**				
	Number of samples: 355				
	Number of QAQC samples: 32				
	Total sampled length: 507.25				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_58

Drilled by:	Major	Claims title:	CLM281	Section:	
Described by:	Gilles kamta	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	15/03/2014	Description date:	20/03/2014
		To:	20/03/2014		

Collar

Azimuth: 225.0°
Dip: -75.0°
Length: 603.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,714.728
North	0.0	0.000	5,331,211.239
Elevation	0.0	0.000	345.899

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	225.0°	-75.0°	No	
ReflexEZS	39.00	225.1°	-75.3°	No	Mag = 56478
ReflexEZS	99.00	230.2°	-75.5°	No	Mag = 54649
ReflexEZS	159.00	232.7°	-75.8°	No	Mag = 53173
ReflexEZS	219.00	230.7°	-76.2°	No	Mag = 52794
ReflexEZS	279.00	225.7°	-76.5°	No	Mag = 55410
ReflexEZS	339.00	228.1°	-76.6°	No	Mag = 55235
ReflexEZS	402.00	230.5°	-76.5°	No	Mag = 55126
ReflexEZS	462.00	232.1°	-77.1°	No	Mag = 54652
ReflexEZS	522.00	234.4°	-76.6°	No	Mag = 55064
ReflexEZS	582.00	234.8°	-77.0°	No	Mag = 54469

Description

Re-logged by Ciara Cooke in May 2014.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	27.00	OVB; Undie; **Overburden; UNDEFINED;**					
27.00	31.70	V4; Cry; **Trachyte; CRYSTALRICH;** Pale to med pink crystal rich and massive trachyte. Strong potassic alteration. Aphanitic groundmass. F-mg subhedral white plag crystals. Weakly silicified. Rich in greyish-white qtz veining with brecciation of surrounding trachyte into coarse sub-angular fragments. Minor incl of ankerite and chl. Non magnetic. Py disseminated to conc within stringers.	27.00	28.50	Q283655	1.50	0.018
			28.50	30.00	Q283656	1.50	0.047
			30.00	31.70	Q283657	1.70	0.079
31.70	52.30	4U; Undie; **Ultramafic; UNDEFINED;** Dk blue-green ultramafics. Fg. Intense dk green chl alteration. Strong talc alteration. Weakly flow banded. White ankerite-talc veining and irregular fragments typically oriented within flow banding. Crystal rich plag zone at upper contact with strong banding and interstitial chl.	31.70	33.00	Q283658	1.30	0.061
			33.00	34.50	Q283659	1.50	0.022
			34.50	35.40	Q283660	0.90	<0.005
			35.40	36.30	Q283661	0.90	<0.005
			36.30	37.70	Q283662	1.40	<0.005
			37.70	39.00	Q283663	1.30	0.013
			39.00	40.50	Q283664	1.50	<0.005
			40.50	42.00	Q283665	1.50	<0.005
			42.00	43.50	Q283666	1.50	<0.005
			43.50	45.00	Q283667	1.50	<0.005
			45.00	46.50	Q283668	1.50	0.006
			46.50	48.00	Q283669	1.50	<0.005
			48.00	49.50	Q283670	1.50	0.007
			49.50	51.00	Q283671	1.50	<0.005
			51.00	52.50	Q283672	1.50	<0.005
52.30	60.40	3L; Mass; **Lamprophyre; Massive;** Dk green lamprophyre dyke with selective brownish-pinky tinge. Intense chl alteration. Weak interstitial calcite alteration. F-mg. RIch in biotote/phlogopite and amphiboles as well as plagioclase. Massive to selectively laminated. Very fg upper chill margin. Rafting with ultramafics towards lower contact. Mg euhedral clusters of py.	52.50	54.00	Q283673	1.50	<0.005
			54.00	55.50	Q283674	1.50	<0.005
			55.50	57.00	Q283677	1.50	<0.005
			57.00	58.50	Q283678	1.50	<0.005
			58.50	60.00	Q283679	1.50	<0.005
			60.00	61.50	Q283680	1.50	<0.005
60.40	82.95	4U; Spher; **Ultramafic; SPHERULITIC;** Dk blue-green ultramafics. Fg. Intense dk green chl alteration. Strong talc alteration. White calcite-talc alteration and spherulites along chilled margins of possible pillow structures - solid rounded and elongated fragments. Traces of serpentine. Trace f-mg euhedral py cubes.	61.50	63.00	Q283681	1.50	<0.005
			63.00	64.50	Q283682	1.50	<0.005
			64.50	66.00	Q283683	1.50	<0.005
			66.00	67.50	Q283684	1.50	<0.005
			67.50	69.00	Q283685	1.50	<0.005
			69.00	70.50	Q283686	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			70.50	72.00	Q283687	1.50	<0.005
			72.00	73.50	Q283688	1.50	<0.005
			73.50	75.00	Q283689	1.50	<0.005
			75.00	76.50	Q283690	1.50	<0.005
			76.50	78.00	Q283691	1.50	<0.005
			78.00	79.50	Q283692	1.50	<0.005
			79.50	81.00	Q283693	1.50	<0.005
			81.00	82.50	Q283694	1.50	<0.005
			82.50	84.00	Q283695	1.50	<0.005
82.95	87.49	3L; Mass; **Lamprophyre; Massive;** Dk green-black. Fg and massive lamprophyre dyke. Sharp contacts. Intense pervasive dk green-black chl alteration. Rich in biotite-phlogopite and amphiboles. Fg greyish-white plag crystals. Strongly magnetic. Greyish-white calcite veinlets. F-mg eu-subhedral py grains.	84.00	85.50	Q283696	1.50	<0.005
			85.50	87.00	Q283697	1.50	0.005
			87.00	88.50	Q283698	1.50	<0.005
87.49	136.31	4U; Spher; FlBand **Ultramafic; SPHERULITIC; FLOWBANDED** Dk blue-green ultramafics. Fg. Intense dk green chl alteration. Strong talc alteration. White calcite-talc alteration with isolated weak ankerite and spherulites along chilled margins of possible pillow structures - solid rounded and elongated fragments. Traces of serpentine. Weak flow laminations. Traces of spinifex texture. Trace f-mg euhedral py cubes.	88.50	90.00	Q283699	1.50	<0.005
			90.00	91.50	Q283702	1.50	<0.005
			91.50	93.00	Q283703	1.50	<0.005
			93.00	94.50	Q283704	1.50	<0.005
			94.50	96.00	Q283705	1.50	<0.005
			96.00	97.50	Q283706	1.50	<0.005
			97.50	99.00	Q283707	1.50	<0.005
			99.00	100.50	Q283708	1.50	<0.005
			100.50	102.00	Q283709	1.50	<0.005
			102.00	103.50	Q283710	1.50	<0.005
			103.50	105.00	Q283711	1.50	<0.005
			105.00	106.50	Q283712	1.50	<0.005
			106.50	108.00	Q283713	1.50	<0.005
			108.00	109.50	Q283714	1.50	<0.005
			109.50	111.00	Q283715	1.50	<0.005
			111.00	112.50	Q283716	1.50	<0.005
			112.50	114.00	Q283717	1.50	<0.005
			114.00	115.50	Q283718	1.50	<0.005
			115.50	117.00	Q283719	1.50	<0.005
			117.00	118.50	Q283720	1.50	<0.005
			118.50	120.00	Q283721	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			120.00	121.50	Q283722	1.50	<0.005
			121.50	123.00	Q283723	1.50	<0.005
			123.00	124.50	Q283724	1.50	<0.005
			124.50	126.00	Q283727	1.50	<0.005
			126.00	127.50	Q283728	1.50	<0.005
			127.50	129.00	Q283729	1.50	0.015
			129.00	130.50	Q283730	1.50	<0.005
			130.50	132.00	Q283731	1.50	<0.005
			132.00	133.50	Q283732	1.50	<0.005
			133.50	135.00	Q283733	1.50	<0.005
			135.00	136.40	Q283734	1.40	<0.005
136.31	141.00	3L; Mass;	136.40	138.00	Q283735	1.60	0.005
		Lamprophyre; Massive;	138.00	139.50	Q283736	1.50	0.005
		Dk green-grey-black. Fg to f-mg massive lamprophyre dyke. Sharp contacts. Intense pervasive dk green-black chl alteration. Rich white-grey plag crystals. Rich in biotite-phlogopite and amphiboles. Magnetic. Greyish-white to pink calcite veinlets. F-mg eu-subhedral py disseminated to clustered.	139.50	141.00	Q283737	1.50	0.007
141.00	183.28	4U; Spher;	141.00	142.50	Q283738	1.50	0.011
		Ultramafic; SPHERULITIC;	142.50	144.00	Q283739	1.50	<0.005
		Dk blue-green ultramafics. Fg. Intense dk green chl alteration. Strong talc alteration. White calcite-talc alteration and spherulites along chilled margins of possible pillow structures - solid rounded and elongated fragments. Traces of serpentine. Weak flow laminations. Traces of spinifex texture. Small isolated raft of massive lamprophyre. Isolated fault zone with clayey gouge. Trace f-mg euhedral py cubes.	144.00	145.50	Q283740	1.50	<0.005
			145.50	147.00	Q283741	1.50	<0.005
			147.00	148.50	Q283742	1.50	<0.005
			148.50	150.00	Q283743	1.50	<0.005
			150.00	151.50	Q283744	1.50	<0.005
			151.50	153.00	Q283745	1.50	<0.005
			153.00	154.50	Q283746	1.50	<0.005
			154.50	156.00	Q283747	1.50	<0.005
			156.00	157.50	Q283748	1.50	<0.005
			157.50	159.00	Q283749	1.50	<0.005
			159.00	160.50	Q283752	1.50	<0.005
			160.50	162.00	Q283753	1.50	<0.005
			162.00	163.50	Q283754	1.50	0.005
			163.50	165.00	Q283755	1.50	<0.005
			165.00	166.50	Q283756	1.50	<0.005
			166.50	168.00	Q283757	1.50	<0.005
			168.00	169.50	Q283758	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			169.50	171.00	Q283759	1.50	<0.005
			171.00	172.50	Q283760	1.50	<0.005
			172.50	174.00	Q283761	1.50	<0.005
			174.00	175.50	Q283762	1.50	<0.005
			175.50	177.00	Q283763	1.50	<0.005
			177.00	178.50	Q283764	1.50	<0.005
			178.50	180.00	Q283765	1.50	<0.005
			180.00	181.50	Q283766	1.50	<0.005
			181.50	183.00	Q283767	1.50	<0.005
			183.00	184.50	Q283768	1.50	<0.005
183.28	184.50	3L; Mass; **Lamprophyre; Massive;** Dk green-black. Fg massive lamprophyre dyke. Difficult to determine definite contacts. Intense pervasive dk green-black chl alteration. Rich in biotite-phlogopite and amphiboles. White-grey plag crystals. Non-magnetic. F-mg eu-subhedral py disseminated to clustered.					
184.50	207.75	4U; Undie; **Ultramafic; UNDEFINED;** Dk blue-green ultramafics. Fg. Intense dk green chl alteration. Strong talc alteration. White to blue-green calcite-talc alteration along chilled margins of possible pillow structures - lg solid rounded and elongated fragments. Traces of serpentine. Weak flow laminations. F-mg euhedral py cubes within veinlets.	184.50	186.00	Q283769	1.50	<0.005
			186.00	187.50	Q283770	1.50	<0.005
			187.50	189.00	Q283771	1.50	<0.005
			189.00	190.50	Q283772	1.50	<0.005
			190.50	192.00	Q283773	1.50	<0.005
			192.00	193.50	Q283774	1.50	<0.005
			193.50	195.00	Q283777	1.50	<0.005
			195.00	196.50	Q283778	1.50	<0.005
			196.50	198.00	Q283779	1.50	<0.005
			198.00	199.50	Q283780	1.50	<0.005
			199.50	201.00	Q283781	1.50	<0.005
			201.00	202.50	Q283782	1.50	<0.005
			202.50	204.00	Q283783	1.50	<0.005
			204.00	205.50	Q283784	1.50	<0.005
			205.50	207.00	Q283785	1.50	<0.005
			207.00	208.50	Q283786	1.50	<0.005
207.75	208.42	3L; Mass; **Lamprophyre; Massive;** Dk green-black. Fg to f-mg massive lamprophyre dyke. Sharp contacts. Intense pervasive dk green-black chl alteration. Rich in biotite-phlogopite and amphiboles. White-grey plag crystals. Non-magnetic.					

Description			Assay				
			From	To	Sample number	Length	AuBest
208.42	258.24	4U; Spher; **Ultramafic; SPHERULITIC;** Dk blue-green ultramafics. Fg. Intense dk green chl alteration. Strong talc alteration. White to blue-green calcite-talc alteration along chilled margins of possible pillow structures - lg solid rounded and elongated fragments. Traces of spherulites along exterior of pillow structures. Traces of serpentine. Weak flow laminations. F-mg euhedral py cubes within veinlets. Lg greyish-white ankerite-feldspar vein at contact. Minimal structural deformation marking ctc.	208.50	210.00	Q283787	1.50	<0.005
			210.00	211.50	Q283788	1.50	<0.005
			211.50	213.00	Q283789	1.50	<0.005
			213.00	214.50	Q283790	1.50	<0.005
			214.50	216.00	Q283791	1.50	<0.005
			216.00	217.50	Q283792	1.50	<0.005
			217.50	219.00	Q283793	1.50	0.011
			219.00	220.50	Q283794	1.50	0.005
			220.50	222.00	Q283795	1.50	<0.005
			222.00	223.50	Q283796	1.50	<0.005
			223.50	225.00	Q283797	1.50	<0.005
			225.00	226.50	Q283798	1.50	<0.005
			226.50	228.00	Q283799	1.50	<0.005
			228.00	229.50	Q283802	1.50	<0.005
			229.50	231.00	Q283803	1.50	<0.005
			231.00	232.50	Q283804	1.50	<0.005
			232.50	234.00	Q283805	1.50	<0.005
			234.00	235.50	Q283806	1.50	<0.005
			235.50	237.00	Q283807	1.50	<0.005
			237.00	238.50	Q283808	1.50	<0.005
			238.50	240.00	Q283809	1.50	<0.005
			240.00	241.50	Q283810	1.50	<0.005
			241.50	243.00	Q283811	1.50	0.006
			243.00	244.50	Q283812	1.50	0.006
			244.50	246.00	Q283813	1.50	<0.005
			246.00	247.50	Q283814	1.50	<0.005
			247.50	249.00	Q283815	1.50	0.017
			249.00	250.50	Q283816	1.50	0.005
			250.50	252.00	Q283817	1.50	<0.005
			252.00	253.50	Q283818	1.50	<0.005
			253.50	254.50	Q283819	1.00	<0.005
			254.50	255.35	Q283820	0.85	<0.005
			255.35	256.80	Q283821	1.45	<0.005
			256.80	258.00	Q283822	1.20	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			258.00	259.50	Q283823	1.50	0.089
258.24	262.40	V4; Per; FlBand	259.50	261.00	Q283824	1.50	0.063
		Trachyte; PERLITIC; FLOWBANDED	261.00	262.50	Q283827	1.50	0.069
		Med red trachyte. Glassy aphanitic groundmass with perlitic texture. Chl rimmed white ankerite-feldpar fragments from major vein at ctc. Intense potassic alteration with strong selective ankerite. Patchy hematite. Fine disseminated py.					
262.40	354.90	V4; FlBand; Per	262.50	264.00	Q283828	1.50	0.147
		Trachyte; FLOWBANDED; PERLITIC	264.00	265.50	Q283829	1.50	0.006
		Pale to med grey-green trachyte flow. Fg crystalline groundmass. Subhedral white-grey plag crystals. Weak to intense well preserved flow banding obligue to sub-parallel tca. Mineral segregation with sericite attenuated along flow bands. Strong ankerite to weak calcite alteration. Light to dk green chl alteration. Small scale irregular non-harmonic folding. Fine disseminated py. Fine disseminated magnetite. Few selective rafts of quenched red trachyte with perlitic texture and strong potassic-ankerite alteration as well as hematite veining near upper ctc.	265.50	267.00	Q283830	1.50	0.008
			267.00	268.50	Q283831	1.50	0.035
			268.50	270.00	Q283832	1.50	0.309
			270.00	271.50	Q283833	1.50	0.13
			271.50	273.00	Q283834	1.50	0.226
			273.00	274.50	Q283835	1.50	0.6
			274.50	276.00	Q283836	1.50	0.226
			276.00	277.50	Q283837	1.50	0.545
			277.50	279.00	Q283838	1.50	0.044
			279.00	280.50	Q283839	1.50	0.014
			280.50	282.00	Q283840	1.50	0.108
			282.00	283.50	Q283841	1.50	0.506
			283.50	285.00	Q283842	1.50	0.934
			285.00	286.50	Q283843	1.50	0.944
			286.50	288.00	Q283844	1.50	0.138
			288.00	289.50	Q283845	1.50	1.27
			289.50	291.00	Q283846	1.50	0.024
			291.00	292.50	Q283847	1.50	0.281
			292.50	294.00	Q283848	1.50	0.206
			294.00	295.50	Q283849	1.50	<0.005
			295.50	297.00	Q283852	1.50	0.021
			297.00	298.50	Q283853	1.50	0.005
			298.50	300.00	Q283854	1.50	<0.005
			300.00	301.50	Q283855	1.50	0.017
			301.50	303.00	Q283856	1.50	<0.005
			303.00	304.50	Q283857	1.50	0.005
			304.50	306.00	Q283858	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			306.00	307.50	Q283859	1.50	0.105
			307.50	309.00	Q283860	1.50	0.017
			309.00	310.50	Q283861	1.50	0.642
			310.50	312.00	Q283862	1.50	<0.005
			312.00	313.50	Q283863	1.50	<0.005
			313.50	315.00	Q283864	1.50	<0.005
			315.00	316.50	Q283865	1.50	0.006
			316.50	318.00	Q283866	1.50	<0.005
			318.00	319.50	Q283867	1.50	<0.005
			319.50	321.00	Q283868	1.50	<0.005
			321.00	322.50	Q283869	1.50	<0.005
			322.50	324.00	Q283870	1.50	<0.005
			324.00	325.50	Q283871	1.50	<0.005
			325.50	327.00	Q283872	1.50	<0.005
			327.00	328.50	Q283873	1.50	<0.005
			328.50	330.00	Q283874	1.50	<0.005
			330.00	331.50	Q283877	1.50	<0.005
			331.50	333.00	Q283878	1.50	<0.005
			333.00	334.50	Q283879	1.50	<0.005
			334.50	336.00	Q283880	1.50	<0.005
			336.00	337.50	Q283881	1.50	<0.005
			337.50	339.00	Q283882	1.50	<0.005
			339.00	340.50	Q283883	1.50	<0.005
			340.50	342.00	Q283884	1.50	<0.005
			342.00	343.50	Q283885	1.50	<0.005
			343.50	345.00	Q283886	1.50	<0.005
			345.00	346.50	Q283887	1.50	<0.005
			346.50	348.00	Q283888	1.50	<0.005
			348.00	349.50	Q283889	1.50	<0.005
			349.50	351.00	Q283890	1.50	<0.005
			351.00	352.50	Q283891	1.50	<0.005
			352.50	354.00	Q283892	1.50	<0.005
			354.00	355.50	Q283893	1.50	0.006
354.90	355.90	V4; Per;	355.50	357.00	Q283894	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte; PERLITIC;					
		Med orangy-red trachyte. Glassy aphanitic groundmass with perlitic texture. Intense potassic and ankerite alteration. Ankerite veining. Sharp contacts. Magnetic. Trace disseminated py.					
355.90	472.50	V4; FlBand;	357.00	358.50	Q283895	1.50	<0.005
		Trachyte; FLOWBANDED;	358.50	360.00	Q283896	1.50	<0.005
		Pale to med grey-green trachyte flow. Fg crystalline groundmass. Subhedral white-grey plag crystals. Well preserved flow banding obligue tca. Mineral segregation with isolated sericite attenuated along flow bands. Moderate ankerite alteration with weak isolated calcite. Light to dk green chl alteration. Fine disseminated py and trace localized chalco. Fine disseminated magnetite.	360.00	361.50	Q283897	1.50	<0.005
			361.50	363.00	Q283898	1.50	<0.005
			363.00	364.50	Q283899	1.50	<0.005
			364.50	366.00	Q283902	1.50	<0.005
			366.00	367.50	Q283903	1.50	<0.005
			367.50	369.00	Q283904	1.50	<0.005
			369.00	370.50	Q283905	1.50	<0.005
			370.50	372.00	Q283906	1.50	<0.005
			372.00	373.50	Q283907	1.50	<0.005
			373.50	375.00	Q283908	1.50	<0.005
			375.00	376.50	Q283909	1.50	<0.005
			376.50	378.00	Q283910	1.50	<0.005
			378.00	379.50	Q283911	1.50	0.008
			379.50	381.00	Q283912	1.50	<0.005
			381.00	382.50	Q283913	1.50	<0.005
			382.50	384.00	Q283914	1.50	<0.005
			384.00	385.50	Q283915	1.50	<0.005
			385.50	387.00	Q283916	1.50	<0.005
			387.00	388.50	Q283917	1.50	<0.005
			388.50	390.00	Q283918	1.50	<0.005
			390.00	391.50	Q283919	1.50	<0.005
			391.50	393.00	Q283920	1.50	<0.005
			393.00	394.50	Q283921	1.50	<0.005
			394.50	396.00	Q283922	1.50	<0.005
			396.00	397.50	Q283923	1.50	<0.005
			397.50	399.00	Q283924	1.50	<0.005
			399.00	400.50	Q283927	1.50	<0.005
			400.50	402.00	Q283928	1.50	<0.005
			402.00	403.50	Q283929	1.50	<0.005
			403.50	405.00	Q283930	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	405.00	406.50	Q283931	1.50	<0.005
	406.50	408.00	Q283932	1.50	<0.005
	408.00	409.50	Q283933	1.50	<0.005
	409.50	411.00	Q283934	1.50	<0.005
	411.00	412.50	Q283935	1.50	<0.005
	412.50	414.00	Q283936	1.50	<0.005
	414.00	415.50	Q283937	1.50	0.005
	415.50	417.00	Q283938	1.50	<0.005
	417.00	418.50	Q283939	1.50	<0.005
	418.50	420.00	Q283940	1.50	<0.005
	420.00	421.50	Q283941	1.50	<0.005
	421.50	423.00	Q283942	1.50	<0.005
	423.00	424.50	Q283943	1.50	<0.005
	424.50	426.00	Q283944	1.50	<0.005
	426.00	427.50	Q283945	1.50	<0.005
	427.50	429.00	Q283946	1.50	<0.005
	429.00	430.50	Q283947	1.50	<0.005
	430.50	432.00	Q283948	1.50	<0.005
	432.00	433.50	Q283949	1.50	<0.005
	433.50	435.00	Q283952	1.50	<0.005
	435.00	436.50	Q283953	1.50	<0.005
	436.50	438.00	Q283954	1.50	<0.005
	438.00	439.50	Q283955	1.50	<0.005
	439.50	441.00	Q283956	1.50	<0.005
	441.00	442.50	Q283957	1.50	<0.005
	442.50	444.00	Q283958	1.50	<0.005
	444.00	445.50	Q283959	1.50	<0.005
	445.50	447.00	Q283960	1.50	<0.005
	447.00	448.50	Q283961	1.50	<0.005
	448.50	450.00	Q283962	1.50	<0.005
	450.00	451.50	Q283963	1.50	<0.005
	451.50	453.00	Q283964	1.50	<0.005
	453.00	454.50	Q283965	1.50	<0.005
	454.50	456.00	Q283966	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			456.00	457.50	Q283967	1.50	<0.005
			457.50	459.00	Q283968	1.50	<0.005
			459.00	460.50	Q283969	1.50	<0.005
			460.50	462.00	Q283970	1.50	<0.005
			462.00	463.50	Q283971	1.50	<0.005
			463.50	465.00	Q283972	1.50	<0.005
			465.00	466.50	Q283973	1.50	<0.005
			466.50	468.00	Q283974	1.50	<0.005
			468.00	469.50	Q283977	1.50	<0.005
			469.50	471.00	Q283978	1.50	<0.005
			471.00	472.50	Q283979	1.50	<0.005
472.50	603.00	V7; Amy; FIBand	472.50	474.00	Q283980	1.50	<0.005
		Basalt; Amygdaloidal; FLOWBANDED	474.00	475.50	Q283981	1.50	<0.005
		Dk green trachy-basalt flow. Very fg with intermittent flow banding obligue to parallel tca and locally irregular.	475.50	477.00	Q283982	1.50	<0.005
		Pale pinky-grey to orangy replaced f-mg eu-subhedral crystals - pyroxene and plag? Fg to f-mg rounded	477.00	478.50	Q283983	1.50	0.006
		calcite infilled amygdaloids dispersed downhole. Intense dk green chloritization. Weak selective calcite and	478.50	480.00	Q283984	1.50	<0.005
		isolated ankerite. Isolated magnetite. Trace fg py.	480.00	481.50	Q283985	1.50	0.006
			481.50	483.00	Q283986	1.50	<0.005
			483.00	484.50	Q283987	1.50	<0.005
			484.50	486.00	Q283988	1.50	<0.005
			486.00	487.50	Q283989	1.50	<0.005
			487.50	489.00	Q283990	1.50	<0.005
			489.00	490.50	Q283991	1.50	<0.005
			490.50	492.00	Q283992	1.50	<0.005
			492.00	493.50	Q283993	1.50	<0.005
			493.50	495.00	Q283994	1.50	<0.005
			495.00	496.50	Q283995	1.50	<0.005
			496.50	498.00	Q283996	1.50	0.005
			498.00	499.50	Q283997	1.50	0.005
			499.50	501.00	Q283998	1.50	0.005
			501.00	502.50	Q283999	1.50	0.005
			502.50	504.00	Q288002	1.50	0.005
			504.00	505.50	Q288003	1.50	0.006
			505.50	507.00	Q288004	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	507.00	508.50	Q288005	1.50	<0.005
	508.50	510.00	Q288006	1.50	<0.005
	510.00	511.50	Q288007	1.50	<0.005
	511.50	513.00	Q288008	1.50	<0.005
	513.00	514.50	Q288009	1.50	<0.005
	514.50	516.00	Q288010	1.50	<0.005
	516.00	517.50	Q288011	1.50	<0.005
	517.50	519.00	Q288012	1.50	<0.005
	519.00	520.50	Q288013	1.50	<0.005
	520.50	522.00	Q288014	1.50	<0.005
	522.00	523.50	Q288015	1.50	<0.005
	523.50	525.00	Q288016	1.50	<0.005
	525.00	526.50	Q288017	1.50	<0.005
	526.50	528.00	Q288018	1.50	<0.005
	528.00	529.50	Q288019	1.50	<0.005
	529.50	531.00	Q288020	1.50	<0.005
	531.00	532.50	Q288021	1.50	<0.005
	532.50	534.00	Q288022	1.50	<0.005
	534.00	535.50	Q288023	1.50	<0.005
	535.50	537.00	Q288024	1.50	<0.005
	537.00	538.50	Q288027	1.50	<0.005
	538.50	540.00	Q288028	1.50	<0.005
	540.00	541.50	Q288029	1.50	<0.005
	541.50	543.00	Q288030	1.50	<0.005
	543.00	544.50	Q288031	1.50	<0.005
	544.50	546.00	Q288032	1.50	<0.005
	546.00	547.50	Q288033	1.50	<0.005
	547.50	549.00	Q288034	1.50	<0.005
	549.00	550.50	Q288035	1.50	0.006
	550.50	552.00	Q288036	1.50	<0.005
	552.00	553.50	Q288037	1.50	<0.005
	553.50	555.00	Q288038	1.50	<0.005
	555.00	556.50	Q288039	1.50	<0.005
	556.50	558.00	Q288040	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	558.00	559.50	Q288041	1.50	<0.005
	559.50	561.00	Q288042	1.50	<0.005
	561.00	562.50	Q288043	1.50	<0.005
	562.50	564.00	Q288044	1.50	<0.005
	564.00	565.50	Q288045	1.50	<0.005
	565.50	567.00	Q288046	1.50	<0.005
	567.00	568.50	Q288047	1.50	<0.005
	568.50	570.00	Q288048	1.50	<0.005
	570.00	571.50	Q288049	1.50	<0.005
	571.50	573.00	Q288052	1.50	<0.005
	573.00	574.50	Q288053	1.50	<0.005
	574.50	576.00	Q288054	1.50	<0.005
	576.00	577.50	Q288055	1.50	<0.005
	577.50	579.00	Q288056	1.50	<0.005
	579.00	580.50	Q288057	1.50	<0.005
	580.50	582.00	Q288058	1.50	<0.005
	582.00	583.50	Q288059	1.50	<0.005
	583.50	585.00	Q288060	1.50	<0.005
	585.00	586.50	Q288061	1.50	<0.005
	586.50	588.00	Q288062	1.50	<0.005
	588.00	589.50	Q288063	1.50	<0.005
	589.50	591.00	Q288064	1.50	<0.005
	591.00	592.50	Q288065	1.50	<0.005
	592.50	594.00	Q288066	1.50	<0.005
	594.00	595.50	Q288067	1.50	<0.005
	595.50	597.00	Q288068	1.50	<0.005
	597.00	598.50	Q288069	1.50	<0.005
	598.50	600.00	Q288070	1.50	<0.005
	600.00	601.50	Q288071	1.50	<0.005
	601.50	603.00	Q288072	1.50	<0.005
603.00	**End of DDH**				
	Number of samples: 386				
	Number of QAQC samples: 32				
	Total sampled length: 576.00				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_59

Drilled by:	Major	Claims title:	CLM281	Section:	
Described by:	Carl Corriveau	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	20/03/2014	Description date:	26/03/2014
		To:	22/03/2014		

Collar

Azimuth: 330.0°
Dip: -50.0°
Length: 184.50 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,709.625
North	0.0	0.000	5,331,207.748
Elevation	0.0	0.000	345.973

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	330.0°	-50.0°	No	
ReflexEZS	45.00	329.3°	-50.5°	No	Mag = 56266
ReflexEZS	105.00	329.3°	-51.5°	No	Mag = 55144
ReflexEZS	165.00	332.4°	-52.3°	No	Mag = 55633

Description

EOH 184.5m. Lost hole, sand . CC

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	30.40	OVB; Undie; **Overburden; UNDEFINED;**					
30.40	41.15	1S; PorFG; **Syenite; PORPHYRITIC (FINE GROUNDMASS);** Redish pinkish partially hematized syenite-trachyte porphyry. 1-2 % diss, veinlets and clusters of Py. 1% hematite veinlets-fractures filled. Not Mag. Very hard .Porphyries strongly ankeritized. lower contact 30-35 TCA.	30.40	31.50	Q285293	1.10	0.089
			31.50	33.00	Q285294	1.50	0.046
			33.00	34.50	Q285295	1.50	0.04
			34.50	36.00	Q285296	1.50	0.019
			36.00	37.50	Q285297	1.50	0.072
			37.50	39.00	Q285298	1.50	0.134
			39.00	40.50	Q285299	1.50	0.068
			40.50	42.00	Q285302	1.50	0.009
41.15	44.75	4U; Undie; **Ultramafic; UNDEFINED;** Dark green strongly chloritized and ankeritized UM. Crosscut by 5-10% white Qz-Carb veinlets. Not Mag. Strong foliation 60-65 TCA.	42.00	43.50	Q285303	1.50	<0.005
			43.50	45.00	Q285304	1.50	<0.005
44.75	50.00	; PorFG; **; PORPHYRITIC (FINE GROUNDMASS);** Grey weakly hematised and strongly ankeritised porphyritic felsite dike. Traces to 1% diss Py.	45.00	46.50	Q285305	1.50	0.006
			46.50	48.00	Q285306	1.50	<0.005
			48.00	49.50	Q285307	1.50	<0.005
			49.50	51.00	Q285308	1.50	<0.005
50.00	74.20	4U; Undie; **Ultramafic; UNDEFINED;** Dark green talc, chlorite and carbonate schist. Strongly Mag.	51.00	52.50	Q285309	1.50	0.006
			52.50	54.00	Q285310	1.50	<0.005
			54.00	55.50	Q285311	1.50	<0.005
			55.50	57.00	Q285312	1.50	0.015
			57.00	58.50	Q285313	1.50	0.007
			58.50	60.00	Q285314	1.50	<0.005
			60.00	61.50	Q285315	1.50	<0.005
			61.50	63.00	Q285316	1.50	0.007
			63.00	64.50	Q285317	1.50	<0.005
			64.50	66.00	Q285318	1.50	0.008
			66.00	67.50	Q285319	1.50	0.006
			67.50	69.00	Q285320	1.50	<0.005
			69.00	70.50	Q285321	1.50	<0.005
			70.50	72.00	Q285322	1.50	<0.005
			72.00	73.50	Q285323	1.50	<0.005
			73.50	75.00	Q285324	1.50	0.042

Description			Assay				
			From	To	Sample number	Length	AuBest
74.20	78.10	4U; Undie;	75.00	76.50	Q285327	1.50	0.054
		Ultramafic; UNDEFINED;	76.50	78.00	Q285328	1.50	3.12
		Grenn to greyish partially silicified and mineralized UM. 5 % qz-carb veins. 2-7% diss and clusters Py mostly in	78.00	79.50	Q285329	1.50	0.867
		Silicified segments.					
78.10	79.50	S6; Phan;					
		Siltstone; PHANERITIC;					
		Greenish brownish mineralised mudstone. 5-10 % clusters and diss Py.					
79.50	84.80	S6; Phan;	79.50	81.00	Q285330	1.50	0.135
		Siltstone; PHANERITIC;	81.00	82.50	Q285331	1.50	0.316
		Dark green with grey banded segments. Diss Py 1 %.	82.50	84.00	Q285332	1.50	0.162
			84.00	85.50	Q285333	1.50	0.038
84.80	101.60	S3; Phan;	85.50	87.00	Q285334	1.50	0.007
		Greywacke; PHANERITIC;	87.00	88.50	Q285335	1.50	0.061
		Green to grey strongly magnetic wacke (derive from tuff?). Dissemminated py 0.5%. Strongly Ankeritised. Well	88.50	90.00	Q285336	1.50	0.753
		banded. MM to Cm beding. Beding 65-75 TCA	90.00	91.50	Q285337	1.50	0.413
			91.50	93.00	Q285338	1.50	0.65
			93.00	94.50	Q285339	1.50	0.184
			94.50	96.00	Q285340	1.50	0.021
			96.00	97.50	Q285341	1.50	0.029
			97.50	99.00	Q285342	1.50	0.059
			99.00	100.50	Q285343	1.50	0.01
			100.50	102.00	Q285344	1.50	0.009
101.60	116.20	4U; Undie;	102.00	103.50	Q285345	1.50	<0.005
		Ultramafic; UNDEFINED;	103.50	105.00	Q285346	1.50	<0.005
		Dark green talc, chlorite and carbonate schist. Strongly Mag.	105.00	106.50	Q285347	1.50	<0.005
			106.50	108.00	Q285348	1.50	<0.005
			108.00	109.50	Q285349	1.50	<0.005
			109.50	111.00	Q285352	1.50	<0.005
			111.00	112.50	Q285353	1.50	<0.005
			112.50	114.00	Q285354	1.50	<0.005
			114.00	115.50	Q285355	1.50	<0.005
			115.50	117.00	Q285356	1.50	<0.005
116.20	116.90	3L; PorFG;					
		Lamprophyre; PORPHYRITIC (FINE GROUNDMASS);					
		Dark brown biotite rich lamprophyre dike. Upper contact 60 TCA					

Description			Assay				
			From	To	Sample number	Length	AuBest
116.90	155.50	4U; Undie;	117.00	118.50	Q285357	1.50	0.009
		Ultramafic; UNDEFINED;	118.50	120.00	Q285358	1.50	<0.005
		Dark green talc, chlorite and carbonate schist. Strongly to week mag. Fragments of mineralized altered	120.00	121.50	Q285359	1.50	<0.005
		trachyte at lower contact in UM.	121.50	123.00	Q285360	1.50	<0.005
			123.00	124.50	Q285361	1.50	<0.005
			124.50	126.00	Q285362	1.50	<0.005
			126.00	127.50	Q285363	1.50	<0.005
			127.50	129.00	Q285364	1.50	<0.005
			129.00	130.50	Q285365	1.50	<0.005
			130.50	132.00	Q285366	1.50	<0.005
			132.00	133.50	Q285367	1.50	<0.005
			133.50	135.00	Q285368	1.50	<0.005
			135.00	136.50	Q285369	1.50	<0.005
			136.50	138.00	Q285370	1.50	<0.005
			138.00	139.50	Q285371	1.50	<0.005
			139.50	141.00	Q285372	1.50	<0.005
			141.00	142.50	Q285373	1.50	<0.005
			142.50	144.00	Q285374	1.50	<0.005
			144.00	145.50	Q285377	1.50	<0.005
			145.50	147.00	Q285378	1.50	<0.005
			147.00	148.50	Q285379	1.50	0.013
			148.50	150.00	Q285380	1.50	<0.005
			150.00	151.50	Q285381	1.50	0.012
			151.50	153.00	Q285382	1.50	<0.005
			153.00	154.50	Q285383	1.50	0.008
			154.50	156.00	Q285384	1.50	0.136
155.50	184.50	V4; PorFG;	156.00	157.50	Q285385	1.50	0.413
		Trachyte; PORPHYRITIC (FINE GROUNDMASS);	157.50	159.00	Q285386	1.50	3.98
		Pinkish to redish mineralized trachyte. Upper contact 35 TCA. Partially silicified with brecciated segments. 1-2	159.00	160.50	Q285387	1.50	2.78
		% fine diss Py. 3% qz-carb veins veinlets. 165-165.5 fragments of altered UM.	160.50	162.00	Q285388	1.50	1.975
			162.00	163.50	Q285389	1.50	2.79
			163.50	165.00	Q285390	1.50	1.495
			165.00	166.50	Q285391	1.50	2.83
			166.50	168.00	Q285392	1.50	0.968

Description	Assay				
	From	To	Sample number	Length	AuBest
	168.00	169.50	Q285393	1.50	1.725
	169.50	171.00	Q285394	1.50	0.325
	171.00	172.50	Q285395	1.50	0.24
	172.50	174.00	Q285396	1.50	0.137
	174.00	175.50	Q285397	1.50	0.079
	175.50	177.00	Q285398	1.50	0.127
	177.00	178.50	Q285399	1.50	0.163
	178.50	180.00	Q285402	1.50	0.479
	180.00	181.50	Q285403	1.50	0.237
	181.50	183.00	Q285404	1.50	0.253
	183.00	184.50	Q285405	1.50	0.727
184.50	**End of DDH**				
	Number of samples: 103				
	Number of QAQC samples: 10				
	Total sampled length: 154.10				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_59A

Drilled by:	Major	Claims title:	CLM281	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	22/03/2014	Description date:	29/03/2014
		To:	31/03/2014		

Collar

Azimuth: 330.0°
Dip: -50.0°
Length: 678.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,709.028
North	0.0	0.000	5,331,208.731
Elevation	0.0	0.000	345.909

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	330.0°	-50.0°	No	
ReflexEZS	51.00	328.4°	-51.4°	No	mag: 56363
ReflexEZS	111.00	327.8°	-52.5°	No	mag: 55487
ReflexEZS	171.00	329.9°	-52.9°	No	mag: 55459
ReflexEZS	231.00	330.6°	-52.2°	No	mag: 55500
ReflexEZS	291.00	333.0°	-51.7°	No	mag: 55232
ReflexEZS	351.00	336.8°	-49.8°	No	mag: 55625
ReflexEZS	414.00	337.2°	-49.1°	No	mag: 53929
ReflexEZS	483.00	339.3°	-48.3°	No	mag: 54348
ReflexEZS	543.00	341.4°	-47.4°	No	mag: 53911
ReflexEZS	603.00	343.5°	-44.3°	No	mag: 50699
ReflexEZS	672.00	341.7°	-40.8°	No	mag: 54546

Description

Re-Logged by Ciara Cooke July 2014.

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	31.00	OVB						
		Overburden						
		Casing and overburden.						
31.00	34.53	FP; PorFG						
		Feldspar Porphyry; PORPHYRITIC (FINE GROUNDMASS)						
		Pale pink feldspar porphyry. Aphanitic groundmass with 10 to 15 pct f-mg white to pale pink eu-subhedral feldspar phenos. Moderate potassic to hematite alteration with weak selective ankerite. Networks of chloritic veinlets. Few white to grey qtz-ankerite veinlets. 3 pct f-mg euhedral py disseminated to fracture controlled. Trace blebs of chalcopyrite.						
31.00	34.53	K02; Ank01; He01						
		Potassic 2; Ankerite 1; Hematite 1						
		Moderate pervasive potassic alteration with weak selective ankerite. Weak selective hematite.						
31.00	34.53	Py03; Cp00.05		31.00	31.50	Q290704	0.50	0.169
		Pyrite 3%; Chalcopyrite 0.05%						
		Eu-subhedral f-mg fracture controlled to disseminated py. Trace vein controlled blebs of chalcopyrite.						
31.50	41.95	Vt;2%;Qac;Ra;;;		31.50	33.00	Q290705	1.50	0.155
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random		33.00	34.50	Q290706	1.50	0.15
		White to greyish-beige qtz-ankerite veining with selective dk green chl rimming. Irregular orientations. Dk green chl veinlets in selective networks.		34.50	36.00	Q290707	1.50	0.029
34.53	35.40	MI						
		Mafic Intrusion 70°						
		Med green with greyish tinge. Possible gabbro or diorite - dominantly plagioclase. Fg equigranular. Moderate interstitial chl alteration. Moderate selective ankerite alteration of fg feldspar crystals. Dissolution around outer crystal edges - subhedral crystals. Weak selective hematite alteration. Sharp ctcs. Weak flow lineation. Non magnetic and non mineralized. White-grey qtz-ankerite as well as chloritic veinlets.						
34.53	35.40	Cl02; Ank02; He01						
		Chlorite 2; Ankerite 2; Hematite 1						
		Moderate interstitial chl and ankerite alteration. Weak selective hematite alteration.						
35.40	41.95	FP; PorFG						
		Feldspar Porphyry 70°; PORPHYRITIC (FINE GROUNDMASS)						
		Pale pink to greyish-red feldspar porphyry. Aphanitic groundmass with 10 to 15 pct f-mg white to pale pink eu-subhedral feldspar phenos. Moderate potassic to hematite alteration with weak selective ankerite. White to grey and dk green qtz-ankerite-chl veinlets forming selective networks. 3 pct f-mg euhedral py disseminated to fracture controlled.						
35.40	41.95	K02; Ank01; He01						
		Potassic 2; Ankerite 1; Hematite 1						
		Moderate pervasive potassic alteration with weak interstitial ankerite. Weak selective hematite.						
35.40	41.95	Py03		36.00	37.50	Q290708	1.50	0.025
		Pyrite 3%		37.50	39.00	Q290709	1.50	0.041
		F-mg to mg euhedral fracture controlled py.		39.00	40.50	Q290710	1.50	0.011

Description				Assay				
				From	To	Sample number	Length	AuBest
				40.50	42.00	Q290711	1.50	0.011
41.95	44.90		MI					
			Mafic Intrusion 50°					
			Med green with greyish tinge. Possible gabbro. Fg equigranular. Moderate interstitial chl alteration. Moderate selective ankerite alteration. Rich in fg to f-mg white feldpars. Selectively oxidized. Dissolution around outer crystal edges - subhedral crystals. Weak selective hematite alteration. Sharp ctcs. Broken rubbley core at upper ctc. Weak flow lineation. Non magnetic and non mineralized. White-grey qtz-ankerite veining with selective dk green chl rimming.					
41.95	44.90		Cl02; Ank02					
			Chlorite 2; Ankerite 2					
			Moderate pervasive interstitial chl. Moderate selective ankerite alteration.					
41.95	44.90		Vn;10%;Ak;Vn;;;	42.00	43.50	Q290712	1.50	<0.005
			vein (5 mm - 10 cm) 10% ankerite vein parallel to foliation	43.50	45.00	Q290713	1.50	<0.005
			White to beige ankerite veining along fabric of rock with few irregular cross-cutting branches. Minor greyish qtz incl. Trace dk green chl.					
44.90	49.30		FP; PorFG					
			Feldspar Porphyry 70°; PORPHYRITIC (FINE GROUNDMASS)					
			Pale to greyish pink feldspar porphyry. Aphanitic groundmass with 5-10 pct f-mg white to pale pink eu-subhedral feldspar phenos. Moderate potassic to hematite alteration with weak selective ankerite. White to grey and dk green qtz-ankerite-chl veining forming selective networks. 0.5 pct f-mg euhedral fracture controlled py. Sharp ctcs.					
44.90	49.30		Ank02; K01; He01					
			Ankerite 2; Potassic 1; Hematite 1					
			Moderate selective ankerite alteration. Weak selective potassic alteration. Weak isolated hematite alteration.					
44.90	49.30		Py00.5					
			Pyrite 0.5%					
			Eu-subhedral f-mg to mg fracture and vein controlled py.					
44.90	49.30		Vn;5%;Qac;Ra;;;	45.00	46.50	Q290714	1.50	0.008
			vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random	46.50	48.00	Q290715	1.50	<0.005
			Greyish-white to dk green qtz-ankerite-chl veining. Irregular cross-cutting orientations and selective networks.	48.00	49.50	Q290716	1.50	<0.005
49.30	76.50		4U; Pil	49.50	51.00	Q290717	1.50	0.006
			Ultramafic 70°; Pillowed					
			Dk blue-green grey ultramafics. Intense pervasive chl alteration with selective ankerite. Moderate talc alteration. Moderate selective magnetism. Very fg. Flow banding at upper ctc. Small scale pillow structures appearing at 54m in talc altered zone. White to pale greenish ankerite-talc veining. Traces of specular hematite. Trace f-mg euhedral py. Sharp ctcs.					
49.30	54.00		Cl03; Ank02					
			Chlorite 3; Ankerite 2					
			Intense chl alteration with selective ankerite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
49.30	54.00	Vn;15%;Qak;Ra;;; **vein (5 mm - 10 cm) 15% quartz-ankerite random** Greyish-white irregular qtz-ankerite veining.					
51.00	60.00	Py00.1 **Pyrite 0.1%** 0.1-0.2 pct f-mg eu-subhedral vein controlled py.	51.00 52.50	52.50 54.00	Q290718 Q290719	1.50 1.50	<0.005 0.005
54.00	76.50	Cl03; Talc02; Mgt02; Ank01 **Chlorite 3; Talc 2; Magnetite 2; Ankerite 1** Intense pervasive chl alteration with moderate talc and weak to moderate selective ankerite. Moderate selective magnetite.	54.00 55.50 57.00 58.50 60.00 61.50 63.00 64.50 66.00 67.50 69.00 70.50	55.50 57.00 58.50 60.00 61.50 63.00 64.50 66.00 67.50 69.00 70.50 72.00	Q290720 Q290721 Q290722 Q290723 Q290724 Q290727 Q290728 Q290729 Q290730 Q290731 Q290732 Q290733	1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	<0.005 0.026 0.016 0.005 <0.005 0.005 <0.005 0.006 0.005 0.04 <0.005 <0.005
54.00	74.40	Vn;5%;Ak;Ra;;Hem; **vein (5 mm - 10 cm) 5% ankerite random SPECULARITE** Pale greenish-white ankerite-talc veining with trace incl of hematite. Irregular.					
71.50	74.40	Py00.1 **Pyrite 0.1%** Eu-subhedral f-mg py.	72.00 73.50	73.50 74.50	Q290734 Q290735	1.50 1.00	<0.005 0.015
74.40	76.50	Py03 **Pyrite 3%** Eu-subhedral f-mg vein controlled to disseminated py.	74.50 75.70	75.70 76.50	Q290736 Q290737	1.20 0.80	0.056 0.145
74.40	75.90	Vn;45%;Qak;Ra;;; **vein (5 mm - 10 cm) 45% quartz-ankerite random** Greyish-white qtz veining with minor ankerite incl.					
75.90	76.40	Vn;20%;Ak;Vn;;; **vein (5 mm - 10 cm) 20% ankerite vein parallel to foliation** White to beinge ankerite veining within fabric of rock.					
76.50	101.27	S6; Lam **Siltstone 80°; Laminated** Med to dk greyish-black to brownish-beige. Very fine to fg and granular. Rhythmic light to dark banding at high angle tca imitating the flow banding seen in trachytes. Oriented at 60 to 95 deg tca. Strong chl alteration with moderate pervasive magnetism. Moderate selective ankerite. Weak to moderate wispy interstitial sericite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Intensely sericite-ankerite altered at upper ctc with conc qtz-ankerite veining and strong mineralization. Irregular qtz-ankerite-chl veining dispersed through unit - oriented within banding as well as cross-cutting. 0.5 up to 10pct f-mg to mg euhedral vein controlled to disseminated py. Sharp ctcs.					
76.50	101.27	Cl03; Ank02; Mgt02; Se01 **Chlorite 3; Ankerite 2; Magnetite 2; Sericite 1** Strong selective chl. Moderate selective ankerite alteration. Moderate pervasive magnetite. Weak to moderate interstitial sericite.					
76.50	78.00	Py10 **Pyrite 10%** Eu-subhedral f-mg to mg vein controlled to disseminated py.					
76.50	103.50	Vn;3%;Qak;Ra;;Py; **vein (5 mm - 10 cm) 3% quartz-ankerite random Pyrite** White to beige qtz-ankerite veining. Veins within lamination as well as cross-cutting. Py incl.	76.50	78.00	Q290738	1.50	1.615
78.00	84.00	Py05 **Pyrite 5%** Eu-subhedral f-mg to mg vein controlled to disseminated py.	78.00	79.50	Q290739	1.50	0.352
			79.50	81.00	Q290740	1.50	0.136
			81.00	82.50	Q290741	1.50	0.334
			82.50	84.00	Q290742	1.50	0.081
84.00	88.50	Py00.2 **Pyrite 0.2%** Eu-subhedral f-mg vein controlled py.	84.00	85.50	Q290743	1.50	<0.005
			85.50	87.00	Q290744	1.50	0.006
			87.00	88.50	Q290745	1.50	0.069
88.50	91.50	Py01 **Pyrite 1%** Eu-subhedral f-mg vein controlled py.	88.50	90.00	Q290746	1.50	0.224
			90.00	91.50	Q290747	1.50	0.438
91.50	101.00	Py00.5 **Pyrite 0.5%** Eu-subhedral f-mg vein controlled py.	91.50	93.00	Q290748	1.50	0.072
			93.00	94.50	Q290749	1.50	0.066
			94.50	96.00	Q290752	1.50	0.038
			96.00	97.50	Q290753	1.50	0.014
			97.50	99.00	Q290754	1.50	0.069
			99.00	100.50	Q290755	1.50	0.198
			100.50	102.00	Q290756	1.50	<0.005
101.27	122.40	4U; Pil **Ultramafic 90°; Pillowed** Dk green-grey ultramafic flow. Intense pervasive chl alteration with selective calcite. Moderate talc alteration. Moderate pervasive magnetism. Aphanitic. Fault zone with selected gouge at upper ctc. Small scale pillow structures. Possible localized spinifex texture. White to pale greyish calcite veining with selected orangy anhydrite. Trace to locally 2pct py with selective conc bands of f-mg euhedral py. Sharp ctcs at high angle tca. Minor rafting at lower ctc of diorite intrusive.					

Description			Assay				
			From	To	Sample number	Length	AuBest
101.27	122.40	Cl03; Mgt02; Talc02; Ca02					
		Chlorite 3; Magnetite 2; Talc 2; Calcite 2					
		Strong pervasive chloritization. Moderate pervasive magnetism with selective talc and calcite alteration.					
102.00	103.50	Py00.1	102.00	103.50	Q290757	1.50	0.005
		Pyrite 0.1%	103.50	105.00	Q290758	1.50	<0.005
		Euhedral f-mg py grains fracture controlled.					
104.80	150.00	Vt;2%;Ca;Ra;;;	105.00	106.50	Q290759	1.50	<0.005
		veinlet (1-5 mm) 2% calcite random	106.50	108.00	Q290760	1.50	<0.005
		White to greyish. Selectively pinky-orange with anhydrite incl. Selective slight green tinge with talc incl.	108.00	109.50	Q290761	1.50	<0.005
		Irregular.					
109.50	115.50	Py00.1	109.50	111.00	Q290762	1.50	<0.005
		Pyrite 0.1%	111.00	112.50	Q290763	1.50	<0.005
		Euhedral f-mg py grains fracture controlled.	112.50	114.00	Q290764	1.50	<0.005
			114.00	115.50	Q290765	1.50	<0.005
115.50	117.00	Py00.2	115.50	117.00	Q290766	1.50	<0.005
		Pyrite 0.2%					
		Euhedral f-mg vein and fracture controlled.					
117.00	118.50	Py02	117.00	118.50	Q290767	1.50	0.007
		Pyrite 2%					
		Eu-subhedral f-mg py conc within bands. Vein controlled.					
118.50	120.00	Py00.1	118.50	120.00	Q290768	1.50	0.053
		Pyrite 0.1%					
		Eu-subhedral f-mg fracture and vein controlled.					
120.00	124.50	Py00.5	120.00	121.50	Q290769	1.50	0.022
		Pyrite 0.5%	121.50	123.00	Q290770	1.50	<0.005
		Eu-subhedral f-mg disseminated to vein controlled.					
122.40	124.65	2D; Phan					
		Diorite 85°; PHANERITIC					
		Dk black to green f-mg diorite dyke. Faint pink-purple tinge. Massive and homogenous in grain size. Strong chl and biotite to phlogopite alteration. Weak to moderate pervasive magnetism. Moderate intestitial calcite. Mg subhedral amphibole crystals. Few white to greyish qtz-calcite veins. 0.2-0.5 pct f-mg euhedral py associated with veining. Sharp ctcs.					
122.40	124.65	Cl03; Ca02; Mgt01	123.00	124.50	Q290771	1.50	0.005
		Chlorite 3; Calcite 2; Magnetite 1					
		Strong selective chl and biotite to phlogopite alteration. Moderate interstitial calcite. Weak to moderate pervasive magnetism.					
124.50	126.00	Py00.2	124.50	126.00	Q290772	1.50	<0.005
		Pyrite 0.2%					
		Eu-subhedral f-mg fracture and vein controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
124.65	158.40	4U; Pil	126.00	127.50	Q290773	1.50	<0.005
		Ultramafic 70°; Pillowed	127.50	129.00	Q290774	1.50	<0.005
		Dk green-grey ultramafic flow. Intense pervasive chl alteration with selective calcite. Moderate talc alteration.	129.00	130.50	Q290777	1.50	<0.005
		Moderate magnetism. Aphanitic. Small scale pillow structures. Possible localized spinifex texture. White to pale	130.50	132.00	Q290778	1.50	<0.005
		greenish calcite-talc veining. Locally broken core with possible gouge. Trace to locally 3pct fine disseminated	132.00	133.50	Q290779	1.50	<0.005
		py at lower ctc with patchy ankerite-sericite alteration. Sharp ctcs at high angle tca. Moderate patchy alteration	133.50	135.00	Q290780	1.50	<0.005
		from 150m with selected boudinage.	135.00	136.50	Q290781	1.50	<0.005
			136.50	138.00	Q290782	1.50	<0.005
			138.00	139.50	Q290783	1.50	<0.005
			139.50	141.00	Q290784	1.50	<0.005
124.65	150.60	Cl03; Talc02; Ca02; Mgt02					
		Chlorite 3; Talc 2; Calcite 2; Magnetite 2					
		Strong chloritization. Moderate selective talc. Weak to moderate interstitial calcite alteration. Weak to					
		moderate selective magnetism.					
141.00	150.00	Py00.1	141.00	142.50	Q290785	1.50	<0.005
		Pyrite 0.1%	142.50	144.00	Q290786	1.50	<0.005
		Eu-subhedral f-mg fracture and vein controlled.	144.00	145.50	Q290787	1.50	<0.005
			145.50	147.00	Q290788	1.50	<0.005
			147.00	148.50	Q290789	1.50	<0.005
			148.50	150.00	Q290790	1.50	0.005
150.00	151.50	Py03					
		Pyrite 3%					
		Fg to f-mg eu-subhedral disseminated.					
150.00	158.80	Vn;5%;Qak;Ra;;;	150.00	151.50	Q290791	1.50	0.046
		vein (5 mm - 10 cm) 5% quartz-ankerite random					
		White to greyish qtz-ankerite veining. Irregular and folded within to cross-cutting fabric of wall rock.					
		Selected boudinage.					
150.60	158.40	Ank02; Cl02; Mgt01; Se01					
		Ankerite 2; Chlorite 2; Magnetite 1; Sericite 1					
		Moderate selective ankerite alteration. Moderate to strong selective chl. Weak selective magnetite.					
		Moderate selective and wispy sericite.					
151.50	153.00	Py00.5	151.50	153.00	Q290792	1.50	0.008
		Pyrite 0.5%					
		Fg to f-mg eu-subhedral disseminated within selective patches.					
153.00	154.50	Py00.1	153.00	154.50	Q290793	1.50	<0.005
		Pyrite 0.1%					
		Fg to f-mg eu-subhedral. Selectively disseminated.					

Description			Assay				
			From	To	Sample number	Length	AuBest
154.50	157.50	Py00.2	154.50	156.00	Q290794	1.50	0.006
		Pyrite 0.2%	156.00	157.50	Q290795	1.50	<0.005
		Fg to f-mg eu-subhedral fracture to vein controlled.					
157.50	159.00	Py01	157.50	159.00	Q290796	1.50	0.1
		Pyrite 1%					
		Fg disseminated.					
158.40	188.20	V4; Per					
		Trachyte 80°; PERLITIC					
		Greyish-red to purple trachyte. Moderate to strong potassic-ankerite alteration with weak selected silicification. Glassy groundmass with perlitic texture. Non magnetic. Pervasive hydrothermal fractured to brecciated texture. Small isolated rafts of greyish-beige to green hyaloclastite rich quench zones. Pink to white qtz-ankerite veining with selected fragmented incl of wall rock. Isolated pinky-grey and milky calcite veins. 0.5-2 pct fine disseminated py. Selected veins of specularite. Selected blebs of chalcopyrite and incl of molybdenite within qtz-ankerite veining. Sharp ctcs.					
158.40	188.20	K02; Ank02; Si01					
		Potassic 2; Ankerite 2; Silica 1					
		Moderate to strong potassic alteration with selective moderate ankerite. Weak patchy silicification.					
158.80	163.50	Vn;10%;Qak;Ra;;Cp Mo Hem;					
		vein (5 mm - 10 cm) 10% quartz-ankerite random Chalcopyrite Molybdenite					
		SPECULARITE					
		Pinky-white qtz-ankerite veining with angular fragments of wall rock. Selective incl of specular hematite as well as chalcopyrite and molybdenite. Selected orangy incl of barite.					
159.00	163.50	Py02; Cp00.2; Mo00.2; Hem00.2	159.00	160.50	Q290797	1.50	0.469
		Pyrite 2%; Chalcopyrite 0.2%; Molybdenite 0.2%; SPECULARITE 0.2%	160.50	162.00	Q290798	1.50	3.67
		Fine disseminated py. Vein controlled chalco with moly and selective specularite.	162.00	163.50	Q290799	1.50	0.658
163.50	168.00	Py02					
		Pyrite 2%					
		Fine disseminated py.					
163.50	178.00	Vt;2%;Qak;Ra;;;	163.50	165.00	Q290802	1.50	0.889
		veinlet (1-5 mm) 2% quartz-ankerite random	165.00	166.50	Q290803	1.50	1.415
		Greyish-white qtz veinlets with ankerite incl. Selective orangy-pink barite. Veins are irregular and cross-cutting.	166.50	168.00	Q290804	1.50	0.191
168.00	169.50	Py01	168.00	169.50	Q290805	1.50	1.855
		Pyrite 1%					
		Fine disseminated py.					
169.00	169.40	FTH					
		Flow Top/Hyaloclastite					
		Small raft. White to greyish-beige and dk green. Fg glassy groundmass with hyaloclastites. Ankerite and chl altered. Non magnetic. Mineralized with fg disseminated py. Sharp but irregular ctcs.					

Description			Assay				
			From	To	Sample number	Length	AuBest
169.50	171.00	Py00.5 **Pyrite 0.5%** Fine disseminated py.	169.50	171.00	Q290806	1.50	0.408
171.00	174.00	Py01 **Pyrite 1%** Fine disseminated py.	171.00 172.50	172.50 174.00	Q290807 Q290808	1.50 1.50	0.224 0.186
174.00	178.50	Py00.5 **Pyrite 0.5%** Fine disseminated py.	174.00 175.50 177.00	175.50 177.00 178.50	Q290809 Q290810 Q290811	1.50 1.50 1.50	0.228 0.315 0.118
178.50	183.00	Py01 **Pyrite 1%** Fine disseminated py.	178.50	180.00	Q290812	1.50	0.129
178.70	179.30	FTH **Flow Top/Hyaloclastite** Small irregular raft. Greyish-beige and dk green. Fg glassy groundmass with hyaloclastites. Ankerite and chl altered. Non magnetic. Mineralized with fg disseminated py. Distinct but irregular margins.					
179.20	183.50	Vn;5%;Ca;Ra;;; **vein (5 mm - 10 cm) 5% calcite random** Milky greyish-pink calcite veining.	180.00 181.50	181.50 183.00	Q290813 Q290814	1.50 1.50	0.089 0.14
183.00	184.50	Py00.5 **Pyrite 0.5%** Fine disseminated py.	183.00	184.50	Q290815	1.50	0.132
184.50	188.20	Py01 **Pyrite 1%** Fine disseminated py.	184.50	186.00	Q290816	1.50	0.275
185.00	185.70	FTH **Flow Top/Hyaloclastite** Small irregular raft. Greyish-beige and dk green. Fg glassy groundmass with hyaloclastites. Ankerite and chl altered. Non magnetic. Mineralized with fg disseminated py. Distinct but irregular margins.	186.00 187.50	187.50 189.00	Q290817 Q290818	1.50 1.50	0.37 0.231
188.20	193.66	V4; FTH **Trachyte; Flow Top/Hyaloclastite** Dk green to greyish-white-beige. Fg glassy groundmass with hyaloclastite texture. Strong selective chl and ankerite alteration. Isolated moderate magnetism towards lower ctc. Selective moderate potassic alteration of glassy fragments as well as a small raft of potassic altered trachyte flow. Trace interstitial fuchsite. Greyish-white irregular ankerite veining. Mineralized with trace to 0.5 pct fg fracture controlled py. Sharp ctcs.					
188.20	193.66	Ank03; Cl03; K02; Se01; Fu01 **Ankerite 3; Chlorite 3; Potassic 2; Sericite 1; Fuchsite 1** Strong selective ankerite and chl alteration. Moderate selective potassic alteration as well as localized patches. Weak to moderate interstitial wispy sericite. Weak interstitial fuchsite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
188.20	193.66	Vt;7%;Ak;Ra;;;	189.00	190.50	Q290819	1.50	<0.005
		veinlet (1-5 mm) 7% ankerite random					
		White to pale greenish-grey ankerite veining. Irregular. Folded and deformed within fabric of wall rock.					
190.50	192.00	Py00.5; Mo00.2	190.50	192.00	Q290820	1.50	0.025
		Pyrite 0.5%; Molybdenite 0.2%					
		Fg vein controlled to disseminated py. Vein controlled molybdenite.					
192.00	204.00	Py00.2	192.00	193.50	Q290821	1.50	0.009
		Pyrite 0.2%	193.50	195.00	Q290822	1.50	0.029
		Eu-subhedral fg to f-mg vein and fracture controlled py.					
193.66	250.93	V4; Vol	195.00	196.50	Q290823	1.50	0.156
		Trachyte 25°; VOLCANICLASTIC	196.50	198.00	Q290824	1.50	0.12
		Beige to med green with patchy pinky-red fragments. Volcaniclastic trachyte. Moderate selective ankerite	198.00	199.50	Q290827	1.50	0.254
		alteration. Moderate selective chloritization of groundmass. Moderate interstitial yellowy and wispy sericite -	199.50	201.00	Q290828	1.50	0.732
		locally attenuated along flow direction. Rounded small to large glassy fragments with moderate pervasive	201.00	202.50	Q290829	1.50	0.389
		potassic alteration and perlitic textures. Isolated patches of moderate magnetism. Irregular fragments with	202.50	204.00	Q290830	1.50	0.149
		ankerite or chl alteration. Few small to lg dk grey to black silicified and mineralized fragments. Groundmass is					
		fg to f-mg and crystal rich dominantly subhedral feldspars with interstitial chl-sericite-ankerite. Irregular and					
		cross-cutting qtz-ankerite veinlets with selected hematite as well as dk green chl veinlets. Mineralized with					
		trace to 0.2 pct fg to f-mg vein and fracture controlled py. Isolated veinlet of molybdenite.					
193.66	205.05	Ank02; Se02; Mgt02; K01; Cl01; Fu01					
		Ankerite 2; Sericite 2; Magnetite 2; Potassic 1; Chlorite 1; Fuchsite 1					
		Moderate to strong selective ankerite alteration. Moderate to strong interstitial yellowy and wispy					
		sericite. Moderate patchy magnetism. Isolated fragments with weak potassic alteration. Isolated					
		fragments with weak to moderate chl alteration. Traces of weak interstitial fuchsite.					
193.66	205.05	Vt;3%;Qak;Ra;;Hem;					
		veinlet (1-5 mm) 3% quartz-ankerite random SPECULARITE					
		Greyish qtz-ankerite veining with selective deep red to greyish hematite. Irregular and cross-cutting.					
204.00	211.50	Py00.1	204.00	205.50	Q290831	1.50	1.035
		Pyrite 0.1%					
		Eu-subhedral fg to f-mg vein and fracture controlled py.					
205.05	235.00	Cl02; Ank02; K02; Se01; Mgt01					
		Chlorite 2; Ankerite 2; Potassic 2; Sericite 1; Magnetite 1					
		Moderate selective chloritization. Weak to moderate selective ankerite alteration. Moderate potassic					
		alteration of glassy fragments. Minor weak to moderate interstitial sericite. Isolated patches of weak to					
		moderate magnetism.					
205.05	250.50	Vt;2%;Qac;Ra;;Hem;	205.50	207.00	Q290832	1.50	0.252
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random SPECULARITE	207.00	208.50	Q290833	1.50	0.438
		White to greyish qtz-ankerite with selected dk green chl and localized deep red hematite. Irregular and	208.50	210.00	Q290834	1.50	0.374
		cross-cutting.	210.00	211.50	Q290835	1.50	0.312

Description			Assay				
			From	To	Sample number	Length	AuBest
211.50	217.50	Py00.2 **Pyrite 0.2%** Eu-subhedral fg to f-mg vein and fracture controlled py.	211.50	213.00	Q290836	1.50	0.397
			213.00	214.50	Q290837	1.50	0.274
			214.50	216.00	Q290838	1.50	0.536
			216.00	217.50	Q290839	1.50	0.01
217.50	222.00	Py00.1 **Pyrite 0.1%** Eu-subhedral fg to f-mg vein and fracture controlled py.	217.50	219.00	Q290840	1.50	0.013
			219.00	220.50	Q290841	1.50	0.037
			220.50	222.00	Q290842	1.50	0.016
			222.00	223.50	Q290843	1.50	0.007
			223.50	225.00	Q290844	1.50	0.006
			225.00	226.50	Q290845	1.50	0.02
			226.50	228.00	Q290846	1.50	0.006
			228.00	229.50	Q290847	1.50	0.007
			229.50	231.00	Q290848	1.50	0.116
231.00	243.00	Py00.1 **Pyrite 0.1%** Eu-subhedral fg to f-mg vein and fracture controlled py.	231.00	232.50	Q290849	1.50	0.138
			232.50	234.00	Q290852	1.50	0.099
			234.00	235.50	Q290853	1.50	0.079
235.00	241.50	Ank03; K02; Cl02; Mgt01 **Ankerite 3; Potassic 2; Chlorite 2; Magnetite 1** Strong dominant ankerite alteration with selective glassy fragments of potassic alteration. Selective moderate interstitial chl alteration. Isolated patches of weak to moderate magnetism.	235.50	237.00	Q290854	1.50	0.145
			237.00	238.50	Q290855	1.50	0.355
			238.50	240.00	Q290856	1.50	0.36
			240.00	241.50	Q290857	1.50	0.07
241.50	250.90	Ank02; K02; Cl02; Se01; Mgt01 **Ankerite 2; Potassic 2; Chlorite 2; Sericite 1; Magnetite 1** Weak to moderate selective ankerite. Patchy to isolated fragments of moderate to strong potassic alteration. Moderate to strong interstitial chloritization. Weak to moderate isolated interstitial sericite. Isolated patches of moderate magnetism.	241.50	243.00	Q290858	1.50	0.247
			243.00	244.50	Q290859	1.50	0.035
			244.50	246.00	Q290860	1.50	0.066
			246.00	247.50	Q290861	1.50	<0.005
			247.50	249.00	Q290862	1.50	<0.005
			249.00	250.50	Q290863	1.50	<0.005
			250.50	252.00	Q290864	1.50	<0.005
250.90	255.40	Cl03; Ank02; Se02 **Chlorite 3; Ankerite 2; Sericite 2** Strong interstitial chl-phlogopite alteration. Moderate to strong selective ankerite alteration. Minor amounts of interstitial wispy sericite.					
250.93	261.00	V4; FTH **Trachyte; Flow Top/Hyaloclastite** Quench margin. Patchy and intermittent dk green to black chloritized glassy rafts within a beige aphanitic pervasively ankeritized trachyte. Pervasive hyaloclastite texture within chlorite-phlogopite altered zones which	252.00	253.50	Q290865	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		dominate the unit at upper ctc transitionally waning downhole. Chloritic zones appear to fracture and fragment the more massive ankeritized flow unit. White to translucent grey irregular qtz veinlets with selected incl of ankerite. Traces of fg py.					
253.00	259.30	Vt;2%;Qak;Ra;;;	253.50	255.00	Q290866	1.50	<0.005
		veinlet (1-5 mm) 2% quartz-ankerite random	255.00	256.50	Q290867	1.50	0.005
		White to greyish irregular qtz-ankerite veining. Cross-cutting and deformed.					
255.40	264.75	Ank03; Cl03	256.50	258.00	Q290868	1.50	<0.005
		Ankerite 3; Chlorite 3	258.00	259.50	Q290869	1.50	<0.005
		Intense pervasive ankerite alteration. Few selective patches of strong chl-phlogopite alteration.					
259.30	267.00	Vt;2%;Qtz;Ra;;;	259.50	261.00	Q290870	1.50	<0.005
		veinlet (1-5 mm) 2% white quartz random					
		Thin greyish translucent qtz veinlets. Irregular and cross-cutting. Minor isolated incl of ankerite.					
261.00	271.20	V4; FlBand; Per	261.00	262.50	Q290871	1.50	<0.005
		Trachyte; FLOWBANDED; PERLITIC	262.50	264.00	Q290872	1.50	0.021
		Greyish-orangy-red to beige trachyte. Aphanitic glassy groundmass with perlitic texture. Intermittent moderate flow banding with mm-cm scale displacement along bands. Bands are non-continous with select undulation. Strong selective ankerite alteration with moderate selective potassic alteration. Isolated occurrences of wispy interstital sericite. Non magnetic. 0.1-0.5 pct fg disseminated py. Small hyaloclastite quench raft defining lower ctc - distinct but irregular.					
264.00	267.00	Py00.1	264.00	265.50	Q290873	1.50	0.154
		Pyrite 0.1%					
		Fg disseminated.					
264.75	276.75	Ank03; K02; Se01	265.50	267.00	Q290874	1.50	0.127
		Ankerite 3; Potassic 2; Sericite 1					
		Strong selective ankerite alteration. Moderate selective potassic alteration. Isolated patches with interstitial sericite.					
267.00	268.50	Py00.2					
		Pyrite 0.2%					
		Fg disseminated.					
267.00	276.80	Vt;1%;Qak;Ra;;Mo;	267.00	268.50	Q290877	1.50	0.157
		veinlet (1-5 mm) 1% quartz-ankerite random Molybdenite					
		Fracture-filling white to pinky qtz-ankerite veinlets. Selected incl of molybdenite.					
268.50	270.00	Py00.5; Mo00.1	268.50	270.00	Q290878	1.50	0.128
		Pyrite 0.5%; Molybdenite 0.1%					
		Fg disseminated py. Vein controlled molybdenite.					
270.00	271.50	Py00.2	270.00	271.50	Q290879	1.50	0.134
		Pyrite 0.2%					
		Fg vein and fracture controlled.					
270.88	271.20	FTH					
		Flow Top/Hyaloclastite					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Small raft. Greyish-beige to med brownish-green. Fg glassy groundmass with hyaloclastites. Ankerite and chl-pholgopite-sericite altered. Non magnetic. Sharp but irregular ctcs.					
271.20	301.40	V4; Per					
		Trachyte; PERLITIC					
		Med greyish-orangy-red to beige to mottled pink and green trachyte. Aphanitic glassy groundmass with perlitic texture. Patchy alteration. Moderate to strong selective ankerite. Moderate selective potassic alteration. Selective zone of interstitial chloritization as well as isolated interstitial sericite. Trachyte appears to have hydrothermally fractured or brecciated texture with either ankerite or chl dominant alteration in between perlitic potassic altered fragments. Qtz-ankerite as well as selected chloritic veinlets - typically irregular and cross-cutting. Trace to 2pct fg py with selected vein controlled molybdenite.					
271.50	273.00	Py00.5	271.50	273.00	Q290880	1.50	0.177
		Pyrite 0.5%					
		Fg fracture controlled.					
273.00	274.50	Py01	273.00	274.50	Q290881	1.50	0.192
		Pyrite 1%					
		Fg fracture controlled.					
274.50	276.00	Py02; Mo00.1	274.50	276.00	Q290882	1.50	0.074
		Pyrite 2%; Molybdenite 0.1%					
		Fg fracture controlled py. Selective vein controlled molybdenite.					
276.00	277.50	Py01	276.00	277.50	Q290883	1.50	0.108
		Pyrite 1%					
		Fg fracture controlled.					
276.75	283.25	Ank03; Se02; Cl01					
		Ankerite 3; Sericite 2; Chlorite 1					
		Strong selective ankerite alteration. Moderate interstitial sericite. Isolated patches of weak interstitial chl.					
276.80	278.80	Vt;2%;Cl;Ra;;;	277.50	279.00	Q290884	1.50	<0.005
		veinlet (1-5 mm) 2% chlorite random	279.00	280.50	Q290885	1.50	<0.005
		Med to dk green chl veinlets. Movement indicators - stepped vein as well a locally sheared with ellipsoidal ends.	280.50	282.00	Q290886	1.50	0.015
281.00	293.00	Vt;2%;Qtz;Ra;;;	282.00	283.50	Q290887	1.50	0.014
		veinlet (1-5 mm) 2% white quartz random					
		Greyish-white qtz veining with minor selected incl of ankerite and isolated chl.					
283.25	293.20	K02; Cl02; Ank02; Se01	283.50	285.00	Q290888	1.50	0.012
		Potassic 2; Chlorite 2; Ankerite 2; Sericite 1	285.00	286.50	Q290889	1.50	0.007
		Moderate selective potassic alteration of glassy fragments. Moderate interstitial dk green chl. Moderate selective ankerite. Weak isolated interstitial sericite.	286.50	288.00	Q290890	1.50	0.029
			288.00	289.50	Q290891	1.50	0.011
289.50	292.50	Py00.1	289.50	291.00	Q290892	1.50	0.007
		Pyrite 0.1%	291.00	292.50	Q290893	1.50	0.028
		Fg vein and fracture controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
292.50	300.00	Py00.2	292.50	294.00	Q290894	1.50	0.225
		Pyrite 0.2%					
		Fg disseminated.					
293.20	304.70	Ank03; K02	294.00	295.50	Q290895	1.50	0.762
		Ankerite 3; Potassic 2	295.50	297.00	Q290896	1.50	0.811
		Strong selective ankerite. Moderate selective potassic alteration.	297.00	298.50	Q290897	1.50	1.075
298.30	300.20	Vt;0%;Cl;Ra;;;	298.50	300.00	Q290898	1.50	0.534
		veinlet (1-5 mm) 0% chlorite random					
		Med to dk green chl veinlets and hairlines.					
300.00	303.00	Py00.1	300.00	301.50	Q290899	1.50	0.202
		Pyrite 0.1%					
		Fg disseminated.					
301.35	307.65	Vt;2%;Qak;Ra;;;					
		veinlet (1-5 mm) 2% quartz-ankerite random					
		Irregular fracture-filling white-grey qtz-ankerite veining.					
301.40	337.80	V4; Lithic; Per	301.50	303.00	Q290902	1.50	0.074
		Trachyte; LITHIC; PERLITIC					
		Med pinky-beige to orangy-red to greyish-mauve trachyte. Glassy aphanitic groundmass with perlitic texture. Strong selective ankerite alteration with moderate selective potassic alteration. Isolated patch of moderate silicification resulting in greyish discolouration. Isolated weak to moderate wispy interstitial sericite. Lithic texture resulting in apparent brecciated texture with fine to med-coarse white to greyish ankeritized lithic fragments in blocky to angular and hexagonal shapes. Isolated small darker greyish silicified fragments as well as potassic altered fragments with same composition as groundmass. Few fg to f-mg eu-subhedral plag crystals floating in glassy grounmass. Irregular white-grey qtz-ankerite veinlets with selective chl incl. Trace to 0.2 pct fg disseminated py. Lower ctc is defined by massive and barren white qtz-ankerite-chl vein with brecciated fragments of flow suspended within.					
303.00	307.50	Py00.2	303.00	304.50	Q290903	1.50	0.146
		Pyrite 0.2%	304.50	306.00	Q290904	1.50	0.193
		Fg vein and fracture controlled.					
304.70	307.66	Ank03; Si02; K02	306.00	307.50	Q290905	1.50	0.098
		Ankerite 3; Silica 2; Potassic 2	307.50	309.00	Q290906	1.50	0.21
		Strong selective ankerite alteration. Moderate patchy silicification. Isolated fragments of moderate potassic alteration.					
307.66	321.00	K03; Ank03; Se02	309.00	310.50	Q290907	1.50	0.065
		Potassic 3; Ankerite 3; Sericite 2					
		Strong selective potassic and ankerite alteration. Weak to moderate selective interstitial sericite.					
309.20	326.00	Hl;0.5%;Cl Qak;Ra;;;	310.50	312.00	Q290908	1.50	0.048
		hairline (< 1 mm) 0.5% chlorite quartz-ankerite random	312.00	313.50	Q290909	1.50	0.278
		Dk green chloritic hairlines as well as irregular qtz-ankerite hairlines and veinlets.	313.50	315.00	Q290910	1.50	0.07

Description			Assay				
			From	To	Sample number	Length	AuBest
			315.00	316.50	Q290911	1.50	0.045
			316.50	318.00	Q290912	1.50	0.099
			318.00	319.50	Q290913	1.50	0.062
319.50	321.00	Py00.1	319.50	321.00	Q290914	1.50	0.071
		Pyrite 0.1%					
		Fg vein controlled.					
321.00	377.80	K03; Ank02; Se01; Cl01	321.00	322.50	Q290915	1.50	0.056
		Potassic 3; Ankerite 2; Sericite 1; Chlorite 1	322.50	324.00	Q290916	1.50	<0.005
		Strong pervasive potassic alteration. Moderate selective ankerite of groundmass. Weak to moderate isolated wisps of sericite. Selective zones of weak to moderate interstitial dk green chl.					
324.00	327.00	Py00.1	324.00	325.50	Q290917	1.50	0.114
		Pyrite 0.1%	325.50	327.00	Q290918	1.50	0.11
		Fg to f-mg eu-subhedral and vein controlled.					
326.00	332.40	Vn;1%;Qac;Ra;;;					
		vein (5 mm - 10 cm) 1% quartz-ankerite-chlorite random					
		White to translucent grey and dk green qtz-chl-ankerite veining. Cross-cutting. Non mineralized.					
327.00	328.50	Py00.2	327.00	328.50	Q290919	1.50	0.229
		Pyrite 0.2%	328.50	330.00	Q290920	1.50	0.089
		Fg to f-mg eu-subhedral and vein controlled.					
330.00	333.00	Py00.1	330.00	331.50	Q290921	1.50	0.119
		Pyrite 0.1%	331.50	333.00	Q290922	1.50	0.077
		Fg to f-mg eu-subhedral and vein and fracture controlled.	333.00	334.50	Q290923	1.50	0.03
333.90	337.90	Vm;40%;Qac;Fl;;;	334.50	336.00	Q290924	1.50	0.025
		major vein (10 cm or greater) 40% quartz-ankerite-chlorite flooding					
		White to translucent grey massive qtz vein with minor amounts of coarse crystalline ankerite and dk green chl. Sharp ctcs. Brecciating wall rock with fine to coarse angular to sub-rounded fragments suspended within vein. Barren with trace py restricted to wall rock inclusions.					
336.00	342.00	Py00.1	336.00	337.50	Q290927	1.50	0.011
		Pyrite 0.1%	337.50	339.00	Q290928	1.50	0.021
		Fg to f-mg eu-subhedral and vein and fracture controlled.					
337.80	377.80	V4; Cry; Per; Lithic					
		Trachyte 60°; CRYSTALRICH; PERLITIC; LITHIC					
		Med brick red trachyte. Glassy aphanitic groundmass with perlitic texture. Crystal rich with on average 10 to 15 pct fg to f-mg white to grey or pinky-red eu-subhedral feldspar crystals. Strong pervasive potassic alteration. Moderate selective ankerite alteration. Isolated and wispy interstitial sericite. Few select zones of weak to moderate interstitial med green chl alteration. Minor amount of fine to coarse sub-angular lithic fragments dispersed throughout. White-grey to dk green qtz-ankerite-chl veining with selected incl of specular hematite. Trace to 0.2 pct fg vein and fracture controlled py. Sharp lower ctc.						
337.90	346.60	Vn;2%;Qac;Ra;;;	339.00	340.50	Q290929	1.50	0.022

		Description	Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random	340.50	342.00	Q290930	1.50	0.008
		White to translucent grey qtz-ankerite veining with selected incl of dk green chl as well as chloritic hairline stockworks.					
342.00	343.50	Py00.2	342.00	343.50	Q290931	1.50	0.026
		Pyrite 0.2%	343.50	345.00	Q290932	1.50	<0.005
		Fg to f-mg eu-subhedral and vein and fracture controlled.	345.00	346.50	Q290933	1.50	0.083
			346.50	348.00	Q290934	1.50	0.015
346.60	356.60	Vt;1%;Qak;Ra;;;	348.00	349.50	Q290935	1.50	0.015
		veinlet (1-5 mm) 1% quartz-ankerite random					
		Greyish-beige to orangy-red qtz-ankerite veinlets. Irregular and cross-cutting.					
349.50	357.00	Py00.1	349.50	351.00	Q290936	1.50	0.101
		Pyrite 0.1%	351.00	352.50	Q290937	1.50	0.131
		Fg to f-mg eu-subhedral and vein and fracture controlled.	352.50	354.00	Q290938	1.50	0.033
			354.00	355.50	Q290939	1.50	0.101
			355.50	357.00	Q290940	1.50	0.037
356.60	369.20	Vn;2%;Qac;Ra;;ZnS;					
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random Sphalerite					
		Translucent grey to dk green qtz-ankerite-chl veining. Selective veins conc with spec hem. Cross-cutting networks of qtz-ankerite hairlines.					
357.00	366.00	Py00.2; Hem00.2	357.00	358.50	Q290941	1.50	0.149
		Pyrite 0.2%; SPECULARITE 0.2%	358.50	360.00	Q290942	1.50	0.233
		Fg to f-mg eu-subhedral and vein and fracture controlled py. Specular hematite veinlets and hairlines.	360.00	361.50	Q290943	1.50	0.157
			361.50	363.00	Q290944	1.50	0.319
			363.00	364.50	Q290945	1.50	0.036
			364.50	366.00	Q290946	1.50	0.028
			366.00	367.50	Q290947	1.50	0.015
367.50	373.50	Py00.1	367.50	369.00	Q290948	1.50	0.056
		Pyrite 0.1%	369.00	370.50	Q290949	1.50	0.069
		Fg to f-mg eu-subhedral and vein and fracture controlled.					
369.75	375.20	Vn;5%;Qac;Ra;;;	370.50	372.00	Q290952	1.50	0.117
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random	372.00	373.50	Q290953	1.50	0.022
		Lg white to translucent grey qtz veining with coarse crystalline incl of ankerite as well as minor dk green chl. Veins up to 6.5cm thick. Non mineralized.					
373.50	375.00	Py00.2	373.50	375.00	Q290954	1.50	0.025
		Pyrite 0.2%					
		Fg to f-mg eu-subhedral and vein and fracture controlled.					
375.00	376.50	Py00.1	375.00	376.50	Q290955	1.50	0.021

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		Fg to f-mg eu-subhedral and vein and fracture controlled.					
375.20	377.80	Vt;2%;Qac;Ra;;;	376.50	378.00	Q290956	1.50	0.018
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random					
		Grey to dk green qtz-ankerite-chl veinlets and hairlines. Cross-cutting.					
377.80	538.15	V4; PyroTuff					
		Trachyte; PYROCLASTIC (TUFFACEOUS)					
		Med grey-green. Fg tuff with pyroclastic fragments. Moderate to strong carbonate alteration with ankerite at upper ctc transitioning to calcite downhole. Moderate pervasive magnetism with fg disseminated magnetite. Weak to strong interstitial chl with increasing intensity downhole. Traces of weak interstitial sericite. Selective weak lineation at low angle tca with wispy sericite oriented within. Isolated pumice fragments selectively elongated within lineation direction. Isolated pyroclastic fragments with pinky-purple-red colouration and glassy perlitic texture. Qtz-ankerite to calcite veining. Trace fg py. Gradational lower ctc into more chaotic and fragmented pyroclastic unit.					
377.80	406.50	Ank03; Mgt02; Se01; Cl01					
		Ankerite 3; Magnetite 2; Sericite 1; Chlorite 1					
		Strong pervasive ankerite alteration. Moderate pervasive magnetism. Weak to moderate interstitial sericite. Select zones of weak interstitial med green chl.					
378.00	379.50	Py00.1					
		Pyrite 0.1%					
		Fg vein associated.					
378.00	390.00	Hl;0.2%;Qac;Ra;;;	378.00	379.50	Q290957	1.50	<0.005
		hairline (< 1 mm) 0.2% quartz-ankerite-chlorite random	379.50	381.00	Q290958	1.50	0.015
		Very few dk green chl hairlines to veinlets as well as few qtz-ankerite veinlets with orangy-red discolouration.	381.00	382.50	Q290959	1.50	<0.005
			382.50	384.00	Q290960	1.50	<0.005
			384.00	385.50	Q290961	1.50	<0.005
			385.50	387.00	Q290962	1.50	0.005
			387.00	388.50	Q290963	1.50	<0.005
			388.50	390.00	Q290964	1.50	<0.005
390.00	399.00	Vt;3%;Qak;Ra;;;	390.00	391.50	Q290965	1.50	0.011
		veinlet (1-5 mm) 3% quartz-ankerite random	391.50	393.00	Q290966	1.50	<0.005
		Greyish-beige-white irregular qtz-ankerite veining with selected orangy-pink incl - possible anhydrite.	393.00	394.50	Q290967	1.50	0.005
			394.50	396.00	Q290968	1.50	0.005
			396.00	397.50	Q290969	1.50	<0.005
			397.50	399.00	Q290970	1.50	<0.005
399.00	399.20	Vn;55%;Qcr;Ra;;;	399.00	400.50	Q290971	1.50	<0.005
		vein (5 mm - 10 cm) 55% quartz-carbonate random					
		Lg white to pink qtz-calcite vein with minor ankerite incl. Localized cavities.					

Description			Assay				
			From	To	Sample number	Length	AuBest
399.20	415.40	Vn;3%;Qcr;Ra;;;	400.50	402.00	Q290972	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-carbonate random	402.00	403.50	Q290973	1.50	0.15
		White to grey to beige qtz-ankerite-calcite veining. Irregular with localized micro stockworks. Selective	403.50	405.00	Q290974	1.50	<0.005
		pink calcite. Lg vein at btm ctc with brecciated fragments of wall rock suspended within.	405.00	406.50	Q290977	1.50	0.005
406.50	415.40	Ank02; Mgt02; Se01; Cl01; Ca01	406.50	408.00	Q290978	1.50	0.021
		Ankerite 2; Magnetite 2; Sericite 1; Chlorite 1; Calcite 1	408.00	409.50	Q290979	1.50	0.005
		Moderate to strong pervasive ankerite alteration. Moderate pervasive magnetism. Weak to moderate	409.50	411.00	Q290980	1.50	0.031
		interstitial sericite. Select zones of weak interstitial med green chl. Isolated weak to moderate interstitial	411.00	412.50	Q290981	1.50	0.007
		calcite alteration - also within veinlets.	412.50	414.00	Q290982	1.50	<0.005
			414.00	415.50	Q290983	1.50	0.015
415.40	528.00	Mgt02; Ca02; Cl02; Se01	415.50	417.00	Q290984	1.50	0.005
		Magnetite 2; Calcite 2; Chlorite 2; Sericite 1	417.00	418.50	Q290985	1.50	0.005
		Moderate pervasive magnetism. Moderate interstitial calcite alteration. Weak to strong interstitial med	418.50	420.00	Q290986	1.50	<0.005
		green chl strenghtening downhole. Weak selective interstitial sericite.	420.00	421.50	Q290987	1.50	<0.005
			421.50	423.00	Q290988	1.50	0.005
			423.00	424.50	Q290989	1.50	0.005
			424.50	426.00	Q290990	1.50	<0.005
415.40	426.00	Vn;2%;Qca;Ra;;ZnS;					
		vein (5 mm - 10 cm) 2% quartz-calcite random Sphalerite					
		White to pink qtz-calcite veining. Irregular blebs to hairlines. Selective veins with brecciated fragments of					
		wall rock suspended within. Trace incl of hematite.					
426.00	443.00	Vt;0.5%;Ca;Ra;;;	426.00	427.50	Q290991	1.50	<0.005
		veinlet (1-5 mm) 0.5% calcite random	427.50	429.00	Q290992	1.50	0.007
		Very few pinky-white calcite veinlets to hairlines with minor qtz component. Isolated veinlets with orangy	429.00	430.50	Q290993	1.50	<0.005
		red colouring and minor ankerite incl. Veinlets oriented within fabric of rock as well as irregular.	430.50	432.00	Q290994	1.50	<0.005
			432.00	433.50	Q290995	1.50	0.005
			433.50	435.00	Q290996	1.50	<0.005
435.00	436.50	Py00.1	435.00	436.50	Q290997	1.50	0.005
		Pyrite 0.1%	436.50	438.00	Q290998	1.50	0.005
		Select f-mg euhedral grains.	438.00	439.50	Q290999	1.50	<0.005
			439.50	441.00	Q291002	1.50	0.005
			441.00	442.50	Q291003	1.50	<0.005
			442.50	444.00	Q291004	1.50	0.005
			444.00	445.50	Q291005	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
444.23	444.60	Vn;40%;Ca;Vn;;;	445.50	447.00	Q291006	1.50	0.005
		vein (5 mm - 10 cm) 40% calcite vein parallel to foliation	447.00	448.50	Q291007	1.50	0.006
		Lg pink calcite vein oriented within foliation. Minor qtz component. Possible traces of anhydrite.					
448.00	458.00	Vt;0.5%;Ca;Ra;;;	448.50	450.00	Q291008	1.50	<0.005
		veinlet (1-5 mm) 0.5% calcite random	450.00	451.50	Q291009	1.50	<0.005
		Thin wispy greyish-white calcite veinlets and hairlines cross-cutting lineation.	451.50	453.00	Q291010	1.50	0.007
			453.00	454.50	Q291011	1.50	0.005
			454.50	456.00	Q291012	1.50	<0.005
			456.00	457.50	Q291013	1.50	0.005
			457.50	459.00	Q291014	1.50	<0.005
458.00	458.13	Vn;75%;Ca;Ra;;;					
		vein (5 mm - 10 cm) 75% calcite random					
		Lg pink calcite vein sub-parallel tca.					
458.90	468.00	Vt;1%;Ca;Ra;;;	459.00	460.50	Q291015	1.50	<0.005
		veinlet (1-5 mm) 1% calcite random	460.50	462.00	Q291016	1.50	0.005
		Wispy greyish-white to pale pink calcite veinlets and hairlines. Along lineation as well as cross-cutting.	462.00	463.50	Q291017	1.50	0.005
			463.50	465.00	Q291018	1.50	<0.005
			465.00	466.50	Q291019	1.50	<0.005
			466.50	468.00	Q291020	1.50	0.005
468.00	474.00	Vn;5%;Qca;Ra;;;	468.00	469.50	Q291021	1.50	0.008
		vein (5 mm - 10 cm) 5% quartz-calcite random	469.50	471.00	Q291022	1.50	<0.005
		Pink calcite veining with minor amounts of qtz. Irregular and undulatory. Low angle tca.	471.00	472.50	Q291023	1.50	0.006
			472.50	474.00	Q291024	1.50	<0.005
474.00	504.50	Vt;0.5%;Ca;Ra;;;	474.00	475.50	Q291027	1.50	0.007
		veinlet (1-5 mm) 0.5% calcite random	475.50	477.00	Q291028	1.50	0.006
		Sparse wispy greyish-white to pale pink calcite veinlets and hairlines. Along lineation as well as	477.00	478.50	Q291029	1.50	0.005
		cross-cutting.	478.50	480.00	Q291030	1.50	0.007
			480.00	481.50	Q291031	1.50	0.006
			481.50	483.00	Q291032	1.50	<0.005
			483.00	484.50	Q291033	1.50	<0.005
			484.50	486.00	Q291034	1.50	<0.005
			486.00	487.50	Q291035	1.50	<0.005
			487.50	489.00	Q291036	1.50	<0.005
			489.00	490.50	Q291037	1.50	<0.005
			490.50	492.00	Q291038	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			492.00	493.50	Q291039	1.50	<0.005
			493.50	495.00	Q291040	1.50	<0.005
			495.00	496.50	Q291041	1.50	<0.005
			496.50	498.00	Q291042	1.50	0.005
			498.00	499.50	Q291043	1.50	0.006
			499.50	501.00	Q291044	1.50	0.008
			501.00	502.50	Q291045	1.50	0.006
			502.50	504.00	Q291046	1.50	0.007
			504.00	505.50	Q291047	1.50	0.005
504.50	504.65	Vn;45%;Qca;Ra;;;	505.50	507.00	Q291048	1.50	0.005
		vein (5 mm - 10 cm) 45% quartz-calcite random	507.00	508.50	Q291049	1.50	<0.005
		Pink calcite vein with minor amount of qtz. Irregular. Low angle tca.	508.50	510.00	Q291052	1.50	0.006
			510.00	511.50	Q291053	1.50	<0.005
511.25	515.50	Vt;0.5%;Ca;Ra;;;	511.50	513.00	Q291054	1.50	0.005
		veinlet (1-5 mm) 0.5% calcite random	513.00	514.50	Q291055	1.50	0.008
		Greyish-white wispy to undulatory calcite veinlets at low angle tca. Cross-cutting lineation.	514.50	516.00	Q291056	1.50	0.008
			516.00	517.50	Q291057	1.50	0.005
516.45	517.73	Vn;4%;Qca;Ra;;;	517.50	519.00	Q291058	1.50	0.007
		vein (5 mm - 10 cm) 4% quartz-calcite random	519.00	520.50	Q291059	1.50	0.008
		Pink calcite veining with minor qtz incl. Distinct but irregular ctcs.					
520.50	521.60	Vt;1%;Ca;Ra;;;	520.50	522.00	Q291060	1.50	0.005
		veinlet (1-5 mm) 1% calcite random	522.00	523.50	Q291061	1.50	<0.005
		White to pinky-grey calcite veinlets.	523.50	525.00	Q291062	1.50	0.005
			525.00	526.50	Q291063	1.50	0.006
			526.50	528.00	Q291064	1.50	<0.005
528.00	538.15	Ank02; Mgt02; Se01; Cl01	528.00	529.50	Q291065	1.50	0.022
		Ankerite 2; Magnetite 2; Sericite 1; Chlorite 1	529.50	531.00	Q291066	1.50	<0.005
		Weak to moderate selective ankerite with increasing intensity downhole. Moderate pervasive magnetite.	531.00	532.50	Q291067	1.50	<0.005
		Traces of weak interstitial sericite and chl.	532.50	534.00	Q291068	1.50	<0.005
528.00	529.50	Py00.1					
		Pyrite 0.1%					
		Eu-subhedral f-mg in isolated cluster.					
533.50	542.90	Vt;1%;Qak;Ra;;;	534.00	535.50	Q291069	1.50	0.006
		veinlet (1-5 mm) 1% quartz-ankerite random	535.50	537.00	Q291070	1.50	<0.005
		Greyish-beige qtz-ankerite veinlets. Cross-cutting fabric of rock.					

Description			Assay				
			From	To	Sample number	Length	AuBest
537.00	543.00	Py00.1 **Pyrite 0.1%** Fg vein controlled.	537.00	538.50	Q291071	1.50	0.095
538.15	613.00	V4; Pyro; Lithic **Trachyte 40°; PYROCLASTIC; LITHIC** Med greenish-grey with patchy beige to orangy red alteration. Fragmental pyroclastic unit with no sorting and localized weak lineation. Moderate pervasive-interatitial ankerite alteration. Selective moderate potassic alteration of glassy fragments. Weak to moderate interstitial chl with traces of interstitial sericite. Moderate patchy magnetism with weakening conc and intensity downhole. Patches of magnetite rich sediments from 607 to 610.5m. Groundmass is fg crystal rich in feldspars with fg interstitial ankerite+chl+sericite. Variety of fragments comprising 10-20pct. Majority are red to reddish-purple trachytic flow fragments with pervasive potassic alteration and glassy perlitic fragments. Larger pumice fragments have ankerite alteration and are selectively elongated along lineation direction with isolated alteration halos. Qtz-ankerite veining throughout with few select chl veinlets. Very trace fg py.	538.50	540.00	Q291072	1.50	0.007
			540.00	541.50	Q291073	1.50	0.071
			541.50	543.00	Q291074	1.50	0.154
538.15	554.70	Ank03; K02; Mgt02; Cl02; Se01 **Ankerite 3; Potassic 2; Magnetite 2; Chlorite 2; Sericite 1** Strong selective ankerite alteration. Weak to moderate and locally strong potassic alteration of selected fragments. Moderate magnetism in selective patches. Moderate interstitial chl. Weak isolated interstitial sericite.					
542.90	567.20	Vn;5%;Qak;Ra;;; **vein (5 mm - 10 cm) 5% quartz-ankerite random** Milky greyish-white to beige qtz-ankerite veining. Irregular and selectively undulose. Selective dk green chl rimming. Trace isolated dk green chl veinlets.					
543.00	544.00	Py00.2 **Pyrite 0.2%** Fg vein associated py.	543.00	544.00	Q291077	1.00	0.475
			544.00	545.00	Q291078	1.00	0.019
			545.00	546.00	Q291079	1.00	0.014
546.00	547.50	Py00.1 **Pyrite 0.1%** Fg vein associated.	546.00	547.50	Q291080	1.50	0.047
			547.50	549.00	Q291081	1.50	0.033
			549.00	550.50	Q291082	1.50	<0.005
			550.50	552.00	Q291083	1.50	0.013
			552.00	553.40	Q291084	1.40	0.013
			553.40	554.00	Q291085	0.60	0.032
			554.00	555.00	Q291086	1.00	0.029
554.70	618.75	Ank02; K02; Mgt01; Cl01; Se01 **Ankerite 2; Potassic 2; Magnetite 1; Chlorite 1; Sericite 1** Moderate to strong pervasive ankerite with intensity increasing at ctcs. Moderate selective potassic alteration of glassy fragments. Weak to moderate selective magnetite. Weak to moderate interstitial chl. Traces of weak interstitial sericite.	555.00	556.50	Q291087	1.50	<0.005
			556.50	558.00	Q291088	1.50	0.006
			558.00	559.50	Q291089	1.50	0.022
			559.50	561.00	Q291090	1.50	0.006
			561.00	562.50	Q291091	1.50	0.023

Description			Assay				
			From	To	Sample number	Length	AuBest
			562.50	564.00	Q291092	1.50	0.005
			564.00	565.50	Q291093	1.50	0.008
			565.50	567.00	Q291094	1.50	0.006
			567.00	568.50	Q291095	1.50	0.006
567.20	577.90	Vt;1%;Qak;Ra;;;	568.50	570.00	Q291096	1.50	<0.005
		veinlet (1-5 mm) 1% quartz-ankerite random	570.00	571.50	Q291097	1.50	0.013
		Greyish-beige to pinky qtz-ankerite veinlets. Irregular to selectively oriented along lineation.	571.50	573.00	Q291098	1.50	0.009
			573.00	574.50	Q291099	1.50	0.011
			574.50	576.00	Q291102	1.50	0.007
			576.00	577.50	Q291103	1.50	0.006
			577.50	579.00	Q291104	1.50	0.009
			579.00	580.50	Q291105	1.50	0.005
			580.50	582.00	Q291106	1.50	<0.005
581.20	585.22	Vt;1%;Cl;Ra;;;	582.00	583.50	Q291107	1.50	<0.005
		veinlet (1-5 mm) 1% chlorite random	583.50	585.00	Q291108	1.50	0.007
		Med to dk green chl veinlets cross-cutting fabric of rock.	585.00	586.50	Q291109	1.50	0.006
585.33	585.46	Vn;50%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 50% quartz-ankerite random					
		Milky greyish-white to reddish qtz-ankerite vein.					
586.00	586.40	Vt;5%;Cl;Ra;;;	586.50	588.00	Q291110	1.50	<0.005
		veinlet (1-5 mm) 5% chlorite random	588.00	589.50	Q291111	1.50	0.006
		Med to dk green chl veinlets. Irregular.	589.50	591.00	Q291112	1.50	0.005
			591.00	592.50	Q291113	1.50	0.005
591.30	617.30	Vt;2%;Qak;Ra;;;	592.50	594.00	Q291114	1.50	<0.005
		veinlet (1-5 mm) 2% quartz-ankerite random					
		Greyish-white qtz-ankerite veinlets with selected incl of chl.					
594.00	599.50	Py00.1	594.00	595.50	Q291115	1.50	0.005
		Pyrite 0.1%	595.50	597.00	Q291116	1.50	<0.005
		Fg vein associated.	597.00	598.50	Q291117	1.50	<0.005
			598.50	600.00	Q291118	1.50	<0.005
600.00	601.50	Py00.1	600.00	601.50	Q291119	1.50	0.005
		Pyrite 0.1%	601.50	603.00	Q291120	1.50	<0.005
		Fg to f-mg eu-subhedral isolated cluster.	603.00	604.50	Q291121	1.50	<0.005
			604.50	606.00	Q291122	1.50	0.007
			606.00	607.50	Q291123	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			607.50	609.00	Q291124	1.50	<0.005
			609.00	610.50	Q291127	1.50	0.01
			610.50	612.00	Q291128	1.50	<0.005
			612.00	613.00	Q291129	1.00	<0.005
613.00	678.00	V4; PyroTuff	613.00	614.00	Q291130	1.00	<0.005
		Trachyte 50°; PYROCLASTIC (TUFFACEOUS)	614.00	615.00	Q291131	1.00	0.005
		Med greyish-beige-green to green pyroclast tuff. Fragments decreasing in size and conc dowhole with unit becoming more tuffaceous towards eoh. Interstitial chl alteration with increasing intensity downhole. Moderate to strong selective ankerite. Selective weak interstitial sericite. Selective patches of f-mg disseminated magnetite. Intermittent weak foliation with selective pyroclastic fragments elongated within. Glassy potassic altered sub-angular fragments at upper contact becoming more ankerite altered pumice dominant after 619m. Rich in irregular qtz-ankerite veining with selective chl incl. Very trace of fg py.	615.00	616.50	Q291132	1.50	0.012
			616.50	618.00	Q291133	1.50	<0.005
617.30	643.70	Vn;3%;Qak;Ra;;;	618.00	619.50	Q291134	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite random					
		Milky greyish-white qtz-ankerite veining. Med to coarse crystals. Undulatory and irregular. Select incl of chl. Select orangy-red incl.					
618.75	644.00	Ank03; Se01; Cl01; Mgt01	619.50	621.00	Q291135	1.50	<0.005
		Ankerite 3; Sericite 1; Chlorite 1; Magnetite 1	621.00	622.50	Q291136	1.50	<0.005
		Moderate to strong pervasive ankerite. Weak selective interstitial sericite and med green chl. Selective patches of moderate magnetism.	622.50	624.00	Q291137	1.50	<0.005
			624.00	625.50	Q291138	1.50	<0.005
625.50	627.00	Py00.1	625.50	627.00	Q291139	1.50	0.006
		Pyrite 0.1%	627.00	628.50	Q291140	1.50	<0.005
		Fg vein controlled.	628.50	630.00	Q291141	1.50	<0.005
			630.00	631.50	Q291142	1.50	<0.005
			631.50	633.00	Q291143	1.50	<0.005
			633.00	634.50	Q291144	1.50	<0.005
			634.50	636.00	Q291145	1.50	<0.005
			636.00	636.90	Q291146	0.90	<0.005
			636.90	638.00	Q291147	1.10	<0.005
			638.00	639.00	Q291148	1.00	<0.005
			639.00	640.50	Q291149	1.50	<0.005
			640.50	642.00	Q291152	1.50	<0.005
			642.00	643.50	Q291153	1.50	<0.005
			643.50	644.70	Q291154	1.20	<0.005
643.70	665.80	Vn;15%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 15% quartz-ankerite random					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Qtz-ankerite veining pervasive throughout interval. Folded and irregular within fabric of rock.					
644.00	678.00	Cl03; Ank02; Mgt02	644.70	646.00	Q291155	1.30	<0.005
		Chlorite 3; Ankerite 2; Magnetite 2	646.00	647.00	Q291156	1.00	<0.005
		Strong chloritization. Moderate to strong ankerite alteration. Moderate pervasive magnetism.	647.00	648.00	Q291157	1.00	0.01
			648.00	649.50	Q291158	1.50	0.008
			649.50	651.00	Q291159	1.50	0.016
			651.00	652.50	Q291160	1.50	0.012
			652.50	654.00	Q291161	1.50	0.016
			654.00	655.50	Q291162	1.50	<0.005
			655.50	657.00	Q291163	1.50	<0.005
			657.00	658.50	Q291164	1.50	<0.005
			658.50	660.00	Q291165	1.50	0.005
			660.00	661.50	Q291166	1.50	0.006
			661.50	663.00	Q291167	1.50	0.007
			663.00	664.50	Q291168	1.50	<0.005
			664.50	666.00	Q291169	1.50	<0.005
			666.00	667.50	Q291170	1.50	0.011
			667.50	669.00	Q291171	1.50	<0.005
			669.00	670.50	Q291172	1.50	<0.005
			670.50	672.00	Q291173	1.50	0.006
			672.00	673.50	Q291174	1.50	<0.005
673.20	678.00	Vt;2%;Qak;Ra;;;	673.50	675.00	Q291177	1.50	<0.005
		veinlet (1-5 mm) 2% quartz-ankerite random	675.00	676.50	Q291178	1.50	<0.005
		White to beige qtz-ankerite veinlets. Cross-cutting rock fabric.					
676.50	678.00	Py00.1	676.50	678.00	Q291179	1.50	0.01
		Pyrite 0.1%					
		F-mg eu-subhedral py within veinlet.					
678.00	**End of DDH**						
	Number of samples: 438						
	Number of QAQC samples: 38						
	Total sampled length: 647.00						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_60

Drilled by:	Major	Claims title:	L9691	Section:	
Described by:	A Richardson	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	17/03/2014	Description date:	05/04/2014
		To:	21/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 438.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,948.167
North	0.0	0.000	5,331,984.053
Elevation	0.0	0.000	337.195

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	57.00	1.1°	-51.0°	No	Mag = 55802
ReflexEZS	117.00	3.0°	-50.4°	No	Mag = 54284
ReflexEZS	177.00	357.4°	-49.1°	No	Mag = 55410
ReflexEZS	237.00	353.8°	-48.8°	No	Mag = 55581
ReflexEZS	297.00	355.4°	-48.2°	No	Mag = 54787
ReflexEZS	357.00	354.3°	-47.5°	No	Mag = 54984
ReflexEZS	417.00	356.7°	-47.0°	No	Mag = 54620

Description

Re-logged by Ciara Cooke July 2014.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	44.30	OVB **Overburden** Casing and overburden.					
44.30	74.75	V4; LapTuff **Trachyte; LAPILLI TUFF/AGGLOMERATE** Med green lapilli tuff. Strong pervasive dk to med green chl alteration. Disseminated magnetite. Isolated interstitial calcite as well as localized calcite veining. Fg chloritic groundmass with pinky-beige to locally red f-mg glassy potassic-ankerite altered and selectively elongate fragments. Weak lamination - possible foliation with traces of yellow wispy sericite elongated within planes. Few isolated zones of broken and rubbley core with possible remnants of gouge. Lg isolated pinky-red to greyish pegmatitic vein of k-felds qtz and ankerite with incl of dk green chl. Generally trace py with isolated patch o 0.5 pct fg py.					
44.30	74.75	Cl03; Mgt02; Ca02; Se01; K01 **Chlorite 3; Magnetite 2; Calcite 2; Sericite 1; Potassic 1** Strong pervasive dk green chl alteration. Moderate selective magnetism. Weak to moderate isolated sweats and patches of interstitial calcite. Weak isolated interstitial sericite. Trace isolated moderate potassic alteration.	44.30	46.00	Q204277	1.70	<0.005
			46.00	47.50	Q204278	1.50	<0.005
			47.50	49.00	Q204279	1.50	<0.005
			49.00	50.50	Q204280	1.50	<0.005
			50.50	52.00	Q204281	1.50	<0.005
			52.00	53.50	Q204282	1.50	<0.005
			53.50	55.00	Q204283	1.50	<0.005
			55.00	56.50	Q204284	1.50	<0.005
			56.50	58.00	Q204285	1.50	<0.005
			58.00	59.50	Q204286	1.50	<0.005
			59.50	61.00	Q204287	1.50	<0.005
			61.00	62.50	Q204288	1.50	<0.005
			62.50	64.00	Q204289	1.50	<0.005
			64.00	65.50	Q204290	1.50	<0.005
			65.50	67.00	Q204291	1.50	<0.005
66.42	67.18	Vm;80%;Qac;Vc;;; **major vein (10 cm or greater) 80% quartz-ankerite-chlorite vein cross-cutting foliation** Lg pegmatitic vein with pinky-red k-felds greyish translucent qtz and white-beige ankerite. Trace incl of solid green chl.	67.00	68.50	Q204292	1.50	<0.005
			68.50	70.00	Q204293	1.50	0.008
70.00	71.50	Py00.5 **Pyrite 0.5%** Isolated cluster of fg disseminated py.	70.00	71.50	Q204294	1.50	0.009
			71.50	73.00	Q204295	1.50	<0.005
			73.00	74.50	Q204296	1.50	<0.005
73.71	76.75	Vn;20%;Qcc;Vc;;; **vein (5 mm - 10 cm) 20% quartz-calcite-chlorite vein cross-cutting foliation** White to pale pink qtz-calcite veining at low angle tca. Minor dk green chl incl and rimming.	74.50	76.00	Q204297	1.50	<0.005
74.75	157.90	V4; Tuff	76.00	77.50	Q204298	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte; TUFF Med to dk green tuffaceous unit. Very fg. Strong pervasive chl with pervasive disseminated magnetite and moderate selective pink calcite. Sharp upper ctc with immediate increase in magnetite. Trace patches of weak to moderate ankerite. Isolated zone of selective reddish-purple potassic alteration with a glassy mottled and fragmented texture. Greyish-white to pink calcite sweats and veinlets. Larger calcite veining has greyish qtz component with trace dk green chl incl. Weak to moderate pervasive lamination - possible foliation. Trace fg py.	77.50	79.00	Q204299	1.50	<0.005
74.75	139.00	Cl03; Mgt03; Ca02; Ank01 **Chlorite 3; Magnetite 3; Calcite 2; Ankerite 1** Strong pervasive chl alteration with pervasive moderate to strong magnetite. Weak to moderate selective calcite alteration with trace isolated patches of weak to moderate ankerite.					
78.00	158.10	Vn;3%;Qcc;Vn;;; **vein (5 mm - 10 cm) 3% quartz-calcite-chlorite vein parallel to foliation** Pink to greyish qtz-calcite veining with minor chl incl.	79.00	80.50	Q204302	1.50	<0.005
			80.50	82.00	Q204303	1.50	0.007
			82.00	83.50	Q204304	1.50	<0.005
			83.50	85.00	Q204305	1.50	<0.005
			85.00	86.50	Q204306	1.50	<0.005
			86.50	88.00	Q204307	1.50	<0.005
			88.00	89.50	Q204308	1.50	<0.005
			89.50	91.00	Q204309	1.50	<0.005
			91.00	92.50	Q204310	1.50	<0.005
			92.50	94.00	Q204311	1.50	<0.005
			94.00	95.50	Q204312	1.50	<0.005
			95.50	97.00	Q204313	1.50	<0.005
			97.00	98.50	Q204314	1.50	<0.005
			98.50	100.00	Q204315	1.50	0.005
			100.00	101.50	Q204316	1.50	<0.005
			101.50	103.00	Q204317	1.50	<0.005
			103.00	104.50	Q204318	1.50	0.005
			104.50	106.00	Q204319	1.50	<0.005
			106.00	107.50	Q204320	1.50	0.012
			107.50	109.00	Q204321	1.50	<0.005
			109.00	110.50	Q204322	1.50	<0.005
			110.50	112.00	Q204323	1.50	<0.005
			112.00	113.50	Q204324	1.50	<0.005
			113.50	115.00	Q204327	1.50	<0.005
			115.00	116.50	Q204328	1.50	<0.005
			116.50	118.00	Q204329	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			118.00	119.50	Q204330	1.50	<0.005
			119.50	121.00	Q204331	1.50	0.005
			121.00	122.50	Q204332	1.50	0.046
			122.50	124.00	Q204333	1.50	<0.005
			124.00	125.50	Q204334	1.50	<0.005
			125.50	127.00	Q204335	1.50	<0.005
			127.00	128.50	Q204336	1.50	<0.005
			128.50	130.00	Q204337	1.50	0.018
			130.00	131.50	Q204338	1.50	0.005
			131.50	133.00	Q204339	1.50	<0.005
			133.00	134.50	Q204340	1.50	<0.005
			134.50	136.00	Q204341	1.50	0.005
			136.00	137.50	Q204342	1.50	<0.005
			137.50	139.00	Q204343	1.50	<0.005
139.00	149.00	Cl03; Mgt03; K02; Ca02	139.00	140.50	Q204344	1.50	<0.005
		Chlorite 3; Magnetite 3; Potassic 2; Calcite 2	140.50	142.00	Q204345	1.50	<0.005
		Strong selective chlorite. Strong pervasive magnetism. Moderate selective potassic alteration. Moderate interstitial calcite.	142.00	143.50	Q204346	1.50	<0.005
			143.50	145.00	Q204347	1.50	<0.005
			145.00	146.50	Q204348	1.50	<0.005
			146.50	148.00	Q204349	1.50	<0.005
			148.00	149.50	Q204352	1.50	<0.005
149.00	159.50	Cl03; Mgt02; Ca01	149.50	151.00	Q204353	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 1	151.00	152.50	Q204354	1.50	0.005
		Intense pervasive chl with moderate to strong disseminated magnetite and weak selective calcite.	152.50	154.00	Q204355	1.50	0.008
			154.00	155.50	Q204356	1.50	0.005
			155.50	157.00	Q204357	1.50	<0.005
			157.00	158.50	Q204358	1.50	<0.005
157.90	204.90	V4; PyroTuff	158.50	160.00	Q204359	1.50	<0.005
		Trachyte 50°; PYROCLASTIC (TUFFACEOUS)					
		Med-dk green to med greyish-beige pyroclastic tuff. Strong dominant chl alteration with selective moderate to strong ankerite and selective moderate magnetism. Isolated interstitial wispy threads of yellowy sericite. Very fg chloritic groundmass with fine to coarse sized fg fragments of chloritic to ankeritic alteration with rounded to angular and mottled to irregular shapes. Selective pale to med pink discolouration of fragments. Weak to moderate selective foliation with wide range of orientation from sub-parallel to sub-perpendicular tca. Possible weak development of S-C fabric. White-beige to pink qtz-calcite and-or ankerite veining with dk green chl rimming. Veining is irregular but folded within fabric of wall rock. Very trace amounts of fg py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
159.50	171.75	Cl03; Mgt02; Ank01 **Chlorite 3; Magnetite 2; Ankerite 1** Strong pervasive med to dk green chl alteration. Moderate to strong pervasive magnetite. Weak selective ankerite alteration.					
159.65	165.00	Vn;2%;Qac;Ra;;; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random** White-beige ankerite veining with qtz and chl.	160.00	161.50	Q204360	1.50	<0.005
			161.50	163.00	Q204361	1.50	<0.005
			163.00	164.50	Q204362	1.50	<0.005
			164.50	166.00	Q204363	1.50	<0.005
165.00	171.75	Vn;5%;Qcc;Ra;;; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random** Pink to white-beige calcite-qtz-chl veining with incl of ankerite. Irregular and folded within fabric of wall rock. Dk green chl rimming.	166.00	167.50	Q204364	1.50	<0.005
			167.50	169.00	Q204365	1.50	<0.005
			169.00	170.50	Q204366	1.50	<0.005
			170.50	172.00	Q204367	1.50	<0.005
171.75	193.00	Ank02; Se02; Cl02; Mgt02 **Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2** Moderate selective ankerite alteration. Weak to moderate isolated wispy yellowy sericite. Moderate med greyish-green chl alteration. Moderate selectively disseminated magnetite.	172.00	173.50	Q204368	1.50	<0.005
			173.50	175.00	Q204369	1.50	<0.005
			175.00	176.50	Q204370	1.50	<0.005
			176.50	178.00	Q204371	1.50	<0.005
			178.00	179.50	Q204372	1.50	<0.005
			179.50	181.00	Q204373	1.50	<0.005
			181.00	182.50	Q204374	1.50	<0.005
			182.50	184.00	Q204377	1.50	0.011
			184.00	185.50	Q204378	1.50	<0.005
			185.50	187.00	Q204379	1.50	<0.005
			187.00	188.50	Q204380	1.50	<0.005
			188.50	190.00	Q204381	1.50	<0.005
			190.00	191.50	Q204382	1.50	<0.005
			191.50	193.00	Q204383	1.50	<0.005
193.00	204.90	Ank03; Se02; Cl02; Mgt02 **Ankerite 3; Sericite 2; Chlorite 2; Magnetite 2** Strong pervasive ankerite alteration. Moderate selective and interstitial sericite. Moderate selective dk green chl. Isolated patches of moderate magnetism.	193.00	194.50	Q204384	1.50	<0.005
			194.50	196.00	Q204385	1.50	0.007
194.95	197.85	Vm;50%;Qac;Vn;;; **major vein (10 cm or greater) 50% quartz-ankerite-chlorite vein parallel to foliation** White to yellowy-beige ankerite-qtz veining with dk green chl and sericite banding along outer walls.	196.00	197.50	Q204386	1.50	<0.005
			197.50	199.00	Q204387	1.50	<0.005
198.65	211.40	Vn;4%;Qak;Vn;;; **vein (5 mm - 10 cm) 4% quartz-ankerite vein parallel to foliation** Milky-greyish-white to beige dominantly ankerite veining. Pinky-grey translucent qtz and pinky-red	199.00	200.50	Q204388	1.50	<0.005
			200.50	202.00	Q204389	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		k-felds. Veining is deformed and folded within fabric of wall rock.	202.00	203.50	Q204390	1.50	<0.005
			203.50	205.00	Q204391	1.50	<0.005
204.90	267.40	V4; LapTuff; Fol	205.00	206.50	Q204392	1.50	<0.005
		Trachyte; LAPILLI TUFF/AGGLOMERATE; Foliated	206.50	208.00	Q204393	1.50	<0.005
		Pale to med grey to greenish tuff with selective pale pink hue. Lapilli to pyroclastic fragments. Moderate to	208.00	209.50	Q204394	1.50	0.005
		strong selective ankerite with interstitial sericite-chl alteration. Moderate f-mg disseminated magnetite. Selective	209.50	211.00	Q204395	1.50	<0.005
		vein controlled hematite. Fg ankeritized to chloritic groundmass. Mottled and irregular pinky-grey pyroclastic	211.00	212.50	Q204396	1.50	<0.005
		fragments as well as rounded to lensoidal pinky fragments stretched along foliation. Fragments range in size	212.50	214.00	Q204397	1.50	<0.005
		from few mm to cms. Isolated large rounded and mantled porphyroblast - several cms. Moderate pervasive	214.00	215.50	Q204398	1.50	<0.005
		foliation with sericite attenuated along plane of deformation. Milky-greyish to white ankerite-qtz and feldspar					
		veining with localized pegmatitic texture and selective incl of deep red hematite. Traces of fg py.					
204.90	226.50	Ank02; Mgt02; Se01; K01; Cl01					
		Ankerite 2; Magnetite 2; Sericite 1; Potassic 1; Chlorite 1					
		Moderate to strong selective ankerite - pervasive throughout unit. Moderate disseminated magnetite.					
		Weak isolated wispy threads of sericite. Weak pink tinge from potassic alteration. Weak isolated chl.					
215.45	231.00	Vn;5%;Qak;Vn;;;	215.50	217.00	Q204399	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite vein parallel to foliation	217.00	218.50	Q204402	1.50	<0.005
		Greyish-beige to pinky ankerite-qtz veining. Folded and deformed within fabric of wall rock. Isolated incl	218.50	220.00	Q204403	1.50	<0.005
		of deep red hematite.	220.00	221.50	Q204404	1.50	<0.005
			221.50	223.00	Q204405	1.50	<0.005
			223.00	224.50	Q204406	1.50	<0.005
			224.50	226.00	Q204407	1.50	<0.005
			226.00	227.50	Q204408	1.50	<0.005
226.50	246.20	Cl03; Ank02; Mgt02; Se01	227.50	229.00	Q204409	1.50	<0.005
		Chlorite 3; Ankerite 2; Magnetite 2; Sericite 1	229.00	230.50	Q204410	1.50	<0.005
		Strong selective chl alteration with moderate to strong selective ankerite. Moderate disseminated	230.50	232.00	Q204411	1.50	<0.005
		magnetite. Weak isolated wispy threads of sericite.					
231.35	234.10	Vt;2%;Ca;Vc;;;	232.00	233.50	Q204412	1.50	<0.005
		veinlet (1-5 mm) 2% calcite vein cross-cutting foliation	233.50	235.00	Q204413	1.50	<0.005
		Chalky pink calcite veining oblique to foliation.	235.00	236.50	Q204414	1.50	<0.005
			236.50	238.00	Q204415	1.50	<0.005
237.60	241.40	Vn;1%;Qak;Ra;;;	238.00	239.50	Q204416	1.50	<0.005
		vein (5 mm - 10 cm) 1% quartz-ankerite random	239.50	241.00	Q204417	1.50	<0.005
		White-beige ankerite veining with incl of pinky-red qtz and hematite.	241.00	242.50	Q204418	1.50	<0.005
			242.50	244.00	Q204419	1.50	0.006
			244.00	245.50	Q204420	1.50	0.015
			245.50	247.00	Q204421	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
246.20	286.00	Ank02; Se02; Cl02; Mgt02	247.00	248.50	Q204422	1.50	0.021
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2	248.50	250.00	Q204423	1.50	0.022
		Moderate selectivel ankerite-sericite-chl with disseminated magnetite.	250.00	251.50	Q204424	1.50	0.016
			251.50	253.00	Q204427	1.50	0.02
			253.00	254.50	Q204428	1.50	0.013
246.20	253.00	Vn;7%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 7% quartz-ankerite random					
		Deep red to white and grey qtz-ankerite-felds veining. Pegmatitic texture. Selective incl of deep red hematite.					
253.15	266.40	Vm;50%;Qak;Ra;;;					
		major vein (10 cm or greater) 50% random					
		Vein zone. Orangy-red to white and grey qtz-ankerite-felds veining. Pegmatitic texture. Selective incl of deep red hematite. Irregular to folded within fabric of wall rock.					
254.40	256.00	Py00.2	254.50	256.00	Q204429	1.50	0.019
		Pyrite 0.2%	256.00	257.50	Q204430	1.50	0.013
		Isolated blebs of fg disseminated py.					
257.50	259.00	Py00.1; Cp00.01	257.50	259.00	Q204431	1.50	0.021
		Pyrite 0.1%; Chalcopyrite 0.01%	259.00	260.50	Q204432	1.50	0.026
		Isolated blebs of fg disseminated py. Trace chalcopyrite.	260.50	262.00	Q204433	1.50	0.013
			262.00	263.50	Q204434	1.50	0.008
			263.50	265.00	Q204435	1.50	<0.005
			265.00	266.50	Q204436	1.50	0.005
			266.50	268.00	Q204437	1.50	0.008
267.00	274.50	Vn;5%;Qak;Vc;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite vein cross-cutting foliation					
		Greyish to white-beige qtz-ankerite veining with selective dk green chl.					
267.40	356.50	V4; PyroTuff; Fol	268.00	269.50	Q204438	1.50	0.01
		Trachyte 80°; PYROCLASTIC (TUFFACEOUS); Foliated	269.50	271.00	Q204439	1.50	0.008
		Med greenish-grey. Moderate alteration with selective ankerite-sericite and magnetite. Chlorite alt is moderate becoming dominant after the fault zone. Selective moderate potassic alteration of pyroclastic fragments. In chl dominant zone pumice fragments are deep red to pink with a glassy texture and pervasive strong potassic alteration. Fg groundmass with fine to large mottled to rounded and lensoidal fragments often attenuated within foliation. Moderate to strong continuous foliation with frequent development of S-C fabrics. Broken and rubbley core from 333.25 to 340.34m with remnant clayey gouge - fault zone. Shear sense indicators oblique up tca. Qtz-ankerite and k-feldspar veining with pegmatitic textures as well as minor pink to grey calcite veinlets. Trace clusters of fg py and trace vein controlled chalcopyrite.	271.00	272.50	Q204440	1.50	0.008
			272.50	274.00	Q204441	1.50	0.028
			274.00	275.50	Q204442	1.50	0.019
			275.50	277.00	Q204443	1.50	0.029
			277.00	278.50	Q204444	1.50	0.03
			278.50	280.00	Q204445	1.50	0.028
			280.00	281.50	Q204446	1.50	0.025
			281.50	283.00	Q204447	1.50	0.025

Description			Assay				
			From	To	Sample number	Length	AuBest
			283.00	284.50	Q204448	1.50	0.038
			284.50	286.00	Q204449	1.50	0.022
286.00	330.62	Ank02; Se02; Cl02; Mgt02; K01	286.00	287.50	Q204452	1.50	0.012
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2; Potassic 1	287.50	289.00	Q204453	1.50	0.016
		Moderate selectivel ankerite-sericite-chl with disseminated magnetite. Selective weak potassic alteration.					
288.10	296.50	Vn;3%;Qak;Vn;;;	289.00	290.50	Q204454	1.50	0.019
		vein (5 mm - 10 cm) 3% quartz-ankerite vein parallel to foliation	290.50	292.00	Q204455	1.50	0.015
		Pinky-orange to reddish qtz-ankerite veining with k-felds. Pegmatitic.	292.00	293.50	Q204456	1.50	0.015
			293.50	295.00	Q204457	1.50	0.016
			295.00	296.50	Q204458	1.50	0.017
			296.50	298.00	Q204459	1.50	0.018
			298.00	299.50	Q204460	1.50	0.017
			299.50	301.00	Q204461	1.50	0.015
			301.00	302.50	Q204462	1.50	0.016
			302.50	304.00	Q204463	1.50	0.019
			304.00	305.50	Q204464	1.50	0.017
			305.50	307.00	Q204465	1.50	0.02
			307.00	308.50	Q204466	1.50	0.017
			308.50	310.00	Q204467	1.50	0.017
			310.00	311.50	Q204468	1.50	0.017
			311.50	313.00	Q204469	1.50	0.017
			313.00	314.50	Q204470	1.50	0.027
313.67	324.80	Vn;3%;Qak;;;;	314.50	316.00	Q204471	1.50	0.023
		vein (5 mm - 10 cm) 3% quartz-ankerite	316.00	317.50	Q204472	1.50	0.022
		Greyish qtz with white-beige ankerite and orangy-red k-felds. Irregular and folded within fabric of wall	317.50	319.00	Q204473	1.50	0.017
		rock. Isolated incl of dk green chl.	319.00	320.50	Q204474	1.50	0.016
			320.50	322.00	Q204477	1.50	0.016
			322.00	323.50	Q204478	1.50	0.017
			323.50	325.00	Q204479	1.50	0.017
			325.00	326.50	Q204480	1.50	0.007
			326.50	328.00	Q204481	1.50	0.009
			328.00	329.50	Q204482	1.50	0.017
			329.50	331.00	Q204483	1.50	0.006
330.62	356.10	Cl03; Mgt02; K02; Ank01; Se01	331.00	332.50	Q204484	1.50	0.017
		Chlorite 3; Magnetite 2; Potassic 2; Ankerite 1; Sericite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong chloritization. Moderate selective magnetism. Selective moderate potassic alteration. Weak to moderate selective ankerite and sericite alteration.	332.50	334.00	Q204485	1.50	0.014
			334.00	335.50	Q204486	1.50	0.013
			335.50	337.00	Q204487	1.50	0.015
			337.00	338.50	Q204488	1.50	0.01
			338.50	340.00	Q204489	1.50	0.017
339.00	341.80	Vn;35%;Qak;Vn;;;	340.00	341.50	Q204490	1.50	0.014
		vein (5 mm - 10 cm) 35% quartz-ankerite vein parallel to foliation	341.50	343.00	Q204491	1.50	0.012
		Greyish translucent qtz with white-beige ankerite and orangy-red k-felds. Selective dk green chl rimming.					
342.80	352.90	Vt;1%;Ak;Ra;;;	343.00	344.50	Q204492	1.50	0.02
		veinlet (1-5 mm) 1% ankerite random	344.50	346.00	Q204493	1.50	0.025
		White-beige to greyish ankerite veining.					
346.00	349.00	Py00.1; Cp00.01	346.00	347.50	Q204494	1.50	0.029
		Pyrite 0.1%; Chalcopyrite 0.01%	347.50	349.00	Q204495	1.50	0.019
		Isolated blebs of fg disseminated py. Trace chalcopyrite.	349.00	350.50	Q204496	1.50	0.035
			350.50	352.00	Q204497	1.50	0.016
			352.00	353.50	Q204498	1.50	0.022
352.98	353.25	Vm;50%;Ak;Vc;;;	353.50	355.00	Q204499	1.50	0.013
		major vein (10 cm or greater) 50% ankerite vein cross-cutting foliation					
		Large coarse grained white-beige ankerite vein with pinky-red to orangy anhydrite growing in core.					
355.00	438.00	Vt;2%;Qcc;Vc;;;	355.00	356.50	Q204502	1.50	0.016
		veinlet (1-5 mm) 2% quartz-calcite-chlorite vein cross-cutting foliation					
		Calcite veins to veinlets with localized incl of pinky qtz and dk green chl as well as conc hematite bands. Veins are pinky-white and generally cross-cutting the foliation.					
356.10	438.00	Cl03; Mgt02; Ca02; He01					
		Chlorite 3; Magnetite 2; Calcite 2; Hematite 1					
		Intense pervasive chl alteration. Moderate to strong disseminated pervasive magnetite. Selective weak to strong calcite alteration - interstitial and sweats to veinlets. Weak to moderate hematite staining emanating from veins.					
356.50	438.00	V4; Tuff	356.50	358.00	Q204503	1.50	<0.005
		Trachyte 50°; TUFF	358.00	359.50	Q204504	1.50	<0.005
		Dk green very fg trachy-basalt. Intense pervasive chl alteration. Disseminated magnetite. Moderate interstitial calcite also conc within veining and sweats. Weak to moderate pink hematite staining emanating from veins where hematite is conc in bands typically with calcite. Few massive sections but typically weak to moderately foliated. Selective shear indicators with development of S-C fabrics. Trace selected blebs of fg py.	359.50	361.00	Q204505	1.50	0.005
			361.00	362.50	Q204506	1.50	0.007
			362.50	364.00	Q204507	1.50	<0.005
			364.00	365.50	Q204508	1.50	0.005
			365.50	367.00	Q204509	1.50	0.007
			367.00	368.50	Q204510	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
			368.50	370.00	Q204511	1.50	0.006
			370.00	371.50	Q204512	1.50	<0.005
			371.50	373.00	Q204513	1.50	<0.005
			373.00	374.50	Q204514	1.50	<0.005
			374.50	376.00	Q204515	1.50	0.005
			376.00	377.50	Q204516	1.50	0.005
			377.50	379.00	Q204517	1.50	<0.005
			379.00	380.50	Q204518	1.50	0.005
			380.50	382.00	Q204519	1.50	0.006
			382.00	383.50	Q204520	1.50	<0.005
			383.50	385.00	Q204521	1.50	<0.005
			385.00	386.50	Q204522	1.50	0.006
			386.50	388.00	Q204523	1.50	<0.005
388.00	389.50	Py00.1	388.00	389.50	Q204524	1.50	<0.005
		Pyrite 0.1%	389.50	391.00	Q204527	1.50	<0.005
		Isolated patch of fg py.					
391.00	392.50	Py00.1	391.00	392.50	Q204528	1.50	0.005
		Pyrite 0.1%	392.50	394.00	Q204529	1.50	<0.005
		Isolated patch of fg py.					
394.00	395.50	Py00.2	394.00	395.50	Q204530	1.50	0.024
		Pyrite 0.2%	395.50	397.00	Q204531	1.50	0.012
		Selected patches of fg py.	397.00	398.50	Q204532	1.50	<0.005
			398.50	400.00	Q204533	1.50	<0.005
			400.00	401.50	Q204534	1.50	<0.005
401.50	403.00	Py00.1	401.50	403.00	Q204535	1.50	0.005
		Pyrite 0.1%	403.00	404.50	Q204536	1.50	0.005
		Fg disseminated py.	404.50	406.00	Q204537	1.50	0.008
			406.00	407.50	Q204538	1.50	<0.005
			407.50	409.00	Q204539	1.50	<0.005
			409.00	410.50	Q204540	1.50	<0.005
			410.50	412.00	Q204541	1.50	<0.005
			412.00	413.50	Q204542	1.50	<0.005
			413.50	415.00	Q204543	1.50	0.005
			415.00	416.50	Q204544	1.50	<0.005
			416.50	418.00	Q204545	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
418.00	419.00	Hem01 **SPECULARITE 1%** Conc veinlet of hematite.	418.00	419.50	Q204546	1.50	<0.005
			419.50	421.00	Q204547	1.50	<0.005
			421.00	422.50	Q204548	1.50	<0.005
			422.50	424.00	Q204549	1.50	0.006
			424.00	425.50	Q204552	1.50	0.011
			425.50	427.00	Q204553	1.50	0.009
			427.00	428.50	Q204554	1.50	<0.005
			428.50	430.00	Q204555	1.50	0.005
			430.00	431.50	Q204556	1.50	<0.005
			431.50	433.00	Q204557	1.50	<0.005
			433.00	434.50	Q204558	1.50	<0.005
			434.50	436.00	Q204559	1.50	<0.005
			436.00	438.00	Q204560	2.00	<0.005
438.00	**End of DDH** **Number of samples: 262** **Number of QAQC samples: 22** **Total sampled length: 393.70**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_61

Drilled by:	Major	Claims title:	L9495	Section:	
Described by:	Carl Corriveau	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	19/03/2014	Description date:	28/03/2014
		To:	23/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 495.30 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,203.204
North	0.0	0.000	5,331,847.701
Elevation	0.0	0.000	344.744

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	75.00	4.0°	-51.5°	No	Mag = 55739
ReflexEZS	135.00	2.9°	-51.0°	No	Mag = 55040
ReflexEZS	195.00	1.4°	-50.9°	No	Mag = 55122
ReflexEZS	255.00	359.9°	-50.1°	No	Mag = 55461
ReflexEZS	315.00	359.3°	-48.8°	No	Mag = 54233
ReflexEZS	375.00	358.5°	-48.3°	No	Mag = 54574
ReflexEZS	435.00	358.6°	-47.1°	No	Mag = 54869
ReflexEZS	495.00	2.6°	-46.4°	No	Mag = 54921

Description

Relogged by Gilles Kamta end 25 july 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	63.00	OVB **Overburden** Casing/Overburden					
63.00	84.40	V4; Por **Trachyte; Porphyritic** Medium green spotty red porphyritic trachyte, sub euhedral or rounded lightly pink phenocrysts 0.1-0.5 cm. The unit is moderately altered to calcite, pervasive strong chlorite, spotty weak sericite and potassic, the lower unit is strongly potassic and brecciated, the entire unit is intersect by 2-40 cm quartz veins. weak spotty oxidation, the magnetism is weak to moderate, traces of euhedral pyrite in the entire unit.	63.00	64.50	Q285406	1.50	0.009
63.00	82.70	Cl03; Ca02; K01; Se01 **Chlorite 3; Calcite 2; Potassic 1; Sericite 1** Stong pervasive chlorite,					
63.00	64.50	Py00.1 **Pyrite 0.1%** traces					
64.50	66.00	Py00.1 **Pyrite 0.1%** traces	64.50	66.00	Q285407	1.50	0.019
66.00	67.50	Py00.1 **Pyrite 0.1%** traces	66.00	67.50	Q285408	1.50	0.014
67.50	69.00	Py00.1 **Pyrite 0.1%** traces	67.50	69.00	Q285409	1.50	0.008
69.00	70.50	Py00.1 **Pyrite 0.1%** traces	69.00	70.50	Q285410	1.50	0.036
70.50	72.00	Py00.1 **Pyrite 0.1%** traces					
70.50	73.50	Vm;40%;Qak;In;60°;; **major vein (10 cm or greater) 40% quartz-ankerite infilled fractures 60°** 10-30 cm quartz ankerite veins	70.50	72.00	Q285411	1.50	0.066
72.00	73.50	Py00.1 **Pyrite 0.1%** traces	72.00	73.50	Q285412	1.50	0.082
73.50	75.00	Py00.1 **Pyrite 0.1%** traces	73.50	75.00	Q285413	1.50	0.052

Description			Assay				
			From	To	Sample number	Length	AuBest
74.60	76.00	Vn;2%;Qak;In;70°;; **vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 70°** infilled quartz-ankerite veins 0.5-2 cm					
75.00	76.50	Py00.1 **Pyrite 0.1%** traces	75.00	76.50	Q285414	1.50	0.013
76.50	78.00	Py00.1 **Pyrite 0.1%** traces	76.50	78.00	Q285415	1.50	<0.005
78.00	79.50	Py00.1 **Pyrite 0.1%** traces	78.00	79.50	Q285416	1.50	0.035
79.50	81.00	Py00.1 **Pyrite 0.1%** traces	79.50	81.00	Q285417	1.50	0.006
81.00	82.50	Py00.1 **Pyrite 0.1%** traces	81.00	82.50	Q285418	1.50	0.007
82.50	84.00	Py00.1 **Pyrite 0.1%** traces	82.50	84.00	Q285419	1.50	0.034
82.70	84.40	K03; Ca01; Cl01 **Potassic 3; Calcite 1; Chlorite 1** Stong pervasive potassic alteration, weak-moderate chlorite-calcite as stringers veinlts,					
84.00	85.50	Py00.1 **Pyrite 0.1%** traces	84.00	85.50	Q285420	1.50	0.013
84.40	242.00	V4; LapTuff **Trachyte 50°; LAPILLI TUFF/AGGLOMERATE** Lightly green fine grained with beige stretched lapilli foliated at 40-50 DTCA, The unit is laminated and banding with localized ductile deformation in the segregated white and green layers 0.5-2 cm, C-S deformation with localized crenulations. It's intersect by infilled quartz ankerite veins and veinlets 0.5-40 cm @ 50-70 DTCA. Localized foliation controlled sericitic alteration. It's moderately magnetic. Generally trace of pyrite.					
84.40	91.50	Cl02; Se02; Ank02; Ca01 **Chlorite 2; Sericite 2; Ankerite 2; Calcite 1** Moderate pervasive chlorite-sericite-ankerite, moderate spotty calcite.					
84.40	162.00	Fln; DZ; Crn **Foliation 60°; Deformation Zone; Crenulation** Moderate to strong foliation 40-70 DTCA, localized crenulations and boudinage sub // or 40-60 DTCA					

Description			Assay				
			From	To	Sample number	Length	AuBest
		foliation					
85.50	87.00	Py00.1	85.50	87.00	Q285421	1.50	0.014
		Pyrite 0.1%					
		traces					
87.00	88.50	Py00.1	87.00	88.50	Q285422	1.50	<0.005
		Pyrite 0.1%					
		traces					
88.50	90.00	Py00.1	88.50	90.00	Q285423	1.50	<0.005
		Pyrite 0.1%					
		traces					
90.00	91.50	Pyo.1	90.00	91.50	Q285424	1.50	<0.005
		Pyrite o.1					
		traces					
91.50	180.00	Ank03; Cl03; Se01; K01	91.50	93.00	Q285425	1.50	<0.005
		Ankerite 3; Chlorite 3; Sericite 1; Potassic 1					
		Pervasive intense ankerite- chlorite, weak sericite locally as stringers // foliation. spotty weak potassic,					
		reddish(hematized) quartz veins					
91.50	93.00	Py00.1					
		Pyrite 0.1%					
		traces					
91.50	93.00	Vn;3%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°					
		PInkish Quartz-ankerite veins					
93.00	94.50	Py00.1	93.00	94.50	Q285426	1.50	<0.005
		Pyrite 0.1%					
		traces					
94.50	96.00	Py00.1	94.50	96.00	Q285427	1.50	0.007
		Pyrite 0.1%					
		traces					
96.00	97.50	Py00.1	96.00	97.50	Q285428	1.50	0.007
		Pyrite 0.1%					
		traces					
97.50	99.00	Py00.1	97.50	99.00	Q285429	1.50	<0.005
		Pyrite 0.1%					
		traces					
99.00	100.50	Py00.1					
		Pyrite 0.1%					
		traces					
99.00	107.00	Vn;3%;Qak Sgq;In;;;	99.00	100.50	Q285430	1.50	0.01
		vein (5 mm - 10 cm) 3% quartz-ankerite smoky grey quartz infilled fractures					

Description			Assay				
			From	To	Sample number	Length	AuBest
		2-3 cm white-somky grey quartz ankerite veins					
100.50	102.00	Py00.1	100.50	102.00	Q285431	1.50	0.006
		Pyrite 0.1%					
		traces					
102.00	103.50	Py00.1	102.00	103.50	Q285432	1.50	0.01
		Pyrite 0.1%					
		traces					
103.50	105.00	Py00.1	103.50	105.00	Q285433	1.50	0.008
		Pyrite 0.1%					
		traces					
105.00	106.50	Py00.2	105.00	106.50	Q285434	1.50	0.006
		Pyrite 0.2%					
		traces fine grained pyrite					
106.50	108.00	Py00.1	106.50	108.00	Q285435	1.50	<0.005
		Pyrite 0.1%					
		traces					
108.00	109.50	Py00.1	108.00	109.50	Q285436	1.50	<0.005
		Pyrite 0.1%					
		traces					
109.50	111.00	Py00.1	109.50	111.00	Q285437	1.50	0.008
		Pyrite 0.1%					
		traces					
110.50	120.00	Vn;5%;Sgq Qak;In;50°;;					
		vein (5 mm - 10 cm) 5% smoky grey quartz quartz-ankerite infilled fractures 50°					
		0.5-10 cm white and grey quartz-ankerite veins					
111.00	112.50	Py00.1	111.00	112.50	Q285438	1.50	<0.005
		Pyrite 0.1%					
		traces					
112.50	114.00	Py00.1	112.50	114.00	Q285439	1.50	<0.005
		Pyrite 0.1%					
		traces					
114.00	115.50	Py00.1	114.00	115.50	Q285440	1.50	<0.005
		Pyrite 0.1%					
		traces					
115.50	117.00	Py00.1	115.50	117.00	Q285441	1.50	0.007
		Pyrite 0.1%					
		traces					
117.00	118.50	Py00.1	117.00	118.50	Q285442	1.50	0.016
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
118.50	120.00	Py00.1 **Pyrite 0.1%** traces	118.50	120.00	Q285443	1.50	0.007
120.00	121.50	Py00.1 **Pyrite 0.1%** traces	120.00	121.50	Q285444	1.50	0.014
121.50	123.00	Py00.1 **Pyrite 0.1%** traces	121.50	123.00	Q285445	1.50	1.2
123.00	124.50	Py00.1 **Pyrite 0.1%** traces	123.00	124.50	Q285446	1.50	0.014
124.50	126.00	Py00.1 **Pyrite 0.1%** traces					
124.50	126.00	Vm;20%;Qak Sgq;In;60°;; **major vein (10 cm or greater) 20% quartz-ankerite smoky grey quartz infilled fractures** **60°** smokey grey quartz ankerite veins 2- 40 cm	124.50	126.00	Q285447	1.50	0.011
126.00	127.50	Py00.1 **Pyrite 0.1%** traces					
126.00	136.80	Vm;5%;Sgq;In;70°;; **major vein (10 cm or greater) 5% smoky grey quartz infilled fractures 70°** Smoky grey quartz-ankerite veins 0.5-12 cm 60-80 DTCA	126.00	127.50	Q285448	1.50	<0.005
127.50	129.00	Py00.1 **Pyrite 0.1%** traces	127.50	129.00	Q285449	1.50	<0.005
129.00	130.50	Py00.1 **Pyrite 0.1%** traces	129.00	130.50	Q285452	1.50	<0.005
130.50	132.00	Py00.1 **Pyrite 0.1%** traces	130.50	132.00	Q285453	1.50	<0.005
132.00	133.50	Py00.1 **Pyrite 0.1%** traces	132.00	133.50	Q285454	1.50	<0.005
133.50	135.00	Py00.1 **Pyrite 0.1%** traces	133.50	135.00	Q285455	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
135.00	136.50	Py00.1 **Pyrite 0.1%** traces	135.00	136.50	Q285456	1.50	<0.005
136.50	138.00	Py00.1 **Pyrite 0.1%** traces	136.50	138.00	Q285457	1.50	<0.005
138.00	139.50	Py00.1 **Pyrite 0.1%** traces	138.00	139.50	Q285458	1.50	<0.005
139.50	141.00	Py00.1 **Pyrite 0.1%** traces	139.50	141.00	Q285459	1.50	<0.005
141.00	142.50	Py00.1 **Pyrite 0.1%** traces	141.00	142.50	Q285460	1.50	0.009
142.50	144.00	Py00.1 **Pyrite 0.1%** traces	142.50	144.00	Q285461	1.50	0.005
144.00	145.50	Py00.1 **Pyrite 0.1%** traces	144.00	145.50	Q285462	1.50	<0.005
145.50	147.00	Py00.1 **Pyrite 0.1%** traces	145.50	147.00	Q285463	1.50	<0.005
147.00	148.50	Py00.1 **Pyrite 0.1%** traces	147.00	148.50	Q285464	1.50	<0.005
148.50	150.00	Py00.1 **Pyrite 0.1%** traces	148.50	150.00	Q285465	1.50	0.005
150.00	151.50	Py00.1 **Pyrite 0.1%** traces	150.00	151.50	Q285466	1.50	0.007
151.50	153.00	Py00.1 **Pyrite 0.1%** traces	151.50	153.00	Q285467	1.50	<0.005
153.00	154.50	Py00.1 **Pyrite 0.1%** traces	153.00	154.50	Q285468	1.50	<0.005
154.50	156.00	Py00.1	154.50	156.00	Q285469	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
154.80	156.00	Vn;3%;Sgq Ak;In;40°;;					
		vein (5 mm - 10 cm) 3% smoky grey quartz ankerite infilled fractures 40°					
		smoky grey quartz ankerite veins 3-5 cm					
156.00	157.50	Py00.1	156.00	157.50	Q285470	1.50	<0.005
		Pyrite 0.1%					
		traces					
157.50	159.00	Py00.1	157.50	159.00	Q285471	1.50	<0.005
		Pyrite 0.1%					
		traces					
159.00	160.50	Py00.1	159.00	160.50	Q285472	1.50	<0.005
		Pyrite 0.1%					
		traces					
159.50	170.50	Vn;5%;Sgq Ak;In;50°;;					
		vein (5 mm - 10 cm) 5% smoky grey quartz ankerite infilled fractures 50°					
		smoky grey quart- ankerite veins 1-10 cm 30-70 DTCA					
160.50	162.00	Py00.1	160.50	162.00	Q285473	1.50	<0.005
		Pyrite 0.1%					
		traces					
162.00	162.50	FAZ; Gg					
		Fault Zone 50°; Fault gouge					
		Micro fault with chloritic gouge					
162.00	163.50	Py00.1	162.00	163.50	Q285474	1.50	<0.005
		Pyrite 0.1%					
		traces					
162.50	242.00	Fln; Crn; DZ					
		Foliation 50°; Crenulation; Deformation Zone					
		moderate to strong foliationfoliation 40-60 DTCA, localized crenulation.					
163.50	165.00	Py00.1	163.50	165.00	Q285477	1.50	0.006
		Pyrite 0.1%					
		traces					
165.00	166.50	Py00.1	165.00	166.50	Q285478	1.50	<0.005
		Pyrite 0.1%					
		traces					
166.50	168.00	Py00.1	166.50	168.00	Q285479	1.50	<0.005
		Pyrite 0.1%					
		traces					
168.00	169.50	Py00.1	168.00	169.50	Q285480	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
169.50	171.00	Py00.1	169.50	171.00	Q285481	1.50	<0.005
		Pyrite 0.1%					
		traces					
171.00	172.50	Py00.1	171.00	172.50	Q285482	1.50	<0.005
		Pyrite 0.1%					
		traces					
172.50	174.00	Py00.1	172.50	174.00	Q285483	1.50	<0.005
		Pyrite 0.1%					
		traces					
174.00	175.50	Py00.1	174.00	175.50	Q285484	1.50	<0.005
		Pyrite 0.1%					
		traces					
175.50	177.00	Py00.1	175.50	177.00	Q285485	1.50	<0.005
		Pyrite 0.1%					
		traces					
177.00	178.50	Py00.1	177.00	178.50	Q285486	1.50	<0.005
		Pyrite 0.1%					
		traces					
178.50	180.00	Py00.1					
		Pyrite 0.1%					
		traces					
178.50	180.50	Vn;3%;Qak;In;50°;;	178.50	180.00	Q285487	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°					
		quartz-ankerite 0.5-3 cm quartz ankerite veins					
180.00	199.90	Cl03; Ank02; Ca02; Se01	180.00	181.50	Q285488	1.50	<0.005
		Chlorite 3; Ankerite 2; Calcite 2; Sericite 1					
		intense pervasive chlorite, moderate pervasive ankerite, spotty moderate to strong calcite locally as veinlets					
180.00	181.50	Py00.1					
		Pyrite 0.1%					
		traces					
181.50	183.00	Py00.1	181.50	183.00	Q285489	1.50	<0.005
		Pyrite 0.1%					
		traces					
183.00	184.50	Py00.1	183.00	184.50	Q285490	1.50	<0.005
		Pyrite 0.1%					
		traces					
183.40	188.30	Vm;10%;Sgq Ak;In;50°;;					
		major vein (10 cm or greater) 10% smoky grey quartz ankerite infilled fractures 50°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		smoky grey quartz ankerite veins 10-25 cm 50-80 DTCA					
184.50	186.00	Py00.1	184.50	186.00	Q285491	1.50	<0.005
		Pyrite 0.1%					
		traces					
186.00	187.50	Py00.1	186.00	187.50	Q285492	1.50	0.006
		Pyrite 0.1%					
		traces					
187.50	189.00	Py00.1	187.50	189.00	Q285493	1.50	<0.005
		Pyrite 0.1%					
		traces					
189.00	190.50	Py00.1	189.00	190.50	Q285494	1.50	<0.005
		Pyrite 0.1%					
		traces					
190.50	192.00	Py00.1	190.50	192.00	Q285495	1.50	<0.005
		Pyrite 0.1%					
		traces					
192.00	193.50	Py00.1	192.00	193.50	Q285496	1.50	<0.005
		Pyrite 0.1%					
		traces					
193.50	195.00	Py00.1	193.50	195.00	Q285497	1.50	<0.005
		Pyrite 0.1%					
		traces					
195.00	196.50	Py00.1	195.00	196.50	Q285498	1.50	<0.005
		Pyrite 0.1%					
		traces					
196.50	198.00	Py00.1	196.50	198.00	Q285499	1.50	<0.005
		Pyrite 0.1%					
		traces					
197.90	202.00	Vn;2%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 70°					
		Infilled quartz ankerite veins 0.5-4cm 60-80 DTCA.					
198.00	199.50	Py00.1	198.00	199.50	Q285502	1.50	<0.005
		Pyrite 0.1%					
		traces					
199.50	201.00	Py00.1	199.50	201.00	Q285503	1.50	<0.005
		Pyrite 0.1%					
		traces					
199.90	216.00	Cl03; Ank02; K01; Ca01					
		Chlorite 3; Ankerite 2; Potassic 1; Calcite 1					
		Pervasive dark green chlorite, moderate pervasive ankerite, spotty weak-moderate calcite, weak					

Description			Assay				
			From	To	Sample number	Length	AuBest
		localized potassic					
201.00	202.50	Py00.1	201.00	202.50	Q285504	1.50	<0.005
		Pyrite 0.1%					
		traces					
202.50	204.00	Py00.1	202.50	204.00	Q285505	1.50	<0.005
		Pyrite 0.1%					
		traces					
204.00	205.50	Py00.1	204.00	205.50	Q285506	1.50	<0.005
		Pyrite 0.1%					
		traces					
205.50	207.00	Py00.1	205.50	207.00	Q285507	1.50	<0.005
		Pyrite 0.1%					
		traces					
206.70	211.90	Vn;3%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°					
		Infilled quartz ankerite veins 0.5-8cm 60-70 DTCA.					
207.00	208.50	Py00.1	207.00	208.50	Q285508	1.50	<0.005
		Pyrite 0.1%					
		traces					
208.50	210.00	Py00.1	208.50	210.00	Q285509	1.50	<0.005
		Pyrite 0.1%					
		traces					
210.00	211.50	Py00.1	210.00	211.50	Q285510	1.50	<0.005
		Pyrite 0.1%					
		traces					
211.50	213.00	Py00.1	211.50	213.00	Q285511	1.50	<0.005
		Pyrite 0.1%					
		traces					
213.00	214.50	Py00.1	213.00	214.50	Q285512	1.50	<0.005
		Pyrite 0.1%					
		traces					
214.50	216.00	Py00.1	214.50	216.00	Q285513	1.50	<0.005
		Pyrite 0.1%					
		traces					
216.00	242.00	Cl03; Ank02; Se02; Ca	216.00	217.50	Q285514	1.50	<0.005
		Chlorite 3; Ankerite 2; Sericite 2; Calcite					
		Strong pervasive green chlorite, moderate ankerite-sericite,					
		spotty weak calccite					
216.00	217.50	Py00.1					
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
217.50	219.00	Py00.1	217.50	219.00	Q285515	1.50	<0.005
		Pyrite 0.1%					
		traces					
219.00	220.50	Py00.1					
		Pyrite 0.1%					
		traces					
219.00	221.00	Vn;3%;Qak;In;50°;;	219.00	220.50	Q285516	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°					
		pinkish Infilled quartz ankerite veins 0.5-4cm 60-80 DTCA.					
220.50	222.00	Py00.1	220.50	222.00	Q285517	1.50	0.005
		Pyrite 0.1%					
		traces					
222.00	223.50	Py00.1	222.00	223.50	Q285518	1.50	0.01
		Pyrite 0.1%					
		traces					
223.50	225.00	Py00.1	223.50	225.00	Q285519	1.50	0.008
		Pyrite 0.1%					
		traces					
225.00	226.50	Py00.1	225.00	226.50	Q285520	1.50	0.017
		Pyrite 0.1%					
		traces					
226.50	228.00	Py00.1	226.50	228.00	Q285521	1.50	0.008
		Pyrite 0.1%					
		traces					
227.50	234.10	Vn;3%;Qak Sgq;In;40°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite smoky grey quartz infilled fractures 40°					
		smoky grey- quartz-ankerite veins 2-5 cm 40-60 DTCA.					
228.00	229.50	Py00.1	228.00	229.50	Q285522	1.50	<0.005
		Pyrite 0.1%					
		traces					
229.50	231.00	Py00.1	229.50	231.00	Q285523	1.50	0.024
		Pyrite 0.1%					
		traces					
231.00	232.50	Py00.1	231.00	232.50	Q285524	1.50	0.022
		Pyrite 0.1%					
		traces					
232.50	234.00	Py00.1	232.50	234.00	Q285527	1.50	0.006
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
234.00	235.50	Py00.1 **Pyrite 0.1%** traces	234.00	235.50	Q285528	1.50	0.005
235.50	237.00	Py00.1 **Pyrite 0.1%** traces					
235.50	241.90	Vn;5%;Sgq Qak;In;40°;; **vein (5 mm - 10 cm) 5% smoky grey quartz quartz-ankerite infilled fractures 40°** smoky grey quartz-ankerite 1-12 cm 30-60 DTCA.	235.50	237.00	Q285529	1.50	0.007
237.00	238.50	Py00.1 **Pyrite 0.1%** traces	237.00	238.50	Q285530	1.50	<0.005
238.50	240.00	Py00.1 **Pyrite 0.1%** traces	238.50	240.00	Q285531	1.50	<0.005
240.00	241.50	Py00.1 **Pyrite 0.1%** traces	240.00	241.50	Q285532	1.50	0.006
241.50	243.00	Py00.1 **Pyrite 0.1%** traces	241.50	243.00	Q285533	1.50	0.022
242.00	251.45	V4; Mass **Trachyte 70°; Massive** Dark grey, fine grained trachyte, with calcite infilled some fractures, localized laminations, the entire unit is non is non magnetic, intersect by late quartz-calcite veins. Altered to dark chlorite spotty moderate calcite weak spotty ankerite. Traces of fine grained pyrite.					
242.00	251.90	Cl03; Ca02; K01; Ank01 **Chlorite 3; Calcite 2; Potassic 1; Ankerite 1** Strong pervasive dark chlorite, moderate spotty calcite, weak spotty ankerite and potassic alteration.					
243.00	244.50	Py00.1 **Pyrite 0.1%** traces	243.00	244.50	Q285534	1.50	<0.005
244.50	246.00	Py00.1 **Pyrite 0.1%** traces	244.50	246.00	Q285535	1.50	<0.005
246.00	247.50	Py00.1 **Pyrite 0.1%** traces	246.00	247.50	Q285536	1.50	<0.005
247.50	249.00	Py00.1 **Pyrite 0.1%**	247.50	249.00	Q285537	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
249.00	250.50	Py00.1	249.00	250.50	Q285538	1.50	<0.005
		Pyrite 0.1%					
		traces					
250.50	252.00	Py00.1	250.50	252.00	Q285539	1.50	<0.005
		Pyrite 0.1%					
		traces					
251.45	387.00	V4; LapTuff; Fol					
		Trachyte 80°; LAPILLI TUFF/AGGLOMERATE; Foliated					
		Lightly green fine grained with stretched lapilli foliated at 40-50 DTCA. The unit is laminated and banded with localized ductile deformations in the segregated white and green layers 0.5-2 cm layers, some C-S deformation with localized crenulations. It's intersect by infilled quartz ankerite veins and veinlets 0.5-40 cm @ 50-70 DTCA. Localized foliation controlled sericitic alteration. The unit is altered to moderate chlorite and ankerite, spotty calcite or calcite in the random veins and veinlets. The unit is intersect by late quartz ankerite veins 0.5-10 cm 30-60 DTCA. It's moderately magnetic. Generally trace of pyrite, traces of chalcopyte @ 306-307.5 m, specularite @ 375-376.6 m.					
251.45	333.00	Fln; Crn; DZ					
		Foliation 40°; Crenulation; Deformation Zone					
		moderate to strong foliation associate to moderate to strong ductile deformation, C-S structure.					
251.90	261.00	Cl03; Ank02; Se02; Ca01					
		Chlorite 3; Ankerite 2; Sericite 2; Calcite 1					
		Strong pervasive chlorite Moderate pervasive ankerite and sericite locally // foliation 40-60 DTCA,					
252.00	253.50	Py00.1	252.00	253.50	Q285540	1.50	0.007
		Pyrite 0.1%					
		traces					
253.50	255.00	Py00.1					
		Pyrite 0.1%					
		traces					
253.50	256.00	Vm;15%;Qak;In;50°;;	253.50	255.00	Q285541	1.50	<0.005
		major vein (10 cm or greater) 15% quartz-ankerite infilled fractures 50°					
		quartz-ankerite veins 2-20 cm					
255.00	256.50	Py00.1	255.00	256.50	Q285542	1.50	<0.005
		Pyrite 0.1%					
		traces					
256.50	258.00	Py00.1	256.50	258.00	Q285543	1.50	0.006
		Pyrite 0.1%					
		traces					
258.00	259.50	Py00.1	258.00	259.50	Q285544	1.50	0.009
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
259.50	261.00	Py00.1 **Pyrite 0.1%** traces	259.50	261.00	Q285545	1.50	0.013
261.00	316.50	Ank03; Cl03; Se02; K01 **Ankerite 3; Chlorite 3; Sericite 2; Potassic 1** Strong pervasive ankerite-chlorite, moderate sericite as stringers veinlets // foliation or in deformation zone. weak spotty sericite	261.00	262.50	Q285546	1.50	0.018
261.00	262.50	Py00.1 **Pyrite 0.1%** traces					
262.50	264.00	Py00.1 **Pyrite 0.1%** traces of pyrite	262.50	264.00	Q285547	1.50	0.017
264.00	265.50	Py00.1 **Pyrite 0.1%** traces of pyrite	264.00	265.50	Q285548	1.50	0.02
265.50	267.00	Py00.1 **Pyrite 0.1%** traces of pyrite	265.50	267.00	Q285549	1.50	0.012
266.00	273.60	Vn;5%;Sgq Ak;In;40°;; **vein (5 mm - 10 cm) 5% smoky grey quartz ankerite infilled fractures 40°** smoky grey quart- ankerite infilled 2-12 cm and floodin quartz ankerite veins					
267.00	268.50	Py00.1 **Pyrite 0.1%** traces of pyrite	267.00	268.50	Q285552	1.50	0.018
268.50	270.00	Py00.1 **Pyrite 0.1%** traces of pyrite	268.50	270.00	Q285553	1.50	0.008
270.00	271.50	Py00.1 **Pyrite 0.1%** traces of pyrite	270.00	271.50	Q285554	1.50	<0.005
271.50	273.00	Py00.1 **Pyrite 0.1%** traces of pyrite	271.50	273.00	Q285555	1.50	0.007
273.00	274.50	Py00.1 **Pyrite 0.1%** traces of pyrite	273.00	274.50	Q285556	1.50	0.013
274.50	276.00	Py00.1 **Pyrite 0.1%** traces of pyrite	274.50	276.00	Q285557	1.50	0.017

Description			Assay				
			From	To	Sample number	Length	AuBest
276.00	277.50	Py00.1 **Pyrite 0.1%** traces of pyrite	276.00	277.50	Q285558	1.50	0.016
277.50	279.00	Py00.1 **Pyrite 0.1%** traces of pyrite	277.50	279.00	Q285559	1.50	0.016
279.00	280.50	Py00.1 **Pyrite 0.1%** traces of pyrite	279.00	280.50	Q285560	1.50	0.012
280.50	282.00	Py00.1 **Pyrite 0.1%** traces of pyrite	280.50	282.00	Q285561	1.50	0.008
282.00	283.50	Py00.1 **Pyrite 0.1%** traces of pyrite	282.00	283.50	Q285562	1.50	0.006
283.50	285.00	Py00.1 **Pyrite 0.1%** traces of pyrite	283.50	285.00	Q285563	1.50	0.005
285.00	286.50	Py00.1 **Pyrite 0.1%** traces of pyrite	285.00	286.50	Q285564	1.50	0.013
286.50	288.00	Py00.1 **Pyrite 0.1%** traces of pyrite	286.50	288.00	Q285565	1.50	0.013
288.00	289.50	Py00.1 **Pyrite 0.1%** traces of pyrite	288.00	289.50	Q285566	1.50	0.006
289.50	291.00	Py00.1 **Pyrite 0.1%** traces of pyrite	289.50	291.00	Q285567	1.50	0.008
291.00	292.50	Py00.1 **Pyrite 0.1%** traces of pyrite	291.00	292.50	Q285568	1.50	0.013
292.50	294.00	Py00.1 **Pyrite 0.1%** traces of pyrite	292.50	294.00	Q285569	1.50	0.012
294.00	295.50	Py00.1 **Pyrite 0.1%** traces of pyrite	294.00	295.50	Q285570	1.50	0.014
295.50	297.00	Py00.1	295.50	297.00	Q285571	1.50	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
297.00	298.50	Py00.1	297.00	298.50	Q285572	1.50	0.014
		Pyrite 0.1%					
		traces of pyrite					
298.50	300.00	Py00.1	298.50	300.00	Q285573	1.50	0.013
		Pyrite 0.1%					
		traces of pyrite					
300.00	301.50	Py00.1	300.00	301.50	Q285574	1.50	0.019
		Pyrite 0.1%					
		traces of pyrite					
301.50	303.00	Py00.1	301.50	303.00	Q285577	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
303.00	304.50	Py00.1	303.00	304.50	Q285578	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
304.50	306.00	Cp00.2; Py00.1	304.50	306.00	Q285579	1.50	<0.005
		Chalcopyrite 0.2%; Pyrite 0.1%					
		chalcopyrite in veins, traces of pyrite					
306.00	307.50	Py00.1	306.00	307.50	Q285580	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
307.50	309.00	Py00.1	307.50	309.00	Q285581	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
309.00	310.50	Py00.1	309.00	310.50	Q285582	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
310.50	312.00	Py00.1	310.50	312.00	Q285583	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
312.00	313.50	Py00.1	312.00	313.50	Q285584	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
313.50	315.00	Py00.1	313.50	315.00	Q285585	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
315.00	316.50	Py00.1	315.00	316.50	Q285586	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
316.50	330.00	Ca03; Cl03	316.50	318.00	Q285587	1.50	<0.005
		Calcite 3; Chlorite 3					
		oderate to strong calcite chlorite alteration,					
316.50	318.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
318.00	319.50	Py00.1	318.00	319.50	Q285588	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
319.50	321.00	Py00.1	319.50	321.00	Q285589	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
321.00	322.50	Py00.1	321.00	322.50	Q285590	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
322.50	324.00	Py00.1	322.50	324.00	Q285591	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
324.00	325.50	Py00.1	324.00	325.50	Q285592	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
325.50	327.00	Py00.1	325.50	327.00	Q285593	1.50	0.01
		Pyrite 0.1%					
		traces of pyrite					
327.00	328.50	Py00.1	327.00	328.50	Q285594	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
328.50	330.00	Py00.1	328.50	330.00	Q285595	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
330.00	346.50	Cl03; Ank02; Ca01	330.00	331.50	Q285596	1.50	<0.005
		Chlorite 3; Ankerite 2; Calcite 1					
		Moderate to strong chlorite, moderate ankerite, calcite in random stringers veinlets.					
330.00	331.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
331.50	333.00	Py00.1	331.50	333.00	Q285597	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
332.80	333.20	Vn;50%;Qak;In;80°;;					
		vein (5 mm - 10 cm) 50% quartz-ankerite infilled fractures 80°					
		10 cm pinkish quartz ankerite veins 80 DTCA					
333.00	334.90	Fln; DZ	333.00	334.50	Q285598	1.50	<0.005
		Foliation 5°; Deformation Zone					
		moderate foliation //CA, with boudinage.					
333.00	334.50	Pyo,1					
		Pyrite o,1					
		traces of pyrite					
334.50	336.00	Py00.1	334.50	336.00	Q285599	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
334.90	379.50	Fln					
		Foliation 50°					
		moderate pervasive foliation					
336.00	337.50	Py00.1	336.00	337.50	Q285602	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
337.50	339.00	Py00.1	337.50	339.00	Q285603	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
339.00	340.50	Py0.;1	339.00	340.50	Q285604	1.50	0.008
		Pyrite 0.;1					
		traces of pyrite					
340.50	342.00	Py00.1	340.50	342.00	Q285605	1.50	0.01
		Pyrite 0.1%					
		traces of pyrite					
342.00	343.50	Py00.1	342.00	343.50	Q285606	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
343.50	345.00	Py00.1	343.50	345.00	Q285607	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
345.00	346.50	Py01	345.00	346.50	Q285608	1.50	<0.005
		Pyrite 1%					
		traces of pyrite					
346.50	387.00	Ank03; Cl03; Se01; He01	346.50	348.00	Q285609	1.50	0.006
		Ankerite 3; Chlorite 3; Sericite 1; Hematite 1					
		strong pervasive ankerite chlorite alteration, weak sericite,					
		random weak specularite stringers					

Description			Assay				
			From	To	Sample number	Length	AuBest
346.50	348.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
348.00	349.50	Py00.1	348.00	349.50	Q285610	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
349.50	351.00	Py00.1	349.50	351.00	Q285611	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
351.00	352.50	Py00.1	351.00	352.50	Q285612	1.50	0.019
		Pyrite 0.1%					
		traces of pyrite					
351.90	352.10	Vm;90%;Qak;In;60°;;					
		major vein (10 cm or greater) 90% quartz-ankerite infilled fractures 60°					
		27 cm quartz-ankerite and sericite veinlet					
352.50	354.00	Py00.1	352.50	354.00	Q285613	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
354.00	355.50	Py00.1	354.00	355.50	Q285614	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
355.50	357.00	Py00.1	355.50	357.00	Q285615	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
356.60	360.10	Vm;60%;Sgq;;70°;;					
		major vein (10 cm or greater) 60% smoky grey quartz 70°					
		4cm-20-90 cm quartz ankerite with patchy sericite and chlorite					
357.00	358.50	Py00.1	357.00	358.50	Q285616	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
358.50	360.00	Py00.1	358.50	360.00	Q285617	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
360.00	361.50	Py00.1	360.00	361.50	Q285618	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
361.50	363.00	Py00.1	361.50	363.00	Q285619	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
363.00	364.50	Py00.1	363.00	364.50	Q285620	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
364.50	366.00	Py00.1	364.50	366.00	Q285621	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
366.00	367.50	Py00.1	366.00	367.50	Q285622	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
367.50	369.00	Py00.1	367.50	369.00	Q285623	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
369.00	370.50	Py00.1	369.00	370.50	Q285624	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
370.50	372.00	Py00.1	370.50	372.00	Q285627	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
372.00	373.50	Py00.1	372.00	373.50	Q285628	1.50	0.015
		Pyrite 0.1%					
		traces of pyrite					
373.50	375.00	Py00.1; Hem00.1	373.50	375.00	Q285629	1.50	0.017
		Pyrite 0.1%; SPECULARITE 0.1%					
		traces of pyrite, traces of specularite stringers					
375.00	376.50	Py00.1	375.00	376.50	Q285630	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
376.50	378.00	Py00.1	376.50	378.00	Q285631	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
378.00	379.50	Py00.1	378.00	379.50	Q285632	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
379.50	381.00	Fln					
		Foliation 5°					
		Moderate foliation sub // CA					
379.50	381.00	Py00.1	379.50	381.00	Q285633	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
381.00	426.20	Fln	381.00	382.50	Q285634	1.50	0.006
		Foliation 40°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		weak to moderate foliation 30-50 DTCA					
381.00	382.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
382.50	384.00	Py00.2	382.50	384.00	Q285635	1.50	0.009
		Pyrite 0.2%					
		traces of pyrite					
384.00	385.50	Py00.2	384.00	385.50	Q285636	1.50	0.011
		Pyrite 0.2%					
		traces of pyrite					
385.50	387.00	Py00.2	385.50	387.00	Q285637	1.50	0.007
		Pyrite 0.2%					
		traces of pyrite					
387.00	460.50	V4; Tuff; Pyro	387.00	388.50	Q285638	1.50	0.01
		Trachyte 50°; TUFF; PYROCLASTIC					
		Light green trachyte tuff with 10-15% rounded and elongated fragments (0.2-6 cm) clast or pomice locally with translucent crystal. the unit is altered to moderate to strong ankerite, moderate chlorite, spotty potassic, and weak sericite. It's spotty magnetic with traces to 0.5% of fine grained pyrite.					
387.00	412.50	Ank02; Cl02; K02					
		Ankerite 2; Chlorite 2; Potassic 2					
		Moderate pervasive ankerite-chlorite alteration, spotty potassic alteration in the clast and pomice.					
387.00	388.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
388.50	390.00	Py00.1	388.50	390.00	Q285639	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
390.00	391.50	Py00.2	390.00	391.50	Q285640	1.50	0.007
		Pyrite 0.2%					
		traces of pyrite					
391.50	393.00	Py00.2	391.50	393.00	Q285641	1.50	0.007
		Pyrite 0.2%					
		traces of pyrite					
393.00	394.50	Py00.2	393.00	394.50	Q285642	1.50	0.008
		Pyrite 0.2%					
		traces of pyrite					
394.50	396.00	Py00.2	394.50	396.00	Q285643	1.50	0.008
		Pyrite 0.2%					
		traces of pyrite					
396.00	397.50	Py00.5; Py	396.00	397.50	Q285644	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%; Pyrite					
		traces of pyrite					
397.50	399.00	Py00.1	397.50	399.00	Q285645	1.50	0.01
		Pyrite 0.1%					
		traces of pyrite					
399.00	400.50	Py00.1	399.00	400.50	Q285646	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
400.50	402.00	Py00.1	400.50	402.00	Q285647	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
402.00	403.50	Py00.1	402.00	403.50	Q285648	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
403.50	405.00	Py00.1	403.50	405.00	Q285649	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
405.00	406.50	Py00.1	405.00	406.50	Q285652	1.50	0.021
		Pyrite 0.1%					
		traces of pyrite					
406.50	408.00	Py00.1	406.50	408.00	Q285653	1.50	0.01
		Pyrite 0.1%					
		traces of pyrite					
408.00	409.50	Py00.1	408.00	409.50	Q285654	1.50	0.014
		Pyrite 0.1%					
		traces of pyrite					
409.50	411.00	Py00.1	409.50	411.00	Q285655	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
411.00	412.50	Py00.1	411.00	412.50	Q285656	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
412.50	459.00	Ank03; Cl02; Se02; K01	412.50	414.00	Q285657	1.50	0.013
		Ankerite 3; Chlorite 2; Sericite 2; Potassic 1					
		Strong pervasive ankerite, moderate pervasive chlorite-sericite, spotty weak potassic					
412.50	414.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
414.00	415.50	Py00.1	414.00	415.50	Q285658	1.50	0.011
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
415.50	417.00	Py00.1	415.50	417.00	Q285659	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
417.00	418.50	Py00.1	417.00	418.50	Q285660	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
418.50	420.00	Py00.1	418.50	420.00	Q285661	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
420.00	421.50	Py00.1	420.00	421.50	Q285662	1.50	0.02
		Pyrite 0.1%					
		traces of pyrite					
421.50	423.00	Py00.1	421.50	423.00	Q285663	1.50	0.013
		Pyrite 0.1%					
		traces of pyrite					
423.00	424.50	Py00.1	423.00	424.50	Q285664	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
424.50	426.00	Py00.1	424.50	426.00	Q285665	1.50	0.011
		Pyrite 0.1%					
		traces of pyrite					
426.00	427.50	Py00.1	426.00	427.50	Q285666	1.50	0.01
		Pyrite 0.1%					
		traces of pyrite					
426.20	433.50	Fln					
		Foliation 40°					
		weak pervasive foliation					
427.50	429.00	Py00.1	427.50	429.00	Q285667	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
429.00	430.50	Py00.1	429.00	430.50	Q285668	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
430.50	432.00	Py00.1	430.50	432.00	Q285669	1.50	0.011
		Pyrite 0.1%					
		traces of pyrite					
432.00	433.50	Py00.1	432.00	433.50	Q285670	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
433.50	442.50	Fln; DZ	433.50	435.00	Q285671	1.50	0.009
		Foliation 5°; Deformation Zone					
		moderate to weak foliation, boudinage					
433.50	435.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
435.00	436.50	Py00.1	435.00	436.50	Q285672	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
436.50	438.00	Py00.1	436.50	438.00	Q285673	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
437.00	439.50	Vn;20%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 20% quartz-ankerite infilled fractures 40°					
		2-12 cm quartz- ankerite veins					
438.00	439.50	Py00.1	438.00	439.50	Q285674	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
439.50	441.00	Py00.1	439.50	441.00	Q285677	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
441.00	442.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
441.00	442.60	Vn;2%;Qak;Fl;;;	441.00	442.50	Q285678	1.50	0.01
		vein (5 mm - 10 cm) 2% quartz-ankerite flooding					
		Flooding quartz ankerite veins.					
442.50	458.80	Fln	442.50	444.00	Q285679	1.50	0.007
		Foliation 40°					
		weak foliation					
442.50	444.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
443.00	443.40	Vm;80%;Sgq Qak;In;40°;;					
		major vein (10 cm or greater) 80% smoky grey quartz quartz-ankerite infilled fractures 40°					
		smoky grey quartz-ankerite with chlorite					
443.40	450.00	Vn;5%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60°					
		infilled fractures, quartz-ankerite veins					

Description			Assay				
			From	To	Sample number	Length	AuBest
444.00	445.50	Py00.1	444.00	445.50	Q285680	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
445.50	447.00	Py00.1	445.50	447.00	Q285681	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
447.00	448.50	Py00.1	447.00	448.50	Q285682	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
448.50	450.00	Py00.1	448.50	450.00	Q285683	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
450.00	451.50	Py00.1	450.00	451.50	Q285684	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
451.50	453.00	Py00.1	451.50	453.00	Q285685	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
453.00	454.50	Py00.1	453.00	454.50	Q285686	1.50	0.023
		Pyrite 0.1%					
		traces of pyrite					
454.50	456.00	Py00.1	454.50	456.00	Q285687	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
456.00	457.50	Py00.1	456.00	457.50	Q285688	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
457.50	459.00	Py00.1	457.50	459.00	Q285689	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
458.80	467.00	Fln					
		Foliation 60°					
		moderate pervasive foliation					
459.00	467.00	Ank03; Cl03	459.00	460.50	Q285690	1.50	0.012
		Ankerite 3; Chlorite 3					
		strong pervasive ankerite chlorite					
459.00	460.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
460.50	495.30	V4; LapTuff; Pyro	460.50	462.00	Q285691	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte; LAPILLI TUFF/AGGLOMERATE; PYROCLASTIC Green fine grained Trachyte tuff, laminations and moderate to weak foliation 50-70 DTCA, alterning chlorite and quartz ankerite layers with strong pervasive ankerite-chlorite alteration, moderate, strongly magnetic with magnetite crystals disseminated, localized crenulations, the unit is intersect by quartz ankerite veins. Generally trace of pyrite. Gradational upper contact. From 470-487.50 m pyroclastic with pomice elongated.					
460.50	462.00	Py00.1 **Pyrite 0.1%** traces of pyrite					
462.00	463.50	Py00.1 **Pyrite 0.1%** traces of pyrite	462.00	463.50	Q285692	1.50	0.011
463.50	465.00	Py00.1 **Pyrite 0.1%** traces of pyrite	463.50	465.00	Q285693	1.50	0.011
465.00	466.50	Py00.1 **Pyrite 0.1%** traces of pyrite	465.00	466.50	Q285694	1.50	0.018
466.50	468.00	Py00.1 **Pyrite 0.1%** traces of pyrite	466.50	468.00	Q285695	1.50	0.009
467.00	489.00	Cl03; Ca02; Ank02; K01 **Chlorite 3; Calcite 2; Ankerite 2; Potassic 1** Strong pervasive chlorite alteration, moderate to strong intermittant calcite locally infilled fractures, weak to moderate pervasive ankerite, spotty potassic.					
467.00	474.20	Fln; Crn; DZ **Foliation 60°; Crenulation; Deformation Zone** Weak to moderate foliation, crenulation and boubinage.					
468.00	469.50	Py00.1 **Pyrite 0.1%** traces	468.00	469.50	Q285696	1.50	0.01
469.50	471.00	Py00.1 **Pyrite 0.1%** traces of Pyrite	469.50	471.00	Q285697	1.50	0.01
471.00	472.50	Py00.1 **Pyrite 0.1%** traces of Pyrite	471.00	472.50	Q285698	1.50	0.007
472.50	474.00	Py00.1	472.50	474.00	Q285699	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of Pyrite					
474.00	475.50	Py00.1					
		Pyrite 0.1%					
		traces of Pyrite					
474.00	475.95	Vn;5%;Sgq Qak;In;50°;;	474.00	475.50	Q285702	1.50	0.005
		vein (5 mm - 10 cm) 5% smoky grey quartz quartz-ankerite infilled fractures 50°					
		smoky grey quartz-ankerite 1-8 cm and flooding quartz veins.					
474.20	475.30	Fln					
		Foliation 70°					
		moderate pervasivefoliation					
475.30	475.46	Gg					
		Fault gouge 50°					
		chloritic fault gouge					
475.46	495.00	Fln					
		Foliation 70°					
		moderate foliation 60-80 DTCA					
475.50	477.00	Py00.1	475.50	477.00	Q285703	1.50	0.006
		Pyrite 0.1%					
		traces of Pyrite					
477.00	478.50	Py00.1	477.00	478.50	Q285704	1.50	0.007
		Pyrite 0.1%					
		traces of Pyrite					
478.50	480.00	Py00.1	478.50	480.00	Q285705	1.50	<0.005
		Pyrite 0.1%					
		traces of Pyrite					
480.00	481.50	Py00.1	480.00	481.50	Q285706	1.50	<0.005
		Pyrite 0.1%					
		traces of Pyrite					
481.50	483.00	Py00.1; Cp00.1	481.50	483.00	Q285707	1.50	0.008
		Pyrite 0.1%; Chalcopyrite 0.1%					
		traces of Pyrite, Chalcopyrite veinlets.					
483.00	484.50	Py00.1	483.00	484.50	Q285708	1.50	<0.005
		Pyrite 0.1%					
		traces of Pyrite					
484.50	486.00	Py00.1	484.50	486.00	Q285709	1.50	<0.005
		Pyrite 0.1%					
		traces of Pyrite					
486.00	487.50	Py00.1	486.00	487.50	Q285710	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of Pyrite					
487.50	489.00	Py00.1	487.50	489.00	Q285711	1.50	<0.005
		Pyrite 0.1%					
		traces of Pyrite					
489.00	495.30	Cl03; Ank02	489.00	490.50	Q285712	1.50	<0.005
		Chlorite 3; Ankerite 2					
		Pervasive strong chlorite, moderate pervasive ankerite.					
489.00	490.50	Py00.1					
		Pyrite 0.1%					
		traces of Pyrite					
489.00	490.50	Vt;5%;Ak;In;10°;;					
		veinlet (1-5 mm) 5% ankerite infilled fractures 10°					
		ankerite veinlets, 5-15 DTCA					
490.50	492.00	Py00.1	490.50	492.00	Q285713	1.50	0.007
		Pyrite 0.1%					
		traces of Pyrite					
492.00	493.50	Py00.1					
		Pyrite 0.1%					
		traces of Pyrite					
492.00	495.30	Vn;2%;Qak;Fl;;;	492.00	493.50	Q285714	1.50	0.007
		vein (5 mm - 10 cm) 2% quartz-ankerite flooding					
		flooding quartz-ankerite veins					
493.50	495.30	Py00.1	493.50	495.30	Q285715	1.80	0.006
		Pyrite 0.1%					
		traces of Pyrite					
495.30		**End of DDH**					
		Number of samples: 288					
		Number of QAQC samples: 22					
		Total sampled length: 432.30					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_62

Drilled by:	Major	Claims title:	L9495	Section:	
Described by:	Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	21/03/2014	Description date:	02/04/2014
		To:	25/03/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 450.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,123.999
North	0.0	0.000	5,331,584.986
Elevation	0.0	0.000	339.653

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	57.00	181.9°	-52.4°	No	Mag = 55907
ReflexEZS	117.00	181.0°	-52.6°	No	Mag = 55339
ReflexEZS	177.00	186.7°	-53.2°	No	Mag = 57516
ReflexEZS	237.00	181.6°	-52.5°	No	Mag = 54929
ReflexEZS	297.00	186.4°	-52.3°	No	Mag = 54862
ReflexEZS	357.00	183.9°	-52.3°	Yes	Mag = 53795
ReflexEZS	417.00	184.4°	-52.2°	No	Mag = 54714

Description

Relooged By Gilles Kamta start august 17-2014; End August 19-2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	44.81	OVB					
		Overburden					
		Overburden/ casing					
44.81	56.15	V4					
		Trachyte					
		Medium green trachyte with dark green (which may actually be a deep red) spots. This gives the core a leopard skin texture in intervals where the weak foliation doesn't stretch the spots. Moderate serecitic alteration with a weak ankeritic and chloritic alteration as well. Some late veinlets are calcitic. The unit is non magnetic and is generally unmineralized.					
44.81	54.00	Se02; Cl02; Ank01					
		Sericite 2; Chlorite 2; Ankerite 1					
		Moderate pervasive sericite chlorite alteration, weak ankerite					
44.81	56.15	Fln	44.81	46.50	Q287484	1.69	<0.005
		Foliation 60°					
		moderate foliation 50-70 DTCA					
44.81	46.50	Py00.2					
		Pyrite 0.2%					
		tracr of pyrite in veins					
46.50	48.00	Py00.2	46.50	48.00	Q287485	1.50	<0.005
		Pyrite 0.2%					
		trace of pyrite					
48.00	49.50	Py00.2	48.00	49.50	Q287486	1.50	0.005
		Pyrite 0.2%					
		traces					
49.50	51.00	Py00.1	49.50	51.00	Q287487	1.50	<0.005
		Pyrite 0.1%					
		traces					
51.00	52.50	Py00.1	51.00	52.50	Q287488	1.50	<0.005
		Pyrite 0.1%					
		traces					
52.50	54.00	Py00.1	52.50	54.00	Q287489	1.50	<0.005
		Pyrite 0.1%					
		traces					
54.00	66.00	Ank02; Se02; Cl02	54.00	55.50	Q287490	1.50	<0.005
		Ankerite 2; Sericite 2; Chlorite 2					
		Moderate pervasive sericite ankerite and chlorite					
54.00	55.50	Py00.1					
		Pyrite 0.1%					
		traces					
55.50	57.00	Py00.2	55.50	56.15	Q287491	0.65	0.01

Description				Assay				
				From	To	Sample number	Length	AuBest
			Pyrite 0.2%					
			traces					
56.15	65.53	V4; Phan		56.15	57.00	Q287492	0.85	0.021
		Trachyte 70°; PHANERITIC						
		Medium to dark green-grey fine grained trachyte. Moderate to strong pervasive ankeritic alteration. Weak chloritic alteration. Moderately magnetic and generally unmineralized. Veining increases downhole to ~2% ankerite veins and veinlets. There is minor late calcite veinlets.						
56.15	65.33	Fln						
		Foliation 80°						
		weak						
57.00	58.50	Py00.1		57.00	58.50	Q287493	1.50	<0.005
		Pyrite 0.1%						
		traces						
58.50	60.00	Py00.1		58.50	60.00	Q287494	1.50	0.005
		Pyrite 0.1%						
		traces						
59.00	59.20	Vn;50%;Ca;In;30°;;						
		vein (5 mm - 10 cm) 50% calcite infilled fractures 30°						
		infilled quartz calcite vein						
60.00	61.50	Py00.1		60.00	61.50	Q287495	1.50	0.007
		Pyrite 0.1%						
		traces						
61.50	63.00	Py00.1		61.50	63.00	Q287496	1.50	<0.005
		Pyrite 0.1%						
		traces						
62.00	66.50	Vn;10%;Ca Qak;In;80°;;						
		vein (5 mm - 10 cm) 10% calcite quartz-ankerite infilled fractures 80°						
		Infilled quartz ankerite and calcite veins 0.5-3 cm 70-90° TCA						
63.00	64.50	Py00.1		63.00	64.50	Q287497	1.50	<0.005
		Pyrite 0.1%						
		traces						
64.50	65.53	Py00.2; Mg00.2		64.50	65.53	Q287498	1.03	1.17
		Pyrite 0.2%; Magnetite 0.2%						
		Localyse replacement euhedral pyrite and magnetite						
65.33	111.30	Fln; Fln						
		Foliation 60°; Foliation						
		moderate pervasive						
65.53	109.53	V4; Por; Tuff		65.53	66.50	Q287499	0.97	0.023
		Trachyte 70°; Porphyritic; TUFF						
		Light to dark green trachyte with alternating intervals of red and green spots (with instances of leopard skin						

Description			Assay				
			From	To	Sample number	Length	AuBest
		texture). Downhole spots become bleached(?) to a light pink. There is a weak to moderate foliation at 40-50 deg tca. Ankeritic alteration is weak to moderate but becomes strong around 102m. Serecitic alteration is moderate to strong and parallel to foliation. Clhloritic alteration is weak to moderate. Small hematized massive trachyte interval (85.86-86.33m) with 2% finely disseminated py. Veining is generally ankerite but there is late calcitic veinlets. Generally non-magnetic but there is weak to moderate magnetism in an interval that appears weakly hematized (87.5-93m). Py is generally trace.					
65.53	66.50	Py00.1 **Pyrite 0.1%** traces of pyrite					
66.00	79.00	Se02; K02; Ank01; Cl01 **Sericite 2; Potassic 2; Ankerite 1; Chlorite 1** moderate mottled sericite, ankerite and potassic alteration, weak light green chlorite					
66.50	67.50	Py00.1 **Pyrite 0.1%** Traces	66.50	67.50	Q287502	1.00	0.013
67.50	69.00	Py00.2 **Pyrite 0.2%** Traces	67.50	69.00	Q287503	1.50	<0.005
69.00	70.50	Py00.2; Mg00.5 **Pyrite 0.2%; Magnetite 0.5%** Traces of euhedral pyrite, disseminated euhedral magnetite crystals	69.00	70.50	Q287504	1.50	<0.005
70.50	72.00	Py00.1 **Pyrite 0.1%** taces of pyrite	70.50	72.00	Q287505	1.50	<0.005
72.00	73.50	Py00.1 **Pyrite 0.1%** traces of pyrite	72.00	73.50	Q287506	1.50	<0.005
73.50	75.00	Py00.1 **Pyrite 0.1%** traces of pyrite	73.50	75.00	Q287507	1.50	0.01
75.00	76.50	Py00.2 **Pyrite 0.2%** traces of euhedral pyrite	75.00	76.50	Q287508	1.50	0.012
76.50	78.00	Py00.2 **Pyrite 0.2%** traces of fine grained pyrite	76.50	78.00	Q287509	1.50	0.019
78.00	79.50	Py00.1 **Pyrite 0.1%** traces	78.00	79.50	Q287510	1.50	<0.005
79.00	85.50	Se03; Ank02; Cl02; K01					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Sericite 3; Ankerite 2; Chlorite 2; Potassic 1					
		moderate to strong sericite alteration // foliation, pervasive ankerite, wek to moderate chlorite, weak mottle potassic					
79.50	81.00	Py00.1					
		Pyrite 0.1%					
		traces					
79.50	84.00	Vn;5%;Ca Qak;In;70°;;	79.50	81.00	Q287511	1.50	<0.005
		vein (5 mm - 10 cm) 5% calcite quartz-ankerite infilled fractures 70°					
		Infilled quartz-ankerite and calcite veins 0.5-4 cm 60-80°TCA with localized deformation.					
81.00	82.50	Py00.1	81.00	82.50	Q287512	1.50	<0.005
		Pyrite 0.1%					
		traces					
82.50	84.00	Py00.1	82.50	84.00	Q287513	1.50	<0.005
		Pyrite 0.1%					
		traces					
84.00	85.86	Py00.1	84.00	85.86	Q287514	1.86	<0.005
		Pyrite 0.1%					
		traces					
85.50	96.80	Se03; Ank02; K02; Cl02; Ca01					
		Sericite 3; Ankerite 2; Potassic 2; Chlorite 2; Calcite 1					
		Moderate to strong ankerite alteration, moderate ankerite, mottled potassic, weak to moderate green chlorite, calcite in some lates veins and veinlets					
85.86	86.33	Py01	85.86	86.33	Q287515	0.47	0.01
		Pyrite 1%					
		fine grained pyrite disseminated					
86.33	87.50	Py00.2	86.33	87.50	Q287516	1.17	<0.005
		Pyrite 0.2%					
		traces					
87.50	88.50	Py00.2	87.50	88.50	Q287517	1.00	<0.005
		Pyrite 0.2%					
		traces stringers pyrite					
88.50	90.00	Py00.1	88.50	90.00	Q287518	1.50	<0.005
		Pyrite 0.1%					
		traces					
90.00	91.50	Py00.1	90.00	91.50	Q287519	1.50	<0.005
		Pyrite 0.1%					
		traces					
91.50	93.00	Py00.1	91.50	93.00	Q287520	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
93.00	94.50	Py00.1 **Pyrite 0.1%** traces	93.00	94.50	Q287521	1.50	<0.005
94.50	96.00	Py00.1 **Pyrite 0.1%** traces	94.50	96.00	Q287522	1.50	<0.005
96.00	97.50	Py00.1 **Pyrite 0.1%** traces	96.00	97.50	Q287523	1.50	<0.005
96.80	111.30	Se03; Ank03; Cl02; K01 **Sericite 3; Ankerite 3; Chlorite 2; Potassic 1** Strong pervasive ankerite sericite alteration weak to moderate chlorite, patchy weak potassic alteration.					
97.50	99.00	Py00.1 **Pyrite 0.1%** traces	97.50	99.00	Q287524	1.50	<0.005
99.00	100.50	Py00.1 **Pyrite 0.1%** traces	99.00	100.50	Q287527	1.50	<0.005
100.50	102.00	Py00.1 **Pyrite 0.1%** traces	100.50	102.00	Q287528	1.50	<0.005
102.00	103.50	Py00.1 **Pyrite 0.1%** traces	102.00	103.50	Q287529	1.50	0.005
103.50	105.00	Py00.1 **Pyrite 0.1%** traces	103.50	105.00	Q287530	1.50	<0.005
105.00	106.50	Py00.1 **Pyrite 0.1%** tracs	105.00	106.50	Q287531	1.50	<0.005
106.50	108.00	Py00.1 **Pyrite 0.1%** traces	106.50	108.00	Q287532	1.50	<0.005
108.00	109.53	Py00.1 **Pyrite 0.1%** traces	108.00	109.53	Q287533	1.53	<0.005
109.53	111.60	V4; Tuff **Trachyte; TUFF** Light to medium green fine grained trachytic tuff weakly foliated at 40-50 deg tca. Strongly ankeritic, moderately sericitic and moderately chloritized. moderately magnetic and trace py. Lower contact is a fault(	109.53	111.30	Q287534	1.77	0.024

Description			Assay				
			From	To	Sample number	Length	AuBest
		111.30-111.60).					
109.53	111.30	Py00.1 **Pyrite 0.1%** traces					
111.30	122.70	K03; Si02; Ank02 **Potassic 3; Silica 2; Ankerite 2** Strong pervasive potassic alteration moderate to strong pervasive silica-ankerite	111.30	112.00	Q287535	0.70	0.3
111.30	111.50	FLT; Gg **Fault 50°; Fault gouge** greenish fault gouge					
111.30	112.00	Py00.5 **Pyrite 0.5%** fine graied pt disseminated					
111.50	181.80	Fln **Foliation 60°** moderate foliation					
111.60	163.55	V4; Aph; Per **Trachyte 30°; APHANITIC; PERLITIC** Highly altered maroon red to brown grey trachyte aphanitic and perlitic fractures with occasional rafts of dark black fine grained unaltered trachyte. Strongly silicified with some recrystalization and minor qtz flooding. Moderate pervasive ankeritic alteration. Moderate patchy to pervasive hematitic alteration. Veining is <1%. Uphole (to ~142.5m) veinlets with qtz/ankerite and a sugary textured orange carbonate(?) barite(?) run sub-parallel tca and quite often contain cpy. This unit is well mineralized (up to 2%) with finely disseminated py. Non-magnetic. The unit is cut by some ramdom mafic folited intrusion with fine grained stringers pyrite up to 2% locally					
112.00	113.00	Py00.5 **Pyrite 0.5%** traces	112.00	113.00	Q287536	1.00	0.103
113.00	114.00	Py00.5 **Pyrite 0.5%** Stringers and fine grained pyrite	113.00	114.00	Q287537	1.00	0.103
114.00	115.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	114.00	115.50	Q287538	1.50	0.125
115.50	117.00	Py00.5 **Pyrite 0.5%** fine grained disseminated	115.50	117.00	Q287539	1.50	0.128
117.00	118.50	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** Fine grained pyrite disseminated or in filled fractures, massive chalcopyrite in veins	117.00	118.50	Q287540	1.50	0.276

Description			Assay				
			From	To	Sample number	Length	AuBest
118.50	120.00	Py01; Cp00.2 **Pyrite 1%; Chalcopyrite 0.2%** Fine grained pyrite disseminated, chalcopyrite in veins	118.50	120.00	Q287541	1.50	0.119
120.00	121.50	Py01 **Pyrite 1%** sitingers and fine grained pyrite disseminated	120.00	121.50	Q287542	1.50	0.098
121.20	125.00	Vn;3%;Qak Ca;In;40°;Py00.2 Cp00.5 Mo00.1; **vein (5 mm - 10 cm) 3% infilled fractures 40°** 1 cm pinkish quartz ankerite / calcite veins with massive chalcopyrite and traces of pyrite and molyb. Many quartz ankerite and calcite veinlets(stockworks)					
121.50	123.00	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** fine graind pyrite disseminated, stringers pyrite in veins	121.50	123.00	Q287543	1.50	0.052
122.70	163.65	Si03; K02; Ank02; Se01; Cl01 **Silica 3; Potassic 2; Ankerite 2; Sericite 1; Chlorite 1** Strong pervasive silica, moderate pervasive potassic ankerite alteration, traces of sericite, dark green chlorite in mafique dykes					
123.00	124.50	Py01; Mo00.1 **Pyrite 1%; Molybdenite 0.1%** Fine grained pyrite disseminated, traces of Molybdenite.	123.00	124.50	Q287544	1.50	0.063
124.50	126.00	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** fine grained pyrite disseminated, Chalcopyrite in veins	124.50	126.00	Q287545	1.50	0.101
126.00	127.50	Py01; Cp00.2 **Pyrite 1%; Chalcopyrite 0.2%** Fine grained pyrite disseminated or in quartz-ankerite veinlets	126.00	127.50	Q287546	1.50	0.084
127.50	129.00	Py02 **Pyrite 2%** Fine grained, clusters and stringers pyrite disseminated.	127.50	129.00	Q287547	1.50	0.076
129.00	130.50	Py01 **Pyrite 1%** fine grained pyrite disseminated	129.00	130.50	Q287548	1.50	0.086
130.50	132.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	130.50	132.00	Q287549	1.50	0.11
132.00	133.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	132.00	133.50	Q288452	1.50	0.233
133.50	135.00	Py00.5 **Pyrite 0.5%**	133.50	135.00	Q288453	1.50	0.17

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite disseminated					
133.60	133.70	Vn;5%;Qak Ca;In;30°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite calcite infilled fractures 30°					
		Quartz ankerite-calcite 2 cm quartz veins					
135.00	136.50	Py01	135.00	136.50	Q288454	1.50	0.175
		Pyrite 1%					
		clusters and fine grained pyrite disseminated					
136.50	138.00	Py00.5	136.50	138.00	Q288455	1.50	0.16
		Pyrite 0.5%					
		fine grained pyrite disseminated					
136.90	137.00	Vn;95%;Sgq;In;90°;;					
		vein (5 mm - 10 cm) 95% smoky grey quartz infilled fractures 90°					
		8 cm smoky grey quartz vein					
138.00	139.50	Py00.5	138.00	139.50	Q288456	1.50	0.105
		Pyrite 0.5%					
		fine grained pyrite disseminated					
139.50	140.90	Py00.5	139.50	140.90	Q288457	1.40	0.128
		Pyrite 0.5%					
		fine grained pyrite disseminated					
140.90	141.30	Py01	140.90	141.30	Q288458	0.40	0.674
		Pyrite 1%					
		clusters, stringers and fine grained pyrite disseminated					
141.00	147.00	Fl;5;Sgq;Fl;;Py00.2;					
		floods 5 smoky grey quartz flooding Pyrite 0.2%					
		flooding smokey grey quartz veins					
141.30	142.50	Py00.5	141.30	142.50	Q288459	1.20	0.259
		Pyrite 0.5%					
		fine grained pyrite disseminated					
142.50	144.00	Py00.5	142.50	144.00	Q288460	1.50	0.169
		Pyrite 0.5%					
		stringers and fine grained pyrite disseminated					
144.00	145.30	Py00.7	144.00	145.30	Q288461	1.30	0.178
		Pyrite 0.7%					
		fine grained pyrite disseminated					
145.30	147.00	Py01	145.30	147.00	Q288462	1.70	1.75
		Pyrite 1%					
		fine grained pyrite disseminated, stringers pyrite in filled foliated 5-10 cm mafic dykes					
147.00	148.50	Py00.7	147.00	148.50	Q288463	1.50	0.455
		Pyrite 0.7%					
		fine grained pyrite disseminated, stringers pyrite in filled foliated 5-10 cm mafic dykes					

Description			Assay				
			From	To	Sample number	Length	AuBest
148.50	150.00	Py00.7 **Pyrite 0.7%** fine grained pyrite disseminated, stringers pyrite in filled foliated mafic fragments	148.50	150.00	Q288464	1.50	0.208
150.00	151.50	Py00.7 **Pyrite 0.7%** fine grained pyrite disseminated, stringers pyrite in filled foliated mafic fragments	150.00	151.50	Q288465	1.50	0.151
151.50	153.00	Py00.7 **Pyrite 0.7%** fine grained pyrite disseminated, stringers pyrite in filled foliated mafic fragments	151.50	153.00	Q288466	1.50	0.099
153.00	154.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated					
153.00	162.00	Vn;5%;Sgq;In;50°;; **vein (5 mm - 10 cm) 5% smoky grey quartz infilled fractures 50°** Infilled and flooding smoky grey quartz ankerite veins 1-6 cm 40-60° TCA	153.00	154.50	Q288467	1.50	0.113
154.50	156.00	Py00.5 **Pyrite 0.5%** stringers and fine grained pyrite disseminated	154.50	156.00	Q288468	1.50	0.17
156.00	157.50	Py00.5 **Pyrite 0.5%** fine grained pyrite in mafic fragments	156.00	157.50	Q288469	1.50	0.08
157.50	159.00	Py01 **Pyrite 1%** clusters and fine grained pyrite disseminated	157.50	159.00	Q288470	1.50	0.153
159.00	160.50	Py00.7 **Pyrite 0.7%** stringers and fine grained pyrite disseminated	159.00	160.50	Q288471	1.50	0.118
160.50	162.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	160.50	162.00	Q288472	1.50	0.113
162.00	163.65	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated, stringers pyritein foliated mafic fragments	162.00	163.65	Q288473	1.65	0.191
163.55	165.70	V4; BBC; Phan **Trachyte 80°; Broken Blocky Core; PHANERITIC** Dark grey to brown highly fractured broken blocky trachyte. Moderate pervasive ankeritic and weak silicic alteration. localized bleaching. Weak chloritic and hematitic alteration as well. Moderately magnetic. Up to 2% disseminated fine grained pyrite, locally as stringers					
163.65	165.70	Si02; Cl02; K02; Se01 **Silica 2; Chlorite 2; Potassic 2; Sericite 1**	163.65	164.50	Q288474	0.85	4.78

Description				Assay				
				From	To	Sample number	Length	AuBest
			Moderate pervasive silicification, spotty week potassic, moderate ankerite and dark chlorite					
	163.65	164.50	Py02					
			Pyrite 2%					
			fine grained pyrite disseminated or as stringers					
	164.50	165.70	Py00.7	164.50	165.70	Q288477	1.20	3.38
			Pyrite 0.7%					
			fine grained pyrite disseminated					
165.70		167.00	1S; BBC; Por					
			Syenite 70°; Broken Blocky Core; Porphyritic					
			Brick red syenite porphyry dyke. Strong hematitic alteration. Very weak ankeritic alteration. Non magnetic. 1% disseminated py. Sharp upper and lower contacts at ~65 deg tca.					
	165.70	167.00	He03; Si01					
			Hematite 3; Silica 1					
			Strong hematite, weak silica					
	165.70	167.00	Py00.5	165.70	167.00	Q288478	1.30	0.126
			Pyrite 0.5%					
			fine grained pyrite disseminated					
167.00		187.25	V4; BBC; Aph	167.00	168.00	Q288479	1.00	1.04
			Trachyte 70°; Broken Blocky Core; APHANITIC					
			Reddish-grey to pinkish grey fine grained trachyte flow weakly to moderately foliated at 45-50 deg tca. Broken blocky core is common throughout this unit. Moderate to strong pervasive ankeritic alteration. Weak to locally strong patchy hematitic alteration. Localized moderate silicification (168-169.3m). Weak to moderate foliation controlled chloritic alteration. Moderately magnetic except in silicified interval. 1-2% disseminated pyrite.					
	167.00	186.30	K03; Ank02; Cl01; Si01; He00.1					
			Potassic 3; Ankerite 2; Chlorite 1; Silica 1; Hematite 0.1					
			Strong pervasive potassic alteration, moderate pervasive ankerite, spotty dark green chlorite stringers // foliation (50-70 DTCA) localized pervasive moderate to weak silicification, traces of hematite as stringers					
	167.00	168.00	Py00.7					
			Pyrite 0.7%					
			fine grained pyrite disseminated					
	168.00	169.50	Py00.5	168.00	169.50	Q288480	1.50	0.155
			Pyrite 0.5%					
			fine grained py disseminated					
	169.50	171.00	Py00.7	169.50	171.00	Q288481	1.50	0.153
			Pyrite 0.7%					
			fine grained pyrite disseminated					
	171.00	172.50	Py00.3	171.00	172.50	Q288482	1.50	0.114

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.3%					
		traces of pyrite					
172.50	174.00	Py00.2	172.50	174.00	Q288483	1.50	0.039
		Pyrite 0.2%					
		traces of pyrite					
174.00	175.50	Py00.2	174.00	175.50	Q288484	1.50	0.113
		Pyrite 0.2%					
		traces					
175.50	177.00	Py00.2	175.50	177.00	Q288485	1.50	0.031
		Pyrite 0.2%					
		traces					
177.00	178.50	Py00.5	177.00	178.50	Q288486	1.50	0.022
		Pyrite 0.5%					
		euhedral py disseminated					
178.50	180.00	Py00.5	178.50	180.00	Q288487	1.50	0.026
		Pyrite 0.5%					
		euhedral pyrite disseminated					
180.00	181.50	Py00.7	180.00	181.50	Q288488	1.50	0.047
		Pyrite 0.7%					
		clusters and fine fine grained pyrite in veins					
181.50	183.00	Py00.5	181.50	183.00	Q288489	1.50	0.076
		Pyrite 0.5%					
		fine grained pyrite disseminated					
181.80	191.80	Fln; Bxh					
		Foliation 60°; Breccia healed					
		Weak foliation and localized breccias					
183.00	184.50	Py01	183.00	184.50	Q288490	1.50	0.064
		Pyrite 1%					
		euhedral clusters, stringers an fine grained pyrite disseminated					
184.50	186.00	Py01	184.50	186.00	Q288491	1.50	0.076
		Pyrite 1%					
		stringers and fine grained pyrite disseminated					
186.00	187.30	Py00.5	186.00	187.30	Q288492	1.30	0.038
		Pyrite 0.5%					
		fine grained pyrite disseminated					
186.30	201.00	Ca03; Cl02; Cl; K02					
		Calcite 3; Chlorite 2; Chlorite; Potassic 2					
		strong pervasive calcite, moderate potassic, moderate dark green chlorite fil fractures					
187.25	327.15	V4; Pep; Per					
		Trachyte 50°; PEPERITIC; PERLITIC					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Dark grey/ black fine grained mafic peperitic trachyte with occasional intervals of reddish trachyte flow. Weakly to moderately foliated at 35-45 deg tca. dark chlorite magnetite and pyrite fill the fractures and are // to foliation. Slightly ankeritic uphole but quickly becomes strongly altered to calcite. A weak to moderate patchy potassic alteration starts around 248m. Moderately silicified from 309.8-312.8 m. Moderately magnetic <1% ankerite/quartz veining. Pyrite is disseminated and generally runs 1-2% but locally (194.3-195.7m, 267-268.5m) up to 5% associated with more massive trachytic intervals. Downhole quartz/chlorite stringers contain trace chalcopyrite.					
187.30	189.00	Py00.7 **Pyrite 0.7%** fine grained pyrite disseminated	187.30	189.00	Q288493	1.70	0.026
189.00	190.50	Py01 **Pyrite 1%** fine grained pyrite disseminated	189.00	190.50	Q288494	1.50	0.034
190.50	192.00	Py00.7 **Pyrite 0.7%** clusters and fine grained pyrite disseminated	190.50	192.00	Q288495	1.50	0.036
191.14	191.30	Fl;2;Qak;Fl;;; **floods 2 quartz-ankerite flooding** Flooding quartz-ankerite veins					
191.80	267.00	Fln **Foliation 50°** moderate foliation 50-70 DTCA					
192.00	193.50	Py00.7 **Pyrite 0.7%** clusters, stringers and fine grained pyrite diseminated	192.00	193.50	Q288496	1.50	0.188
193.50	195.00	Py00.7 **Pyrite 0.7%** euhedral fine grained and clusters pyrite disseminated	193.50	195.00	Q288497	1.50	0.085
195.00	196.00	Py00.7 **Pyrite 0.7%** fine grained and euhedral pyrite disseminated	195.00	196.00	Q288498	1.00	0.07
196.00	197.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	196.00	197.00	Q288499	1.00	0.088
197.00	198.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	197.00	198.00	Q288502	1.00	0.036
198.00	199.50	Py00.5	198.00	199.50	Q288503	1.50	0.041

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine grained pyrite disseminated					
199.50	201.00	Py00.5	199.50	201.00	Q288504	1.50	0.039
		Pyrite 0.5%					
		fine grained pyrite infilled fracture or disseminated					
201.00	248.50	Ca03; Cl03; K01	201.00	202.50	Q288505	1.50	<0.005
		Calcite 3; Chlorite 3; Potassic 1					
		Strong pervasive calcite, moderate to stron dark chlorite, spotty weak potassic alteration248					
201.00	202.50	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite disseminated					
202.50	204.00	Py00.5	202.50	204.00	Q288506	1.50	0.459
		Pyrite 0.5%					
		fine grained pyrite disseminated					
204.00	205.50	Py00.5	204.00	205.50	Q288507	1.50	0.016
		Pyrite 0.5%					
		fine grained pyrite disseminated					
205.50	207.00	Py00.7	205.50	207.00	Q288508	1.50	0.067
		Pyrite 0.7%					
		fine grained or stringers pyrite disseminated					
207.00	208.50	Py00.5	207.00	208.50	Q288509	1.50	0.038
		Pyrite 0.5%					
		fine grained pyrite disseminated					
208.50	210.00	Py01	208.50	210.00	Q288510	1.50	0.057
		Pyrite 1%					
		fine grained and euhedral pyrite disseminated					
210.00	211.50	Py00.2	210.00	211.50	Q288511	1.50	0.01
		Pyrite 0.2%					
		traces					
211.40	211.60	Fl;1;Cc;Fl;;;					
		floods 1 calcite-chlorite flooding					
		Calcite chlorite veins with chlorite / epidote					
211.50	213.00	Py00.2	211.50	213.00	Q288512	1.50	0.009
		Pyrite 0.2%					
		traces					
213.00	214.50	Py00.2	213.00	214.50	Q288513	1.50	0.006
		Pyrite 0.2%					
		traces					
214.50	216.00	Py00.2	214.50	216.00	Q288514	1.50	0.011
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
216.00	217.50	Py00.7	216.00	217.50	Q288515	1.50	0.014
		Pyrite 0.7%					
		euhedral and fine grained pyrite					
216.20	216.30	Vn;96%;Ca;In;;;					
		vein (5 mm - 10 cm) 96% calcite infilled fractures					
		infilled calcite veins 8 cm					
217.50	219.00	Py00.5	217.50	219.00	Q288516	1.50	0.014
		Pyrite 0.5%					
		traces					
219.00	220.50	Py00.7	219.00	220.50	Q288517	1.50	<0.005
		Pyrite 0.7%					
		fine grained pyrite disseminated					
220.50	222.00	Py00.5	220.50	222.00	Q288518	1.50	0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
222.00	223.50	Py00.2	222.00	223.50	Q288519	1.50	0.019
		Pyrite 0.2%					
		traces					
223.50	225.00	Py00.5	223.50	225.00	Q288520	1.50	0.025
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
225.00	226.50	Py01	225.00	226.50	Q288521	1.50	1.425
		Pyrite 1%					
		euhedral and fine grained pyrite disseminated					
226.50	228.00	Py00.5	226.50	228.00	Q288522	1.50	0.071
		Pyrite 0.5%					
		fine grained pyrite disseminated					
228.00	229.50	Py00.5	228.00	229.50	Q288523	1.50	0.013
		Pyrite 0.5%					
		stringers and fine grained pyrite					
229.50	231.00	Py00.7	229.50	231.00	Q288524	1.50	0.253
		Pyrite 0.7%					
		fine grained pyrite disseminated					
231.00	232.50	Py00.5	231.00	232.50	Q288527	1.50	0.049
		Pyrite 0.5%					
		fine grained pyrite disseminated					
232.50	234.00	Py00.5; Cp00.2	232.50	234.00	Q288528	1.50	0.006
		Pyrite 0.5%; Chalcopyrite 0.2%					
		sitingers or fine grained pyrite dissemined, traces of chalcopyrite in fractures					

Description			Assay				
			From	To	Sample number	Length	AuBest
234.00	235.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	234.00	235.50	Q288529	1.50	0.005
235.50	237.00	Py00.2 **Pyrite 0.2%** traces	235.50	237.00	Q288530	1.50	0.006
237.00	238.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	237.00	238.50	Q288531	1.50	<0.005
238.50	240.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	238.50	240.00	Q288532	1.50	<0.005
240.00	241.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	240.00	241.50	Q288533	1.50	<0.005
241.50	243.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	241.50	243.00	Q288534	1.50	<0.005
243.00	244.50	Py00.5; Cp00.2 **Pyrite 0.5%; Chalcopyrite 0.2%** fine grained pyrite disseminated, traces of chalcopyrite	243.00	244.50	Q288535	1.50	<0.005
244.50	246.00	Py00.2 **Pyrite 0.2%** traces of pyrite	244.50	246.00	Q288536	1.50	0.005
246.00	247.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	246.00	247.50	Q288537	1.50	<0.005
247.50	249.00	Py00.5 **Pyrite 0.5%** clusters and fine grained pyrite disseminated	247.50	249.00	Q288538	1.50	<0.005
248.50	255.00	Ca03; Cl02; K02; Ank01 **Calcite 3; Chlorite 2; Potassic 2; Ankerite 1** strong pervasive calcite, moderate to strong dark chlorite, weak to moderate ankerite, moderate potassic a;lteration.					
249.00	250.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	249.00	250.50	Q288539	1.50	0.006
250.50	252.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	250.50	252.00	Q288540	1.50	0.016

Description			Assay				
			From	To	Sample number	Length	AuBest
252.00	253.50	Py00.7 **Pyrite 0.7%** fine grained pyrite disseminated	252.00	253.50	Q288541	1.50	0.317
253.50	255.00	Py00.7 **Pyrite 0.7%** fine grained pyrite disseminated	253.50	255.00	Q288542	1.50	0.022
255.00	297.00	Ca03; Cl03; K01 **Calcite 3; Chlorite 3; Potassic 1** Strong pervasaive calcite, strong dark in fractures // foliation.	255.00	256.50	Q288543	1.50	0.023
255.00	256.50	Py00.2 **Pyrite 0.2%** traces					
256.50	258.00	Py00.2 **Pyrite 0.2%** traces	256.50	258.00	Q288544	1.50	<0.005
258.00	259.50	Py00.2; Py **Pyrite 0.2%; Pyrite** traces	258.00	259.50	Q288545	1.50	<0.005
259.50	261.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	259.50	261.00	Q288546	1.50	<0.005
261.00	262.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	261.00	262.50	Q288547	1.50	0.075
262.50	264.00	Py00.2 **Pyrite 0.2%** traces	262.50	264.00	Q288548	1.50	<0.005
264.00	265.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	264.00	265.50	Q288549	1.50	0.005
265.50	267.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	265.50	267.00	Q288552	1.50	0.019
267.00	279.00	Fln **Foliation 40°** moderate pervasive foliation	267.00	268.50	Q288553	1.50	0.19
267.00	268.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated					
268.50	270.00	Py00.7	268.50	270.00	Q288554	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.7%					
		euhedral and fine grained pyrite disseminated					
270.00	271.50	Py00.5	270.00	271.50	Q288555	1.50	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
271.50	273.00	Py00.2	271.50	273.00	Q288556	1.50	0.009
		Pyrite 0.2%					
		traces					
273.00	274.50	Py00.2	273.00	274.50	Q288557	1.50	0.021
		Pyrite 0.2%					
		traces					
274.50	276.00	Py00.7	274.50	276.00	Q288558	1.50	0.017
		Pyrite 0.7%					
		euhedral and fine grained pyrite disseminated					
276.00	277.50	Py00.5	276.00	277.50	Q288559	1.50	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
277.50	279.00	Py00.5	277.50	279.00	Q288560	1.50	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
279.00	288.50	Fln	279.00	280.50	Q288561	1.50	0.02
		Foliation 70°					
		moderate pervasive					
279.00	280.50	Py00.7; Cp00.2					
		Pyrite 0.7%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, traces of chalcopyrite					
280.50	282.00	Py00.7; Cp00.2	280.50	282.00	Q288562	1.50	0.069
		Pyrite 0.7%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, traces ohalcopyrite					
282.00	283.50	Py00.7; Cp00.2	282.00	283.50	Q288563	1.50	0.015
		Pyrite 0.7%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, traces ohalcopyrite					
283.50	285.00	Py00.7; Cp00.2	283.50	285.00	Q288564	1.50	0.015
		Pyrite 0.7%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, traces ohalcopyrite					
285.00	286.50	Py00.2	285.00	286.50	Q288565	1.50	<0.005
		Pyrite 0.2%					
		traces					
286.50	288.00	Py00.2	286.50	288.00	Q288566	1.50	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
288.00	289.50	Py00.2	288.00	289.50	Q288567	1.50	0.015
		Pyrite 0.2%					
		traces					
288.50	298.50	Fln					
		Foliation 40°					
		moderte pervasive					
289.50	291.00	Py00.5	289.50	291.00	Q288568	1.50	0.017
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated,					
291.00	292.50	Py00.5; Cp00.5					
		Pyrite 0.5%; Chalcopyrite 0.5%					
		fine grained pyrite disseminatedand ohalcopyrite					
291.00	294.00	Vn;10%;Sgq Ca;In;40°;Py00.2;	291.00	292.50	Q288569	1.50	0.033
		vein (5 mm - 10 cm) 10% smoky grey quartz calcite infilled fractures 40° Pyrite 0.2%					
		Smokey grey quartz-calcite veins with traces of euhedral pyrite					
292.50	294.00	Py00.5	292.50	294.00	Q288570	1.50	0.034
		Pyrite 0.5%					
		fine grained pyrite disseminated					
294.00	295.50	Py00.7	294.00	295.50	Q288571	1.50	0.033
		Pyrite 0.7%					
		fine grained pyrite disseminated					
295.50	297.00	Py01	295.50	297.00	Q288572	1.50	0.054
		Pyrite 1%					
		fine grained pyrite disseminated.					
296.00	306.00	Vn;3%;Qca;In;40°;;					
		vein (5 mm - 10 cm) 3% quartz-calcite infilled fractures 40°					
		infilled quartz-calcite veins and veinlets 1-2 cm 30-40 DTCA.					
297.00	304.50	Ca03; Ank02; K02; Cl02	297.00	298.50	Q288573	1.50	0.035
		Calcite 3; Ankerite 2; Potassic 2; Chlorite 2					
		Strong inermittant calcite, moderate to stronmg intermittant potassic- dark chlorite and ankerite					
297.00	298.50	Py00.7					
		Pyrite 0.7%					
		fine grained pyrite disseminated and stringers pyrite.					
298.50	304.50	Fln	298.50	300.00	Q288574	1.50	0.146
		Foliation 30°					
		intermittant					
298.50	300.00	Py01					
		Pyrite 1%					
		fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
300.00	301.50	Py00.2	300.00	301.50	Q288577	1.50	0.04
		Pyrite 0.2%					
		traces					
301.50	303.00	Py00.7	301.50	303.00	Q288578	1.50	0.061
		Pyrite 0.7%					
		fine grained pyrite disseminated.					
303.00	304.50	Py00.7; Cp00.2	303.00	304.50	Q288579	1.50	0.064
		Pyrite 0.7%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, traces ohalcopyrite					
304.50	327.20	Ca03; Cl03; K01; Si01	304.50	306.00	Q288580	1.50	0.028
		Calcite 3; Chlorite 3; Potassic 1; Silica 1					
		Strong pervasive chlorite and calcite, weak to moderate spotty potassic, localized silicification					
304.50	310.50	Bxh					
		Breccia healed 30°					
		moderate pervasive, localized brecches from fractures					
304.50	306.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite disseminated.					
306.00	307.50	Py00.5	306.00	307.50	Q288581	1.50	0.011
		Pyrite 0.5%					
		fine grained pyrite disseminated					
307.50	309.00	Py00.5	307.50	309.00	Q288582	1.50	0.007
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated.					
309.00	310.50	Py00.2	309.00	310.50	Q288583	1.50	0.028
		Pyrite 0.2%					
		traces					
310.50	312.00	Py00.7; Cp00.2	310.50	312.00	Q288584	1.50	0.036
		Pyrite 0.7%; Chalcopyrite 0.2%					
		fine grained pyrite disseminated, traces ohalcopyrite in quartz veinlets					
311.60	312.10	Vm;95%;Sgq Ca;In;70°;Py00.2 Cp00.1;					
		major vein (10 cm or greater) 95% smoky grey quartz calcite infilled fractures 70°					
		Pyrite 0.2% Chalcopyrite 0.1%					
		25 cm smokey grey quartz-calcite vein with trace of pyrite and chalcopyrite					
312.00	313.50	Py00.5	312.00	313.50	Q288585	1.50	0.024
		Pyrite 0.5%					
		fine grained pyrite disseminated					
312.20	313.00	Vn;10%;Ca Sgq Ca;In;50°;;					
		vein (5 mm - 10 cm) 10% calcite smoky grey quartz calcite infilled fractures 50°					
		4-5 cm calcite smoky grey quartz calcite veins					

Description			Assay				
			From	To	Sample number	Length	AuBest
313.50	315.00	Py00.2 **Pyrite 0.2%** traces	313.50	315.00	Q288586	1.50	<0.005
315.00	316.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated.	315.00	316.50	Q288587	1.50	0.005
316.50	318.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	316.50	318.00	Q288588	1.50	0.006
318.00	319.50	Py00.5 **Pyrite 0.5%** Fine grained pyrite disseminated	318.00	319.50	Q288589	1.50	0.027
319.50	321.00	Py00.7 **Pyrite 0.7%** fine grained pyrite disseminated	319.50	321.00	Q288590	1.50	0.038
321.00	322.50	Py01 **Pyrite 1%** Fine grained and euhederal pyrite disseminated	321.00	322.50	Q288591	1.50	0.08
321.00	321.70	Vn;3%;Sgq Ca;Fl;;; **vein (5 mm - 10 cm) 3% smoky grey quartz calcite flooding** flooding smoky grey quartz-calcite vein					
322.50	324.00	Py01 **Pyrite 1%** fine grained and euhedral pyrite disseminated	322.50	324.00	Q288592	1.50	0.037
324.00	325.50	Py00.7 **Pyrite 0.7%** fine grained and euhedral pyrite disseminated	324.00	325.50	Q288593	1.50	0.008
325.50	327.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	325.50	327.00	Q288594	1.50	0.007
327.00	328.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	327.00	328.50	Q288595	1.50	0.013
327.15	343.40	V4; Per; Cry **Trachyte 70°; PERLITIC; CRYSTALRICH** reddishto brownish trachyte flow. Fine grained, perlitic fracture who locally brecciated the unit. The upper unit 327.20- 331.30 m is crystal rich/ porphyritic. strongly altered to ankerite and potassic, many stringers and patchy dark chlorite (stringers), patchy weak sericite, patchy moderate to strong magnetite. Trace up to 2% py. .					
327.20	343.40	K03; Ank03; Se01; Cl01					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Potassic 3; Ankerite 3; Sericite 1; Chlorite 1					
		Strong pervasive potassic-ankerite alteration, weak spotty sericite, traces of chlorite.					
328.50	330.00	Py00.5	328.50	330.00	Q288596	1.50	0.058
		Pyrite 0.5%					
		fine grained pyrite disseminated					
330.00	331.50	Py00.5					
		Pyrite 0.5%					
		fine grained l pyrite disseminated					
330.00	350.00	Vt;3%;Qak;In;70°;Cp00.2;	330.00	331.00	Q288597	1.00	0.113
		veinlet (1-5 mm) 3% quartz-ankerite infilled fractures 70° Chalcopyrite 0.2%	331.00	332.00	Q288598	1.00	0.225
		numerous quartz ankerite veinlets with chalcopyrite.					
331.50	333.00	Py00.2	332.00	333.00	Q288599	1.00	0.107
		Pyrite 0.2%					
		traces of pyrite					
333.00	334.50	Py00.5; Cp00.1	333.00	334.50	Q288602	1.50	0.064
		Pyrite 0.5%; Chalcopyrite 0.1%					
		fine grained and euhedral pyrite disseminated, traces of chalcopyrite in veinlets					
334.50	336.00	Py00.5	334.50	336.00	Q288603	1.50	0.054
		Pyrite 0.5%					
		fine grained pyrite disseminated					
336.00	337.50	Py00.5	336.00	337.50	Q288604	1.50	<0.005
		Pyrite 0.5%					
		fine grained pyrite disseminated					
337.50	339.00	Py00.5	337.50	339.00	Q288605	1.50	0.137
		Pyrite 0.5%					
		fine grainedl pyrite disseminated					
339.00	340.50	Py00.7; Cp00.1	339.00	340.50	Q288606	1.50	0.187
		Pyrite 0.7%; Chalcopyrite 0.1%					
		fine grained and euhedral pyrite disseminated, traces of chalcopyrite in veins					
340.50	342.00	Py00.5; VG00.1	340.50	342.00	Q288607	1.50	0.098
		Pyrite 0.5%; Visible Gold 0.1%					
		fine grained and euhedral pyrite disseminated, traces of chalcopyrite in veins					
342.00	343.50	Py00.5	342.00	343.50	Q288608	1.50	0.076
		Pyrite 0.5%					
		fine grained pyrite disseminated					
343.40	418.10	V4; Pep; Per					
		Trachyte 80°; PEPERITIC; PERLITIC					
		Dark grey/black trachyte with perperitic texture and locallized perlititc fractures. fine grained, non ankeritic,					
		strongly altered to calcite, moderate dark green/black chlorite. Moderately to strongly pervasive magnetism.					
		Generally 2-3% pyre but localized intervals down to trace. Moderately silicified from 354.9-357.3m with 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		disseminated py.					
343.40	417.00	Ca03; Cl03; K01					
		Calcite 3; Chlorite 3; Potassic 1					
		intense calcite chlorite alteration, weak spotty potassic alteration					
343.40	418.10	Fln					
		Foliation 30°					
		weak spotty foliation					
343.50	345.00	Py00.5	343.50	345.00	Q288609	1.50	0.062
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
345.00	346.50	Py00.5	345.00	346.50	Q288610	1.50	0.005
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
346.50	348.00	Py00.5	346.50	348.00	Q288611	1.50	0.006
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated or stringers pyrite					
348.00	349.50	Py00.5	348.00	349.50	Q288612	1.50	0.017
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
349.50	351.00	Py00.5	349.50	351.00	Q288613	1.50	0.028
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
351.00	352.50	Py00.5	351.00	352.50	Q288614	1.50	0.179
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
352.50	354.00	Py00.5	352.50	354.00	Q288615	1.50	0.022
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
354.00	355.50	Py00.5					
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
354.00	355.60	Vn;3%;Sgq Ca;In;60°;Py00.5;	354.00	355.50	Q288616	1.50	0.179
		vein (5 mm - 10 cm) 3% smoky grey quartz calcite infilled fractures 60° Pyrite 0.5%					
		2-3 cm smoky grey quartz and calcite veins					
355.50	357.00	Py00.7	355.50	357.00	Q288617	1.50	0.877
		Pyrite 0.7%					
		fine grained and euhedral pyrite disseminated					
357.00	358.50	Py00.5	357.00	358.50	Q288618	1.50	0.127
		Pyrite 0.5%					
		fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
358.50	360.00	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite disseminated	358.50	360.00	Q288619	1.50	<0.005
360.00	361.50	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite disseminated	360.00	361.50	Q288620	1.50	<0.005
361.50	363.00	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite disseminated	361.50	363.00	Q288621	1.50	0.006
363.00	364.50	Py00.5; Cp00.5 **Pyrite 0.5%; Chalcopyrite 0.5%** fine grained and euhedral pyrite disseminated, locallized chalcopyrite	363.00	364.50	Q288622	1.50	0.015
364.50	366.00	Py01 **Pyrite 1%** fine grained and euhedral pyrite disseminated	364.50	366.00	Q288623	1.50	0.23
366.00	367.50	Py01 **Pyrite 1%** fine grained and euhedral pyrite disseminated	366.00	367.50	Q288624	1.50	0.104
367.50	369.00	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite disseminated	367.50	369.00	Q288627	1.50	0.093
369.00	370.50	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite disseminated	369.00	370.50	Q288628	1.50	0.077
370.50	372.00	Py00.2 **Pyrite 0.2%** traces	370.50	372.00	Q288629	1.50	0.007
372.00	373.50	Py02 **Pyrite 2%** traces	372.00	373.50	Q288630	1.50	<0.005
373.50	375.00	Py00.2 **Pyrite 0.2%** traces	373.50	375.00	Q288631	1.50	0.023
375.00	376.50	Py00.5 **Pyrite 0.5%** traces of pyrite	375.00	376.50	Q288632	1.50	0.04
376.50	378.00	Py00.2 **Pyrite 0.2%** traces of pyrite	376.50	378.00	Q288633	1.50	0.005
378.00	379.50	Py00.2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces of pyrite					
378.00	381.00	Vn;3%;Qak Cc;In;40°;;	378.00	379.50	Q288634	1.50	0.008
		vein (5 mm - 10 cm) 3% quartz-ankerite calcite-chlorite infilled fractures 40°					
		small quartz-ankerite calcite-chlorite veins					
379.50	381.00	Py00.2	379.50	381.00	Q288635	1.50	0.006
		Pyrite 0.2%					
		traces of pyrite					
381.00	382.50	Py00.2	381.00	382.50	Q288636	1.50	0.027
		Pyrite 0.2%					
		traces of pyrite					
382.50	384.00	Py00.5	382.50	384.00	Q288637	1.50	0.019
		Pyrite 0.5%					
		fine grained and euhedral pyrite disseminated					
384.00	385.50	Py00.2	384.00	385.50	Q288638	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
385.50	387.00	Py00.2	385.50	387.00	Q288639	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
387.00	388.50	Py00.2	387.00	388.50	Q288640	1.50	0.006
		Pyrite 0.2%					
		traces of pyrite					
388.50	390.00	Py00.2	388.50	390.00	Q288641	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
390.00	391.50	Py00.2	390.00	391.50	Q288642	1.50	0.04
		Pyrite 0.2%					
		traces ofpyrite					
391.50	393.00	Py00.5	391.50	393.00	Q288643	1.50	0.193
		Pyrite 0.5%					
		finje grained pyrite disseminated					
393.00	394.50	Py00.5	393.00	394.50	Q288644	1.50	0.281
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
394.50	396.00	Py00.2	394.50	396.00	Q288645	1.50	0.123
		Pyrite 0.2%					
		traces of pyrite					
396.00	397.50	Py00.2	396.00	397.50	Q288646	1.50	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
397.50	399.00	Py00.5	397.50	399.00	Q288647	1.50	<0.005
		Pyrite 0.5%					
		traces of pyrite					
399.00	400.50	Py00.5	399.00	400.50	Q288648	1.50	0.005
		Pyrite 0.5%					
		FIne grained pyrite disseminated					
400.50	402.00	Py00.5	400.50	402.00	Q288649	1.50	0.088
		Pyrite 0.5%					
		fine grained pyrite disseminated					
402.00	403.50	Py00.5	402.00	403.50	Q288652	1.50	0.112
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
403.50	405.00	Py00.5	403.50	405.00	Q288653	1.50	0.029
		Pyrite 0.5%					
		fine grained pyrite disseminated					
405.00	406.50	Py00.2	405.00	406.50	Q288654	1.50	0.025
		Pyrite 0.2%					
		traces of pyrite					
406.50	408.00	Py00.5	406.50	408.00	Q288655	1.50	0.007
		Pyrite 0.5%					
		fine grained pyrite disseminated					
408.00	409.50	Py00.5	408.00	409.50	Q288656	1.50	0.162
		Pyrite 0.5%					
		fine grained pyrite disseminated					
409.50	411.00	Py00.5; Cp00.1	409.50	411.00	Q288657	1.50	0.007
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Fine grainesd pyrite dissemated, traces of chalcopyrite in veins					
411.00	412.50	Py00.5	411.00	412.50	Q288658	1.50	0.007
		Pyrite 0.5%					
		fine grained pyrite disseminated					
412.50	414.00	Py00.5	412.50	414.00	Q288659	1.50	0.008
		Pyrite 0.5%					
		fine grained pyrite dissemiknated					
414.00	415.50	Py00.5	414.00	415.50	Q288660	1.50	0.007
		Pyrite 0.5%					
		fine grained pyrite disseminated					
415.50	417.00	Py00.2	415.50	417.00	Q288661	1.50	0.09
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
417.00	425.80	Cl03; Ank02; K01; Se01	417.00	418.50	Q288662	1.50	0.034
		Chlorite 3; Ankerite 2; Potassic 1; Sericite 1					
		moderate to strong pervasive chlorite, weak sericite and potassic					
417.00	418.50	Py00.2; Mg00.5					
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite crystals disseminated					
418.10	450.00	V4; Fol					
		Trachyte 30°; Foliated					
		Greenish-grey aphanitic trachyte with localized weak sub parallel tca foliation. Calcite alteration stops and a weak ankeritic alteration comes in. There is a brownish carbonate(?) alteration from 424-432m. Moderately magnetic. There is reddish qtz/ankerite veining from 428.9-429.9m with trace py and strong vein controlled hematitic alteration. Generally trace of pyrite. the lower unit is more massive with weak spotty foliation					
418.10	423.00	Fln					
		Foliation 30°					
		moderate pervasive foliation, weak deformation					
418.50	420.00	Py00.2; Mg00.5	418.50	420.00	Q288663	1.50	0.021
		Pyrite 0.2%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite crystals disseminated					
420.00	421.50	Py00.1; Mg00.5	420.00	421.50	Q288664	1.50	0.01
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite crystals disseminated					
421.50	423.00	Py00.1; Mg00.5	421.50	423.00	Q288665	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite crystals disseminated					
423.00	427.10	Fln; DZ	423.00	424.50	Q288666	1.50	<0.005
		Foliation 5°; Deformation Zone					
		moderate foliation sub // CA, weak deformation					
423.00	424.50	Py00.1; Mg0..5					
		Pyrite 0.1%; Magnetite 0..5					
		traces of pyrite, euhedral magnetite crystals disseminated					
424.50	426.00	Py00.1; Mg00.5	424.50	426.00	Q288667	1.50	0.026
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite crystals disseminated					
425.80	428.80	Cl02; Se02; K01					
		Chlorite 2; Sericite 2; Potassic 1					
		moderate chlorite- sericite alteration, weak potassic					
426.00	427.50	Py00.1; Mg00.5	426.00	427.50	Q288668	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite crystals disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
427.10	436.60	Fln					
		Foliation 30°					
		weak to moderate foliation					
427.50	429.00	Py00.1; Mg00.5	427.50	429.00	Q288669	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite, euhedral magnetite crystals					
428.80	436.60	Cl02; He02; Se01; Ank01					
		Chlorite 2; Hematite 2; Sericite 1; Ankerite 1					
		Moderate chlorite alteration, spotty hematitic alteration in veins, weak ankerite					
428.90	430.10	Vm;95%;Qak;In;60°;Py00.2;					
		major vein (10 cm or greater) 95% quartz-ankerite infilled fractures 60° Pyrite 0.2%					
		reddish quartz-ankerite veins 1m					
429.00	430.50	Py00.2; Mg00.5	429.00	430.50	Q288670	1.50	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		TRaces of pyrite, euhedral magnetite crystals disseminated					
430.50	432.00	Py00.2; Mg00.5	430.50	432.00	Q288671	1.50	<0.005
		Pyrite 0.2%; Magnetite 0.5%					
		Euhedral magnetite crystals disseminated, traces of pyrite					
431.20	431.50	Vm;80%;Qak;In;30°;Py00.2;					
		major vein (10 cm or greater) 80% quartz-ankerite infilled fractures 30° Pyrite 0.2%					
		infilled reddish quartz-ankerite vein					
432.00	433.50	Py00.1; Mg00.5	432.00	433.50	Q288672	1.50	0.005
		Pyrite 0.1%; Magnetite 0.5%					
		traces of pyrite disseminated, euhedral magnetite crystals disseminated					
433.50	435.00	Py00.1; Mg00.7	433.50	435.00	Q288673	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.7%					
		traces of pyrite, euhedral magnetite crystals disseminated					
435.00	436.50	Py00.1; Mg00.5	435.00	436.50	Q288674	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		races of pyrite, euhedral magnetite crystals disseminated					
436.50	438.00	Py00.1; Mg00.5	436.50	438.00	Q288677	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		races of pyrite, euhedral magnetite crystals disseminated					
436.60	450.00	Cl03; Ank02; K01					
		Chlorite 3; Ankerite 2; Potassic 1					
		strong chlorite, moderate chlorite, weak spotty potassic					
438.00	439.50	Py00.1; Mg00.5	438.00	439.50	Q288678	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		races of pyrite, euhedral magnetite crystals disseminated					
439.50	441.00	Py00.1; Mg00.5	439.50	441.00	Q288679	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%; Magnetite 0.5%					
		races of pyrite, euhedral magnetite crystals disseminated					
441.00	442.50	Py00.1; Mg00.2	441.00	442.50	Q288680	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.2%					
		races of pyrite, euhedral magnetite crystals disseminated					
442.50	444.00	Py00.1; Mg00.5	442.50	444.00	Q288681	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		races of pyrite, euhedral magnetite crystals disseminated					
444.00	445.50	Py00.1; Mg00.2	444.00	445.50	Q288682	1.50	0.019
		Pyrite 0.1%; Magnetite 0.2%					
		traces of pyrite, euhedral magnetite crystals disseminated					
445.50	447.00	Py00.1; Mg00.2	445.50	447.00	Q288683	1.50	0.007
		Pyrite 0.1%; Magnetite 0.2%					
		races of pyrite, euhedral magnetite crystals disseminated					
447.00	448.50	Py00.1; Mg00.2	447.00	448.50	Q288684	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.2%					
		traces of pyrite, euhedral magnetite crystals disseminated					
448.50	450.00	Py00.1; Mg00.2	448.50	450.00	Q288685	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.2%					
		traces of pyrite, euhedral magnetite crystals disseminated					
450.00		**End of DDH**					
		Number of samples: 278					
		Number of QAQC samples: 24					
		Total sampled length: 405.19					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_63

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	Carl, Reza	Township:	LEBEL	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	21/03/2014	Description date:	03/04/2014
		To:	27/03/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 522.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,571.625
North	0.0	0.000	5,331,550.221
Elevation	0.0	0.000	344.367

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	9.00	179.4°	-49.6°	No	Mag = 56886
ReflexEZS	69.00	184.4°	-49.4°	No	Mag = 56204
ReflexEZS	129.00	184.7°	-49.1°	No	Mag = 56022
ReflexEZS	189.00	187.1°	-48.6°	No	Mag = 56227
ReflexEZS	249.00	178.4°	-65.6°	Yes	Reflex broken. Mag = 55920
ReflexEZS	309.00	178.6°	-66.2°	Yes	Reflex broken. Mag = 56114
ReflexEZS	369.00	181.5°	-65.3°	Yes	Reflex broken. Mag = 56019
ReflexEZS	459.00	180.3°	-65.2°	Yes	Reflex broken. Mag = 55512
ReflexEZS	474.00	197.1°	-46.4°	No	Mag = 55051

Description

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	3.70	OVB					
		Overburden					
		Overburden					
3.70	55.55	V4; Cry; Vol	3.70	4.50	Q285716	0.80	0.022
		Trachyte; CRYSTALRICH; VOLCANICLASTIC	4.50	6.00	Q285717	1.50	0.036
		Brick red to pal reddish color. The unit predominantly show crystal rich and volcano clasts including some	6.00	7.50	Q285718	1.50	0.15
		pumice (pyroclasts). Somewhere the groundmass contains 10-15% subhedral ehedrual and cubic whitish	7.50	9.00	Q285719	1.50	0.013
		feldespar and quartz pseudomorphs and also 15-20% reddish volcano clasts. The red to pale pink glassy	9.00	10.50	Q285720	1.50	0.061
		fragments does not show any stretch to core axes. The core is very hard and can not be scratched by knife.	10.50	12.00	Q285721	1.50	0.017
		The unit is crossed by a network of quartz veinlets at variable orientation. Selective silicificationIntense and	12.00	13.50	Q285722	1.50	0.005
		pervasive potasic alteration masks the texture. Chlorite stringers wide 1-3mm cross the rock @20-30 dtca.	13.50	15.00	Q285723	1.50	<0.005
		At 42.30 the color sharply change to pal to yellow green due to intense pervasive sericite alteration, no more	15.00	16.50	Q285724	1.50	<0.005
		potassic alteration present and the abundance of crystals and clasts decreased to 1-5 %.	16.50	18.00	Q285727	1.50	0.005
		The unit contains fine grained pyrite veinlet up 0.5 %. The lower contact is sharp at 45.	18.00	19.50	Q285728	1.50	0.008
			19.50	21.00	Q285729	1.50	0.017
			21.00	22.50	Q285730	1.50	0.028
			22.50	24.00	Q285731	1.50	0.033
			24.00	25.50	Q285732	1.50	0.036
			25.50	27.00	Q285733	1.50	0.033
			27.00	28.50	Q285734	1.50	0.04
3.70	38.10	K03; Si01					
		Potassic 3; Silica 1					
		Intense pervasive potassic alteration.weak pervasive. silisification					
3.70	38.50	Py00.5					
		Pyrite 0.5%					
		Fine grain dissiminated as well as fill fractures up to 0.5%.					
3.70	27.10	Vt;3%;Qak;Ra;35°;;					
		veinlet (1-5 mm) 3% quartz-ankerite random 35°					
		A series of quartz with minore ankerite veinlets wide 1-4mm oblique the rock @ average 35 dtca. there is					
		no obvious mineralization associated with these veinlets.					
27.10	27.12	Vn;90%;Qtz;Vc;;;					
		vein (5 mm - 10 cm) 90% white quartz vein cross-cutting foliation					
		A 2cm quartz vein cross the core @45 dtca. It contains a large splash of chalcopyrite.					
27.12	79.10	Vt;3%;Qtz;Ra;35°;;	28.50	30.00	Q285735	1.50	0.025
		veinlet (1-5 mm) 3% white quartz random 35°	30.00	31.50	Q285736	1.50	0.023
		A series of quartz with minore ankerite veinlets wide 1-4mm oblique the rock @ average 35 dtca. there is	31.50	33.00	Q285737	1.50	0.03
		no obvious mineralization associated with these veinlets.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			33.00	34.50	Q285738	1.50	0.016
			34.50	36.00	Q285739	1.50	0.02
			36.00	37.50	Q285740	1.50	0.012
			37.50	39.00	Q285741	1.50	0.03
38.10	40.00	K02 **Potassic 2** Moderate pervasive potassic alteration	39.00	40.50	Q285742	1.50	0.029
40.00	42.50	Se01 **Sericite 1** Weak pervasive potassic and sericite alteration	40.50	42.00	Q285743	1.50	0.039
			42.00	43.50	Q285744	1.50	0.016
42.50	56.00	Se03 **Sericite 3** Intense pervasive potassic alteration	43.50	45.00	Q285745	1.50	0.01
			45.00	46.50	Q285746	1.50	0.006
			46.50	48.00	Q285747	1.50	<0.005
			48.00	49.50	Q285748	1.50	0.008
			49.50	51.00	Q285749	1.50	0.007
			51.00	52.50	Q285752	1.50	0.012
			52.50	54.00	Q285753	1.50	0.008
			54.00	55.50	Q285754	1.50	<0.005
			55.50	57.00	Q285755	1.50	0.019
55.55	85.45	S1 **Conglomerate 55°** Sharp contact at 55 is the beginning of this multi clasts conglomerate. whitish ankretic matrix contains 20-30 % rounded subrounded multi color pebbles with variable sizes. It is matrix supported and polygenetic and somewhere looks like breccias. The conglomerated support large casts size 10-30 cm. chlorite stringers cross oblige core. The rock is not magnetic, no calcitic and weak to moderately matrix is ankretic. General pyrite mineralized is trace but locally it increased by fine grained dusty disseminated as well as fill fractures or associated with chlorite stringers up to 0.5%.					
56.00	85.50	K01; Si01 **Potassic 1; Silica 1** Patchy weak vein control alteration. Patchy isolated silicification.	57.00	58.50	Q285756	1.50	0.031
			58.50	60.00	Q285757	1.50	0.028
			60.00	61.50	Q285758	1.50	0.008
			61.50	63.00	Q285759	1.50	0.026
			63.00	64.50	Q285760	1.50	0.014
			64.50	66.00	Q285761	1.50	0.009
			66.00	67.50	Q285762	1.50	0.016
			67.50	69.00	Q285763	1.50	0.008
			69.00	70.50	Q285764	1.50	0.01

Description				Assay				
				From	To	Sample number	Length	AuBest
				70.50	72.00	Q285765	1.50	0.02
				72.00	73.50	Q285766	1.50	0.035
				73.50	75.00	Q285767	1.50	0.006
				75.00	76.50	Q285768	1.50	0.016
				76.50	78.00	Q285769	1.50	0.009
				78.00	79.50	Q285770	1.50	0.171
79.10	79.50	Vn;35%;Qtz;;10°;;						
		vein (5 mm - 10 cm) 35% white quartz 10°						
		A white quartz vein wide 2-4 cm cuts the core @ 10 dtca. The margin mineralized up to 2% by some splash of chalcopyrite.						
79.50	108.00	Vt;1%;Qak;Ra;;;		79.50	81.00	Q285771	1.50	0.026
		veinlet (1-5 mm) 1% quartz-ankerite random		81.00	82.50	Q285772	1.50	<0.005
		A series of quartz with minore ankerite veinlets wide 1-2mm oblique the rock @ variable orientaion. There is no obvious mineralization associated with these veinlets.		82.50	84.00	Q285773	1.50	<0.005
				84.00	85.50	Q285774	1.50	<0.005
85.45	120.00	V4; Cry; Por						
		Trachyte; CRYSTALRICH; Porphyritic						
		Red brick to greyish color crystalrich trachyte or (Porphritic syenite?). Groundmass contains 10-15% whitish feldespar and quartz pseudomorphs. In the down hole it contains some volcano clasts (108-108.45). From 90.77-91.50 this interval including a piece of upper unit or conglomerate. No major quartz veins present. The mineralization is trace locally increased up to 0.5% disseminated as well as fill fracture pyrite. chlorite stringers cross oblige core. The rock is not magnetic, no calcitic and non ankretic. Intense pervasive potassic alteration has changed color to red brick.						
85.50	115.60	K03		85.50	87.00	Q285777	1.50	<0.005
		Potassic 3						
		Intense pervasive potasic alteration.						
86.00	90.00	Py00.5		87.00	88.50	Q285778	1.50	0.006
		Pyrite 0.5%		88.50	90.00	Q285779	1.50	<0.005
		fine grained dissiminated pyrite		90.00	91.50	Q285780	1.50	0.049
90.77	91.50	S1		91.50	93.00	Q285781	1.50	0.026
		Conglomerate 45°		93.00	94.50	Q285782	1.50	<0.005
		From 90.77-91.50 this interval including a piece of upper unit or conglomerate.		94.50	96.00	Q285783	1.50	<0.005
				96.00	97.50	Q285784	1.50	0.006
				97.50	99.00	Q285785	1.50	0.008
				99.00	100.50	Q285786	1.50	<0.005
				100.50	102.00	Q285787	1.50	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
			102.00	103.50	Q285788	1.50	0.011
			103.50	105.00	Q285789	1.50	0.009
			105.00	106.50	Q285790	1.50	0.029
			106.50	108.00	Q285791	1.50	0.023
108.00	137.60	Py00.5; Hem01; Mo00.4	108.00	109.50	Q285792	1.50	<0.005
		Pyrite 0.5%; SPECULARITE 1%; Molybdenite 0.4%	109.50	111.00	Q285793	1.50	0.027
		Fine grained, patchy and disseminated pyrite locally up to 0.5%. specularite veinlets up 1% and 0.4% moly.	111.00	112.50	Q285794	1.50	0.01
			112.50	114.00	Q285795	1.50	0.019
			114.00	115.50	Q285796	1.50	0.012
			115.50	117.00	Q285797	1.50	0.03
108.00	118.00	Vn;25%;Qtz;Ra;;;					
		vein (5 mm - 10 cm) 25% white quartz random					
		255.80 256.20 QUARTZ PARALLEL SMALL VEIN INTENSE					
115.60	123.00	Si01	117.00	118.50	Q285798	1.50	0.021
		Silica 1	118.50	120.00	Q285799	1.50	0.025
		Weak pervasive silicification. The rock is ver hard and can not be scratch by knife.					
120.00	181.80	V4; Vol	120.00	121.50	Q285802	1.50	0.055
		Trachyte; VOLCANICLASTIC	121.50	123.00	Q285803	1.50	0.019
		Gradationally the hole goes into green grey matrix contains 20% pinkish unrounded and rounded volcanoclasts at the variable size that mostly shows intense potassic alteration and has become reddish. Somewhere the matrix shows weak porphyritic texture. rounded clasts are possibly pumice that are fill by other minerals.					
		The mineralization consists fine grained disseminated pyrite as well as fill fractures and veinlets up to locally 2%. Intense pervasive and weak silicification. The rock is hard and cannot be scratched by knife					
		The rock is not magnetic, not calcitic nor ankretic.					
		Broken and lost core from 177m to 177.55m					
123.00	165.00	K02; Ank02	123.00	124.50	Q285804	1.50	0.018
		Potassic 2; Ankerite 2	124.50	126.00	Q285805	1.50	0.11
		Moderate pervasive potassic alteration and moderate isolated ankerite alteration.	126.00	127.50	Q285806	1.50	0.024
			127.50	129.00	Q285807	1.50	0.026
128.00	128.10	Vn;80%;Qtz;Sm;;Py03;	129.00	130.50	Q285808	1.50	0.03
		vein (5 mm - 10 cm) 80% white quartz swarm Pyrite 3%	130.50	132.00	Q285809	1.50	0.38
		A 10 cm quartz vein grey color cut the core. It associated with fine grained pyrite veinlets at the beginning and inside.	132.00	133.50	Q285810	1.50	0.09
			133.50	135.00	Q285811	1.50	0.069
			135.00	136.50	Q285812	1.50	0.041
			136.50	138.00	Q285813	1.50	0.108

Description			Assay				
			From	To	Sample number	Length	AuBest
137.75	142.00	Py00.5 **Pyrite 0.5%** 0.5 dusty dissiminated pyrite	138.00	139.50	Q285814	1.50	0.169
			139.50	141.00	Q285815	1.50	0.1
			141.00	142.50	Q285816	1.50	0.287
			142.50	144.00	Q285817	1.50	0.1
			144.00	145.50	Q285818	1.50	0.052
			145.50	147.00	Q285819	1.50	0.012
			147.00	148.50	Q285820	1.50	0.033
			148.50	150.00	Q285821	1.50	0.04
			150.00	151.50	Q285822	1.50	0.064
150.30	164.00	Py00.5 **Pyrite 0.5%** 150.30 164.00 PYRITE 0.5 DISSEMINATED	151.50	153.00	Q285823	1.50	0.102
			153.00	154.50	Q285824	1.50	0.238
			154.50	156.00	Q285827	1.50	0.06
			156.00	157.50	Q285828	1.50	0.041
			157.50	159.00	Q285829	1.50	0.034
			159.00	160.50	Q285830	1.50	0.019
			160.50	162.00	Q285831	1.50	0.057
			162.00	163.50	Q285832	1.50	0.038
			163.50	165.00	Q285833	1.50	0.035
165.00	205.00	K03 **Potassic 3** Intense pervasive potassic alteration.	165.00	166.50	Q285834	1.50	0.066
			166.50	168.00	Q285835	1.50	0.189
			168.00	169.50	Q285836	1.50	0.095
			169.50	171.00	Q285837	1.50	0.055
			171.00	172.50	Q285838	1.50	0.052
			172.50	174.00	Q285839	1.50	0.115
			174.00	175.50	Q285840	1.50	0.148
			175.50	177.00	Q285841	1.50	0.018
			177.00	178.50	Q285842	1.50	0.022
			178.50	180.00	Q285843	1.50	0.086
			180.00	181.50	Q285844	1.50	0.022
			181.50	183.00	Q285845	1.50	0.022
181.80	246.20	V4; Por; Cry **Trachyte; Porphyritic; CRYSTALRICH** Red grey pal green porphyritic trachyte. The texture goes in and out. The matrix contains 10-20% grey feldspar and pseudomorph quartz. No specific orientation of crystals.Somewhere a few fragments supported by pale grey albitized matrix .	183.00	184.50	Q285846	1.50	0.032
			184.50	186.00	Q285847	1.50	0.025
			186.00	187.50	Q285848	1.50	0.14
			187.50	189.00	Q285849	1.50	0.05

Description			Assay				
			From	To	Sample number	Length	AuBest
		Brick red Intense pervasive potassic alteration with grey partially silicification and weak sericitized patch and chorte stringeres. There is pale grey one meter breccia segment (189m). No calcite and no magnetite.	189.00	190.50	Q285852	1.50	0.081
			190.50	192.00	Q285853	1.50	0.093
			192.00	193.50	Q285854	1.50	0.092
			193.50	195.00	Q285855	1.50	0.008
			195.00	196.50	Q285856	1.50	0.072
			196.50	198.00	Q285857	1.50	0.086
			198.00	198.85	Q285858	0.85	0.011
198.85	200.80	Vm;50%;Qak;An;;; **major vein (10 cm or greater) 50% quartz-ankerite anastomosing - braided fabric** Hydrothermal quartz with minor ankerite vein including crashed rock as well as some veins wide 5-10 mm cross the core. There is no mineralization associated with these structures.	198.85	200.00	Q285859	1.15	<0.005
			200.00	201.00	Q285860	1.00	0.055
			201.00	202.50	Q285861	1.50	0.016
			202.50	204.00	Q285862	1.50	0.018
			204.00	205.50	Q285863	1.50	0.061
205.00	207.50	Cl01 **Chlorite 1** weak chorite alteration. The color in this interval is green.	205.50	207.00	Q285864	1.50	0.072
			207.00	208.50	Q285865	1.50	0.029
207.50	248.00	K03 **Potassic 3** Intense pervasive potassic alteration.	208.50	210.00	Q285866	1.50	0.056
			210.00	211.50	Q285867	1.50	0.072
			211.50	213.00	Q285868	1.50	0.036
			213.00	214.50	Q285869	1.50	0.044
213.05	213.20	Vn;10%;Sgq;Vc;;Py00.5; **vein (5 mm - 10 cm) 10% smoky grey quartz vein cross-cutting foliation Pyrite 0.5%** A Smoky grey quartz with minor chlorite oblique the rock @45 dtca. There is no mineralization associated with this structure although the rock mineralized by fills fractures up 0.5%.	214.50	216.00	Q285870	1.50	0.007
			216.00	217.50	Q285871	1.50	0.011
			217.50	219.00	Q285872	1.50	0.014
			219.00	220.50	Q285873	1.50	0.027
			220.50	222.00	Q285874	1.50	0.024
			222.00	223.50	Q285877	1.50	0.033
			223.50	225.00	Q285878	1.50	0.112
			225.00	226.50	Q285879	1.50	0.018
			226.50	228.00	Q285880	1.50	0.051
			228.00	229.50	Q285881	1.50	0.039
			229.50	231.00	Q285882	1.50	0.044
			231.00	232.50	Q285883	1.50	0.066
			232.50	234.00	Q285884	1.50	0.143
			234.00	235.50	Q285885	1.50	0.049
			235.50	237.00	Q285886	1.50	0.048

Description			Assay				
			From	To	Sample number	Length	AuBest
			237.00	238.50	Q285887	1.50	0.235
			238.50	240.00	Q285888	1.50	0.033
			240.00	241.50	Q285889	1.50	0.008
			241.50	243.00	Q285890	1.50	0.055
			243.00	244.50	Q285891	1.50	0.005
			244.50	246.00	Q285892	1.50	0.013
			246.00	247.50	Q285893	1.50	0.009
246.20	330.00	V4a; Aph; Bx	247.50	249.00	Q285894	1.50	0.02
		Trachyte Altered; APHANITIC; Brecciated					
		From here the porphyritic texture fade and the groundmass become massive ,fine grained ads highly fractured.					
		No changes in color still red brick. Quartz chlorite veinlets and stocwork up to 8% parallel to core axes.					
		Generallpyrite disseminated and fills fracture up to 1%. somewhere it increased locally to 5% (289-301.50)					
		Intense pervasive potassic and moderate pervasive silicification. Micro fratures fill by wisp sericite and chorite					
		look like brecciated.No magnetite and no calcite					
		This interval predominantly shows aphanitic glassy groundmass with perlitic texture and selective ankerite and					
		weak to moderate silicification					
		The rock is hard no scratched by knife.					
248.00	252.00	K03; Cl01; Se01; Si01	249.00	250.50	Q285895	1.50	0.125
		Potassic 3; Chlorite 1; Sericite 1; Silica 1	250.50	252.00	Q285896	1.50	0.443
		This unit shows intense pervasive, potassic, weak chlorite, weak silicification and weak fill fractures					
		sericite alteration.					
252.00	255.00	Si01; K01	252.00	253.50	Q285897	1.50	0.039
		Silica 1; Potassic 1	253.50	255.00	Q285898	1.50	0.156
		weak potassic, weak chlorite, weak silicification pervasive and weak fill fractures sericite alteration.					
255.00	325.10	K03; Se01; Si01; Cl01	255.00	256.50	Q285899	1.50	0.029
		Potassic 3; Sericite 1; Silica 1; Chlorite 1					
		This interval shows intense pervasive, potassic, weak chlorite, weak silicification and weak fill fractures					
		sericite alteration.					
255.15	256.10	Vn;30%;;Ra;10°;Cp02;					
		vein (5 mm - 10 cm) 30% random 10° Chalcopyrite 2%					
		Two whitish quartz_ carbonate and minor dark green chlorite veins wide 1 and 10cm oblique the core.					
		The second one contains a few large splash of chalcopyrite.					
256.00	281.20	PbS01; Cp01; Py00.5	256.50	258.00	Q285902	1.50	1.51
		Galena 1%; Chalcopyrite 1%; Pyrite 0.5%	258.00	259.50	Q285903	1.50	1.395
		208.35 208.40 GALENA 1.0 DISSEMINATED	259.50	261.00	Q285904	1.50	0.53
		255.80 256.20 CHALCOPYRITE 1.0 DISSEMINATED	261.00	262.50	Q285905	1.50	0.773
		256.55 281.20 PYRITE 0.5 DISSEMINATED	262.50	264.00	Q285906	1.50	0.653

Description			Assay				
			From	To	Sample number	Length	AuBest
			264.00	265.50	Q285907	1.50	1.51
			265.50	267.00	Q285908	1.50	0.445
			267.00	268.50	Q285909	1.50	0.262
			268.50	270.00	Q285910	1.50	0.361
			270.00	271.50	Q285911	1.50	0.776
			271.50	273.00	Q285912	1.50	0.941
			273.00	274.50	Q285913	1.50	0.509
			274.50	276.00	Q285914	1.50	0.488
			276.00	277.50	Q285915	1.50	0.021
276.40	276.50	Vn;95%;;Ra;;;	277.50	279.00	Q285916	1.50	0.14
		vein (5 mm - 10 cm) 95% random	279.00	280.50	Q285917	1.50	0.214
		whitish quartz_ minor dark green chlorite veins wide 10 oblique the core. no mineralization inside or outside.	280.50	282.00	Q285918	1.50	0.242
281.20	289.00	Py00.5	282.00	283.50	Q285919	1.50	1.085
		Pyrite 0.5%	283.50	285.00	Q285920	1.50	0.224
		fine grain dissiminated and fill fractures	285.00	286.50	Q285921	1.50	1.04
			286.50	288.00	Q285922	1.50	1.26
			288.00	289.50	Q285923	1.50	0.601
289.00	301.50	Py05; Hem01	289.50	291.00	Q285924	1.50	0.724
		Pyrite 5%; SPECULARITE 1%	291.00	292.50	Q285927	1.50	0.43
		Generall fine grained pyrite disseminated and fills fracture up to 1%. somewhere it increased in sixe and has become medium grained and locally to 5% (289-301.50)	292.50	294.00	Q285928	1.50	1.07
			294.00	295.50	Q285929	1.50	0.885
			295.50	297.00	Q285930	1.50	0.603
			297.00	298.50	Q285931	1.50	1.71
			298.50	300.00	Q285932	1.50	0.538
			300.00	301.50	Q285933	1.50	0.547
301.50	345.00	Py00.6	301.50	303.00	Q285934	1.50	0.199
		Pyrite 0.6%	303.00	304.50	Q285935	1.50	0.68
		fine to medium grained dissiminated as well as fill fgractures.	304.50	306.00	Q285936	1.50	0.048
			306.00	307.50	Q285937	1.50	0.071
			307.50	309.00	Q285938	1.50	0.031
			309.00	310.50	Q285939	1.50	0.28
			310.50	312.00	Q285940	1.50	0.404
			312.00	313.50	Q285941	1.50	0.352
			313.50	315.00	Q285942	1.50	0.507

Description			Assay				
			From	To	Sample number	Length	AuBest
			315.00	316.50	Q285943	1.50	0.681
			316.50	318.00	Q285944	1.50	0.51
			318.00	319.50	Q285945	1.50	0.404
			319.50	321.00	Q285946	1.50	1.035
			321.00	322.50	Q285947	1.50	0.089
			322.50	324.00	Q285948	1.50	0.047
			324.00	325.50	Q285949	1.50	0.247
325.10	352.00	K01; Si03; Si; Se01; Cl01; Ank02; Alb01 **Potassic 1; Silica 3; Silica; Sericite 1; Chlorite 1; Ankerite 2; Albite 1** Weak selective potassic and ankretic, intens percasive silica and albite, moderate selective chorite and sericite alteration.	325.50	327.00	Q285952	1.50	0.619
			327.00	328.50	Q285953	1.50	0.334
			328.50	330.00	Q285954	1.50	0.293
330.00	335.50	V4; Bx **Trachyte 40°; Brecciated** Light greenish to light brownish highly brecciated unit. This is hydrothermal breccia zones with sharp angular fragments mostly ankerite and calcite or some crashed of the host trachyte with associated quartz. The breccia contains alteration minerals in distinct zones with sharp boundaries. This unit mineralized by 2% fine grained pyrite and locally trace medium grained chalcopyrite. Alteration is hard albite and silicification.					
330.00	335.50	Bxo **Breccia open 40°** Light greenish to light brownish highly brecciated unit. This is hydrothermal breccia zones with sharp angular fragments mostly ankerite and calcite or some crashed of the host trachyte with associated quartz. The breccia contains alteration minerals in distinct zones with sharp boundaries. This unit mineralized by 2% fine grained pyrite and locally trace medium grained chalcopyrite. Alteration is hard albite and silicification.	330.00	331.50	Q285955	1.50	0.588
			331.50	333.00	Q285956	1.50	0.297
			333.00	334.50	Q285957	1.50	0.194
			334.50	336.00	Q285958	1.50	0.142
335.50	361.40	V4a **Trachyte Altered** This is a strongly mineralized and altered trachyte with greenish reddish to greyish color. Moderate patchy silicification and albitization. Moderate pervasive and strong isolated(344-345.5 bleach) ankerite alteration. Few localized zones with dark grey fragmental matrix and medium to coarse angular reddish fragments brecciated within. Fine to medium grained disseminated pyrite as well as fills fractures locally up 2%. Microfractures fills by chlorite-quartz veinlets with molybdenite. The assay result shows gold spotty mineralization at this unit.	336.00	337.50	Q285959	1.50	0.677
			337.50	339.00	Q285960	1.50	0.091
			339.00	340.50	Q285961	1.50	0.08
			340.50	342.00	Q285962	1.50	0.437
			342.00	343.50	Q285963	1.50	0.146
			343.50	345.00	Q285964	1.50	0.072
			345.00	346.50	Q285965	1.50	1.11
			346.50	348.00	Q285966	1.50	1.8
			348.00	349.50	Q285967	1.50	2.38
			349.50	351.00	Q285968	1.50	1.955
			351.00	352.50	Q285969	1.50	0.248
352.00	362.00	Ank01; Cl01; Se01; Si02; K01 **Ankerite 1; Chlorite 1; Sericite 1; Silica 2; Potassic 1**	352.50	354.00	Q285970	1.50	0.409
			354.00	355.50	Q285971	1.50	0.163

Description			Assay				
			From	To	Sample number	Length	AuBest
		moderate selective potassic and ankretic, intens percasive silica and moderate selective chorite alteration.	355.50	357.00	Q285972	1.50	0.616
			357.00	358.50	Q285973	1.50	1.955
			358.50	360.00	Q285974	1.50	0.697
			360.00	361.50	Q285977	1.50	0.912
361.40	381.50	V4	361.50	363.00	Q285978	1.50	0.303
		Trachyte 45°					
		Green greyish color. Moderate patchy alteration. Moderate pervasive and strong isolated ankerite alteration. Fine to medium grained disseminated pyrite as well as fills fractures locally up 2%. Fractures fills by reddish feldespar-quartz veinlets with molybdenite. locally the unit contains few fine to med up to 4mm rounded white feldspar.					
362.00	412.30	Ank01; Cl02; Cl; Se03	363.00	364.50	Q285979	1.50	0.059
		Ankerite 1; Chlorite 2; Chlorite; Sericite 3	364.50	366.00	Q285980	1.50	0.112
		Weak selective ankretic, moderate selective chorite and intense sericite alteration.	366.00	367.50	Q285981	1.50	0.597
			367.50	369.00	Q285982	1.50	0.108
			369.00	370.50	Q285983	1.50	0.13
			370.50	372.00	Q285984	1.50	0.023
			372.00	373.50	Q285985	1.50	0.02
			373.50	375.00	Q285986	1.50	0.01
			375.00	376.50	Q285987	1.50	0.009
			376.50	378.00	Q285988	1.50	0.015
			378.00	379.50	Q285989	1.50	0.011
			379.50	381.00	Q285990	1.50	<0.005
			381.00	382.50	Q285991	1.50	0.014
381.50	412.30	V4a	382.50	384.00	Q285992	1.50	0.079
		Trachyte Altered	384.00	385.50	Q285993	1.50	0.089
		The upper and lower contact of this unit brecciated and they are very sharp..Brown grey fragmental texture including reddish irregular fragments up 10%. Quartz with major ankerite veinlets with different time generation cut the rock @ 40 dtca and Secondary (variable orientation). Pyrite disseminated and fill fractures mineralization selectively reaches to 1%. Moderately selective potassium and silica alteration. Moderate selective potassic and moderate selective ankerite alteration. thje rock is very hard possible moderate silica al;teration. from 429.5-430.10 the rock shows strongly deformation and hydrothermal bracciated zone. 436.6-442 the rock shows intense potassic and moderate silica alteration and re crystallization. The rock is not magnetic and mineralized by chalcopyrite patches and pyrite disseminated. The magnetite is variable from weak in the beigeish part to very strong in the blackish part throughout the core. The intensity has negative relation with pyrite mineralization.	385.50	387.00	Q285994	1.50	0.036
			387.00	388.50	Q285995	1.50	0.074
			388.50	390.00	Q285996	1.50	0.029
			390.00	391.50	Q285997	1.50	0.023
			391.50	393.00	Q285998	1.50	0.048
			393.00	394.50	Q285999	1.50	2.32
			394.50	396.00	Q206002	1.50	1.26
			396.00	397.50	Q206003	1.50	0.692
			397.50	399.00	Q206004	1.50	1.18

Description			Assay				
			From	To	Sample number	Length	AuBest
			399.00	400.50	Q206005	1.50	0.214
			400.50	402.00	Q206006	1.50	1.98
			402.00	403.50	Q206007	1.50	0.101
			403.50	405.00	Q206008	1.50	0.302
			405.00	406.50	Q206009	1.50	0.071
			406.50	408.00	Q206010	1.50	0.135
			408.00	409.50	Q206011	1.50	0.04
			409.50	411.00	Q206012	1.50	0.191
			411.00	412.50	Q206013	1.50	0.811
412.30	522.00	V4T; Tuff	412.50	414.00	Q206014	1.50	2.16
		Trachytic tuff; TUFF	414.00	415.50	Q206015	1.50	0.827
		Sharp broken, brecciated and deformed upper contact marks the beginning of this trachyte tuff. Fine grained green greyish matrix well foliated @45 dtca. The ankerite veins up to 25% elongated on plan of foliation @45 dtca. Intense selective ankeraite as well as weak green chlorite pervasive alteration. Pyrite mineralization is trace. The magnetite is variable at the beginning. It start with intense and pervasive but after 452 m it becomes trace to none.	415.50	417.00	Q206016	1.50	0.215
			417.00	418.50	Q206017	1.50	0.113
			418.50	420.00	Q206018	1.50	0.138
			420.00	421.50	Q206019	1.50	0.112
			421.50	423.00	Q206020	1.50	0.126
			423.00	424.50	Q206021	1.50	0.146
			424.50	426.00	Q206022	1.50	0.079
			426.00	427.50	Q206023	1.50	0.033
			427.50	429.00	Q206024	1.50	0.043
			429.00	430.50	Q206027	1.50	0.06
			430.50	432.00	Q206028	1.50	0.047
			432.00	433.50	Q206029	1.50	0.024
			433.50	435.00	Q206030	1.50	0.052
			435.00	436.50	Q206031	1.50	0.231
			436.50	438.00	Q206032	1.50	0.533
			438.00	439.50	Q206033	1.50	0.904
			439.50	441.00	Q206034	1.50	0.456
			441.00	442.50	Q206035	1.50	0.534
			442.50	444.00	Q206036	1.50	0.265
			444.00	445.50	Q206037	1.50	0.054
			445.50	447.00	Q206038	1.50	0.025
			447.00	448.50	Q206039	1.50	0.109
			448.50	450.00	Q206040	1.50	0.008

Description	Assay				
	From	To	Sample number	Length	AuBest
	450.00	451.50	Q206041	1.50	0.013
	451.50	453.00	Q206042	1.50	0.029
	453.00	454.50	Q206043	1.50	0.098
	454.50	456.00	Q206044	1.50	0.038
	456.00	457.50	Q206045	1.50	0.019
	457.50	459.00	Q206046	1.50	0.022
	459.00	460.50	Q206047	1.50	0.025
	460.50	462.00	Q206048	1.50	0.055
	462.00	463.50	Q206049	1.50	0.129
	463.50	465.00	Q206052	1.50	0.052
	465.00	466.50	Q206053	1.50	0.013
	466.50	468.00	Q206054	1.50	0.071
	468.00	469.50	Q206055	1.50	0.053
	469.50	471.00	Q206056	1.50	0.059
	471.00	472.50	Q206057	1.50	0.056
	472.50	474.00	Q206058	1.50	0.236
	474.00	475.50	Q206059	1.50	0.288
	475.50	477.00	Q206060	1.50	0.239
	477.00	478.50	Q206061	1.50	0.128
	478.50	480.00	Q206062	1.50	0.03
	480.00	481.50	Q206063	1.50	0.03
	481.50	483.00	Q206064	1.50	3.38
	483.00	484.50	Q206065	1.50	0.064
	484.50	486.00	Q206066	1.50	0.055
	486.00	487.50	Q206067	1.50	0.349
	487.50	489.00	Q206068	1.50	0.015
	489.00	490.50	Q206069	1.50	<0.005
	490.50	492.00	Q206070	1.50	0.011
	492.00	493.50	Q206071	1.50	0.149
	493.50	495.00	Q206072	1.50	0.068
	495.00	496.50	Q206073	1.50	0.252
	496.50	498.00	Q206074	1.50	0.15
	498.00	499.50	Q206077	1.50	0.101
	499.50	501.00	Q206078	1.50	0.219

Description			Assay				
			From	To	Sample number	Length	AuBest
			501.00	502.50	Q206079	1.50	0.039
			502.50	504.00	Q206080	1.50	0.061
			504.00	505.50	Q206081	1.50	0.07
			505.50	507.00	Q206082	1.50	0.019
			507.00	508.50	Q206083	1.50	0.011
			508.50	510.00	Q206084	1.50	0.066
			510.00	511.50	Q206085	1.50	0.009
			511.50	513.00	Q206086	1.50	0.023
			513.00	514.50	Q206087	1.50	0.014
			514.50	516.00	Q206088	1.50	0.009
			516.00	517.50	Q206089	1.50	0.042
			517.50	519.00	Q206090	1.50	0.006
			519.00	520.50	Q206091	1.50	0.049
			520.50	522.00	Q206092	1.50	0.013
412.30	422.30	K02; K; Ank02					
		Potassic 2; Potassic; Ankerite 2					
		Moderate pervasive potassic and ankretic alteration. weak selected silica alteration.					
522.00		**End of DDH**					
		Number of samples: 347					
		Number of QAQC samples: 30					
		Total sampled length: 518.30					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_64

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	Reza Hosseinnejad	Township:	LEBEL	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	27/03/2014	Description date:	04/04/2014
		To:	04/04/2014		

Collar

Azimuth:	210.0°
Dip:	-50.0°
Length:	598.75 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,571.630
North	0.0	0.000	5,331,550.792
Elevation	0.0	0.000	344.361

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	210.0°	-50.0°	No	
ReflexEZS	15.00	244.1°	-49.4°	Yes	Mag = 106079
ReflexEZS	21.00	211.7°	-49.3°	No	Mag = 56946
ReflexEZS	87.00	214.0°	-47.9°	No	Mag = 56170
ReflexEZS	147.00	338.2°	-45.6°	Yes	Mag = 99787
ReflexEZS	156.00	215.7°	-45.4°	No	Mag = 56077
ReflexEZS	216.00	216.6°	-45.6°	No	Mag = 55846
ReflexEZS	279.00	218.0°	-45.2°	No	Mag = 55747
ReflexEZS	339.00	220.8°	-44.8°	No	Mag = 55638
ReflexEZS	399.00	220.9°	-44.8°	No	Mag = 55563
ReflexEZS	459.00	222.7°	-45.0°	No	Mag = 55611
ReflexEZS	519.00	226.2°	-43.8°	No	Mag = 54980

Description

Re-logged by Mike Laliberty Sept 2014.

Core size: NQ Cemented: No Stored: No

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
ReflexEZS	579.00	195.0°	-43.8°	Yes	Mag = 95350
ReflexEZS	582.00	225.8°	-43.9°	No	Mag = 54959

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	3.90	OVB **Overburden** 3m of casing.					
3.90	35.60	V4; PorFG **Trachyte; PORPHYRITIC (FINE GROUNDMASS)** Grey-red to brick red porphyritic trachyte with 10-20% sub to euhedral feldspar phenocrysts in a fine grained groundmass. Highly microfractured with occasional qtz-filled hydrothermal brecciation. Non reactionary for both ankerite (except in some veins) and calcite tests. Moderate to locally strong fracture-controlled chloritic alteration, moderate patchy potassic (and/or hematitic) alteration and a weak wispy yellow/green sericitic alteration. Non-magnetic. 1-2% white qtz/chlorite +/- minor ankerite veining the majority of which is post potassic/hematitic alteration (little to no red staining of veins). Generally trace to 0.5% finely disseminated py and occasionally in py stringers. Trace cpy is associated with qtz/chlorite veining. Au values up to 0.294 g/t (16.5-18m) not necessarily associated with higher py abundance.					
3.90	35.60	Cl02; K02; He02; Se01 **Chlorite 2; Potassic 2; Hematite 2; Sericite 1** Non reactionary for both ankerite (except in some veins) and calcite tests. Moderate to locally strong fracture-controlled chloritic alteration, moderate patchy potassic (and/or hematitic) alteration and a weak wispy yellow/green sericitic alteration.	3.90	6.00	Q206093	2.10	0.111
3.90	11.00	Py00.5 **Pyrite 0.5%** 0.5-1% finely disseminated py.					
4.50	16.40	Vn;3%;Qcl;;;Py00.1; **vein (5 mm - 10 cm) 3% quartz-chlorite Pyrite 0.1%** Qtz veins with black chlorite along the margins at various angles from 10-85 dtca.	6.00	7.50	Q206094	1.50	0.078
			7.50	9.00	Q206095	1.50	0.141
			9.00	10.50	Q206096	1.50	0.057
			10.50	12.00	Q206097	1.50	<0.005
			12.00	13.50	Q206098	1.50	0.008
			13.50	15.00	Q206099	1.50	<0.005
			15.00	16.50	Q206102	1.50	0.012
			16.50	18.00	Q206103	1.50	0.294
			18.00	19.50	Q206104	1.50	0.006
18.80	29.70	Vn;1%;Qcl;;85°;Py00.1 Cp00.1; **vein (5 mm - 10 cm) 1% quartz-chlorite 85° Pyrite 0.1% Chalcopyrite 0.1%** Narrow (<1cm wide) qtz +/- chlorite veins nearly perpendicular tca with occasional py or cpy.	19.50	21.00	Q206105	1.50	0.027
			21.00	22.50	Q206106	1.50	0.016
			22.50	24.00	Q206107	1.50	0.02
24.00	40.80	Py00.5; Cp00.1 **Pyrite 0.5%; Chalcopyrite 0.1%** 0.5-1% finely disseminated py. Trace cpy and possibly moly in qtz/chlorite veins. Au values up to 0.123 g/t (37.539m) in this interval.	24.00	25.50	Q206108	1.50	0.072
			25.50	27.00	Q206109	1.50	0.033
			27.00	28.50	Q206110	1.50	0.025
			28.50	30.00	Q206111	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
			30.00	31.50	Q206112	1.50	0.032
31.30	38.60	Vn;3%;Qcl;;10°;Py00.1 Cp00.1;	31.50	33.00	Q206113	1.50	0.041
		vein (5 mm - 10 cm) 3% quartz-chlorite 10° Pyrite 0.1% Chalcopyrite 0.1%	33.00	34.50	Q206114	1.50	0.023
		Narrow (<2cm wide) qtz +/- chlorite veins that run sub-parallel tca with occasional py and cpy.	34.50	36.00	Q206115	1.50	0.032
35.60	37.90	V4; PorFG					
		Trachyte; PORPHYRITIC (FINE GROUNDMASS)					
		Greenish-grey porphyritic trachyte that has undergone moderate recrystalization obliterating the original texture in much of the unit. Moderate to strong patchy to pervasive silicic alteration, weak pervasive ankeritic alteration, weak fracture-controlled chloritic alteration, weak wispy sericitic alteration and a weak patchy potassic alteration. Non-magnetic. 1-2% qtz/chlorite veining 5-30 dtca occasionally with trace cpy and possibly moly. 1-2% finely disseminated py. Gradational upper and lower contacts.					
35.60	37.90	Si02; Ank01; Cl01; Se01; K01	36.00	37.50	Q206116	1.50	0.046
		Silica 2; Ankerite 1; Chlorite 1; Sericite 1; Potassic 1	37.50	39.00	Q206117	1.50	0.123
		Moderate to strong patchy to pervasive silicic alteration, weak pervasive ankeritic alteration, weak fracture-controlled chloritic alteration, weak wispy sericitic alteration and a weak patchy potassic alteration.					
37.90	73.50	S1					
		Conglomerate					
		Light green Temiskaming conglomerate. Polymictic rounded to sub-rounded unsorted clasts (up to 20cm wide) in a fine grained ankerite cement. Moderate to strong ankeritic alteration, weak vein-controlled chloritic alteration, weak vein-controlled potassic alteration and patchy intervals of leucoxene. Non-magnetic. 1-2% qtz/chlorite veining and hydrothermal breccia fill. Generally trace py. Au values up to 0.129 g/t (70.5-72m) toward the lower contact.					
37.90	73.50	Ank02; Cl01; K01; Lcx01					
		Ankerite 2; Chlorite 1; Potassic 1; Leucoxene 1					
		Moderate to strong ankeritic alteration, weak vein-controlled chloritic alteration, weak vein-controlled potassic alteration and patchy intervals of leucoxene.					
38.70	48.70	Vn;3%;Qcl;;10°;Py00.1;	39.00	40.50	Q206118	1.50	0.077
		vein (5 mm - 10 cm) 3% quartz-chlorite 10° Pyrite 0.1%	40.50	42.00	Q206119	1.50	0.012
		Narrow (<2cm wide) qtz +/- chlorite and/or ankeriteveins with moderate potassic/hematite alteration that run sub-parallel tca with occasional py.	42.00	43.50	Q206120	1.50	0.025
			43.50	45.00	Q206121	1.50	0.009
			45.00	46.50	Q206122	1.50	0.02
			46.50	48.00	Q206123	1.50	0.012
			48.00	49.50	Q206124	1.50	<0.005
48.70	49.90	Vn;20%;Qcl;In;;Py00.1;	49.50	51.00	Q206127	1.50	0.011
		vein (5 mm - 10 cm) 20% quartz-chlorite infilled fractures Pyrite 0.1%	51.00	52.50	Q206128	1.50	0.016
		Stockwork-like qtz veining/fracture fills with minor qtz flooding and weak to moderate potassic/hematitic alteration. Trace py.	52.50	54.00	Q206129	1.50	0.012
			54.00	55.50	Q206130	1.50	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
			55.50	57.00	Q206131	1.50	0.031
			57.00	58.50	Q206132	1.50	0.012
			58.50	60.00	Q206133	1.50	0.008
			60.00	61.50	Q206134	1.50	0.01
			61.50	63.00	Q206135	1.50	0.015
			63.00	64.50	Q206136	1.50	0.009
			64.50	66.00	Q206137	1.50	0.015
			66.00	67.50	Q206138	1.50	0.006
			67.50	69.00	Q206139	1.50	0.023
			69.00	70.50	Q206140	1.50	0.054
			70.50	72.00	Q206141	1.50	0.129
			72.00	73.50	Q206142	1.50	0.059
73.50	151.00	V4; Vol; Mass; PorFG; Vol	73.50	75.00	Q206143	1.50	0.025
		Trachyte; VOLCANICLASTIC; Massive; PORPHYRITIC (FINE GROUNDMASS); VOLCANICLASTIC	75.00	76.50	Q206144	1.50	0.028
		Grey-red to brownish-red locally porphyritic generally massive trachyte flows with intervals of volcanoclastic/lithic trachyte. There are no sharp contacts or chilled margins but interflow boundaries may be marked by qtz-filled hydrothermal brecciation. Strong patchy to pervasive potassic alteration, moderate patchy and fracture-controlled hematitic alteration (specular hematite stringers and halos around some feldspar phenocrysts), weak to moderate wispy sericitic alteration and patches of leucoxene blebs. The tests for calcite and ankerite were non-reactive until around 94m when a weak to moderate pervasive ankeritic alteration comes in. Non-magnetic. There is generally 1-2% narrow qtz +/- chlorite veining however, there are concentrations of qtz-filled hydrothermal brecciation which may mark interflow contacts. From 100.2-100.4m there is a late creamy pink carbonate(?) vein/fracture fill(?) that appears to have brecciated qtz fragments and 0.5-1% chalcopyrite. Generally trace py but locally up to 0.5% finely disseminated. Trace cpy associated with some qtz/chlorite veins.	76.50	78.00	Q206145	1.50	0.017
			78.00	79.50	Q206146	1.50	<0.005
			79.50	81.00	Q206147	1.50	<0.005
			81.00	82.50	Q206148	1.50	<0.005
73.50	94.00	K03; He02; Se01; Lcx01					
		Potassic 3; Hematite 2; Sericite 1; Leucoxene 1					
		Strong patchy to pervasive potassic alteration, moderate patchy and fracture-controlled hematitic alteration (specular hematite stringers and halos around some feldspar phenocrysts), weak to moderate wispy sericitic alteration and patches of leucoxene blebs. The tests for calcite and ankerite were non-reactive.					
73.50	78.00	Py00.5					
		Pyrite 0.5%					
		0.5% finely disseminated py.					
82.20	85.50	Vn;20%;Qcl;In;;Py00.1 Cp00.1;	82.50	84.00	Q206149	1.50	0.015
		vein (5 mm - 10 cm) 20% quartz-chlorite infilled fractures Pyrite 0.1% Chalcopyrite 0.1%					
		Qtz/chlorite veining/fracture fill with minor qtz flooding and some hydrothermal brecciation. Trace py and					

Description			Assay				
			From	To	Sample number	Length	AuBest
		cpy in veins but up to 0.5% py in surrounding host rock.					
82.70	84.30	Bxh	84.00	85.50	Q206152	1.50	0.012
		Breccia healed	85.50	87.00	Q206153	1.50	0.011
		10% qtz-filled hydrothermal breccia.	87.00	88.50	Q206154	1.50	0.008
			88.50	90.00	Q206155	1.50	0.034
			90.00	91.50	Q206156	1.50	0.02
			91.50	93.00	Q206157	1.50	0.01
			93.00	94.50	Q206158	1.50	<0.005
94.00	151.00	K03; He02; Ank01; Se01; Lcx01	94.50	96.00	Q206159	1.50	<0.005
		Potassic 3; Hematite 2; Ankerite 1; Sericite 1; Leucoxene 1	96.00	97.50	Q206160	1.50	0.008
		Strong patchy to pervasive potassic alteration, moderate patchy and fracture-controlled hematitic	97.50	99.00	Q206161	1.50	0.019
		alteration (specular hematite stringers and halos around some feldspar phenocrysts), weak to moderate	99.00	99.80	Q206162	0.80	0.006
		pervasive ankeritic alteration, weak to moderate wispy sericitic alteration and patches of leucoxene					
		blebs.					
99.10	101.52	Bxh					
		Breccia healed					
		60% qtz-filled hydrothermal breccia.					
99.10	101.60	Vn;40%;Qcl;In;;Py00.1 Cp00.1;	99.80	101.60	Q206163	1.80	0.044
		vein (5 mm - 10 cm) 40% quartz-chlorite infilled fractures Pyrite 0.1% Chalcopyrite	101.60	103.50	Q206164	1.90	0.045
		0.1%	103.50	105.00	Q206165	1.50	0.228
		Qtz-filled hydrothermal brecciation with trace py and trace py. From 100.2-100.4m there is a late creamy	105.00	106.50	Q206166	1.50	0.039
		pink carbonate(?) vein/fracture fill(?) that appears to have brecciated qtz fragments and 0.5-1%	106.50	108.00	Q206167	1.50	0.007
		chalcopyrite.	108.00	109.50	Q206168	1.50	0.01
108.60	108.80	Bxh					
		Breccia healed					
		60% qtz-filled hydrothermal breccia.					
108.60	108.80	Vn;60%;Qcl;;35°;Mo00.1;	109.50	111.00	Q206169	1.50	0.051
		vein (5 mm - 10 cm) 60% quartz-chlorite 35° Molybdenite 0.1%	111.00	112.50	Q206170	1.50	0.009
		Qtz/chlorite veining with minor hydrothermal brecciation.					
111.70	111.90	Bxh	112.50	114.00	Q206171	1.50	0.008
		Breccia healed	114.00	115.50	Q206172	1.50	0.014
		40% qtz-filled hydrothermal breccia.	115.50	117.00	Q206173	1.50	0.32
			117.00	118.50	Q206174	1.50	<0.005
			118.50	120.00	Q206177	1.50	0.01
			120.00	121.50	Q206178	1.50	0.006
			121.50	123.00	Q206179	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			123.00	124.50	Q206180	1.50	0.014
			124.50	126.00	Q206181	1.50	0.016
			126.00	127.50	Q206182	1.50	0.017
			127.50	129.00	Q206183	1.50	0.007
			129.00	130.50	Q206184	1.50	0.005
			130.50	132.00	Q206185	1.50	0.009
			132.00	133.50	Q206186	1.50	0.006
			133.50	135.00	Q206187	1.50	<0.005
			135.00	136.50	Q206188	1.50	0.006
			136.50	138.00	Q206189	1.50	0.012
			138.00	139.50	Q206190	1.50	0.006
			139.50	141.00	Q206191	1.50	0.015
			141.00	142.50	Q206192	1.50	0.027
			142.50	144.00	Q206193	1.50	0.01
			144.00	145.50	Q206194	1.50	0.022
111.70	111.80	Vn;40%;Qcl;;25°;Py00.1; **vein (5 mm - 10 cm) 40% quartz-chlorite 25° Pyrite 0.1%** Qtz/chlorite veining with minor hydrothermal brecciation.					
144.20	154.90	Vn;5%;Ak;In;;Py00.1; **vein (5 mm - 10 cm) 5% ankerite infilled fractures Pyrite 0.1%** Creamy off-white ankerite veining/fracture fill up to 20cm wide but generally <3cm.	145.50	147.00	Q206195	1.50	0.01
			147.00	148.50	Q206196	1.50	0.074
			148.50	150.00	Q206197	1.50	0.019
			150.00	151.50	Q206198	1.50	0.033
151.00	160.25	V4; Por **Trachyte; Porphyritic** Grey-green to light reddish brown porphyritic trachyte that has undergone locally strong recrystalization obliterating the original texture in places. Strong (becoming weaker down hole) pervasive silicic alteration (with minor flooding), strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak pervasive potassic alteration starting around 157m and a weak wispy sericitic alteration. Non-magnetic. <1% late qtz +/- ankerite stringers. Generally trace py with rare py stringers and occasional fine disseminations.	151.50	153.00	Q206199	1.50	0.017
			153.00	154.50	Q206202	1.50	0.011
			154.50	156.00	Q206203	1.50	0.009
			156.00	157.50	Q206204	1.50	0.007
151.00	157.00	Si03; Ank03; Cl01; Se01 **Silica 3; Ankerite 3; Chlorite 1; Sericite 1** Strong (becoming weaker down hole) pervasive silicic alteration (with minor flooding), strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration and a weak wispy sericitic alteration.					
157.00	160.25	Si02; Ank02; Cl01; K01; Se01 **Silica 2; Ankerite 2; Chlorite 1; Potassic 1; Sericite 1**	157.50	159.00	Q206205	1.50	0.006
			159.00	160.50	Q206206	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong (becoming weaker down hole) pervasive silicic alteration (with minor flooding), strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak pervasive potassic alteration and a weak wispy sericitic alteration.					
160.25	170.35	V4; Vol **Trachyte; VOLCANICLASTIC** Light green volcanoclastic trachyte with a hint of flow banding. Angular to sub-rounded clasts in a glassy groundmass. Weak to moderate ankeritic alteration, weak patchy to pervasive silicic alteration with minor flooding, weak to moderate vein-controlled reddish-brown potassic (hematitic?) alteration, weak to moderate sericitic alteration and a weak fracture-controlled chloritic alteration. A weak pervasive potassic alteration bleeds into this unit from the units above and below. Non-magnetic. 1-2% reddish-brown qtz/ankerite veining with a moderate potassic/hematitic alteration. Qtz veining/fracture fill (no potassic alteration) with minor flooding marks the upper contact at roughly 45 dtca. Trace disseminations of py.					
160.25	170.35	Ank02; Si01; K01; He01; Cl01 **Ankerite 2; Silica 1; Potassic 1; Hematite 1; Chlorite 1** Weak to moderate ankeritic alteration, weak patchy to pervasive silicic alteration with minor flooding, weak to moderate vein-controlled reddish-brown potassic (hematitic?) alteration, weak to moderate sericitic alteration and a weak fracture-controlled chloritic alteration. A weak pervasive potassic alteration bleeds into this unit from the units above and below	160.50 162.00 163.50	162.00 163.50 165.00	Q206207 Q206208 Q206209	1.50 1.50 1.50	0.02 0.027 <0.005
160.25	160.80	Vn;20%;Sgq;In;;Py00.1; **vein (5 mm - 10 cm) 20% smoky grey quartz infilled fractures Pyrite 0.1%** Qtz fracture fill/veining with minor flooding.					
163.70	170.35	Vn;2%;Qak;;30°;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite 30° Pyrite 0.1%** Narrow (<2cm) qtz/ankerite veining + potassic/hematitic alteration.	165.00 166.50 168.00 169.50	166.50 168.00 169.50 171.00	Q206210 Q206211 Q206212 Q206213	1.50 1.50 1.50 1.50	0.014 <0.005 <0.005 <0.005
170.35	175.50	V4; Por **Trachyte; Porphyritic** Similar to 151-160.25m. Grey-green to light reddish brown porphyritic trachyte that has undergone locally strong recrystalization obliterating the original texture in places. Strong patchy to pervasive silicic alteration (with minor flooding), moderate pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak patchy potassic alteration and a weak wispy sericitic alteration. Non-magnetic. 3-5% qtz veining/fracture fill with minor flooding. <1% late qtz +/- ankerite stringers. Generally trace py with rare py stringers and occasional fine disseminations.					
170.35	175.50	Si03; Ank02; Cl01; K01; Se01 **Silica 3; Ankerite 2; Chlorite 1; Potassic 1; Sericite 1** Strong patchy to pervasive silicic alteration (with minor flooding), moderate pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak patchy potassic alteration and a weak wispy sericitic alteration.					
170.60	171.10	Vn;3%;Qak;;30°;Py00.1; **vein (5 mm - 10 cm) 3% quartz-ankerite 30° Pyrite 0.1%**	171.00	172.50	Q206214	1.50	0.007

Description				Assay				
				From	To	Sample number	Length	AuBest
			Narrow (<2cm) qtz/ankerite veining.					
171.10	178.00		Vn;10%;Sgq;Fl;;Py00.1;	172.50	174.00	Q206215	1.50	<0.005
			vein (5 mm - 10 cm) 10% smoky grey quartz flooding Pyrite 0.1%	174.00	175.50	Q206216	1.50	<0.005
			Grey qtz veining/fracture fill with weak to moderate flooding.					
175.50	183.00		V4; Vol					
			Trachyte; VOLCANICLASTIC					
			Similar to 160.25-170.35m. Light green volcanoclastic trachyte with a hint of flow banding. Angular to sub-rounded clasts in a glassy groundmass. Weak to moderate ankeritic alteration, weak patchy to pervasive silicic alteration with minor flooding, weak to moderate vein-controlled reddish-brown potassic (hematitic?) alteration, weak to moderate sericitic alteration and a weak fracture-controlled chloritic alteration. Non-magnetic. 1-2% reddish-brown qtz/ankerite veining with a moderate potassic/hematitic alteration. Minor qtz veining/fracture fill (no potassic alteration) with minor flooding. Trace to 0.5% disseminations of py.					
175.50	183.00		Ank02; Si01; K01; Se01; Cl01	175.50	177.00	Q206217	1.50	0.005
			Ankerite 2; Silica 1; Potassic 1; Sericite 1; Chlorite 1	177.00	178.50	Q206218	1.50	0.005
			Weak to moderate ankeritic alteration, weak patchy to pervasive silicic alteration with minor flooding, weak to moderate vein-controlled reddish-brown potassic (hematitic?) alteration, weak to moderate sericitic alteration and a weak fracture-controlled chloritic alteration	178.50	180.00	Q206219	1.50	<0.005
				180.00	181.50	Q206220	1.50	0.019
181.50	188.20		Py00.5	181.50	183.00	Q206221	1.50	0.067
			Pyrite 0.5%					
			Trace to 0.5% finely disseminated py.					
183.00	210.35		V4; Vol					
			Trachyte; VOLCANICLASTIC					
			Similar to 175.5-183m with a moderate to strong patchy to pervasive potassic alteration.					
183.00	210.35		Ank02; K02; Si01; Se01; Cl01	183.00	184.50	Q206222	1.50	<0.005
			Ankerite 2; Potassic 2; Silica 1; Sericite 1; Chlorite 1	184.50	186.00	Q206223	1.50	0.005
			Weak to moderate ankeritic alteration, moderate to strong vein-controlled and patchy reddish-brown potassic (hematitic?) alteration, weak patchy to pervasive silicic alteration with minor flooding, weak to moderate sericitic alteration and a weak fracture-controlled chloritic alteration.	186.00	187.50	Q206224	1.50	0.01
				187.50	189.00	Q206227	1.50	0.005
				189.00	190.50	Q206228	1.50	<0.005
				190.50	192.00	Q206229	1.50	<0.005
				192.00	193.50	Q206230	1.50	<0.005
				193.50	195.00	Q206231	1.50	<0.005
				195.00	196.50	Q206232	1.50	<0.005
				196.50	198.00	Q206233	1.50	<0.005
				198.00	199.50	Q206234	1.50	<0.005
				199.50	201.00	Q206235	1.50	<0.005
183.00	188.35		Vn;10%;Sgq;Fl;;Py00.1;					
			vein (5 mm - 10 cm) 10% smoky grey quartz flooding Pyrite 0.1%					
			Grey qtz veining/fracture fill with weak to moderate flooding.					

Description			Assay				
			From	To	Sample number	Length	AuBest
200.00	204.00	Py00.5 **Pyrite 0.5%** Trace to 0.5% finely disseminated py.	201.00	202.50	Q206236	1.50	0.007
201.60	203.40	Vn;3%;Sgq;;30°;Py00.1; **vein (5 mm - 10 cm) 3% smoky grey quartz 30° Pyrite 0.1%** Grey qtz veining/fracture fill with weak flooding and a moderate potassic/hematitic alteration.	202.50	204.00	Q206237	1.50	<0.005
204.00	257.30	Py00.5 **Pyrite 0.5%** Generally trace to 0.5% finely disseminated py but locally up to 1%.	204.00	205.50	Q206238	1.50	0.018
			205.50	207.00	Q206239	1.50	<0.005
			207.00	208.50	Q206240	1.50	0.013
			208.50	210.00	Q206241	1.50	0.008
			210.00	211.50	Q206242	1.50	<0.005
210.35	253.15	V4; Mass; Por; Vol **Trachyte; Massive; Porphyritic; VOLCANICLASTIC** Grey-red to brick red porphyritic trachyte with 10-20% sub to euhedral feldspar phenocrysts in a fine grained groundmass. There are intercalated intervals of volcanoclastic trachyte similar to those described above. Moderate to locally strong patchy to pervasive potassic (and/or hematitic)alteration, moderate to strong fracture-controlled chloritic alteration, weak patchy ankeritic alteration and a weak wispy yellow/green sericitic alteration. Non-magnetic. <1% white qtz/chlorite +/- minor ankerite stringers. Generally trace to 0.5% but locally up to 1% finely disseminated py and occasionally in py stringers. Au values up to 0.179 g/t (247.5-249m) not necessarily associated with higher py abundance.					
210.35	253.15	K02; He02; Cl02; Ank01; Se01 **Potassic 2; Hematite 2; Chlorite 2; Ankerite 1; Sericite 1** Moderate to locally strong patchy to pervasive potassic (and/or hematitic)alteration, moderate to strong fracture-controlled chloritic alteration, weak patchy ankeritic alteration and a weak wispy yellow/green sericitic alteration.	211.50	213.00	Q206243	1.50	<0.005
			213.00	214.50	Q206244	1.50	0.014
			214.50	216.00	Q206245	1.50	<0.005
			216.00	217.50	Q206246	1.50	<0.005
			217.50	219.00	Q206247	1.50	<0.005
			219.00	220.50	Q206248	1.50	0.008
			220.50	222.00	Q206249	1.50	0.008
			222.00	223.50	Q206252	1.50	0.006
			223.50	225.00	Q206253	1.50	<0.005
			225.00	226.50	Q206254	1.50	0.022
			226.50	228.00	Q206255	1.50	0.028
			228.00	229.50	Q206256	1.50	0.048
			229.50	231.00	Q206257	1.50	0.008
			231.00	232.50	Q206258	1.50	<0.005
			232.50	234.00	Q206259	1.50	0.037
			234.00	235.50	Q206260	1.50	0.027

Description				Assay				
				From	To	Sample number	Length	AuBest
				235.50	237.00	Q206261	1.50	0.01
				237.00	238.50	Q206262	1.50	0.023
				238.50	240.00	Q206263	1.50	0.066
				240.00	241.50	Q206264	1.50	0.016
				241.50	243.00	Q206265	1.50	0.022
				243.00	244.50	Q206266	1.50	0.021
				244.50	246.00	Q206267	1.50	0.008
				246.00	247.50	Q206268	1.50	0.159
				247.50	249.00	Q206269	1.50	0.179
				249.00	250.50	Q206270	1.50	0.042
				250.50	252.00	Q206271	1.50	0.038
				252.00	253.50	Q206272	1.50	0.016
253.15	256.00		V4; Por					
			Trachyte; Porphyritic					
			Grey-green to light reddish brown porphyritic trachyte that has undergone locally strong recrystalization obliterating the original texture in places. Strong pervasive silicic alteration, weak pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration and a weak wispy sericitic alteration. Non-magnetic. <1% late qtz +/- ankerite stringers. Generally trace to 0.5% py with rare py stringers and occasional fine disseminations.					
	253.15	256.00	Si03; Ank01; Cl01; Se01					
			Silica 3; Ankerite 1; Chlorite 1; Sericite 1					
			Strong pervasive silicic alteration, weak pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration and a weak wispy sericitic alteration.					
	253.40	257.45	Vn;5%;Sgq;In;;Py00.1;	253.50	255.00	Q206273	1.50	0.018
			vein (5 mm - 10 cm) 5% smoky grey quartz infilled fractures Pyrite 0.1%	255.00	256.50	Q206274	1.50	0.022
			Grey qtz veining/fracture fill with weak to moderate flooding.					
256.00	278.50		V4; Vol; Por					
			Trachyte; VOLCANICLASTIC; Porphyritic					
			Grey-red to brick red volcanoclastic/porphyritic trachyte with 10-20% sub to euhedral feldspar phenocrysts in a fine grained groundmass. Highly microfractured. Moderate to locally strong patchy potassic (and/or hematitic) alteration, moderate to locally strong fracture-controlled chloritic alteration, moderate pervasive ankeritic alteration and a weak wispy yellow/green sericitic alteration. Non-magnetic. <<1% white qtz/chlorite +/- minor ankerite stringers. Generally trace to 0.5% (locally up to 2% over 30cm) finely disseminated py and occasionally in py stringers. Au values up to 0.353 g/t (277.5-279m).					
	256.00	280.80	K02; He02; Cl02; Ank02; Se01	256.50	258.00	Q206277	1.50	0.076
			Potassic 2; Hematite 2; Chlorite 2; Ankerite 2; Sericite 1	258.00	259.50	Q206278	1.50	0.049
			Moderate to locally strong patchy potassic (and/or hematitic) alteration, moderate to locally strong fracture-controlled chloritic alteration, moderate pervasive ankeritic alteration and a weak wispy yellow/green sericitic alteration.	259.50	261.00	Q206279	1.50	0.011
				261.00	262.50	Q206280	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
			262.50	264.00	Q206281	1.50	0.03
			264.00	265.50	Q206282	1.50	<0.005
			265.50	267.00	Q206283	1.50	0.037
			267.00	268.50	Q206284	1.50	0.008
			268.50	270.00	Q206285	1.50	0.01
			270.00	271.50	Q206286	1.50	0.006
			271.50	273.00	Q206287	1.50	0.01
			273.00	274.50	Q206288	1.50	0.024
			274.50	276.00	Q206289	1.50	0.019
275.50	278.50	Py00.5	276.00	277.50	Q206290	1.50	0.021
		Pyrite 0.5%	277.50	279.00	Q206291	1.50	0.353
		Trace to 0.5% disseminated py but locally up to 2%.					
278.40	280.80	Vn;2%;Qac;;;Py00.1 Cp00.1;					
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite Pyrite 0.1% Chalcopyrite 0.1%					
		Grey qtz/chlorite +/- ankerite with sericite and potassic alteration along margins. These veins may contain py and cpy and are possibly the source of Au values up to 1.055 g/t.					
278.50	368.00	V4; Lithic	279.00	280.50	Q206292	1.50	0.008
		Trachyte; LITHIC	280.50	282.00	Q206293	1.50	1.055
		The first 2.3m of the unit is a greyish-red to maroon-red transition zone with moderate patchy potassic and/or hematitic alteration with around 3% qtz/chlorite +/- ankerite veining that may contain py and cpy. This is noteworthy because the interval (280.5-282m) runs 1.055 g/t Au and aside from the alteration and veining nothing would distinguish the first 30cm of this from the rest of the unit with much lower Au grades. From 280.8m the unit becomes light green weakly foliated (45-55 dtca) lithic trachyte with angular to sub-rounded clasts in a fine grained groundmass. Weak to moderate pervasive ankeritic alteration, weak to moderate foliation-controlled sericitic alteration, weak foliation-controlled chloritic alteration and a localized weak pervasive silicic alteration. Non-magnetic. Generally <1% qtz veinlets and stringers until 317.8-326.6m and again at 334.15-339.5m where there is 5% randomly oriented light grey qtz +/- ankerite narrow veining/fracture fills with yellow-green sericite along margins. Pyrite mineralization is trace except in the silicified interval where there is up to 1% finely disseminated py. Au values up to 0.536 g/t were seen in and around the qtz veining and silicification.					
278.50	348.00	Fln					
		Foliation 45°					
		Weak to moderate intermittent foliation at 30-60 dtca.					
280.80	368.00	Ank02; Se02; Cl01; Si01	282.00	283.50	Q206294	1.50	0.058
		Ankerite 2; Sericite 2; Chlorite 1; Silica 1	283.50	285.00	Q206295	1.50	0.033
		Weak to moderate pervasive ankeritic alteration, weak to moderate foliation-controlled sericitic alteration, weak foliation-controlled chloritic alteration and a localized weak pervasive silicic alteration	285.00	286.50	Q206296	1.50	0.037
			286.50	288.00	Q206297	1.50	0.035
			288.00	289.50	Q206298	1.50	0.1

Description			Assay				
			From	To	Sample number	Length	AuBest
			289.50	291.00	Q206299	1.50	0.031
			291.00	292.50	Q206302	1.50	0.116
			292.50	294.00	Q206303	1.50	0.073
			294.00	295.50	Q206304	1.50	0.078
			295.50	297.00	Q206305	1.50	0.038
			297.00	298.50	Q206306	1.50	0.031
			298.50	300.00	Q206307	1.50	0.064
			300.00	301.50	Q206308	1.50	0.087
			301.50	303.00	Q206309	1.50	0.037
			303.00	304.50	Q206310	1.50	0.016
			304.50	306.00	Q206311	1.50	0.008
			306.00	307.50	Q206312	1.50	0.029
			307.50	309.00	Q206313	1.50	0.05
			309.00	310.50	Q206314	1.50	0.012
			310.50	312.00	Q206315	1.50	0.195
			312.00	313.50	Q206316	1.50	0.033
			313.50	315.00	Q206317	1.50	0.015
			315.00	316.50	Q206318	1.50	0.009
			316.50	318.00	Q206319	1.50	0.09
317.50	326.70	Vn;5%;Qak;Ra;;Py00.1;	318.00	319.50	Q206320	1.50	0.042
		vein (5 mm - 10 cm) 5% quartz-ankerite random Pyrite 0.1%	319.50	321.00	Q206321	1.50	0.035
		Light grey qtz +/- ankerite narrow veining/fracture fills with yellow-green sericite along margins.	321.00	322.50	Q206322	1.50	0.196
			322.50	324.00	Q206323	1.50	0.101
			324.00	325.50	Q206324	1.50	0.038
			325.50	327.00	Q206327	1.50	0.186
			327.00	328.50	Q206328	1.50	<0.005
			328.50	330.00	Q206329	1.50	0.007
			330.00	331.50	Q206330	1.50	0.021
			331.50	333.00	Q206331	1.50	0.059
332.50	339.65	Vn;5%;Qak;Ra;;Py00.1;	333.00	334.50	Q206332	1.50	0.536
		vein (5 mm - 10 cm) 5% quartz-ankerite random Pyrite 0.1%	334.50	336.00	Q206333	1.50	0.518
		Light grey qtz +/- ankerite narrow veining/fracture fills with yellow-green sericite along margins.	336.00	337.50	Q206334	1.50	0.12
			337.50	339.00	Q206335	1.50	0.037
337.90	343.80	Py00.5	339.00	340.50	Q206336	1.50	0.198

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%	340.50	342.00	Q206337	1.50	0.026
		0.5-1% finely disseminated py.	342.00	343.50	Q206338	1.50	0.009
			343.50	345.00	Q206339	1.50	0.013
			345.00	346.50	Q206340	1.50	0.045
			346.50	348.00	Q206341	1.50	0.057
			348.00	349.50	Q206342	1.50	0.013
			349.50	351.00	Q206343	1.50	<0.005
			351.00	352.50	Q206344	1.50	0.014
			352.50	354.00	Q206345	1.50	0.011
			354.00	355.50	Q206346	1.50	0.005
			355.50	357.00	Q206347	1.50	0.008
			357.00	358.50	Q206348	1.50	0.008
			358.50	360.00	Q206349	1.50	0.012
			360.00	361.50	Q206352	1.50	0.015
			361.50	363.00	Q206353	1.50	0.009
			363.00	364.50	Q206354	1.50	0.005
			364.50	366.00	Q206355	1.50	0.01
			366.00	367.50	Q206356	1.50	0.024
			367.50	369.00	Q206357	1.50	0.015
368.00	396.70	V4; Lithic; Por					
		Trachyte; LITHIC; Porphyritic					
		Grey-green to brownish-red lithic trachyte (volcanosediments?) with (up to boulder-sized?) porphyritic clasts in a fine grained groundmass and intervals that exhibit flow textures and a weak to moderate foliation at 45-55 dtca with minor stretching of some clasts. Weak to moderate patchy potassic alteration, weak patchy ankeritic alteration, weak fracture-controlled chloritic alteration, weak wispy sericitic alteration and patchy blebs of leucoxene. Non-magnetic. <1% qtz/chlorite +/- ankerite veining. Trace py.					
368.00	396.70	K02; Ank01; Cl01; Se01; Lcx01	369.00	370.50	Q206358	1.50	0.017
		Potassic 2; Ankerite 1; Chlorite 1; Sericite 1; Leucoxene 1	370.50	372.00	Q206359	1.50	0.007
		Weak to moderate patchy potassic alteration, weak patchy ankeritic alteration, weak fracture-controlled chloritic alteration, weak wispy sericitic alteration and patchy blebs of leucoxene.	372.00	373.50	Q206360	1.50	0.01
			373.50	375.00	Q206361	1.50	0.02
			375.00	376.50	Q206362	1.50	0.057
			376.50	378.00	Q206363	1.50	0.051
			378.00	379.50	Q206364	1.50	0.078
			379.50	381.00	Q206365	1.50	0.009
			381.00	382.50	Q206366	1.50	0.022

Description			Assay				
			From	To	Sample number	Length	AuBest
			382.50	384.00	Q206367	1.50	0.044
			384.00	385.50	Q206368	1.50	0.013
			385.50	387.00	Q206369	1.50	0.121
			387.00	388.50	Q206370	1.50	0.174
			388.50	390.00	Q206371	1.50	0.035
			390.00	391.50	Q206372	1.50	<0.005
			391.50	393.00	Q206373	1.50	<0.005
			393.00	394.50	Q206374	1.50	<0.005
			394.50	396.00	Q206377	1.50	<0.005
			396.00	397.50	Q206378	1.50	0.007
396.70	411.30	V4; Por					
		Trachyte; Porphyritic					
		Light green to medium grey porphyritic trachyte (lithic trachyte?) with a weak foliation at 45-70 dtca. Phenocrysts give way to a flow texture around 404.5m but pop in and out (clasts?) to the end of the unit. Could this just be a continuation of the previous unit without the strong potassic alteration? There is a moderate patchy silicic alteration/flooding from 398.4-404.5m with an associated disseminated py mineralization of 0.5-1% and Au values up to 0.397 g/t (400.5-402m). Aside from the silicification there is a weak patchy ankeritic alteration, weak fracture-controlled chloritic alteration and a weak wispy sericitic alteration. Non-magnetic. Qtz +/- ankerite veining mainly found in silicified zones with 1-2% outside of these areas. Py is generally trace outside of the silicified zones.					
396.70	411.30	Si02; Ank01; Cl01; Se01					
		Silica 2; Ankerite 1; Chlorite 1; Sericite 1					
		There is a moderate patchy silicic alteration/flooding from 398.4-404.5m with an associated disseminated py mineralization of 0.5-1% and Au values up to 0.397 g/t (400.5-402m). Aside from the silicification there is a weak patchy ankeritic alteration, weak fracture-controlled chloritic alteration and a weak wispy sericitic alteration.					
397.40	404.50	Py00.5	397.50	399.00	Q206379	1.50	0.093
		Pyrite 0.5%					
		0.5-1% finely disseminated py.					
398.40	404.55	Vn;5%;Qak;Fl;40°;Py01;	399.00	400.50	Q206380	1.50	0.038
		vein (5 mm - 10 cm) 5% quartz-ankerite flooding 40° Pyrite 1%	400.50	402.00	Q206381	1.50	0.397
		Smokey grey qtz +/- ankerite veining with minor flooding contains 0.5-1% finely disseminated py and has Au values up to 0.397 g/t (400.5-402m)	402.00	403.50	Q206382	1.50	0.238
			403.50	405.00	Q206383	1.50	0.052
			405.00	406.50	Q206384	1.50	0.009
			406.50	408.00	Q206385	1.50	0.03
			408.00	409.50	Q206386	1.50	0.006
			409.50	411.00	Q206387	1.50	0.026

Description			Assay				
			From	To	Sample number	Length	AuBest
			411.00	412.50	Q206388	1.50	0.146
411.30	422.50	Cl03; Ank02; K01; He01 **Chlorite 3; Ankerite 2; Potassic 1; Hematite 1** Strong fracture-controlled chloritic alteration, moderate to strong pervasive ankeritic alteration, weak patchy potassic alteration and a weak fracture/vein-controlled hematitic alteration					
411.40	415.00	Py00.5 **Pyrite 0.5%** 0.5-1% finely disseminated py associated with chlorite/magnetite fracture fill.					
411.90	422.50	V4; Fra **Trachyte; Fractured** Blackish to medium brown-grey highly microfractured trachyte. Strong fracture-controlled chloritic alteration, moderate to strong pervasive ankeritic alteration, weak patchy potassic alteration and a weak fracture/vein-controlled hematitic alteration. Moderate to strong magnetism appears to be associated with magnetite in chlorite fracture fill. Up to 1% ankerite fracture fill/stringers. Generally trace to 0.5% disseminated py but locally up to 1% near the upper contact.	412.50	414.00	Q206389	1.50	0.04
			414.00	415.50	Q206390	1.50	0.022
			415.50	417.00	Q206391	1.50	0.008
			417.00	418.50	Q206392	1.50	0.017
			418.50	420.00	Q206393	1.50	0.088
			420.00	421.50	Q206394	1.50	0.046
			421.50	423.00	Q206395	1.50	0.027
422.50	454.50	V4; PorFG **Trachyte; PORPHYRITIC (FINE GROUNDMASS)** Pinkish to maroon-red porphyritic trachyte with 30-40% whitish (some pink staining by potassic alteration) feldspar phenocrysts that show a crude allignment (trachytic texture?). This unit is bleached/ankerite flooded (~1m) at the lower contact and the first several metres after the upper contact with shorter intervals throughout the unit. There is also a strong patchy potassic alteration, weak fracture-controlled chloritic alteration and a weak wispy sericitic alteration. Non magnetic. 1-2% ankerite + minor qtz fracture fill and veinlets aside from the ankerite flooded zones. Generally trace py but in non-bleached, potassically altered zones up to 1% fine py clusters. Sharp upper and lower contacts at 70/20 dtc respectively.					
422.50	454.50	Ank03; K03; Cl01; Se01 **Ankerite 3; Potassic 3; Chlorite 1; Sericite 1** This unit is bleached/ankerite flooded (~1m) at the lower contact and the first several metres after the upper contact with shorter intervals throughout the unit. There is also a strong patchy potassic alteration, weak fracture-controlled chloritic alteration and a weak wispy sericitic alteration.	423.00	424.50	Q206396	1.50	0.03
			424.50	426.00	Q206397	1.50	0.036
			426.00	427.50	Q206398	1.50	0.028
			427.50	429.00	Q206399	1.50	0.058
			429.00	430.50	Q206402	1.50	0.05
			430.50	432.00	Q206403	1.50	0.015
			432.00	433.50	Q206404	1.50	0.014
			433.50	435.00	Q206405	1.50	0.018
434.50	436.00	Py00.5 **Pyrite 0.5%** 0.5% finely disseminated py.	435.00	436.50	Q206406	1.50	0.02
			436.50	438.00	Q206407	1.50	0.013
			438.00	439.50	Q206408	1.50	0.011
			439.50	441.00	Q206409	1.50	0.027

Description			Assay				
			From	To	Sample number	Length	AuBest
			441.00	442.50	Q206410	1.50	0.026
			442.50	444.00	Q206411	1.50	0.029
			444.00	445.50	Q206412	1.50	0.036
			445.50	447.00	Q206413	1.50	0.044
			447.00	448.50	Q206414	1.50	0.034
			448.50	450.00	Q206415	1.50	0.013
			450.00	451.50	Q206416	1.50	0.059
450.50	453.50	Py00.5	451.50	453.00	Q206417	1.50	0.102
		Pyrite 0.5%	453.00	454.50	Q206418	1.50	0.086
		0.5-1% fine py clusters.					
454.40	455.35	Py01					
		Pyrite 1%					
		1% euhedral py.					
454.50	465.85	V4; FlBand					
		Trachyte; FLOWBANDED					
		Light to medium green-grey to dark grey fine grained trachyte with weak localized flow banding. Strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak wispy sericitic alteration and a very weak patchy potassic alteration. Moderately to strongly magnetic. 2% ankerite with minor qtz fracture fill and gashes. Trace py up hole but from 460.5 to lower contact there is 0.5-1% fine to coarse euhedral disseminated py.					
454.50	465.85	Ank03; Cl01; Se01; K01	454.50	456.00	Q206419	1.50	0.19
		Ankerite 3; Chlorite 1; Sericite 1; Potassic 1	456.00	457.50	Q206420	1.50	0.074
		Strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, weak wispy sericitic alteration and a very weak patchy potassic alteration					
457.50	465.85	Vn;2%;Qak;In;;Py00.1;	457.50	459.00	Q206421	1.50	0.039
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures Pyrite 0.1%	459.00	460.50	Q206422	1.50	0.065
		Ankerite with minor qtz fracture fill.					
460.50	465.85	Py00.5	460.50	462.00	Q206423	1.50	0.084
		Pyrite 0.5%	462.00	463.50	Q206424	1.50	0.39
		0.5-1% finely disseminated py.	463.50	465.00	Q206427	1.50	2.32
			465.00	466.50	Q206428	1.50	0.72
465.85	475.10	V4; PorFG					
		Trachyte; PORPHYRITIC (FINE GROUNDMASS)					
		Pinkish to maroon-red porphyritic trachyte with 30-40% whitish (some pink staining by potassic alteration) feldspar phenocrysts that show a crude allignment (trachytic texture?). This unit is bleached/ankerite flooded (~1m) after the upper contact. There is also a strong patchy potassic alteration, weak fracture-controlled chloritic alteration and a weak wispy sericitic alteration. Weakly to moderately magnetic. <1% ankerite + minor qtz fracture fill and veinlets. Generally trace py. Sharp upper and lower contacts at 75/60 dtc respectively.					

Description			Assay				
			From	To	Sample number	Length	AuBest
465.85	475.10	Ank@; K02; Cl01; Se01 **Ankerite @; Potassic 2; Chlorite 1; Sericite 1** This unit is bleached/ankerite flooded (~1m) after the upper contact. There is also a strong patchy potassic alteration, weak fracture-controlled chloritic alteration and a weak wispy sericitic alteration.	466.50	468.00	Q206429	1.50	0.007
			468.00	469.50	Q206430	1.50	0.019
			469.50	471.00	Q206431	1.50	0.011
			471.00	472.50	Q206432	1.50	0.03
			472.50	474.00	Q206433	1.50	0.048
			474.00	475.50	Q206434	1.50	0.04
475.10	503.05	V4; Tuff **Trachyte; TUFF** Dark grey-green to beige fine grained trachyte with up to 30% tuffaceous intervals. Strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, moderate patchy potassic alteration that weakens as you move down hole and a weak vein/fracture-controlled hematitic alteration. Moderately to strongly magnetic. 3% ankerite +/- qtz veinlets, fracure fill and stringers.Generally trace py with localized discontinuous euhedral py stringers up to 1%.					
475.10	503.05	Ank03; Cl02; K01; He01 **Ankerite 3; Chlorite 2; Potassic 1; Hematite 1** Strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration, moderate patchy potassic alteration that weakens as you move down hole and a weak vein/fracture-controlled hematitic alteration.					
475.40	482.50	Vn;2%;Qak;;;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite Pyrite 0.1%** Brownish-red hematite stained qtz/ankerite narrow (<1cm) veinlets that commonly exhibit folding and may have py along margins.					
475.50	482.10	Py00.5 **Pyrite 0.5%** 0.5-1% fine to coarse euhedral py in discontinuous qtz stringers and gashes.	475.50	477.00	Q206435	1.50	0.083
			477.00	478.50	Q206436	1.50	0.159
			478.50	480.00	Q206437	1.50	0.165
			480.00	481.50	Q206438	1.50	0.057
			481.50	483.00	Q206439	1.50	0.112
			483.00	484.50	Q206440	1.50	0.027
			484.50	486.00	Q206441	1.50	0.008
			486.00	487.50	Q206442	1.50	0.005
			487.50	489.00	Q206443	1.50	0.027
			489.00	490.50	Q206444	1.50	0.044
			490.50	492.00	Q206445	1.50	0.013
			492.00	493.50	Q206446	1.50	0.102
			493.50	495.00	Q206447	1.50	0.022
			495.00	496.50	Q206448	1.50	0.098
			496.50	498.00	Q206449	1.50	0.077

Description			Assay				
			From	To	Sample number	Length	AuBest
			498.00	499.50	Q206452	1.50	0.014
			499.50	501.00	Q206453	1.50	0.019
			501.00	502.50	Q206454	1.50	0.181
502.50	532.20	Py01 **Pyrite 1%** 0.5-2% fine to coarse euhedral py clusters and stringers commonly in a pinkish biege carbonate alteration or hematitic alteration halo. This interval contains Au values that range from 0.078-4.02 g/t. Higher Au values corelate to higher py abundance.					
502.50	532.20	Vt;2%;Py;St;;Py02; **veinlet (1-5 mm) 2% stringers** 0.5-2% fine to coarse euhedral py clusters and stringers commonly in a pinkish biege carbonate alteration or hematitic alteration halo. This interval contains Au values that range from 0.078-4.02 g/t. Higher Au values corelate to higher py abundance.	502.50	504.00	Q206455	1.50	0.798
503.05	520.00	V4; Mass; Fra **Trachyte; Massive; Fractured** Light brownish-grey to medium grey very fine grained massive very hard trachyte. Highly microfractured with ankerite and/or chlorite fill. Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, moderate vein and fracture-controlled hematitic alteration, weak to moderate wispy sericitic alteration and a weak patchy potassic alteration. Moderately to strongly magnetic. Py stringers and clusters (possibly with cpy) are common in areas with a pinkish-beige carbonate/hematite alteration and coincide with Au values up to 4.02 g/t (508.5-510m). Au values range from 0.14-4.02 g/t in this unit.					
503.05	520.00	Ank03; Cl02; He02; Se01; K01 **Ankerite 3; Chlorite 2; Hematite 2; Sericite 1; Potassic 1** Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, moderate vein and fracture-controlled hematitic alteration, weak to moderate wispy sericitic alteration and a weak patchy potassic alteration.	504.00	505.50	Q206456	1.50	0.653
			505.50	507.00	Q206457	1.50	0.213
			507.00	508.50	Q206458	1.50	1.24
			508.50	510.00	Q206459	1.50	4.02
			510.00	511.50	Q206460	1.50	2.17
			511.50	513.00	Q206461	1.50	1.625
			513.00	514.50	Q206462	1.50	1.735
			514.50	516.00	Q206463	1.50	1.9
			516.00	517.50	Q206464	1.50	0.308
			517.50	519.00	Q206465	1.50	1.535
			519.00	520.50	Q206466	1.50	0.14
520.00	532.20	V4; Vol **Trachyte; VOLCANICLASTIC** Reddish-grey to medium grey volcanoclastic trachyte with angular to sub-rounded clasts in a fine grained groundmass. Highly microfractured with ankerite and/or chlorite fill. Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, moderate vein-controlled hematitic alteration and a weak to moderate patchy silicic alteration from 530.65m to lower contact with an accompanying bleaching/lightening of					

		Description	Assay				
			From	To	Sample number	Length	AuBest
		the rocks. Moderately to strongly magnetic. Py stringers and clusters similar to the unit above are present but less frequent which also accounts for lower Au values (max of 0.844 g/t from 529.5-531m). The silicified zone is mineralized with 0.5-1% finely disseminated py (no stringers) and 0.17 g/t Au.					
520.00	532.20	Ank03; Cl02; He02; Si01 **Ankerite 3; Chlorite 2; Hematite 2; Silica 1** Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, moderate vein-controlled hematitic alteration and a weak to moderate patchy silicic alteration from 530.65m to lower contact with an accompanying bleaching/lightening of the rocks.	520.50	522.00	Q206467	1.50	0.457
			522.00	523.50	Q206468	1.50	0.081
			523.50	525.00	Q206469	1.50	0.074
			525.00	526.50	Q206470	1.50	0.128
			526.50	528.00	Q206471	1.50	0.285
			528.00	529.50	Q206472	1.50	0.16
			529.50	531.00	Q206473	1.50	0.844
			531.00	532.50	Q206474	1.50	0.17
531.90	547.00	Fln **Foliation 50°** Moderate to strong pervasive foliation at 30-70 dtca.					
532.20	598.75	V4; Tuff; LapTuff **Trachyte; TUFF; LAPILLI TUFF/AGGLOMERATE** Green-grey to medium grey fine grained moderately to strongly foliated (at 30-70 dtca) tuff with intervals of ankerite replaced/altered and stretched lapilli. Microfracture faults with gouge parallel to foliation (40 dtca) from 547.25-549.4m. Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, moderate to locally strong wispy sericitic alteration and weak to moderate vein-controlled hematitic alteration starting around 584m. Moderately to strongly magnetic but becomes non-magnetic from 576-596.2m. Generally ~5-10% convoluted folded ankerite veins, veinlets and gashes with a couple of larger veins (up to 60cm) below 581m. Trace py from 576m where it becomes 0.5-1% finely disseminated with associated anomylous Au values up to 0.689 g/t (589.5-591m).					
532.20	598.75	Ank03; Cl02; Se02; He01 **Ankerite 3; Chlorite 2; Sericite 2; Hematite 1** Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, moderate to locally strong wispy sericitic alteration and weak to moderate vein-controlled hematitic alteration starting around 584m.	532.50	534.00	Q206477	1.50	0.053
			534.00	535.50	Q206478	1.50	0.015
			535.50	537.00	Q206479	1.50	0.036
			537.00	538.50	Q206480	1.50	0.018
			538.50	540.00	Q206481	1.50	0.08
			540.00	541.50	Q206482	1.50	0.073
			541.50	543.00	Q206483	1.50	0.077
			543.00	544.50	Q206484	1.50	0.027
			544.50	546.00	Q206485	1.50	0.39
			546.00	547.50	Q206486	1.50	0.058
547.00	547.25	Gg **Fault gouge 40°** Microfaults with gouge parallel to foliation.					

Description			Assay				
			From	To	Sample number	Length	AuBest
547.25	547.65	Fln	547.50	549.00	Q206487	1.50	0.41
		Foliation 50°					
		Moderate to strong pervasive foliation at 30-70 dtca.					
547.65	547.85	Gg					
		Fault gouge 40°					
		Microfaults with gouge parallel to foliation.					
547.85	549.30	Fln	549.00	550.50	Q206488	1.50	0.07
		Foliation 50°					
		Moderate to strong pervasive foliation at 30-70 dtca.					
549.30	549.40	Gg					
		Fault gouge 40°					
		Microfaults with gouge parallel to foliation.					
549.40	598.75	Fln	550.50	552.00	Q206489	1.50	0.162
		Foliation 50°	552.00	553.50	Q206490	1.50	0.378
		Moderate to strong pervasive foliation at 30-70 dtca.	553.50	555.00	Q206491	1.50	0.067
			555.00	556.50	Q206492	1.50	0.424
			556.50	558.00	Q206493	1.50	0.063
			558.00	559.50	Q206494	1.50	0.037
			559.50	561.00	Q206495	1.50	0.034
			561.00	562.50	Q206496	1.50	0.035
			562.50	564.00	Q206497	1.50	0.009
			564.00	565.50	Q206498	1.50	0.005
564.90	575.50	Vn;2%;Qac;Vc;;Py00.1;	565.50	567.00	Q206499	1.50	0.013
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein cross-cutting foliation Pyrite	567.00	568.50	Q206502	1.50	0.069
		0.1%	568.50	570.00	Q206503	1.50	0.043
		Qtz/ankerite/chlorite veining.	570.00	571.50	Q206504	1.50	0.032
			571.50	573.00	Q206505	1.50	0.017
			573.00	574.50	Q206506	1.50	<0.005
			574.50	576.00	Q206507	1.50	0.036
576.00	594.80	Py01	576.00	577.50	Q206508	1.50	0.358
		Pyrite 1%	577.50	579.00	Q206509	1.50	0.336
		0.5-1% fine to coarse euhedral py in qtz/ankerite alteration and stringers. Au values in this interval range	579.00	580.50	Q206510	1.50	0.25
		from 0.047-0.689 g/t. Higher Au values corelate to higher py abundance.	580.50	582.00	Q206511	1.50	0.179
576.00	581.50	Vn;5%;Ak;Ra;;Py00.5;					
		vein (5 mm - 10 cm) 5% ankerite random Pyrite 0.5%					
		Convoluted folded ankerite veins, veinlets and gashes with up to 1% py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
581.50	581.80	Vm;80%;Ak;Ra;;Py00.5; **major vein (10 cm or greater) 80% ankerite random Pyrite 0.5%** 30cm convoluted folded ankerite + minor qtz vein with 1% py.					
581.80	595.20	Vn;5%;Ak;Ra;;Py00.5; **vein (5 mm - 10 cm) 5% ankerite random Pyrite 0.5%** Convoluted folded ankerite veins, veinlets and gashes with up to 1% py.	582.00	583.50	Q206512	1.50	0.181
			583.50	585.00	Q206513	1.50	0.047
			585.00	586.50	Q206514	1.50	0.205
			586.50	588.00	Q206515	1.50	0.3
			588.00	589.50	Q206516	1.50	0.227
			589.50	591.00	Q206517	1.50	0.689
			591.00	592.50	Q206518	1.50	0.292
			592.50	594.00	Q206519	1.50	0.458
			594.00	595.50	Q206520	1.50	0.167
			595.50	597.00	Q206521	1.50	0.024
			597.00	598.75	Q206522	1.75	0.065
598.75	**End of DDH** **Number of samples: 396** **Number of QAQC samples: 34** **Total sampled length: 594.85**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_65

Drilled by:	Major	Claims title:	L9910	Section:	
Described by:	Christopher Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	21/03/2014	Description date:	
		To:	25/03/2014		

Collar

Azimuth:	0.0°
Dip:	-50.0°
Length:	426.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,803.849
North	0.0	0.000	5,331,632.606
Elevation	0.0	0.000	345.063

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	18.00	2.9°	-50.4°	No	mag: 57486
ReflexEZS	78.00	5.3°	-51.3°	No	mag: 56648
ReflexEZS	138.00	11.0°	-51.5°	No	mag: 56028
ReflexEZS	198.00	13.1°	-50.2°	No	mag: 55670
ReflexEZS	258.00	11.5°	-48.9°	No	mag: 55760
ReflexEZS	318.00	10.3°	-48.3°	No	mag: 55963
ReflexEZS	378.00	12.9°	-47.7°	No	mag: 55464

Description

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	12.40	OVB; Undie;					
		Overburden; UNDEFINED;					
12.40	79.90	V4; PyroTuff;	12.40	13.50	Q290072	1.10	0.007
		Trachyte; PYROCLASTIC (TUFFACEOUS);	13.50	15.00	Q290073	1.50	<0.005
			15.00	16.50	Q290074	1.50	<0.005
			16.50	18.00	Q290077	1.50	0.006
			18.00	19.50	Q290078	1.50	<0.005
			19.50	21.00	Q290079	1.50	<0.005
			21.00	22.50	Q290080	1.50	0.007
			22.50	24.00	Q290081	1.50	0.005
			24.00	25.50	Q290082	1.50	<0.005
			25.50	27.00	Q290083	1.50	<0.005
			27.00	28.50	Q290084	1.50	<0.005
			28.50	30.00	Q290085	1.50	<0.005
			30.00	31.50	Q290086	1.50	<0.005
			31.50	33.00	Q290087	1.50	<0.005
			33.00	34.50	Q290088	1.50	<0.005
			34.50	36.00	Q290089	1.50	<0.005
			36.00	37.50	Q290090	1.50	<0.005
			37.50	39.00	Q290091	1.50	<0.005
			39.00	40.50	Q290092	1.50	<0.005
			40.50	42.00	Q290093	1.50	<0.005
			42.00	43.50	Q290094	1.50	<0.005
			43.50	45.00	Q290095	1.50	<0.005
			45.00	46.50	Q290096	1.50	0.035
			46.50	48.00	Q290097	1.50	<0.005
			48.00	49.50	Q290098	1.50	<0.005
			49.50	51.00	Q290099	1.50	<0.005
			51.00	52.50	Q290102	1.50	<0.005
			52.50	54.00	Q290103	1.50	<0.005
			54.00	55.50	Q290104	1.50	<0.005
			55.50	57.00	Q290105	1.50	<0.005
			57.00	58.50	Q290106	1.50	<0.005
			58.50	60.00	Q290107	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			60.00	61.50	Q290108	1.50	<0.005
			61.50	63.00	Q290109	1.50	<0.005
			63.00	64.50	Q290110	1.50	<0.005
			64.50	66.00	Q290111	1.50	<0.005
			66.00	67.50	Q290112	1.50	<0.005
			67.50	69.00	Q290113	1.50	<0.005
			69.00	70.50	Q290114	1.50	0.006
			70.50	72.00	Q290115	1.50	0.013
			72.00	73.50	Q290116	1.50	0.013
			73.50	75.00	Q290117	1.50	0.016
			75.00	76.50	Q290118	1.50	0.023
			76.50	78.00	Q290119	1.50	0.041
			78.00	79.50	Q290120	1.50	0.01
			79.50	81.00	Q290121	1.50	0.018
79.90	92.30	V4; Lithic;	81.00	82.50	Q290122	1.50	0.038
		Trachyte; LITHIC;	82.50	84.00	Q290123	1.50	0.021
			84.00	85.50	Q290124	1.50	0.014
			85.50	87.00	Q290127	1.50	0.014
			87.00	88.50	Q290128	1.50	0.013
			88.50	90.00	Q290129	1.50	0.012
			90.00	91.50	Q290130	1.50	0.016
			91.50	93.00	Q290131	1.50	0.006
92.30	203.80	V4; PyroTuff;	93.00	94.50	Q290132	1.50	<0.005
		Trachyte; PYROCLASTIC (TUFFACEOUS);	94.50	96.00	Q290133	1.50	<0.005
			96.00	97.50	Q290134	1.50	0.005
			97.50	99.00	Q290135	1.50	<0.005
			99.00	100.50	Q290136	1.50	<0.005
			100.50	102.00	Q290137	1.50	<0.005
			102.00	103.50	Q290138	1.50	<0.005
			103.50	105.00	Q290139	1.50	<0.005
			105.00	106.50	Q290140	1.50	0.011
			106.50	108.00	Q290141	1.50	<0.005
			108.00	109.50	Q290142	1.50	<0.005
			109.50	111.00	Q290143	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	111.00	112.50	Q290144	1.50	0.005
	112.50	114.00	Q290145	1.50	<0.005
	114.00	115.50	Q290146	1.50	<0.005
	115.50	117.00	Q290147	1.50	<0.005
	117.00	118.50	Q290148	1.50	<0.005
	118.50	120.00	Q290149	1.50	<0.005
	120.00	121.50	Q290152	1.50	<0.005
	121.50	123.00	Q290153	1.50	<0.005
	123.00	124.50	Q290154	1.50	<0.005
	124.50	126.00	Q290155	1.50	<0.005
	126.00	127.50	Q290156	1.50	<0.005
	127.50	129.00	Q290157	1.50	<0.005
	129.00	130.50	Q290158	1.50	<0.005
	130.50	132.00	Q290159	1.50	<0.005
	132.00	133.50	Q290160	1.50	<0.005
	133.50	135.00	Q290161	1.50	<0.005
	135.00	136.50	Q290162	1.50	<0.005
	136.50	138.00	Q290163	1.50	<0.005
	138.00	139.50	Q290164	1.50	<0.005
	139.50	141.00	Q290165	1.50	<0.005
	141.00	142.50	Q290166	1.50	<0.005
	142.50	144.00	Q290167	1.50	<0.005
	144.00	145.50	Q290168	1.50	<0.005
	145.50	147.00	Q290169	1.50	<0.005
	147.00	148.50	Q290170	1.50	<0.005
	148.50	150.00	Q290171	1.50	0.005
	150.00	151.50	Q290172	1.50	<0.005
	151.50	153.00	Q290173	1.50	<0.005
	153.00	154.50	Q290174	1.50	<0.005
	154.50	156.00	Q290177	1.50	0.005
	156.00	157.50	Q290178	1.50	<0.005
	157.50	159.00	Q290179	1.50	<0.005
	159.00	160.50	Q290180	1.50	<0.005
	160.50	162.00	Q290181	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			162.00	163.50	Q290182	1.50	<0.005
			163.50	165.00	Q290183	1.50	0.029
			165.00	166.50	Q290184	1.50	<0.005
			166.50	168.00	Q290185	1.50	<0.005
			168.00	169.50	Q290186	1.50	0.008
			169.50	171.00	Q290187	1.50	<0.005
			171.00	172.50	Q290188	1.50	0.006
			172.50	174.00	Q290189	1.50	<0.005
			174.00	175.50	Q290190	1.50	<0.005
			175.50	177.00	Q290191	1.50	<0.005
			177.00	178.50	Q290192	1.50	<0.005
			178.50	180.00	Q290193	1.50	<0.005
			180.00	181.50	Q290194	1.50	<0.005
			181.50	183.00	Q290195	1.50	0.006
			183.00	184.50	Q290196	1.50	<0.005
			184.50	186.00	Q290197	1.50	<0.005
			186.00	187.50	Q290198	1.50	<0.005
			187.50	189.00	Q290199	1.50	<0.005
			189.00	190.50	Q290202	1.50	<0.005
			190.50	192.00	Q290203	1.50	<0.005
			192.00	193.50	Q290204	1.50	<0.005
			193.50	195.00	Q290205	1.50	<0.005
			195.00	196.50	Q290206	1.50	0.03
			196.50	198.00	Q290207	1.50	0.029
			198.00	199.50	Q290208	1.50	0.007
			199.50	201.00	Q290209	1.50	0.006
			201.00	202.50	Q290210	1.50	0.005
			202.50	204.00	Q290211	1.50	0.026
203.80	211.20	V4; Undie;	204.00	205.50	Q290212	1.50	0.083
		Trachyte; UNDEFINED;	205.50	207.00	Q290213	1.50	0.139
			207.00	208.50	Q290214	1.50	0.145
			208.50	210.00	Q290215	1.50	0.33
			210.00	211.50	Q290216	1.50	0.1
211.20	426.00	V4; PyroBx;	211.50	213.00	Q290217	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
Trachyte; PYROCLASTIC (BRECCIA);	213.00	214.50	Q290218	1.50	<0.005
	214.50	216.00	Q290219	1.50	<0.005
	216.00	217.50	Q290220	1.50	<0.005
	217.50	219.00	Q290221	1.50	<0.005
	219.00	220.50	Q290222	1.50	0.009
	220.50	222.00	Q290223	1.50	0.006
	222.00	223.50	Q290224	1.50	0.012
	223.50	225.00	Q290227	1.50	0.026
	225.00	226.50	Q290228	1.50	0.088
	226.50	228.00	Q290229	1.50	0.069
	228.00	229.50	Q290230	1.50	0.037
	229.50	231.00	Q290231	1.50	0.044
	231.00	232.50	Q290232	1.50	0.021
	232.50	234.00	Q290233	1.50	0.024
	234.00	235.50	Q290234	1.50	0.011
	235.50	237.00	Q290235	1.50	0.006
	237.00	238.50	Q290236	1.50	<0.005
	238.50	240.00	Q290237	1.50	<0.005
	240.00	241.50	Q290238	1.50	<0.005
	241.50	243.00	Q290239	1.50	<0.005
	243.00	244.50	Q290240	1.50	<0.005
	244.50	246.00	Q290241	1.50	<0.005
	246.00	247.50	Q290242	1.50	<0.005
	247.50	249.00	Q290243	1.50	<0.005
	249.00	250.50	Q290244	1.50	<0.005
	250.50	252.00	Q290245	1.50	<0.005
	252.00	253.50	Q290246	1.50	<0.005
	253.50	255.00	Q290247	1.50	<0.005
	255.00	256.50	Q290248	1.50	0.007
	256.50	258.00	Q290249	1.50	0.006
	258.00	259.50	Q290252	1.50	<0.005
	259.50	261.00	Q290253	1.50	0.006
	261.00	262.50	Q290254	1.50	0.007
	262.50	264.00	Q290255	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	264.00	265.50	Q290256	1.50	<0.005
	265.50	267.00	Q290257	1.50	<0.005
	267.00	268.50	Q290258	1.50	0.007
	268.50	270.00	Q290259	1.50	<0.005
	270.00	271.50	Q290260	1.50	<0.005
	271.50	273.00	Q290261	1.50	<0.005
	273.00	274.50	Q290262	1.50	0.006
	274.50	276.00	Q290263	1.50	0.006
	276.00	277.50	Q290264	1.50	<0.005
	277.50	279.00	Q290265	1.50	0.007
	279.00	280.50	Q290266	1.50	<0.005
	280.50	282.00	Q290267	1.50	<0.005
	282.00	283.50	Q290268	1.50	0.007
	283.50	285.00	Q290269	1.50	0.006
	285.00	286.50	Q290270	1.50	<0.005
	286.50	288.00	Q290271	1.50	0.009
	288.00	289.50	Q290272	1.50	<0.005
	289.50	291.00	Q290273	1.50	0.008
	291.00	292.50	Q290274	1.50	<0.005
	292.50	294.00	Q290277	1.50	0.009
	294.00	295.50	Q290278	1.50	0.013
	295.50	297.00	Q290279	1.50	0.015
	297.00	298.50	Q290280	1.50	0.009
	298.50	300.00	Q290281	1.50	0.007
	300.00	301.50	Q290282	1.50	0.006
	301.50	303.00	Q290283	1.50	0.011
	303.00	304.50	Q290284	1.50	0.008
	304.50	306.00	Q290285	1.50	<0.005
	306.00	307.50	Q290286	1.50	0.009
	307.50	309.00	Q290287	1.50	0.01
	309.00	310.50	Q290288	1.50	0.009
	310.50	312.00	Q290289	1.50	0.007
	312.00	313.50	Q290290	1.50	0.007
	313.50	315.00	Q290291	1.50	0.008

Description	Assay				
	From	To	Sample number	Length	AuBest
	315.00	316.50	Q290292	1.50	0.011
	316.50	318.00	Q290293	1.50	0.007
	318.00	319.50	Q290294	1.50	0.006
	319.50	321.00	Q290295	1.50	0.009
	321.00	322.50	Q290296	1.50	0.005
	322.50	324.00	Q290297	1.50	0.006
	324.00	325.50	Q290298	1.50	0.005
	325.50	327.00	Q290299	1.50	0.013
	327.00	328.50	Q290302	1.50	0.029
	328.50	330.00	Q290303	1.50	0.008
	330.00	331.50	Q290304	1.50	<0.005
	331.50	333.00	Q290305	1.50	<0.005
	333.00	334.50	Q290306	1.50	<0.005
	334.50	336.00	Q290307	1.50	<0.005
	336.00	337.50	Q290308	1.50	<0.005
	337.50	339.00	Q290309	1.50	<0.005
	339.00	340.50	Q290310	1.50	<0.005
	340.50	342.00	Q290311	1.50	<0.005
	342.00	343.50	Q290312	1.50	<0.005
	343.50	345.00	Q290313	1.50	<0.005
	345.00	346.50	Q290314	1.50	<0.005
	346.50	348.00	Q290315	1.50	<0.005
	348.00	349.50	Q290316	1.50	<0.005
	349.50	351.00	Q290317	1.50	<0.005
	351.00	352.50	Q290318	1.50	<0.005
	352.50	354.00	Q290319	1.50	<0.005
	354.00	355.50	Q290320	1.50	<0.005
	355.50	357.00	Q290321	1.50	<0.005
	357.00	358.50	Q290322	1.50	0.011
	358.50	360.00	Q290323	1.50	<0.005
	360.00	361.50	Q290324	1.50	0.017
	361.50	363.00	Q290327	1.50	0.026
	363.00	364.50	Q290328	1.50	<0.005
	364.50	366.00	Q290329	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	366.00	367.50	Q290330	1.50	<0.005
	367.50	369.00	Q290331	1.50	<0.005
	369.00	370.50	Q290332	1.50	<0.005
	370.50	372.00	Q290333	1.50	<0.005
	372.00	373.50	Q290334	1.50	<0.005
	373.50	375.00	Q290335	1.50	<0.005
	375.00	376.50	Q290336	1.50	<0.005
	376.50	378.00	Q290337	1.50	0.005
	378.00	379.50	Q290338	1.50	<0.005
	379.50	381.00	Q290339	1.50	<0.005
	381.00	382.50	Q290340	1.50	<0.005
	382.50	384.00	Q290341	1.50	<0.005
	384.00	385.50	Q290342	1.50	<0.005
	385.50	387.00	Q290343	1.50	<0.005
	387.00	388.50	Q290344	1.50	<0.005
	388.50	390.00	Q290345	1.50	<0.005
	390.00	391.50	Q290346	1.50	<0.005
	391.50	393.00	Q290347	1.50	<0.005
	393.00	394.50	Q290348	1.50	0.022
	394.50	396.00	Q290349	1.50	<0.005
	396.00	397.50	Q290352	1.50	<0.005
	397.50	399.00	Q290353	1.50	<0.005
	399.00	400.50	Q290354	1.50	<0.005
	400.50	402.00	Q290355	1.50	0.016
	402.00	403.50	Q290356	1.50	0.015
	403.50	405.00	Q290357	1.50	0.005
	405.00	406.50	Q290358	1.50	0.01
	406.50	408.00	Q290359	1.50	0.006
	408.00	409.50	Q290360	1.50	<0.005
	409.50	411.00	Q290361	1.50	<0.005
	411.00	412.50	Q290362	1.50	0.008
	412.50	414.00	Q290363	1.50	<0.005
	414.00	415.50	Q290364	1.50	0.007
	415.50	417.00	Q290365	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	417.00	418.50	Q290366	1.50	<0.005
	418.50	420.00	Q290367	1.50	<0.005
	420.00	421.50	Q290368	1.50	0.005
	421.50	423.00	Q290369	1.50	0.005
	423.00	424.50	Q290370	1.50	<0.005
	424.50	426.00	Q290371	1.50	<0.005
426.00	**End of DDH**				
	Number of samples: 276				
	Number of QAQC samples: 24				
	Total sampled length: 413.60				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_66

Drilled by:	Major	Claims title:	L9691	Section:	
Described by:	Chris Clarke - Celine Sperandio-ARichardson(relog)	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	26/03/2014	Description date:	05/04/2014
		To:	29/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 459.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,801.997
North	0.0	0.000	5,331,841.631
Elevation	0.0	0.000	341.772

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	72.00	359.7°	-51.2°	No	mag: 56647
ReflexEZS	132.00	357.7°	-48.6°	No	mag: 56091
ReflexEZS	192.00	356.8°	-43.8°	No	mag: 56138
ReflexEZS	252.00	354.6°	-39.8°	No	mag: 55854
ReflexEZS	312.00	357.7°	-39.0°	No	mag: 55294
ReflexEZS	372.00	358.9°	-39.4°	No	mag : 56369
ReflexEZS	432.00	354.2°	-38.3°	No	mag : 55168

Description

Re-logged by Ciara Cooke from 198m to EOH.

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	61.20	OVB; Undie;						
		Overburden; UNDEFINED;						
0.00	10.00	Fl;;Ak;Fl;2°;;						
		floods ankerite flooding 2°						
61.20	361.00	V4; PyroTuff; Fol		61.20	62.00	Q291180	0.80	0.014
		Trachyte; PYROCLASTIC (TUFFACEOUS); Foliated		62.00	63.00	Q291181	1.00	0.01
		Med green trachytic flow to pyroclastic unit. Fg with intense pervasive chl alteration. Selective pink calcite.		63.00	64.00	Q291182	1.00	0.018
		Weak to moderate intermittent foliation. Isolated pinky-red potassic altered glassy pumice fragments with		64.00	65.00	Q291183	1.00	0.01
		recrystallized amygdules and trace incl of hematite. Pervasive magnetite. Traces of py.						
65.00	65.50	LC		65.00	65.50	MU14_66_65.00_65.50	0.50	
		Lost Core						
		Driller's block says lost core 0.3m block to block to appears to be 0.5m.		65.50	66.00	Q291184	0.50	0.01
				66.00	67.50	Q291185	1.50	<0.005
				67.50	69.00	Q291186	1.50	<0.005
				69.00	70.50	Q291187	1.50	<0.005
				70.50	72.00	Q291188	1.50	<0.005
				72.00	73.50	Q291189	1.50	<0.005
				73.50	75.00	Q291190	1.50	<0.005
				75.00	76.50	Q291191	1.50	0.006
				76.50	78.00	Q291192	1.50	<0.005
				78.00	79.50	Q291193	1.50	<0.005
				79.50	81.00	Q291194	1.50	<0.005
				81.00	82.50	Q291195	1.50	<0.005
				82.50	84.00	Q291196	1.50	<0.005
				84.00	85.50	Q291197	1.50	0.005
				85.50	87.00	Q291198	1.50	0.025
				87.00	88.50	Q291199	1.50	0.005
				88.50	90.00	Q291202	1.50	<0.005
				90.00	91.50	Q291203	1.50	0.023
				91.50	93.00	Q291204	1.50	<0.005
				93.00	94.50	Q291205	1.50	<0.005
				94.50	96.00	Q291206	1.50	0.01
				96.00	97.50	Q291207	1.50	<0.005
				97.50	99.00	Q291208	1.50	<0.005
				99.00	100.50	Q291209	1.50	0.006
				100.50	102.00	Q291210	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	102.00	103.50	Q291211	1.50	0.007
	103.50	105.00	Q291212	1.50	<0.005
	105.00	106.50	Q291213	1.50	0.005
	106.50	108.00	Q291214	1.50	<0.005
	108.00	109.50	Q291215	1.50	0.005
	109.50	111.00	Q291216	1.50	0.006
	111.00	112.50	Q291217	1.50	<0.005
	112.50	114.00	Q291218	1.50	<0.005
	114.00	115.50	Q291219	1.50	0.007
	115.50	117.00	Q291220	1.50	<0.005
	117.00	118.50	Q291221	1.50	<0.005
	118.50	120.00	Q291222	1.50	<0.005
	120.00	121.50	Q291223	1.50	<0.005
	121.50	123.00	Q291224	1.50	0.006
	123.00	124.50	Q291227	1.50	0.009
	124.50	126.00	Q291228	1.50	<0.005
	126.00	127.50	Q291229	1.50	<0.005
	127.50	129.00	Q291230	1.50	<0.005
	129.00	130.50	Q291231	1.50	0.005
	130.50	132.00	Q291232	1.50	<0.005
	132.00	133.50	Q291233	1.50	<0.005
	133.50	135.00	Q291234	1.50	<0.005
	135.00	136.50	Q291235	1.50	<0.005
	136.50	138.00	Q291236	1.50	<0.005
	138.00	139.50	Q291237	1.50	<0.005
	139.50	141.00	Q291238	1.50	<0.005
	141.00	142.50	Q291239	1.50	<0.005
	142.50	144.00	Q291240	1.50	0.005
	144.00	145.50	Q291241	1.50	<0.005
	145.50	147.00	Q291242	1.50	<0.005
	147.00	148.50	Q291243	1.50	0.008
	148.50	150.00	Q291244	1.50	<0.005
	150.00	151.50	Q291245	1.50	<0.005
	151.50	153.00	Q291246	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	153.00	154.50	Q291247	1.50	<0.005
	154.50	156.00	Q291248	1.50	<0.005
	156.00	157.50	Q291249	1.50	<0.005
	157.50	159.00	Q291252	1.50	<0.005
	159.00	160.50	Q291253	1.50	<0.005
	160.50	162.00	Q291254	1.50	0.021
	162.00	163.50	Q291255	1.50	0.057
	163.50	165.00	Q291256	1.50	0.053
	165.00	166.50	Q291257	1.50	<0.005
	166.50	168.00	Q291258	1.50	<0.005
	168.00	169.50	Q291259	1.50	<0.005
	169.50	171.00	Q291260	1.50	<0.005
	171.00	172.50	Q291261	1.50	<0.005
	172.50	174.00	Q291262	1.50	<0.005
	174.00	175.50	Q291263	1.50	<0.005
	175.50	177.00	Q291264	1.50	<0.005
	177.00	178.50	Q291265	1.50	<0.005
	178.50	180.00	Q291266	1.50	<0.005
	180.00	181.50	Q291267	1.50	<0.005
	181.50	183.00	Q291268	1.50	<0.005
	183.00	184.50	Q291269	1.50	<0.005
	184.50	186.00	Q291270	1.50	<0.005
	186.00	187.50	Q291271	1.50	<0.005
	187.50	189.00	Q291272	1.50	<0.005
	189.00	190.50	Q291273	1.50	<0.005
	190.50	192.00	Q291274	1.50	<0.005
	192.00	193.50	Q291277	1.50	<0.005
	193.50	195.00	Q291278	1.50	<0.005
	195.00	196.50	Q291279	1.50	<0.005
	196.50	198.00	Q291280	1.50	<0.005
	198.00	199.50	Q291281	1.50	<0.005
	199.50	201.00	Q291282	1.50	<0.005
	201.00	202.50	Q291283	1.50	<0.005
	202.50	204.00	Q291284	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	204.00	205.50	Q291285	1.50	<0.005
	205.50	207.00	Q291286	1.50	<0.005
	207.00	208.50	Q291287	1.50	<0.005
	208.50	210.00	Q291288	1.50	0.005
	210.00	211.50	Q291289	1.50	<0.005
	211.50	213.00	Q291290	1.50	0.005
	213.00	214.50	Q291291	1.50	<0.005
	214.50	216.00	Q291292	1.50	<0.005
	216.00	217.50	Q291293	1.50	<0.005
	217.50	219.00	Q291294	1.50	0.005
	219.00	220.50	Q291295	1.50	<0.005
	220.50	222.00	Q291296	1.50	<0.005
	222.00	223.50	Q291297	1.50	<0.005
	223.50	225.00	Q291298	1.50	<0.005
	225.00	226.50	Q291299	1.50	<0.005
	226.50	228.00	Q291302	1.50	0.009
	228.00	229.50	Q291303	1.50	<0.005
	229.50	231.00	Q291304	1.50	<0.005
	231.00	232.50	Q291305	1.50	0.005
	232.50	234.00	Q291306	1.50	<0.005
	234.00	235.50	Q291307	1.50	<0.005
	235.50	237.00	Q291308	1.50	<0.005
	237.00	238.50	Q291309	1.50	0.005
	238.50	240.00	Q291310	1.50	<0.005
	240.00	241.50	Q291311	1.50	0.005
	241.50	243.00	Q291312	1.50	<0.005
	243.00	244.50	Q291313	1.50	<0.005
	244.50	246.00	Q291314	1.50	0.005
	246.00	247.50	Q291315	1.50	0.005
	247.50	249.00	Q291316	1.50	<0.005
	249.00	250.50	Q291317	1.50	<0.005
	250.50	252.00	Q291318	1.50	0.005
	252.00	253.50	Q291319	1.50	0.013
	253.50	255.00	Q291320	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	255.00	256.50	Q291321	1.50	<0.005
	256.50	258.00	Q291322	1.50	<0.005
	258.00	259.50	Q291323	1.50	<0.005
	259.50	261.00	Q291324	1.50	<0.005
	261.00	262.50	Q291327	1.50	<0.005
	262.50	264.00	Q291328	1.50	<0.005
	264.00	265.50	Q291329	1.50	<0.005
	265.50	267.00	Q291330	1.50	<0.005
	267.00	268.50	Q291331	1.50	0.008
	268.50	270.00	Q291332	1.50	<0.005
	270.00	271.50	Q291333	1.50	0.005
	271.50	273.00	Q291334	1.50	<0.005
	273.00	274.50	Q291335	1.50	0.005
	274.50	276.00	Q291336	1.50	<0.005
	276.00	277.50	Q291337	1.50	<0.005
	277.50	279.00	Q291338	1.50	<0.005
	279.00	280.50	Q291339	1.50	<0.005
	280.50	282.00	Q291340	1.50	<0.005
	282.00	283.50	Q291341	1.50	<0.005
	283.50	285.00	Q291342	1.50	<0.005
	285.00	286.50	Q291343	1.50	<0.005
	286.50	288.00	Q291344	1.50	<0.005
	288.00	289.50	Q291345	1.50	<0.005
	289.50	291.00	Q291346	1.50	<0.005
	291.00	292.50	Q291347	1.50	<0.005
	292.50	294.00	Q291348	1.50	<0.005
	294.00	295.50	Q291349	1.50	0.01
	295.50	297.00	Q291352	1.50	<0.005
	297.00	298.50	Q291353	1.50	<0.005
	298.50	300.00	Q291354	1.50	<0.005
	300.00	301.50	Q291355	1.50	<0.005
	301.50	303.00	Q291356	1.50	<0.005
	303.00	304.50	Q291357	1.50	<0.005
	304.50	306.00	Q291358	1.50	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	306.00	307.50	Q291359	1.50	<0.005
	307.50	309.00	Q291360	1.50	0.009
	309.00	310.50	Q291361	1.50	0.014
	310.50	312.00	Q291362	1.50	<0.005
	312.00	313.50	Q291363	1.50	<0.005
	313.50	315.00	Q291364	1.50	<0.005
	315.00	316.50	Q291365	1.50	<0.005
	316.50	318.00	Q291366	1.50	<0.005
	318.00	319.50	Q291367	1.50	<0.005
	319.50	321.00	Q291368	1.50	<0.005
	321.00	322.50	Q291369	1.50	<0.005
	322.50	324.00	Q291370	1.50	<0.005
	324.00	325.50	Q291371	1.50	<0.005
	325.50	327.00	Q291372	1.50	0.005
	327.00	328.50	Q291373	1.50	<0.005
	328.50	330.00	Q291374	1.50	<0.005
	330.00	331.50	Q291377	1.50	<0.005
	331.50	333.00	Q291378	1.50	<0.005
	333.00	334.50	Q291379	1.50	0.005
	334.50	336.00	Q291380	1.50	0.01
	336.00	337.50	Q291381	1.50	<0.005
	337.50	339.00	Q291382	1.50	<0.005
	339.00	340.50	Q291383	1.50	<0.005
	340.50	342.00	Q291384	1.50	<0.005
	342.00	343.50	Q291385	1.50	<0.005
	343.50	345.00	Q291386	1.50	<0.005
	345.00	346.50	Q291387	1.50	<0.005
	346.50	348.00	Q291388	1.50	<0.005
	348.00	349.50	Q291389	1.50	<0.005
	349.50	351.00	Q291390	1.50	<0.005
	351.00	352.50	Q291391	1.50	0.009
	352.50	354.00	Q291392	1.50	<0.005
	354.00	355.50	Q291393	1.50	<0.005
	355.50	357.00	Q291394	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			357.00	358.50	Q291395	1.50	<0.005
			358.50	360.00	Q291396	1.50	<0.005
			360.00	361.50	Q291397	1.50	<0.005
361.00	459.00	V4; Fol; PyroTuff	361.50	363.00	Q291398	1.50	<0.005
		Trachyte; Foliated; PYROCLASTIC (TUFFACEOUS)	363.00	364.50	Q291399	1.50	<0.005
		Med greyish-green deformed volcanics. Tuffaceous. Fg with pervasive chl alteration. Ankerite-sericite alt.	364.50	366.00	Q291402	1.50	<0.005
		Protomylonite - intense tectonic deformation with mantle porphyroblasts as well as well formed S-C fabrics and	366.00	367.50	Q291403	1.50	<0.005
		harmonic micro-folding. Ankerite veining. Moderate selective magnetism. Trace py.	367.50	369.00	Q291404	1.50	<0.005
			369.00	370.50	Q291405	1.50	<0.005
			370.50	372.00	Q291406	1.50	<0.005
			372.00	373.50	Q291407	1.50	<0.005
			373.50	375.00	Q291408	1.50	0.015
			375.00	376.50	Q291409	1.50	<0.005
			376.50	378.00	Q291410	1.50	<0.005
			378.00	379.50	Q291411	1.50	<0.005
			379.50	381.00	Q291412	1.50	<0.005
			381.00	382.50	Q291413	1.50	<0.005
			382.50	384.00	Q291414	1.50	<0.005
			384.00	385.50	Q291415	1.50	<0.005
			385.50	387.00	Q291416	1.50	0.012
			387.00	388.50	Q291417	1.50	0.019
			388.50	390.00	Q291418	1.50	<0.005
			390.00	391.50	Q291419	1.50	0.007
			391.50	393.00	Q291420	1.50	0.04
			393.00	394.50	Q291421	1.50	<0.005
			394.50	396.00	Q291422	1.50	<0.005
			396.00	397.50	Q291423	1.50	<0.005
			397.50	399.00	Q291424	1.50	<0.005
			399.00	400.50	Q291427	1.50	<0.005
			400.50	402.00	Q291428	1.50	<0.005
			402.00	403.50	Q291429	1.50	<0.005
			403.50	405.00	Q291430	1.50	0.007
			405.00	406.50	Q291431	1.50	<0.005
			406.50	408.00	Q291432	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	408.00	409.50	Q291433	1.50	<0.005
	409.50	411.00	Q291434	1.50	<0.005
	411.00	412.50	Q291435	1.50	0.017
	412.50	414.00	Q291436	1.50	<0.005
	414.00	415.50	Q291437	1.50	<0.005
	415.50	417.00	Q291438	1.50	<0.005
	417.00	418.50	Q291439	1.50	<0.005
	418.50	420.00	Q291440	1.50	<0.005
	420.00	421.50	Q291441	1.50	<0.005
	421.50	423.00	Q291442	1.50	0.005
	423.00	424.50	Q291443	1.50	0.014
	424.50	426.00	Q291444	1.50	<0.005
	426.00	427.50	Q291445	1.50	0.017
	427.50	429.00	Q291446	1.50	<0.005
	429.00	430.50	Q291447	1.50	<0.005
	430.50	432.00	Q291448	1.50	<0.005
	432.00	433.50	Q291449	1.50	0.005
	433.50	435.00	Q291452	1.50	0.039
	435.00	436.50	Q291453	1.50	0.005
	436.50	438.00	Q291454	1.50	<0.005
	438.00	439.50	Q291455	1.50	<0.005
	439.50	441.00	Q291456	1.50	<0.005
	441.00	442.50	Q291457	1.50	<0.005
	442.50	444.00	Q291458	1.50	<0.005
	444.00	445.50	Q291459	1.50	<0.005
	445.50	447.00	Q291460	1.50	<0.005
	447.00	448.50	Q291461	1.50	<0.005
	448.50	450.00	Q291462	1.50	<0.005
	450.00	451.00	Q291463	1.00	<0.005
	451.00	452.50	Q291464	1.50	<0.005
	452.50	454.00	Q291465	1.50	<0.005
	454.00	455.50	Q291466	1.50	<0.005
	455.50	457.00	Q291467	1.50	<0.005
	457.00	458.00	Q291468	1.00	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	458.00	459.00	Q291469	1.00	0.007
459.00	End of DDH Number of samples: 269 Number of QAQC samples: 22 Total sampled length: 397.80				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_67

Drilled by:	Major	Claims title:	L9495	Section:	
Described by:	Celine Sperandio - Chris Clarke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Kirkland Lake - Dobie
		Lot:			
		From:	24/03/2014	Description date:	06/04/2014
		To:	28/03/2014		

Collar

Azimuth:	220.0°
Dip:	-50.0°
Length:	507.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,126.499
North	0.0	0.000	5,331,661.412
Elevation	0.0	0.000	343.840

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	220.0°	-50.0°	No	
ReflexEZS	60.00	209.9°	-52.3°	No	Mag = 54826
ReflexEZS	120.00	211.9°	-52.0°	No	Mag = 55950
ReflexEZS	183.00	211.8°	-52.5°	No	Mag = 56113
ReflexEZS	243.00	214.4°	-53.1°	No	Mag = 54813
ReflexEZS	303.00	214.1°	-52.8°	No	Mag = 54983
ReflexEZS	363.00	217.3°	-51.9°	No	Mag = 55044
ReflexEZS	413.00	218.5°	-51.5°	No	Mag = 55116
ReflexEZS	483.00	220.6°	-51.1°	No	Mag = 54784

Description

blocking error at 303m (repeated blocks); below 303m the blocks are 3m behind. i.e. EOH is actually 507m.

Relogged by Gilles Kamta Stard August 19-2014 End 22August 2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	48.00	OVB **Overburden** Casing / Overburden					
48.00	127.50	V4; Aph **Trachyte; APHANITIC** Medium green-grey massive trachyte flow, fine grained, strongly magnetic (pervasive). Weak and intermittant foliation 25-35 DTCA From 62.5 to 67.8m , trachyte is grading to weakly maroon-reddish potassic alteration. The unit is strongly calcitic, some small veins veins and veinlets crosscutting or are parallel TCA, No visible sulphides, weakly iron oxydated at fractures (selective frc), isolated dark-green chlorite banded. Some Quatz-ankerite veins are pinkish to reddish but not calcitic.	48.00	49.50	Q291470	1.50	<0.005
48.00	63.55	Ca03; Cl03 **Calcite 3; Chlorite 3** Strong pervasive calcite-chlorite					
48.00	49.50	Py00.1 **Pyrite 0.1%** traces of pyrite					
49.50	51.00	Py00.1 **Pyrite 0.1%** traces of pyrite	49.50	51.00	Q291471	1.50	<0.005
49.80	60.00	Fl;5;Ca;Ra;;; **floods 5 calcite random** Flooding calcite veins					
51.00	52.50	Py00.1 **Pyrite 0.1%** traces of pyrite	51.00	52.50	Q291472	1.50	<0.005
52.50	54.00	Py00.1 **Pyrite 0.1%** traces of pyrite	52.50	54.00	Q291473	1.50	<0.005
54.00	55.50	Py00.1 **Pyrite 0.1%** traces of pyrite	54.00	55.50	Q291474	1.50	<0.005
55.50	57.00	Py00.1 **Pyrite 0.1%** traces of pyrite	55.50	57.00	Q291477	1.50	<0.005
57.00	58.50	Py00.1 **Pyrite 0.1%** traces of pyrite	57.00	58.50	Q291478	1.50	<0.005
58.50	60.00	Py00.1 **Pyrite 0.1%**	58.50	60.00	Q291479	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
60.00	61.50	Py00.1	60.00	61.50	Q291480	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
60.60	61.50	Vn;5%;Ca;In;5°;;					
		vein (5 mm - 10 cm) 5% calcite infilled fractures 5°					
		1 cm calcite veins Parallel TCA					
61.50	63.00	Py00.1	61.50	63.00	Q291481	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
63.00	64.50	Py00.1	63.00	64.50	Q291482	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
63.55	68.00	Ca03; K02; Cl02					
		Calcite 3; Potassic 2; Chlorite 2					
		Strong calcite alteration, moderate pervasive potassic, weak to moderate chlorite.					
64.50	66.00	Py00.1	64.50	66.00	Q291483	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
66.00	67.50	Py00.1	66.00	67.50	Q291484	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
67.50	69.00	Py00.1	67.50	69.00	Q291485	1.50	0.023
		Pyrite 0.1%					
		traces of pyrite					
68.00	90.20	Ca03; Cl03					
		Calcite 3; Chlorite 3					
		strong calcite chlorite alteration					
68.00	74.00	Vt;5%;Ca;Sk;;;					
		veinlet (1-5 mm) 5% calcite stockwork					
		flooding quartz ankerite veinlets					
69.00	70.50	Py00.1	69.00	70.50	Q291486	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
70.50	72.00	Py00.1	70.50	72.00	Q291487	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
72.00	73.50	Py00.1	72.00	73.50	Q291488	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
73.50	75.00	Py00.1 **Pyrite 0.1%** traces of pyrite	73.50	75.00	Q291489	1.50	<0.005
75.00	76.50	Py00.1 **Pyrite 0.1%** traces of pyrite	75.00	76.50	Q291490	1.50	0.005
76.50	78.00	Py00.1 **Pyrite 0.1%** traces of pyrite	76.50	78.00	Q291491	1.50	0.007
78.00	79.50	Py00.1 **Pyrite 0.1%** traces of pyrite	78.00	79.50	Q291492	1.50	<0.005
79.50	81.00	Py00.1 **Pyrite 0.1%** traces of pyrite	79.50	81.00	Q291493	1.50	<0.005
81.00	82.50	Py00.1 **Pyrite 0.1%** traces of pyrite	81.00	82.50	Q291494	1.50	<0.005
82.50	84.00	Py00.1 **Pyrite 0.1%** traces of pyrite	82.50	84.00	Q291495	1.50	<0.005
84.00	85.50	Py00.1 **Pyrite 0.1%** traces of pyrite	84.00	85.50	Q291496	1.50	<0.005
85.50	87.00	Py00.1 **Pyrite 0.1%** traces of pyrite					
85.50	94.00	Vn;5%;Ca;In;70°;; **vein (5 mm - 10 cm) 5% calcite infilled fractures 70°** 2-4 cm calcite veins	85.50	87.00	Q291497	1.50	<0.005
87.00	88.50	Py00.1 **Pyrite 0.1%** traces of pyrite	87.00	88.50	Q291498	1.50	<0.005
88.50	90.00	Py00.1 **Pyrite 0.1%** traces of pyrite	88.50	90.00	Q291499	1.50	<0.005
90.00	91.50	Py00.1 **Pyrite 0.1%** traces of pyrite	90.00	91.50	Q291502	1.50	<0.005
90.20	108.00	Ca03; K02; Cl02					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Calcite 3; Potassic 2; Chlorite 2					
		Strong pervasive calcite, moderate potassic chlorite alteration					
91.50	92.50	Py00.1	91.50	92.50	Q291503	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
92.50	94.00	Py00.1	92.50	94.00	Q291504	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
94.00	95.50	Py00.1	94.00	95.50	Q291505	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
95.50	97.00	Py00.1	95.50	97.00	Q291506	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
97.00	98.50	Py00.1	97.00	98.50	Q291507	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
98.50	100.00	Py00.1	98.50	100.00	Q291508	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
100.00	101.50	Py00.1	100.00	101.50	Q291509	1.50	<0.005
		Pyrite 0.1%					
		traces					
101.50	103.00	Py00.1	101.50	103.00	Q291510	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
103.00	104.50	Py00.1	103.00	104.50	Q291511	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
104.50	106.00	Py00.1	104.50	106.00	Q291512	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
105.00	115.50	Vn;10%;Ca;In;30°;;					
		vein (5 mm - 10 cm) 10% calcite infilled fractures 30°					
		0.5-2 cm calcite veins					
106.00	107.50	Py00.1	106.00	107.50	Q291513	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
107.50	109.00	Py00.1	107.50	109.00	Q291514	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
108.00	131.00	Ca03; Cl03					
		Calcite 3; Chlorite 3					
		strong pervasive chlorite calcite alteration					
109.00	110.50	Py00.1	109.00	110.50	Q291515	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
110.50	112.00	Py00.1	110.50	112.00	Q291516	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
112.00	113.50	Py00.1	112.00	113.50	Q291517	1.50	0.015
		Pyrite 0.1%					
		traces of pyrite					
113.50	115.00	Py00.1	113.50	115.00	Q291518	1.50	0.02
		Pyrite 0.1%					
		traces of pyrite					
115.00	158.00	Fln	115.00	116.50	Q291519	1.50	0.005
		Foliation 30°					
		weak pervasive foliation					
115.00	116.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
116.50	118.00	Py00.1	116.50	118.00	Q291520	1.50	0.016
		Pyrite 0.1%					
		traces of pyrite					
117.50	127.50	Vn;10%;Ca;In;70°;;					
		vein (5 mm - 10 cm) 10% calcite infilled fractures 70°					
		0.5-7 cm calcite veins					
118.00	119.00	Py00.1	118.00	119.00	Q291521	1.00	0.011
		Pyrite 0.1%					
		traces of pyrite					
119.00	120.50	Py00.1	119.00	120.50	Q291522	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
120.50	122.00	Py00.1	120.50	122.00	Q291523	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
122.00	123.50	Py00.1	122.00	123.50	Q291524	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
123.50	125.00	Py00.1 **Pyrite 0.1%** traces of pyrite	123.50	125.00	Q291527	1.50	<0.005
125.00	126.50	Py00.1 **Pyrite 0.1%** traces of pyrite	125.00	126.50	Q291528	1.50	0.011
126.50	128.00	Py00.1 **Pyrite 0.1%** traces of pyrite	126.50	128.00	Q291529	1.50	0.034
127.50	140.00	V4; Tuff; BBC **Trachyte 30°; TUFF; Broken Blocky Core** Medium to dark green, trachyte mafic lapilli tuff, fine groundmass with dispersed medium pyroclasts irregulary disseminated. Is strongly magnetitc, strongly altered to calcite (selective, strong in veins and veinlets). The unit is strongly fractured between 125m and 126m. Foliation is moderate to strong, 35 tdca. Pyrite fine in traces disseminated. the lower contact with trachyte flow is gradational.					
128.00	129.50	Py00.1 **Pyrite 0.1%** traces of pyrite	128.00	129.50	Q291530	1.50	<0.005
129.50	131.00	Py00.1 **Pyrite 0.1%** traces of pyrite	129.50	131.00	Q291531	1.50	<0.005
131.00	144.00	Cl03; Ca02 **Chlorite 3; Calcite 2** Strong pervasive chlorite, moderate pervasive chlorite(strong in the calcite veins)	131.00	132.50	Q291532	1.50	<0.005
131.00	132.50	Py00.1 **Pyrite 0.1%** traces of pyrite					
132.50	134.00	Py00.1 **Pyrite 0.1%** traces of pyrite	132.50	134.00	Q291533	1.50	<0.005
134.00	135.50	Py00.1 **Pyrite 0.1%** traces of pyrite	134.00	135.50	Q291534	1.50	<0.005
135.50	137.00	Py00.1 **Pyrite 0.1%** traces of pyrite	135.50	137.00	Q291535	1.50	<0.005
137.00	138.50	Py00.1 **Pyrite 0.1%** traces of pyrite	137.00	138.50	Q291536	1.50	<0.005
138.50	140.00	Py00.1	138.50	140.00	Q291537	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
140.00	216.00	V4; Aph	140.00	141.50	Q291538	1.50	<0.005
		Trachyte; APHANITIC					
		Green grey massive trachyte flow, fine grained or aphanitc weakly to strongly magnetic, the unit is cut by numerous quartz calcite-chlorite and chlorite veins and veinlets, moderate to strong calcite alteration, strong pervasive chlorite, localized weak pervasive pinkish coloration 144-154.50 m probably potassic alteration. Foliation is weak and intermittant 20-40 DTCA. It's mineralized traces of pyrite.					
140.00	141.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
141.00	141.50	Vn;20%;Ca;In;50°;;					
		vein (5 mm - 10 cm) 20% calcite infilled fractures 50°					
		9-10 cm calcite veins 50-60 DTCA					
141.50	143.00	Py00.1	141.50	143.00	Q291539	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
143.00	144.50	Py00.1	143.00	144.50	Q291540	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
144.00	154.50	Ca03; Cl03; K01					
		Calcite 3; Chlorite 3; Potassic 1					
		Strong pervasive calcite chlorite alteration. weak pervasive potassic.					
144.50	146.00	Py00.1	144.50	146.00	Q291541	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
144.50	144.60	Vn;85%;Ca;In;40°;;					
		vein (5 mm - 10 cm) 85% calcite infilled fractures 40°					
		3 cm calcite veins					
146.00	147.50	Py00.1	146.00	147.50	Q291542	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
146.70	146.95	Vm;95%;Qcc;In;50°;;					
		major vein (10 cm or greater) 95% quartz-calcite-chlorite infilled fractures 50°					
		25 cm quartz-calcite-chlorite veins					
147.50	149.00	Py00.1	147.50	149.00	Q291543	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
149.00	150.50	Py00.1	149.00	150.50	Q291544	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
150.00	159.00	Vn;5%;Qcc;In;30°;;					
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite infilled fractures 30°					
		0.5-2 cm infilled and flooding quartz ankerite veins 30-40 DTCA					
150.50	152.00	Py00.1	150.50	152.00	Q291545	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
152.00	153.50	Py00.1	152.00	153.50	Q291546	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
153.50	155.00	Py00.1	153.50	155.00	Q291547	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
154.50	189.00	Ca03; Cl03					
		Calcite 3; Chlorite 3					
		strong pervasive calcite chlorite alteration					
155.00	156.50	Py00.1	155.00	156.50	Q291548	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
156.50	159.50	Py00.1	156.50	158.00	Q291549	1.50	<0.005
		Pyrite 0.1%	158.00	159.50	MU14_67_158.00_159.50	1.50	
		traces of pyrite					
159.20	159.50	Vn;5%;Qcc;In;40°;;					
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite infilled fractures 40°					
		2 cm calcite veins and veinlets.					
159.50	161.00	Py00.1	159.50	161.00	Q291553	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
161.00	162.00	Py00.1	161.00	162.00	Q291554	1.00	<0.005
		Pyrite 0.1%					
		traces of pyrite					
161.80	163.50	Vn;5%;Ca;In;50°;;					
		vein (5 mm - 10 cm) 5% calcite infilled fractures 50°					
		flooding and infilled Calcite(0.5-2 cm) veins and veinlets					
162.00	163.00	Py00.1	162.00	163.00	Q291555	1.00	<0.005
		Pyrite 0.1%					
		traces					
163.00	164.50	Py00.1	163.00	164.50	Q291556	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
164.00	165.10	Vm;30%;Qcc;In;40°;;					
		major vein (10 cm or greater) 30% quartz-calcite-chlorite infilled fractures 40°					
		18 cm quartz-calcite-chlorite veins.					
164.50	166.00	Py00.1	164.50	166.00	Q291557	1.50	<0.005
		Pyrite 0.1%					
		traces					
165.20	198.00	Vn;5%;Qca;In;30°;;					
		vein (5 mm - 10 cm) 5% quartz-calcite infilled fractures 30°					
		1-2 cm calcite veins					
166.00	167.50	Py00.1	166.00	167.50	Q291558	1.50	<0.005
		Pyrite 0.1%					
		traces					
167.50	169.00	Py00.1	167.50	169.00	Q291559	1.50	<0.005
		Pyrite 0.1%					
		traces					
169.00	170.50	Py00.1	169.00	170.50	Q291560	1.50	<0.005
		Pyrite 0.1%					
		traces					
170.50	172.00	Py00.1	170.50	172.00	Q291561	1.50	<0.005
		Pyrite 0.1%					
		traces					
172.00	173.50	Py00.1	172.00	173.50	Q291562	1.50	<0.005
		Pyrite 0.1%					
		traces					
173.50	175.00	Py00.1	173.50	175.00	Q291563	1.50	<0.005
		Pyrite 0.1%					
		traces					
174.00	213.00	Fln					
		Foliation 40°					
		weak to moderate intermittant foliation					
175.00	176.50	Py00.1	175.00	176.50	Q291564	1.50	<0.005
		Pyrite 0.1%					
		traces					
176.50	178.00	Py00.1	176.50	178.00	Q291565	1.50	0.015
		Pyrite 0.1%					
		traces					
178.00	179.50	Py00.1	178.00	179.50	Q291566	1.50	<0.005
		Pyrite 0.1%					
		traces					
179.50	181.00	Py00.1	179.50	181.00	Q291567	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
181.00	182.50	Py00.1	181.00	182.50	Q291568	1.50	<0.005
		Pyrite 0.1%					
		traces					
182.50	184.00	Py00.1	182.50	184.00	Q291569	1.50	<0.005
		Pyrite 0.1%					
		traces					
184.00	185.50	Py00.1	184.00	185.50	Q291570	1.50	<0.005
		Pyrite 0.1%					
		traces					
185.50	187.00	Py00.1	185.50	187.00	Q291571	1.50	<0.005
		Pyrite 0.1%					
		traces					
187.00	188.50	Py00.1	187.00	188.50	Q291572	1.50	<0.005
		Pyrite 0.1%					
		traces					
188.50	190.00	Py00.1	188.50	190.00	Q291573	1.50	<0.005
		Pyrite 0.1%					
		traces					
189.00	201.00	Cl03; Ca02; Ank02; Se01					
		Chlorite 3; Calcite 2; Ankerite 2; Sericite 1					
		Intense pervasive chlorite, moderate pervasive calcite, weak to moderate pervasive ankerite, weak					
		spotty sericite					
190.00	191.50	Py00.1	190.00	191.50	Q291574	1.50	<0.005
		Pyrite 0.1%					
		traces					
191.50	193.00	Py00.1	191.50	193.00	Q291577	1.50	0.006
		Pyrite 0.1%					
		traces					
193.00	194.50	Py00.1	193.00	194.50	Q291578	1.50	<0.005
		Pyrite 0.1%					
		traces					
194.50	196.00	Py00.1	194.50	196.00	Q291579	1.50	0.009
		Pyrite 0.1%					
		traces					
196.00	197.50	Py00.1	196.00	197.50	Q291580	1.50	0.005
		Pyrite 0.1%					
		traces					
197.50	199.00	Py00.1	197.50	199.00	Q291581	1.50	0.073

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
198.00	213.00	Vn;10%;Qac Ca;In;30°;;					
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite calcite infilled fractures 30°					
		Numerous quartz-ankerite or calcite veins 0.5-1 cm					
199.00	200.50	Py00.1	199.00	200.50	Q291582	1.50	<0.005
		Pyrite 0.1%					
		traces					
200.50	202.00	Py00.1	200.50	202.00	Q291583	1.50	<0.005
		Pyrite 0.1%					
		traces					
201.00	213.00	Cl03; Ank02; Se01; Ca01					
		Chlorite 3; Ankerite 2; Sericite 1; Calcite 1					
		Strong chlorite alteration, moderate to strong pervasive ankerite, spotty weak calcite and sericite					
202.00	203.50	Py00.1	202.00	203.50	Q291584	1.50	<0.005
		Pyrite 0.1%					
		traces					
203.50	205.00	Py00.1	203.50	205.00	Q291585	1.50	0.006
		Pyrite 0.1%					
		traces					
205.00	206.50	Py00.1	205.00	206.50	Q291586	1.50	<0.005
		Pyrite 0.1%					
		traces					
206.50	208.00	Py00.1	206.50	208.00	Q291587	1.50	<0.005
		Pyrite 0.1%					
		traces					
208.00	209.50	Py00.1	208.00	209.50	Q291588	1.50	<0.005
		Pyrite 0.1%					
		traces					
209.50	211.00	Py00.1	209.50	211.00	Q291589	1.50	<0.005
		Pyrite 0.1%					
		traces					
211.00	212.00	Py00.1	211.00	212.00	Q291590	1.00	<0.005
		Pyrite 0.1%					
		traces					
212.00	213.00	Py00.5	212.00	213.00	Q291591	1.00	0.012
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
213.00	237.00	Se03; Ank02; Cl02; Ca01	213.00	214.50	Q291592	1.50	0.326
		Sericite 3; Ankerite 2; Chlorite 2; Calcite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		moderate to strong pervasive sericite, moderate to strong ankerite, spotty chlorite, weak spotty calcite.					
213.00	214.50	Py00.5					
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
213.00	213.40	Vm;95%;Qac;In;80°;;					
		major vein (10 cm or greater) 95% quartz-ankerite-chlorite infilled fractures 80°					
		Quartz-ankerite chlorite vein 40 cm					
213.40	233.40	Fln					
		Foliation 50°					
		moderate pervasive foliation 40-60 DTCA.					
213.60	216.00	Vn;5%;Qac;In;50°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite infilled fractures 50°					
		Infilled and flooding quartz ankerite veins 1-2 cm 40-60 DTCA					
214.50	216.00	Py00.2	214.50	216.00	Q291593	1.50	0.212
		Pyrite 0.2%					
		traces					
216.00	351.90	V4; Aph; Por	216.00	217.50	Q291594	1.50	<0.005
		Trachyte 30°; APHANITIC; Porphyritic					
		Medium green-beige ("leopard pattern" spotted green color), The unit is aphanitic with localized porphyritic layers. The phenocrists are rounded quartz eyes (0.5-1 cm size) 225-260.90 m; 274.5-277.60 m. the green or chloritic spots are locally elongated and // to flow direction or the foliation (parallel TCA or 30-70 DTCA). The upper unit is weakly magnetic 216-236 m. Alteration consists of moderate to strong pervasive sericite, intermittant weak to strong calcite or ankerite. spotty moderate to strong chlorite. The unit is weakly deformed. The deformation is underline by sericite alteration in filled parallel or 30-60 DTCA foliation. The entire unit is mineralized traces to 0.5% euhedral and fine grained pyrite.					
216.00	217.50	Py00.2					
		Pyrite 0.2%					
		traces					
217.50	219.00	Py00.1	217.50	219.00	Q291595	1.50	<0.005
		Pyrite 0.1%					
		traces					
219.00	220.50	Py00.1	219.00	220.50	Q291596	1.50	<0.005
		Pyrite 0.1%					
		traces					
220.50	222.00	Py00.1	220.50	222.00	Q291597	1.50	0.005
		Pyrite 0.1%					
		traces					
222.00	223.50	Py00.1	222.00	223.50	Q291598	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
223.50	225.00	Py00.1	223.50	225.00	Q291599	1.50	0.005
		Pyrite 0.1%					
		traces					
225.00	226.50	Py00.1	225.00	226.50	Q291602	1.50	<0.005
		Pyrite 0.1%					
		traces					
226.50	228.00	Py00.1	226.50	228.00	Q291603	1.50	<0.005
		Pyrite 0.1%					
		traces					
228.00	229.50	Py00.1	228.00	229.50	Q291604	1.50	<0.005
		Pyrite 0.1%					
		traces					
228.30	231.00	Vn;3%;Qac;In;50°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite infilled fractures 50°					
		infilled 1- 2 cm quartz-ankerite-chlorite veins					
229.50	231.00	Py00.1	229.50	231.00	Q291605	1.50	<0.005
		Pyrite 0.1%					
		traces					
231.00	232.50	Py00.2	231.00	232.50	Q291606	1.50	<0.005
		Pyrite 0.2%					
		traces of euhedral Pyrite					
232.50	234.00	Py00.2	232.50	234.00	Q291607	1.50	<0.005
		Pyrite 0.2%					
		traces					
234.00	235.50	Py00.1	234.00	235.50	Q291608	1.50	<0.005
		Pyrite 0.1%					
		traces					
234.40	236.50	Fln					
		Foliation 30°					
		weak pervasive					
235.50	237.00	Py00.1	235.50	237.00	Q291609	1.50	<0.005
		Pyrite 0.1%					
		traces					
236.50	243.00	Fln					
		Foliation 50°					
		moderate pervasive					
237.00	262.50	Se02; Ca02; Cl02; Ank01	237.00	238.50	Q291610	1.50	<0.005
		Sericite 2; Calcite 2; Chlorite 2; Ankerite 1					
		Moderate pervasive sericite and calcite alteration, moderate spotty chlorite, weak spotty ankerite					

Description			Assay				
			From	To	Sample number	Length	AuBest
237.00	238.50	Py00.1					
		Pyrite 0.1%					
		traces					
238.50	240.00	Py00.1	238.50	240.00	Q291611	1.50	<0.005
		Pyrite 0.1%					
		traces					
240.00	241.50	Py00.1	240.00	241.50	Q291612	1.50	<0.005
		Pyrite 0.1%					
		traces					
241.50	243.00	Py00.1	241.50	243.00	Q291613	1.50	0.005
		Pyrite 0.1%					
		traces					
243.00	244.80	Fln	243.00	244.50	Q291614	1.50	0.01
		Foliation 30°					
		Moderate foliation 5-30 DTCA					
243.00	244.50	Py00.1					
		Pyrite 0.1%					
		traces					
244.50	246.00	Py00.1	244.50	246.00	Q291615	1.50	<0.005
		Pyrite 0.1%					
		traces					
244.80	277.50	Fln					
		Foliation 60°					
		Moderate pervasive 60-80 DTCA					
246.00	247.50	Py00.1	246.00	247.50	Q291616	1.50	<0.005
		Pyrite 0.1%					
		traces					
247.50	249.00	Py00.1	247.50	249.00	Q291617	1.50	<0.005
		Pyrite 0.1%					
		traces					
249.00	250.50	Py00.1	249.00	250.50	Q291618	1.50	0.005
		Pyrite 0.1%					
		traces					
250.50	252.00	Py00.2	250.50	252.00	Q291619	1.50	<0.005
		Pyrite 0.2%					
		traces					
252.00	253.50	Py00.1	252.00	253.50	Q291620	1.50	0.006
		Pyrite 0.1%					
		traces					
253.50	255.00	Py00.1	253.50	255.00	Q291621	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
254.30	257.80	Vn;3%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°					
		1-2 cm quartz ankerite veins and veinlets					
255.00	256.50	Py00.1	255.00	256.50	Q291622	1.50	<0.005
		Pyrite 0.1%					
		traces					
256.50	258.00	Py00.1	256.50	258.00	Q291623	1.50	0.005
		Pyrite 0.1%					
		traces					
258.00	259.50	Py00.1	258.00	259.50	Q291624	1.50	0.007
		Pyrite 0.1%					
		traces					
259.50	261.00	Py00.1	259.50	261.00	Q291627	1.50	<0.005
		Pyrite 0.1%					
		traces					
261.00	262.50	Py00.1	261.00	262.50	Q291628	1.50	0.007
		Pyrite 0.1%					
		traces					
261.00	262.00	Vn;3%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°					
		1-2 cm quartz-ankerite veins					
262.50	265.50	Se02; Ank02; Cl02	262.50	264.00	Q291629	1.50	0.019
		Sericite 2; Ankerite 2; Chlorite 2					
		Moderate pervasive sericite chlorite and ankerite alteration					
262.50	264.00	Py00.1					
		Pyrite 0.1%					
		traces					
264.00	265.50	Py00.1	264.00	265.50	Q291630	1.50	<0.005
		Pyrite 0.1%					
		traces					
265.50	288.00	Se02; Cl02; Ca02; Ank01	265.50	267.00	Q291631	1.50	<0.005
		Sericite 2; Chlorite 2; Calcite 2; Ankerite 1					
		Moderate pervasive sericite, spotty chlorite, spotty calcite, weak ankerite					
265.50	267.00	Py00.1					
		Pyrite 0.1%					
		traces					
267.00	268.50	Py00.1	267.00	268.50	Q291632	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
268.50	270.00	Py00.2	268.50	270.00	Q291633	1.50	<0.005
		Pyrite 0.2%					
		traces of euhedral Pyrite					
270.00	271.50	Py00.1	270.00	271.50	Q291634	1.50	<0.005
		Pyrite 0.1%					
		traces					
271.50	273.00	Py00.1	271.50	273.00	Q291635	1.50	<0.005
		Pyrite 0.1%					
		traces					
273.00	274.50	Py00.1	273.00	274.50	Q291636	1.50	<0.005
		Pyrite 0.1%					
		traces					
274.50	276.00	Py00.1	274.50	276.00	Q291637	1.50	<0.005
		Pyrite 0.1%					
		traces					
276.00	277.50	Py00.1	276.00	277.50	Q291638	1.50	<0.005
		Pyrite 0.1%					
		traces					
277.50	351.90	Fln	277.50	279.00	Q291639	1.50	<0.005
		Foliation 20°					
		Moderate to strong foliation 5-30 DTCA					
277.50	279.00	Py00.1					
		Pyrite 0.1%					
		traces					
279.00	280.50	Py00.1	279.00	280.50	Q291640	1.50	<0.005
		Pyrite 0.1%					
		traces					
280.50	282.00	Py00.1	280.50	282.00	Q291641	1.50	0.005
		Pyrite 0.1%					
		traces					
282.00	283.50	Py00.1	282.00	283.50	Q291642	1.50	<0.005
		Pyrite 0.1%					
		traces					
283.50	285.00	Py00.1; Py00.5	283.50	285.00	Q291643	1.50	<0.005
		Pyrite 0.1%; Pyrite 0.5%					
		euhedral pyrite in veins					
285.00	286.50	Py00.2	285.00	286.50	Q291644	1.50	0.005
		Pyrite 0.2%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
286.50	288.00	Py00.2	286.50	288.00	Q291645	1.50	<0.005
		Pyrite 0.2%					
		traces					
288.00	313.00	Ank03; Se02; Cl02; Ca02	288.00	289.50	Q291646	1.50	<0.005
		Ankerite 3; Sericite 2; Chlorite 2; Calcite 2					
		strong pervasive ankerite, moderate sericite chlorite, spotty calcite					
288.00	289.50	Py00.5					
		Pyrite 0.5%					
		fine grained and euhedral pyrite					
288.30	289.00	Vm;80%;Qak;In;30°;;					
		major vein (10 cm or greater) 80% quartz-ankerite infilled fractures 30°					
		40 cm quartz-ankerite					
289.40	290.00	Vn;5%;Sgq Ak;In;5°;;					
		vein (5 mm - 10 cm) 5% smoky grey quartz ankerite infilled fractures 5°					
		smoky grey quartz ankerite vein 3 cm parallel CA					
289.50	291.00	Py00.1	289.50	291.00	Q291647	1.50	<0.005
		Pyrite 0.1%					
		traces					
291.00	292.50	Py00.1	291.00	292.50	Q291648	1.50	0.005
		Pyrite 0.1%					
		traces					
292.50	294.00	Py00.1	292.50	294.00	Q291649	1.50	<0.005
		Pyrite 0.1%					
		traces					
294.00	295.50	Py00.1					
		Pyrite 0.1%					
		traces					
294.00	297.00	Vn;3%;Ak;In;4°;;	294.00	295.50	Q291652	1.50	<0.005
		vein (5 mm - 10 cm) 3% ankerite infilled fractures 4°					
		smoky grey quartz ankerite // CA					
295.50	297.00	Py00.1	295.50	297.00	Q291653	1.50	<0.005
		Pyrite 0.1%					
		traces					
297.00	298.50	Py00.1	297.00	298.50	Q291654	1.50	<0.005
		Pyrite 0.1%					
		traces					
298.50	300.00	Py00.5	298.50	300.00	Q291655	1.50	0.006
		Pyrite 0.5%					
		traces					
300.00	301.50	Py00.1	300.00	301.50	Q291656	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
301.50	303.00	Py00.5	301.50	303.00	Q291657	1.50	0.005
		Pyrite 0.5%					
		euhedral and fine graind pyrite in veins					
303.00	304.50	Py00.2	303.00	304.50	Q291658	1.50	<0.005
		Pyrite 0.2%					
		traces					
304.50	306.00	Py00.1	304.50	306.00	Q291659	1.50	<0.005
		Pyrite 0.1%					
		traces					
306.00	307.50	Py00.1	306.00	307.50	Q291660	1.50	<0.005
		Pyrite 0.1%					
		traces					
307.50	309.00	Py00.1	307.50	309.00	Q291661	1.50	<0.005
		Pyrite 0.1%					
		traces					
309.00	310.50	Py00.1	309.00	310.50	Q291662	1.50	<0.005
		Pyrite 0.1%					
		traces					
310.50	312.00	Py00.2	310.50	312.00	Q291663	1.50	<0.005
		Pyrite 0.2%					
		traces					
312.00	313.50	Py00.5	312.00	313.50	Q291664	1.50	<0.005
		Pyrite 0.5%					
		traces					
313.00	322.00	Se02; Ank02; Cl02; Ca01					
		Sericite 2; Ankerite 2; Chlorite 2; Calcite 1					
		Moderate sericite-chlorite-ankerite alteration, weak to moderate pervasive Calcite					
313.50	315.00	Py00.5	313.50	315.00	Q291665	1.50	<0.005
		Pyrite 0.5%					
		traces					
315.00	316.50	Py00.2	315.00	316.50	Q291666	1.50	<0.005
		Pyrite 0.2%					
		traces					
316.50	318.00	Py00.1	316.50	318.00	Q291667	1.50	<0.005
		Pyrite 0.1%					
		traces					
318.00	319.50	Py00.1	318.00	319.50	Q291668	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
319.50	321.00	Py00.2	319.50	321.00	Q291669	1.50	<0.005
		Pyrite 0.2%					
		traces					
321.00	322.50	Py00.2	321.00	322.50	Q291670	1.50	<0.005
		Pyrite 0.2%					
		traces					
322.00	326.90	Se02; Ank02; Cl02					
		Sericite 2; Ankerite 2; Chlorite 2					
		Moderate sericite ankerite and chlorite.					
322.50	324.00	Py00.2	322.50	324.00	Q291671	1.50	<0.005
		Pyrite 0.2%					
		traces					
323.60	327.20	Vn;10%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 70°					
		2-6 cm lightly red quartz ankerite veins 50-70 DTCA, somes floodind veins 0.5-1 cm					
324.00	325.50	Py00.2	324.00	325.50	Q291672	1.50	0.007
		Pyrite 0.2%					
		traces					
325.50	327.00	Py00.2	325.50	327.00	Q291673	1.50	<0.005
		Pyrite 0.2%					
		traces					
326.90	328.10	Se03; Ank03; Cl01					
		Sericite 3; Ankerite 3; Chlorite 1					
		Strong pervasive sericite ankerite alteration, weak chlorite					
327.00	328.50	Py00.5	327.00	328.50	Q291674	1.50	<0.005
		Pyrite 0.5%					
		fine grained pyrite, clusters					
328.10	349.00	Se02; Ank02; Cl02					
		Sericite 2; Ankerite 2; Chlorite 2					
		Moderate sericite-ankerite. spotted chlorite					
328.50	330.00	Py00.5	328.50	330.00	Q291677	1.50	0.007
		Pyrite 0.5%					
		fine grained or euhedral pyrite					
329.00	331.10	S3a					
		Wacke Altered 30°					
		Fine grained grauwacke, yellowy green, strongly altered to sericite, moderate ankerite chlorite alteration,					
		non magntic, traces to 0.5% fine grained or euhedral pyrite					
330.00	331.50	Py00.1	330.00	331.50	Q291678	1.50	0.018
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
331.30	331.80	Vn;5%;Qak;Fl;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite flooding					
		flooding quartz ankerite vein					
331.50	333.00	Py00.1	331.50	333.00	Q291679	1.50	<0.005
		Pyrite 0.1%					
		traces					
333.00	334.50	Py00.5	333.00	334.50	Q291680	1.50	<0.005
		Pyrite 0.5%					
		euhedral and fine grainesd pyrite in veins					
334.50	336.00	Py00.2	334.50	336.00	Q291681	1.50	<0.005
		Pyrite 0.2%					
		traces					
336.00	337.50	Py00.2	336.00	337.50	Q291682	1.50	<0.005
		Pyrite 0.2%					
		traces					
337.50	339.00	Py00.1	337.50	339.00	Q291683	1.50	0.006
		Pyrite 0.1%					
		traces					
339.00	340.50	Py00.1	339.00	340.50	Q291684	1.50	<0.005
		Pyrite 0.1%					
		traces					
340.50	342.00	Py00.1	340.50	342.00	Q291685	1.50	<0.005
		Pyrite 0.1%					
		traces					
342.00	343.50	Py00.1	342.00	343.50	Q291686	1.50	0.006
		Pyrite 0.1%					
		traces					
343.50	345.00	Py00.1	343.50	345.00	Q291687	1.50	0.005
		Pyrite 0.1%					
		traces					
344.10	344.40	Vn;5%;Qak;Fl;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite flooding					
		Flooding lightly red quartz ankerite veins					
345.00	346.50	Py00.1	345.00	346.50	Q291688	1.50	<0.005
		Pyrite 0.1%					
		traces					
346.50	348.00	Py00.2	346.50	348.00	Q291689	1.50	<0.005
		Pyrite 0.2%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
348.00	349.50	Py00.5	348.00	349.50	Q291690	1.50	<0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
348.60	349.00	Vn;5%;Qak;In;10°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 10°					
		infilled quartz-ankerite veins 1- 3 cm					
349.00	355.50	Cl03; Ank02; Se01					
		Chlorite 3; Ankerite 2; Sericite 1					
		Strong pervasive chlorite, moderate pervasive ankerite, spotty weak sericite					
349.50	351.00	Py00.2	349.50	351.00	Q291691	1.50	0.065
		Pyrite 0.2%					
		traces					
350.10	351.00	Vm;15%;Qak;In;40°;;					
		major vein (10 cm or greater) 15% quartz-ankerite infilled fractures 40°					
		infilled reddish quartz ankerite veins 1-30 cm, 20-30 DTCA					
351.00	352.50	Py00.2	351.00	352.50	Q291692	1.50	<0.005
		Pyrite 0.2%					
		traces					
351.90	361.80	V4; Mass; Aph					
		Trachyte 30°; Massive; APHANITIC					
		Medium green fine grained trachyte flow. Localized flow bedding parallel CA. random flooding and infilled reddish quartz-ankerite veins, moderate foliation 10-30 DGTC, alteration consist of strong pervasive ankerite, moderate pervasive chlorite, weak to moderate sericite, spotty weak pervasive potassic, It's mineralized traces of pyrite.					
351.90	357.00	Fln					
		Foliation 10°					
		weak					
352.50	354.00	Py00.2	352.50	354.00	Q291693	1.50	<0.005
		Pyrite 0.2%					
		traces					
354.00	355.50	Py00.2	354.00	355.50	Q291694	1.50	0.011
		Pyrite 0.2%					
		traces					
355.50	453.00	Ank03; Cl02; Se02	355.50	357.00	Q291695	1.50	0.017
		Ankerite 3; Chlorite 2; Sericite 2					
		Intense pervasive ankerite, moderate chlorite, weak to moderate sericite					
355.50	357.00	Py00.2					
		Pyrite 0.2%					
		traces					
357.00	376.40	Fln	357.00	358.50	Q291696	1.50	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
		Foliation 30°					
		moderate pervasive					
357.00	358.50	Py00.2					
		Pyrite 0.2%					
		traces					
357.30	390.90	Vn;5%;Qak;Fl;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite flooding					
		reddish quartz ankerite flooding veins					
358.50	360.00	Py00.2	358.50	360.00	Q291697	1.50	0.008
		Pyrite 0.2%					
		traces					
360.00	361.50	Py00.2	360.00	361.50	Q291698	1.50	0.006
		Pyrite 0.2%					
		traces					
361.50	363.00	Py00.2	361.50	363.00	Q291699	1.50	<0.005
		Pyrite 0.2%					
		traces					
361.80	507.00	V4; Aph; Por					
		Trachyte; APHANITIC; Porphyritic					
		Medium green-beige ("leopard pattern" spotted green color). The unit is aphanitic with porphyritic layers. The phenocrists are green or rounded white (0.2-0.5), the green or chloritic spots are locally elongated and // to flow direction or the foliation (parallel TCA or 30-60 DTC).The unit is spotty magnetic. Alteration consists of strong pervasive ankerite, moderate pervasive sericite, spotty moderate to strong chlorite. Numerous quartz-ankerite veins and veinlets cut the unit.The unit is weakly deformation and the deformation is locally underline with sericite alteration in filled parallel or 30-60 DTCA foliation.The entire unit is mineralized traces to 0.7% euhedral and fine grained pyrite or associated to chlorite veinlet.The lower 480-507 m unit mixt of trachyte and lapilli tuff.					
363.00	364.50	Py00.2	363.00	364.50	Q291702	1.50	<0.005
		Pyrite 0.2%					
		traces					
364.50	366.00	Py00.5	364.50	366.00	Q291703	1.50	<0.005
		Pyrite 0.5%					
		euhedral pyrite disseminated					
366.00	367.50	Py00.5	366.00	367.50	Q291704	1.50	<0.005
		Pyrite 0.5%					
		euhedral and fine grained in chlorite veinlet					
367.50	369.00	Py00.5	367.50	369.00	Q291705	1.50	0.005
		Pyrite 0.5%					
		fine and euhedral pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
369.00	370.50	Py00.2 **Pyrite 0.2%** traces of pyrite	369.00	370.50	Q291706	1.50	<0.005
370.50	372.00	Py00.2 **Pyrite 0.2%** traces	370.50	372.00	Q291707	1.50	0.034
372.00	373.50	Py00.2 **Pyrite 0.2%** traces	372.00	373.50	Q291708	1.50	0.01
373.50	375.00	Py00.1 **Pyrite 0.1%** traces	373.50	375.00	Q291709	1.50	0.01
375.00	376.50	Py00.1 **Pyrite 0.1%** traces	375.00	376.50	Q291710	1.50	0.009
376.40	385.50	Fln **Foliation 5°** weak to moderate pervasive					
376.50	378.00	Py00.1 **Pyrite 0.1%** traces	376.50	378.00	Q291711	1.50	<0.005
378.00	379.50	Py00.1 **Pyrite 0.1%** traces	378.00	379.50	Q291712	1.50	0.01
379.50	381.00	Py00.1 **Pyrite 0.1%** traces	379.50	381.00	Q291713	1.50	0.006
381.00	382.50	Py00.1 **Pyrite 0.1%** traces	381.00	382.50	Q291714	1.50	0.007
382.50	384.00	Py00.1 **Pyrite 0.1%** traces	382.50	384.00	Q291715	1.50	<0.005
384.00	385.50	Py00.1 **Pyrite 0.1%** traces.	384.00	385.50	Q291716	1.50	<0.005
385.50	386.50	Fln **Foliation 70°** Moderate					
385.50	387.00	Py00.1	385.50	387.00	Q291717	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
386.50	416.10	Fln					
		Foliation 5°					
		moderate pervasive Parallel TCA					
387.00	388.50	Py00.1	387.00	388.50	Q291718	1.50	<0.005
		Pyrite 0.1%					
		traces					
388.50	390.00	Py00.1	388.50	390.00	Q291719	1.50	<0.005
		Pyrite 0.1%					
		traces					
390.00	391.50	Py00.5	390.00	391.50	Q291720	1.50	<0.005
		Pyrite 0.5%					
		traces					
391.50	393.00	Py00.1	391.50	393.00	Q291721	1.50	<0.005
		Pyrite 0.1%					
		traces					
393.00	394.50	Py00.1	393.00	394.50	Q291722	1.50	<0.005
		Pyrite 0.1%					
		traces					
394.50	396.00	Py00.1	394.50	396.00	Q291723	1.50	<0.005
		Pyrite 0.1%					
		traces					
396.00	397.50	Py00.1	396.00	397.50	Q291724	1.50	0.005
		Pyrite 0.1%					
		traces					
397.50	399.00	Py00.1	397.50	399.00	Q291727	1.50	<0.005
		Pyrite 0.1%					
		traces					
399.00	400.50	Py00.1	399.00	400.50	Q291728	1.50	<0.005
		Pyrite 0.1%					
		traces					
400.50	402.00	Py00.1	400.50	402.00	Q291729	1.50	<0.005
		Pyrite 0.1%					
		traces					
402.00	403.50	Py00.1	402.00	403.50	Q291730	1.50	<0.005
		Pyrite 0.1%					
		traces					
403.50	405.00	Py00.1	403.50	405.00	Q291731	1.50	0.008
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
404.00	404.40	Vn;;Qak;In;;;					
		vein (5 mm - 10 cm) quartz-ankerite infilled fractures					
		Pinkish floodindg quartz ankerite veins					
405.00	406.50	Py00.1	405.00	406.50	Q291732	1.50	0.005
		Pyrite 0.1%					
		traces					
406.50	408.00	Py00.1	406.50	408.00	Q291733	1.50	0.008
		Pyrite 0.1%					
		traces					
408.00	409.50	Py00.2	408.00	409.50	Q291734	1.50	0.008
		Pyrite 0.2%					
		traces					
409.50	411.00	Py00.2	409.50	411.00	Q291735	1.50	0.006
		Pyrite 0.2%					
		traces					
410.00	410.50	Vn;40%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 40% quartz-ankerite infilled fractures 60°					
		pinkish infilled quartz-ankerite veins 2-10 cm 40-70 DTCA					
411.00	412.50	Py00.1	411.00	412.50	Q291736	1.50	0.005
		Pyrite 0.1%					
		traces					
412.50	414.00	Py00.1	412.50	414.00	Q291737	1.50	0.006
		Pyrite 0.1%					
		traces					
414.00	415.50	Py00.1	414.00	415.50	Q291738	1.50	<0.005
		Pyrite 0.1%					
		traces					
415.50	417.00	Py00.1	415.50	417.00	Q291739	1.50	<0.005
		Pyrite 0.1%					
		traces					
416.10	416.15	Gg					
		Fault gouge 40°					
		greenish fault gouge.					
416.15	507.00	Fln					
		Foliation 5°					
		weak pervasive foliation					
417.00	418.50	Py00.1	417.00	418.50	Q291740	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
418.50	420.00	Py00.1 **Pyrite 0.1%** traces	418.50	420.00	Q291741	1.50	<0.005
420.00	421.50	Py00.1 **Pyrite 0.1%** traces	420.00	421.50	Q291742	1.50	<0.005
421.50	423.00	Py00.2 **Pyrite 0.2%** traces	421.50	423.00	Q291743	1.50	<0.005
423.00	424.50	Py00.2 **Pyrite 0.2%** traces	423.00	424.50	Q291744	1.50	<0.005
424.50	426.00	Py00.1 **Pyrite 0.1%** traces	424.50	426.00	Q291745	1.50	<0.005
426.00	427.50	Py00.1 **Pyrite 0.1%** traces	426.00	427.50	Q291746	1.50	<0.005
427.50	429.00	Py00.1 **Pyrite 0.1%** traces	427.50	429.00	Q291747	1.50	<0.005
429.00	430.50	Py00.1 **Pyrite 0.1%** traces	429.00	430.50	Q291748	1.50	0.006
430.50	432.00	Py00.1 **Pyrite 0.1%** traces	430.50	432.00	Q291749	1.50	<0.005
432.00	433.50	Py00.1 **Pyrite 0.1%** traces	432.00	433.50	Q291752	1.50	0.012
433.50	435.00	Py00.1 **Pyrite 0.1%** traces	433.50	435.00	Q291753	1.50	0.009
435.00	436.50	Py00.1 **Pyrite 0.1%** traces	435.00	436.50	Q291754	1.50	<0.005
436.50	438.00	Py00.2 **Pyrite 0.2%** traces	436.50	438.00	Q291755	1.50	0.069
438.00	439.50	Py00.2	438.00	439.50	Q291756	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces					
439.50	441.00	Py00.2	439.50	441.00	Q291757	1.50	<0.005
		Pyrite 0.2%					
		traces					
441.00	442.50	Py00.2	441.00	442.50	Q291758	1.50	<0.005
		Pyrite 0.2%					
		traces					
442.50	444.00	Py00.1	442.50	444.00	Q291759	1.50	<0.005
		Pyrite 0.1%					
		traces					
444.00	445.50	Py00.1	444.00	445.50	Q291760	1.50	0.01
		Pyrite 0.1%					
		traces					
445.50	447.00	Py00.1	445.50	447.00	Q291761	1.50	0.015
		Pyrite 0.1%					
		traces					
447.00	448.50	Py00.1	447.00	448.50	Q291762	1.50	0.01
		Pyrite 0.1%					
		traces					
448.50	450.00	Py00.1	448.50	450.00	Q291763	1.50	0.01
		Pyrite 0.1%					
		traces					
450.00	451.50	Py00.2	450.00	451.50	Q291764	1.50	0.008
		Pyrite 0.2%					
		traces					
451.50	453.00	Py00.2	451.50	453.00	Q291765	1.50	0.005
		Pyrite 0.2%					
		traces					
453.00	459.00	Cl03; Ank02; Se01	453.00	454.50	Q291766	1.50	0.018
		Chlorite 3; Ankerite 2; Sericite 1					
		strong pervasive chlorite, moderate pervasive ankerite, weak spotty sericite.					
453.00	454.50	Py00.5; Mg00.5					
		Pyrite 0.5%; Magnetite 0.5%					
		Euhedral and fine grained pyriteand magnetite disseminated.					
454.50	456.00	Py00.5	454.50	456.00	Q291767	1.50	0.123
		Pyrite 0.5%					
		Euhedral and fine grained disseminated					
456.00	457.50	Py00.7	456.00	457.50	Q291768	1.50	0.273
		Pyrite 0.7%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		euhedral and fine grained pyrite disseminated					
456.60	457.45	Vn;20%;Qak;In;40°;Py00.2;					
		vein (5 mm - 10 cm) 20% quartz-ankerite infilled fractures 40° Pyrite 0.2%					
		infilled quartz-ankerite veins 2-9-10 cm 40 DTCA with traces of pyrite					
457.50	459.00	Py00.5	457.50	459.00	Q291769	1.50	0.3
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
459.00	464.00	Ank03; Se02; Cl02	459.00	460.50	Q291770	1.50	0.136
		Ankerite 3; Sericite 2; Chlorite 2					
		strong pervasive ankerite, moderate pervasive sericite and chlorite					
459.00	460.50	Py00.5					
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
460.50	462.00	Py00.2	460.50	462.00	Q291771	1.50	0.07
		Pyrite 0.2%					
		traces					
462.00	463.50	Py00.2	462.00	463.50	Q291772	1.50	0.011
		Pyrite 0.2%					
		traces					
463.50	465.00	Py00.1	463.50	465.00	Q291773	1.50	0.018
		Pyrite 0.1%					
		traces					
464.00	507.00	Ank03; Cl03; Se01					
		Ankerite 3; Chlorite 3; Sericite 1					
		strong pervasive ankerite chlorite, weak spotty sericite.					
465.00	466.50	Py00.2	465.00	466.50	Q291774	1.50	0.044
		Pyrite 0.2%					
		traces					
466.50	468.00	Py00.2	466.50	468.00	Q291777	1.50	0.009
		Pyrite 0.2%					
		traces					
468.00	469.50	Py00.2	468.00	469.50	Q291778	1.50	0.014
		Pyrite 0.2%					
		traces					
469.50	471.00	Py00.5	469.50	471.00	Q291779	1.50	0.007
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
471.00	472.50	Py00.2; Py00.5	471.00	472.50	Q291780	1.50	0.006
		Pyrite 0.2%; Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
472.50	474.00	Py00.2	472.50	474.00	Q291781	1.50	<0.005
		Pyrite 0.2%					
		traces					
474.00	475.50	Py00.1	474.00	475.50	Q291782	1.50	<0.005
		Pyrite 0.1%					
		traces					
475.50	477.00	Py00.1	475.50	477.00	Q291783	1.50	0.006
		Pyrite 0.1%					
		traces					
477.00	478.50	Py00.2	477.00	478.50	Q291784	1.50	0.005
		Pyrite 0.2%					
		traces					
478.50	480.00	Py00.2	478.50	480.00	Q291785	1.50	0.007
		Pyrite 0.2%					
		traces					
480.00	481.50	Py00.2	480.00	481.50	Q291786	1.50	0.008
		Pyrite 0.2%					
		traces					
480.70	481.10	Vn;3%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°					
		1-2 cm infilled quartz-ankerite					
481.50	483.00	Py00.2	481.50	483.00	Q291787	1.50	0.01
		Pyrite 0.2%					
		Traces					
483.00	484.50	Py00.2	483.00	484.50	Q291788	1.50	0.011
		Pyrite 0.2%					
		traces					
484.50	486.00	Py00.2	484.50	486.00	Q291789	1.50	0.005
		Pyrite 0.2%					
		traces					
486.00	487.50	Py00.5	486.00	487.50	Q291790	1.50	0.028
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
487.50	489.00	Py00.2	487.50	489.00	Q291791	1.50	0.071
		Pyrite 0.2%					
		traces of euhedral and fine grained pyrite in veins					
488.10	490.70	Vn;80%;Qak;In;50°;Py00.2;					
		vein (5 mm - 10 cm) 80% quartz-ankerite infilled fractures 50° Pyrite 0.2%					
		infilled and floding quartz-ankerite veins 1-10 cm with fragments of greenish trachyte with traces of pyrite					
489.00	490.50	Py00.2	489.00	490.50	Q291792	1.50	0.032

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces					
490.50	492.00	Py00.5	490.50	492.00	Q291793	1.50	0.017
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
492.00	493.50	Py00.5	492.00	493.50	Q291794	1.50	0.012
		Pyrite 0.5%					
		stringers, euhedral and fine grained pyrite disseminated					
493.50	495.00	Py00.5	493.50	495.00	Q291795	1.50	0.011
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
495.00	496.50	Py00.5	495.00	496.50	Q291796	1.50	0.007
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
495.10	495.15	Vn;90%;Sgq Ak;In;80°;;					
		vein (5 mm - 10 cm) 90% smoky grey quartz ankerite infilled fractures 80°					
		smoky grey quartz ankerite					
496.50	498.00	Py00.2	496.50	498.00	Q291797	1.50	0.009
		Pyrite 0.2%					
		traces					
496.50	496.80	Vm;80%;Sgq Ak;In;40°;;					
		major vein (10 cm or greater) 80% smoky grey quartz ankerite infilled fractures 40°					
		smokey grey quartz ankerite veins					
497.80	500.20	Vm;60%;Sgq;In;40°;;					
		major vein (10 cm or greater) 60% smoky grey quartz infilled fractures 40°					
		30-40-50 cm smoky grey quartz-ankerite-veins.					
498.00	499.50	Py00.2	498.00	499.50	Q291798	1.50	0.007
		Pyrite 0.2%					
		traces					
499.50	501.00	Py00.2	499.50	501.00	Q291799	1.50	0.008
		Pyrite 0.2%					
		traces					
501.00	502.50	Py00.2	501.00	502.50	Q291802	1.50	0.006
		Pyrite 0.2%					
		traces					
502.50	504.00	Py00.2	502.50	504.00	Q291803	1.50	0.008
		Pyrite 0.2%					
		traces					
504.00	505.50	Py00.1	504.00	505.50	Q291804	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
505.50	507.00	Py00.1	505.50	507.00	Q291805	1.50	<0.005
		Pyrite 0.1%					
		traces					
507.00		**End of DDH**					
		Number of samples: 308					
		Number of QAQC samples: 28					
		Total sampled length: 459.00					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_68

Drilled by:	Major	Claims title:	L9986	Section:	
Described by:	Reza Hosseinnejad	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	24/03/2014	Description date:	07/04/2014
		To:	28/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 453.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,402.656
North	0.0	0.000	5,331,852.970
Elevation	0.0	0.000	337.493

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	75.00	357.8°	-50.2°	No	Mag = 54886
ReflexEZS	153.00	359.4°	-49.2°	No	Mag = 55830
ReflexEZS	195.00	359.9°	-49.4°	No	Mag = 55496
ReflexEZS	258.00	0.7°	-48.7°	No	Mag = 55354
ReflexEZS	351.00	2.9°	-46.0°	No	Mag = 55456
ReflexEZS	411.00	357.4°	-40.0°	No	Mag = 55686

Description

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	60.70	OVB; Undie **Overburden; UNDEFINED** undefined					
60.70	330.00	V4T; Tuff **Trachytic tuff; TUFF** Green grey color, fine grained and foliated at 35-40 dtca. The rock strongly is calcareous and moderate to strongly magnetic. This unit pervaded by 30% calcareous pinkish veinlets parallel to foliation. The rock shows weakly pervasive green sericite and chlorite alteration. 1% calcite-quartz vein at variable orientation cut the rock Mineralization is trace and the rock strongly is magnetic. After 86.5 m the rock shows isolate weak ankerite alteration. Somewhere ankerite veins and veinlets show moderate to strongly isolated deformation. A ankerite veins show strogly deformation at the interval(118-118.10) Down hole after 86 the rock shows intense pervasive yellow green sericite and dark green chlorite with whitish to pinkish weak isolated ankerite alteration. From 288.5 to 331.5 the abundance of grey quartz, whitish ankerite and pinkish feldspar wide 3-30cm increased up 12%. They crosscut the foliation at almost 45 dtca. These veins dose not associated with any mineralization.	60.70	61.50	Q206523	0.80	0.019
			61.50	63.00	Q206524	1.50	0.011
			63.00	64.50	Q206527	1.50	0.022
			64.50	66.00	Q206528	1.50	0.006
			66.00	67.50	Q206529	1.50	0.011
			67.50	69.00	Q206530	1.50	<0.005
			69.00	70.50	Q206531	1.50	0.005
			70.50	72.00	Q206532	1.50	0.014
			72.00	73.50	Q206533	1.50	0.005
			73.50	75.00	Q206534	1.50	<0.005
			75.00	76.50	Q206535	1.50	<0.005
			76.50	78.00	Q206536	1.50	<0.005
60.70	86.65	K01 **Potassic 1** The rock shows weakly pervasive potassic and chorite alteration. The rock shows weakly pervasive potassic and chlorite alteration. After 86.5 m the rock shows isolate weak ankerite alteration. Somewhere ankerite veins and veinlets show moderate to strongly deformation.					
60.70	78.00	Py00.1 **Pyrite 0.1%** Trace					
60.70	86.65	Vt;0%;Ck;;;; **veinlet (1-5 mm) 0% calcite-ankerite** A series of calcite and ankerite veinlets cross the rock at the variable orientation.					
78.00	81.00	Py00.5 **Pyrite 0.5%** Sulphide mineralization in this rock is variable but only in this interval the pyrite mineralization increased up 0.5 % fine grained disseminated.	78.00	79.50	Q206537	1.50	0.008
			79.50	81.00	Q206538	1.50	0.022
81.00	380.00	Py00.1 **Pyrite 0.1%** Trace	81.00	82.50	Q206539	1.50	0.005
			82.50	84.00	Q206540	1.50	<0.005
			84.00	85.50	Q206541	1.50	<0.005
			85.50	87.00	Q206542	1.50	0.008
86.65	289.00	Se02; Cl02; Ank02	87.00	88.50	Q206543	1.50	<0.005

		Description	Assay				
			From	To	Sample number	Length	AuBest
		Sericite 2; Chlorite 2; Ankerite 2	88.50	90.00	Q206544	1.50	<0.005
		Yellow green and dark green sericite and chlorite with whitish weak isolated ankerite alteration.	90.00	91.50	Q206545	1.50	<0.005
			91.50	93.00	Q206546	1.50	<0.005
			93.00	94.50	Q206547	1.50	0.028
			94.50	96.00	Q206548	1.50	0.007
			96.00	97.50	Q206549	1.50	0.006
			97.50	99.00	Q206552	1.50	<0.005
			99.00	100.50	Q206553	1.50	<0.005
			100.50	102.00	Q206554	1.50	<0.005
			102.00	103.50	Q206555	1.50	<0.005
			103.50	105.00	Q206556	1.50	<0.005
			105.00	106.50	Q206557	1.50	<0.005
			106.50	108.00	Q206558	1.50	<0.005
			108.00	109.50	Q206559	1.50	<0.005
			109.50	111.00	Q206560	1.50	0.005
			111.00	112.50	Q206561	1.50	0.006
			112.50	114.00	Q206562	1.50	<0.005
			114.00	115.50	Q206563	1.50	<0.005
			115.50	117.00	Q206564	1.50	0.005
			117.00	118.50	Q206565	1.50	0.005
86.65	96.65	Vn;15%;;Vc;;;					
		vein (5 mm - 10 cm) 15% vein cross-cutting foliation					
		A series grey quartz, white ankerite and pinkish feldspar veins wide2-15cm crosscutting the rock @ average 45 dtca. The margin of veins strongly shows sericite alteration. No pyrite mineralization present.					
118.00	118.10	DZ					
		Deformation Zone					
		In this interval ankerite veins and veinlets show moderate to strongly isolated deformation. A ankerite veins show strogly deformation at the interval(118-118.10)					
118.00	118.10	Vn;85%;Ak;Fl;;;	118.50	120.00	Q206566	1.50	<0.005
		vein (5 mm - 10 cm) 85% ankerite flooding	120.00	121.50	Q206567	1.50	0.005
		A ankerite veins shows strongly deformation at the interval(118-118.10)	121.50	123.00	Q206568	1.50	<0.005
			123.00	124.50	Q206569	1.50	0.007
			124.50	126.00	Q206570	1.50	0.01
			126.00	127.50	Q206571	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			127.50	129.00	Q206572	1.50	0.007
			129.00	130.50	Q206573	1.50	0.006
			130.50	132.00	Q206574	1.50	0.008
			132.00	133.50	Q206577	1.50	0.018
			133.50	135.00	Q206578	1.50	<0.005
			135.00	136.50	Q206579	1.50	0.005
			136.50	138.00	Q206580	1.50	<0.005
			138.00	139.50	Q206581	1.50	0.008
			139.50	141.00	Q206582	1.50	<0.005
			141.00	142.50	Q206583	1.50	<0.005
			142.50	144.00	Q206584	1.50	<0.005
			144.00	145.50	Q206585	1.50	<0.005
144.85	145.10	DZ; Fln					
		Deformation Zone 45°; Foliation					
		A ankerite veinlets show moderate to strongly isolated deformation.					
145.10	207.00	DZ; Fln; BRK	145.50	147.00	Q206586	1.50	<0.005
		Deformation Zone 40°; Foliation; Break	147.00	148.50	Q206587	1.50	0.017
		In this interval the veins, veinlets and wispy ankerite show moderate to strongly isolated harmonistic					
		deformation and block breaken core. The rock strongly has broken.					
		Deformation intervals are.					
		160-161-50					
		162.5-162.75					
		166.5-166.20					
		179-180					
		182-182.30					
		185-186					
		190.5191.10					
		197.5-201					
147.10	147.25	Vn;95%;Qak;Vc;45°;;	148.50	150.00	Q206588	1.50	0.006
		vein (5 mm - 10 cm) 95% quartz-ankerite vein cross-cutting foliation 45°	150.00	151.50	Q206589	1.50	<0.005
		A massive quartz-ankerite-feldspar crosscutting the rock at 45 dtca. There is no mineralization	151.50	153.00	Q206590	1.50	0.015
		associated with this vein.	153.00	154.50	Q206591	1.50	<0.005
			154.50	156.00	Q206592	1.50	0.013
154.60	154.75	Vn;85%;Qak;Vc;45°;;	156.00	157.50	Q206593	1.50	0.01
		vein (5 mm - 10 cm) 85% quartz-ankerite vein cross-cutting foliation 45°	157.50	159.00	Q206594	1.50	0.006
		A massive quartz-ankerite-feldspar crosscutting the rock at 45 dtca. There is no mineralization					

Description			Assay				
			From	To	Sample number	Length	AuBest
		associated with this vein.					
158.40	158.90	Vn;70%;Qak;Vc;50°;;	159.00	160.50	Q206595	1.50	0.005
		vein (5 mm - 10 cm) 70% quartz-ankerite vein cross-cutting foliation 50°	160.50	162.00	Q206596	1.50	<0.005
		A series of massive grey quartz white ankerite and pinkish feldspar crosscutting the rock at 50 dtca.					
		There is no mineralization associated with this vein.					
161.00	161.75	Vn;70%;Qak;Ra;45°;Py00;	162.00	163.50	Q206597	1.50	<0.005
		vein (5 mm - 10 cm) 70% random 45°	163.50	165.00	Q206598	1.50	0.009
		A series grey quartz, white ankerite and pinkish feldspar veins wide2-15cm crosscutting the rock @	165.00	166.50	Q206599	1.50	<0.005
		average 45 dtca. The margin of veins strongly shows sericite alteration. No pyrite mineralization present.	166.50	168.00	Q206602	1.50	<0.005
			168.00	169.50	Q206603	1.50	<0.005
			169.50	171.00	Q206604	1.50	0.01
			171.00	172.50	Q206605	1.50	0.007
			172.50	174.00	Q206606	1.50	<0.005
			174.00	175.50	Q206607	1.50	0.006
			175.50	177.00	Q206608	1.50	0.005
			177.00	178.50	Q206609	1.50	<0.005
			178.50	180.00	Q206610	1.50	<0.005
			180.00	181.50	Q206611	1.50	<0.005
			181.50	183.00	Q206612	1.50	0.006
			183.00	184.50	Q206613	1.50	0.013
			184.50	186.00	Q206614	1.50	0.013
			186.00	187.50	Q206615	1.50	0.014
			187.50	189.00	Q206616	1.50	<0.005
188.00	188.55	Vn;75%;Qak;Vc;65°;;	189.00	190.50	Q206617	1.50	<0.005
		vein (5 mm - 10 cm) 75% quartz-ankerite vein cross-cutting foliation 65°	190.50	192.00	Q206618	1.50	0.013
		QUARTZ _ANKERITE_FELDSPAR VEIN CROSSCUTTING THE ROCK	192.00	193.50	Q206619	1.50	0.025
			193.50	195.00	Q206620	1.50	<0.005
			195.00	196.50	Q206621	1.50	<0.005
			196.50	198.00	Q206622	1.50	<0.005
			198.00	199.50	Q206623	1.50	<0.005
			199.50	201.00	Q206624	1.50	<0.005
			201.00	202.50	Q206627	1.50	0.005
202.35	202.50	Vn;95%;Qak;Vc;60°;Py00;	202.50	204.00	Q206628	1.50	<0.005
		vein (5 mm - 10 cm) 95% quartz-ankerite vein cross-cutting foliation 60° Pyrite 0%	204.00	205.50	Q206629	1.50	<0.005
		A quartz-ankerite vein with minor feldspar crosscutting the rock at 50 dtca. There is no mineralization	205.50	207.00	Q206630	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		associated with this structure.	207.00	208.50	Q206631	1.50	<0.005
207.30	207.38	Vn;98%;Qak;Vc;45°;; **vein (5 mm - 10 cm) 98% quartz-ankerite vein cross-cutting foliation 45°** A quartz-ankerite vein with minor feldspar crosscutting the rock at 50 dtca. There is no mineralization associated with this structure.					
207.40	207.65	Gg **Fault gouge 40°** A series of gouge fault cut the rock @40 dtca. 214.70 214.80 221.00 221.10					
207.65	228.00	DZ **Deformation Zone** In this interval the veins, veinlets and wispy ankerite show moderate to strongly isolated harmonistic deformation and block breaken core. Deformation intervals are. 208.5-209.4 216.4-216.60 225-225.3 227-227.8	208.50	210.00	Q206632	1.50	<0.005
			210.00	211.50	Q206633	1.50	<0.005
			211.50	213.00	Q206634	1.50	<0.005
			213.00	214.50	Q206635	1.50	<0.005
			214.50	216.00	Q206636	1.50	<0.005
			216.00	217.50	Q206637	1.50	<0.005
			217.50	219.00	Q206638	1.50	0.005
			219.00	220.50	Q206639	1.50	0.014
			220.50	222.00	Q206640	1.50	<0.005
			222.00	223.50	Q206641	1.50	0.014
			223.50	225.00	Q206642	1.50	<0.005
			225.00	226.50	Q206643	1.50	0.007
			226.50	228.00	Q206644	1.50	0.006
			228.00	229.50	Q206645	1.50	<0.005
			229.50	231.00	Q206646	1.50	<0.005
			231.00	232.50	Q206647	1.50	0.005
			232.50	234.00	Q206648	1.50	0.008
233.30	233.70	Vn;90%;Qak;Vc;60°;Py00; **vein (5 mm - 10 cm) 90% quartz-ankerite vein cross-cutting foliation 60° Pyrite 0%** A quartz-ankerite vein with minor feldspar crosscutting the rock at 50 dtca. There is no mineralization associated with this structure.	234.00	235.50	Q206649	1.50	0.005
			235.50	237.00	Q206652	1.50	<0.005
			237.00	238.50	Q206653	1.50	<0.005
			238.50	240.00	Q206654	1.50	<0.005
			240.00	241.50	Q206655	1.50	<0.005
			241.50	243.00	Q206656	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			243.00	244.50	Q206657	1.50	0.005
			244.50	246.00	Q206658	1.50	0.006
			246.00	247.50	Q206659	1.50	<0.005
			247.50	249.00	Q206660	1.50	<0.005
			249.00	250.50	Q206661	1.50	0.007
			250.50	252.00	Q206662	1.50	<0.005
			252.00	253.50	Q206663	1.50	<0.005
			253.50	255.00	Q206664	1.50	<0.005
			255.00	256.50	Q206665	1.50	<0.005
			256.50	258.00	Q206666	1.50	<0.005
			258.00	259.50	Q206667	1.50	0.005
			259.50	261.00	Q206668	1.50	0.005
			261.00	262.50	Q206669	1.50	<0.005
			262.50	264.00	Q206670	1.50	<0.005
			264.00	265.50	Q206671	1.50	0.006
			265.50	267.00	Q206672	1.50	0.006
			267.00	268.50	Q206673	1.50	0.005
			268.50	270.00	Q206674	1.50	<0.005
			270.00	271.50	Q206677	1.50	<0.005
			271.50	273.00	Q206678	1.50	<0.005
			273.00	274.50	Q206679	1.50	<0.005
			274.50	276.00	Q206680	1.50	<0.005
			276.00	277.50	Q206681	1.50	<0.005
			277.50	279.00	Q206682	1.50	<0.005
			279.00	280.50	Q206683	1.50	<0.005
			280.50	282.00	Q206684	1.50	<0.005
			282.00	283.50	Q206685	1.50	<0.005
			283.50	285.00	Q206686	1.50	<0.005
			285.00	286.50	Q206687	1.50	<0.005
			286.50	288.00	Q206688	1.50	<0.005
287.50	340.00	DZ	288.00	289.50	Q206689	1.50	<0.005
		Deformation Zone 45°					
		This unit shows predominantly medium to strong deformation.					
289.00	312.00	Se03; Cl02; Ank02	289.50	291.00	Q206690	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Sericite 3; Chlorite 2; Ankerite 2	291.00	292.50	Q206691	1.50	0.005
		Due to increasing the quartz ankerite veins this interval shows strongly pervasive and moderately chlorite alteration. The edge of all quartz-ankeit veins strongly shows sericite alteration.					
292.00	333.00	Vt;15%;Qak;Vc;45°;;	292.50	294.00	Q206692	1.50	<0.005
		veinlet (1-5 mm) 15% vein cross-cutting foliation 45°	294.00	295.50	Q206693	1.50	<0.005
		A network of quartz ankerite veinlets with variable size and orientation cross the core.	295.50	297.00	Q206694	1.50	<0.005
			297.00	298.50	Q206695	1.50	<0.005
			298.50	300.00	Q206696	1.50	<0.005
			300.00	301.50	Q206697	1.50	<0.005
			301.50	303.00	Q206698	1.50	0.005
			303.00	304.50	Q206699	1.50	0.005
			304.50	306.00	Q206702	1.50	<0.005
			306.00	307.50	Q206703	1.50	<0.005
			307.50	309.00	Q206704	1.50	0.005
			309.00	310.50	Q206705	1.50	<0.005
			310.50	312.00	Q206706	1.50	0.005
			312.00	313.50	Q206707	1.50	0.005
			313.50	315.00	Q206708	1.50	<0.005
			315.00	316.50	Q206709	1.50	<0.005
			316.50	318.00	Q206710	1.50	<0.005
			318.00	319.50	Q206711	1.50	<0.005
			319.50	321.00	Q206712	1.50	<0.005
			321.00	322.50	Q206713	1.50	<0.005
			322.50	324.00	Q206714	1.50	<0.005
			324.00	325.50	Q206715	1.50	<0.005
			325.50	327.00	Q206716	1.50	<0.005
			327.00	328.50	Q206717	1.50	<0.005
			328.50	330.00	Q206718	1.50	0.005
330.00	453.00	V4T	330.00	331.50	Q206719	1.50	<0.005
		Trachytic tuff	331.50	333.00	Q206720	1.50	<0.005
		The same of upper unit..Fine grained Dark green color and somewhere green to yellow green due to sericite alteration. The magnetic is variable from non to strong. The rock weakly is ankeretic and it shows crenulations on the ankeretic veinlets. The rock crosscutting by 20% massive quartz-ankerite- K feldspar veins and veinlets from 342-347m.Mineralization is trace and the rock strongly is magnetic.A few massive grey quartz and whitish ankerite with minor feldspar veins cross the rock. Two of them show folding and deformation. There is no mineralization associated with this structure.	333.00	334.50	Q206721	1.50	<0.005
			334.50	336.00	Q206722	1.50	<0.005
			336.00	337.50	Q206723	1.50	0.005
			337.50	339.00	Q206724	1.50	0.007
			339.00	340.50	Q206727	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
340.40	340.45	Gg **Fault gouge 45°** A gouge microfault cross the rock at 45 dtca. There is no mineralization associated	340.50	342.00	Q206728	1.50	<0.005
341.80	348.00	Se01; Cl02 **Sericite 1; Chlorite 2** Weak selective sericte and moderate chlorite alteration.	342.00	343.50	Q206729	1.50	<0.005
			343.50	345.00	Q206730	1.50	<0.005
344.50	344.80	Vn;85%;Qak;Vc;50°;; **vein (5 mm - 10 cm) 85% quartz-ankerite vein cross-cutting foliation 50°** A quartz-ankerite vein with minor feldspar crosscutting the rock at 50 dtca. There is no mineralization associated with this structure.					
345.00	345.20	Vn;90%;Qak;Vc;70°;; **vein (5 mm - 10 cm) 90% quartz-ankerite vein cross-cutting foliation 70°** A quartz-ankerite vein with minor feldspar crosscutting the rock at 50 dtca. There is no mineralization associated with this structure.	345.00	346.50	Q206731	1.50	<0.005
345.45	345.60	Vn;95%;Qak;;70°;; **vein (5 mm - 10 cm) 95% quartz-ankerite 70°** A quartz-ankerite vein with minor feldspar crosscutting the rock at 50 dtca. There is no mineralization associated with this structure.					
345.70	345.95	Vn;85%;Qak;Vc;75°;Py00; **vein (5 mm - 10 cm) 85% quartz-ankerite vein cross-cutting foliation 75° Pyrite 0%** A quartz-ankerite vein with minor feldspar crosscutting the rock at 50 dtca. There is no mineralization associated with this structure.	346.50	348.00	Q206732	1.50	<0.005
348.00	406.00	Ank01; Cl02 **Ankerite 1; Chlorite 2** Moderate pervasive chorite and weak ankrite alteration.	348.00	349.50	Q206733	1.50	0.008
			349.50	351.00	Q206734	1.50	0.008
			351.00	352.50	Q206735	1.50	<0.005
			352.50	354.00	Q206736	1.50	<0.005
			354.00	355.50	Q206737	1.50	<0.005
			355.50	357.00	Q206738	1.50	<0.005
			357.00	358.50	Q206739	1.50	<0.005
			358.50	360.00	Q206740	1.50	<0.005
			360.00	361.50	Q206741	1.50	<0.005
			361.50	363.00	Q206742	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			363.00	364.50	Q206743	1.50	<0.005
			364.50	366.00	Q206744	1.50	<0.005
365.55	365.65	Vn;85%;Qak;Fl;;;	366.00	367.50	Q206745	1.50	<0.005
		vein (5 mm - 10 cm) 85% quartz-ankerite flooding	367.50	369.00	Q206746	1.50	<0.005
		In this interval a10 cm massive grey quartz-whitish ankerite vein including patchy feldspar cut the core	369.00	370.50	Q206747	1.50	<0.005
		at unknown direction.	370.50	372.00	Q206748	1.50	<0.005
			372.00	373.50	Q206749	1.50	<0.005
			373.50	375.00	Q206752	1.50	<0.005
			375.00	376.50	Q206753	1.50	<0.005
			376.50	378.00	Q206754	1.50	<0.005
			378.00	379.50	Q206755	1.50	<0.005
			379.50	381.00	Q206756	1.50	<0.005
380.00	453.00	Py00.1	381.00	382.50	Q206757	1.50	<0.005
		Pyrite 0.1%	382.50	384.00	Q206758	1.50	<0.005
		Trace fine grained	384.00	385.50	Q206759	1.50	<0.005
			385.50	387.00	Q206760	1.50	<0.005
			387.00	388.50	Q206761	1.50	<0.005
387.50	392.50	Vn;8%;Qak;;80°;;	388.50	390.00	Q206762	1.50	<0.005
		vein (5 mm - 10 cm) 8% quartz-ankerite 80°	390.00	391.50	Q206763	1.50	<0.005
		In this interval a series of massive grey quartz and whitish ankerite with minor feldspar cross the rock.	391.50	393.00	Q206764	1.50	0.017
		Some of them show folding and deformation. There is no mineralization associated with this structure.	393.00	394.50	Q206765	1.50	<0.005
			394.50	396.00	Q206766	1.50	<0.005
			396.00	397.50	Q206767	1.50	<0.005
			397.50	399.00	Q206768	1.50	<0.005
			399.00	400.50	Q206769	1.50	<0.005
			400.50	402.00	Q206770	1.50	<0.005
			402.00	403.50	Q206771	1.50	<0.005
402.60	403.50	Vn;20%;Qak;Ra;;;	403.50	405.00	Q206772	1.50	<0.005
		vein (5 mm - 10 cm) 20% random	405.00	406.50	Q206773	1.50	<0.005
		In this interval four massive grey quartz and whitish ankerite with minor feldspar veins cross the rock.					
		Two of them show folding and deformation. There is no mineralization associated with this structure.					
406.00	413.00	K02; Cl01; Ank02	406.50	408.00	Q206774	1.50	<0.005
		Potassic 2; Chlorite 1; Ankerite 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate pervasive potassic and ankrite alteration has changed the color to pal pinkish-greyish					
407.50	412.50	Vn;5%;Qak;Vc;80°;;	408.00	409.50	Q206777	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite vein cross-cutting foliation 80°	409.50	411.00	Q206778	1.50	<0.005
		In this interval a series of massive grey quartz and whitish ankerite with minor feldspar cross the rock at	411.00	412.50	Q206779	1.50	<0.005
		average 80 dtca. Some of them show folding and deformation. There is no mineralization associated with	412.50	414.00	Q206780	1.50	<0.005
		this structure.					
413.00	453.00	Cl01; Ank01	414.00	415.50	Q206781	1.50	<0.005
		Chlorite 1; Ankerite 1	415.50	417.00	Q206782	1.50	<0.005
		Weak pervasive chlorite and ankerite alteration throughout the rock present.	417.00	418.50	Q206783	1.50	0.005
			418.50	420.00	Q206784	1.50	<0.005
			420.00	421.50	Q206785	1.50	<0.005
			421.50	423.00	Q206786	1.50	0.006
			423.00	424.50	Q206787	1.50	<0.005
			424.50	426.00	Q206788	1.50	<0.005
			426.00	427.50	Q206789	1.50	<0.005
			427.50	429.00	Q206790	1.50	<0.005
			429.00	430.50	Q206791	1.50	<0.005
			430.50	432.00	Q206792	1.50	<0.005
			432.00	433.50	Q206793	1.50	<0.005
			433.50	435.00	Q206794	1.50	<0.005
			435.00	436.50	Q206795	1.50	0.006
			436.50	438.00	Q206796	1.50	0.006
			438.00	439.50	Q206797	1.50	<0.005
			439.50	441.00	Q206798	1.50	<0.005
			441.00	442.50	Q206799	1.50	<0.005
			442.50	444.00	Q206802	1.50	<0.005
			444.00	445.50	Q206803	1.50	<0.005
			445.50	447.00	Q206804	1.50	0.005
			447.00	448.50	Q206805	1.50	<0.005
			448.50	450.00	Q206806	1.50	<0.005
			450.00	451.50	Q206807	1.50	0.005
			451.50	453.00	Q206808	1.50	<0.005

453.00	End of DDH
	Number of samples: 262
	Number of QAQC samples: 24
	Total sampled length: 392.30

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_69

Drilled by:	Major	Claims title:	L9987	Section:	
Described by:	Ciara Cooke	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	27/03/2014	Description date:	07/04/2014
		To:	31/03/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 507.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,386.155
North	0.0	0.000	5,332,068.025
Elevation	0.0	0.000	339.403

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	90.00	357.9°	-53.8°	No	Mag = 55249
ReflexEZS	150.00	358.1°	-53.1°	No	Mag = 54803
ReflexEZS	210.00	358.1°	-53.2°	No	Mag = 55095
ReflexEZS	270.00	357.9°	-53.0°	No	Mag = 54913
ReflexEZS	330.00	356.7°	-51.2°	No	Mag = 54994
ReflexEZS	390.00	355.1°	-50.6°	No	Mag = 54409
ReflexEZS	450.00	359.8°	-50.0°	No	Mag = 54731

Description

Logging completed on April 10, 2014. Re-logged July 2014 by Mike Laliberty.

Core size: NQ Cemented: Yes Stored: Yes

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	80.00	OVB						
		Overburden						
		80m of overburden.						
80.00	81.00	V4; PorFG						
		Trachyte; PORPHYRITIC (FINE GROUNDMASS)						
		Light green fine grained trachyte porphyry with 5-10% matrix supported feldspar phenocrysts that have been altered/replaced by ankerite. Common rusty brown carbonate weathering along fractures fizzes with acid. Moderate to pervasive ankeritic alteration. Strongly magnetic. Trace py.						
80.00	81.00	Ank02; Se01; Ca01		80.00	81.00	Q207002	1.00	0.006
		Ankerite 2; Sericite 1; Calcite 1						
		Moderate pervasive ankeritic alteration, weak sericitic alteration and a weak vein/fracture-controlled calcitic alteration.						
81.00	350.50	V4; Tuff		81.00	82.50	Q207003	1.50	<0.005
		Trachyte 60°; TUFF						
		Light brownish-green to medium green fine grained moderately to strongly foliated (40-80 dtca) trachyte tuff. Common intervals of S-C shear banding/crenulations and weaker deformations. Moderate to strong fracture and foliation-controlled chloritic alteration, and a weak to moderate intermittent foliation-controlled sericitic alteration. Ankerite and calcite are both non to locally strong and pervasive. They both come in and out throughout the unit with minor overlap; as one becomes prevalent, the other disappears and visa versa. Weakly to strongly intermittent magnetism with non magnetic intervals. Overall, 2-3% veining (with local higher concentrations) usually containing qtz/chlorite +/- feldspars (albite and/or k-spar) and either calcite or ankerite depending what the dominant pervasive alteration is in that particular interval. Trace py.						
81.00	123.00	Ca02; Cl02; K01						
		Calcite 2; Chlorite 2; Potassic 1						
		Weak to moderate pervasive calcitic alteration, moderate to strong fracture and foliation-controlled chloritic alteration and a weak isolated vein-controlled potassic alteration.						
81.63	81.64	Gg						
		Fault gouge						
		1cm wide fault gouge.						
81.64	83.30	Fln		82.50	84.00	Q207004	1.50	<0.005
		Foliation						
		Weak to moderate foliation at 55-65 dtca.						
83.30	83.47	Gg						
		Fault gouge						
		17cm of fault gouge.						
83.47	85.13	Fln		84.00	85.50	Q207005	1.50	<0.005
		Foliation		85.50	87.00	Q207006	1.50	0.005
		Weak to moderate foliation at 55-65 dtca.						
85.65	92.30	Vn;15%;Qcc;Vn;60°;Py00.1;						
		vein (5 mm - 10 cm) 15% quartz-calcite-chlorite vein parallel to foliation 60° Pyrite						
		0.1%						

Description			Assay				
			From	To	Sample number	Length	AuBest
		Qtz/calcite/chlorite + albite and/or k-spar and minor ankerite veining.					
86.40	86.70	Gg					
		Fault gouge					
		30cm of fault gouge.					
86.70	91.50	Fln	87.00	88.50	Q207007	1.50	<0.005
		Foliation	88.50	90.00	Q207008	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	90.00	91.50	Q207009	1.50	0.007
91.50	91.80	Gg	91.50	93.00	Q207010	1.50	0.007
		Fault gouge					
		30cm of fault gouge.					
91.80	104.44	Fln	93.00	94.50	Q207011	1.50	<0.005
		Foliation	94.50	96.00	Q207012	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	96.00	97.50	Q207013	1.50	<0.005
			97.50	99.00	Q207014	1.50	<0.005
			99.00	100.50	Q207015	1.50	<0.005
			100.50	102.00	Q207016	1.50	<0.005
			102.00	103.50	Q207017	1.50	<0.005
			103.50	105.00	Q207018	1.50	<0.005
104.44	104.46	Gg					
		Fault gouge					
		2cm wide fault gouge.					
104.46	104.48	Gg					
		Fault gouge					
		2cm of fault gouge.					
104.48	110.90	Fln	105.00	106.50	Q207019	1.50	<0.005
		Foliation					
		Weak to moderate foliation at 55-65 dtca.					
106.00	114.00	Vn;10%;Qcc;Vn;60°;Py00.1;	106.50	108.00	Q207020	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-calcite-chlorite vein parallel to foliation 60° Pyrite	108.00	109.50	Q207021	1.50	<0.005
		0.1%	109.50	111.00	Q207022	1.50	<0.005
		Qtz/calcite/chlorite + albite and/or k-spar and minor ankerite veining.					
110.90	188.90	Crn	111.00	112.50	Q207023	1.50	0.007
		Crenulation	112.50	114.00	Q207024	1.50	<0.005
		S-C shear banding.	114.00	115.50	Q207027	1.50	<0.005
			115.50	117.00	Q207028	1.50	<0.005
			117.00	118.50	Q207029	1.50	<0.005
			118.50	120.00	Q207030	1.50	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
			120.00	121.50	Q207031	1.50	<0.005
			121.50	123.00	Q207032	1.50	<0.005
123.00	145.50	Cl02; Ank02; Se01	123.00	124.50	Q207033	1.50	<0.005
		Chlorite 2; Ankerite 2; Sericite 1	124.50	126.00	Q207034	1.50	<0.005
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration and a weak to moderate intermittent foliation-controlled sericitic alteration.					
125.90	138.35	Vn;2%;Qac;Vn;60°;Py00.1;	126.00	127.50	Q207035	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 60° Pyrite 0.1%	127.50	129.00	Q207036	1.50	<0.005
		Qtz/ankerite/chlorite +/- minor albite veining parallel foliation. However there is a late generation of narrow (<1cm wide) qtz/ankerite veining that cross-cuts foliation and runs sub-parallel tca.	129.00	130.50	Q207037	1.50	<0.005
			130.50	132.00	Q207038	1.50	0.008
			132.00	133.50	Q207039	1.50	0.012
			133.50	135.00	Q207040	1.50	0.023
			135.00	136.50	Q207041	1.50	0.014
			136.50	138.00	Q207042	1.50	0.005
			138.00	139.50	Q207043	1.50	0.007
138.50	144.00	Vn;2%;Ak;Vc;20°;Py00.1;	139.50	141.00	Q207044	1.50	0.011
		vein (5 mm - 10 cm) 2% ankerite vein cross-cutting foliation 20° Pyrite 0.1%	141.00	142.50	Q207045	1.50	0.007
		Narrow (<1cm) ankerite veining that runs sub-parallel tca and exhibits some deformation.	142.50	144.00	Q207046	1.50	0.006
			144.00	145.50	Q207047	1.50	0.006
145.50	240.00	Ank02; Cl02; Se02	145.50	147.00	Q207048	1.50	<0.005
		Ankerite 2; Chlorite 2; Sericite 2	147.00	148.50	Q207049	1.50	0.005
		Weak to moderate pervasive ankeritic alteration, moderate to locally strong fracture and foliation-controlled alteration and a weak to moderate foliation-controlled sericitic alteration.	148.50	150.00	Q207052	1.50	0.007
			150.00	151.50	Q207053	1.50	<0.005
			151.50	153.00	Q207054	1.50	<0.005
152.50	163.10	Vn;3%;Qca;Vc;20°;Py00.1;	153.00	154.50	Q207055	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-calcite vein cross-cutting foliation 20° Pyrite 0.1%	154.50	156.00	Q207056	1.50	<0.005
		Narrow (<1cm) calcite +/- qtz veins that run sub-parallel tca cross-cutting the foliation. Also there are qtz/calcite veins (up to 3cm) in deformed areas that follow deformation/foliation.	156.00	157.50	Q207057	1.50	<0.005
			157.50	159.00	Q207058	1.50	<0.005
			159.00	160.50	Q207059	1.50	<0.005
			160.50	162.00	Q207060	1.50	<0.005
			162.00	163.50	Q207061	1.50	<0.005
			163.50	165.00	Q207062	1.50	<0.005
			165.00	166.50	Q207063	1.50	<0.005
			166.50	168.00	Q207064	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			168.00	169.50	Q207065	1.50	<0.005
			169.50	171.00	Q207066	1.50	<0.005
			171.00	172.50	Q207067	1.50	<0.005
			172.50	174.00	Q207068	1.50	<0.005
173.00	196.60	Vn;3%;Qac;Ra;;Py00.1;	174.00	175.50	Q207069	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%	175.50	177.00	Q207070	1.50	<0.005
		Qtz/ankerite/chlorite +/- albite and/or k-spar with occasional weak vein-controlled potassic alteration.	177.00	178.50	Q207071	1.50	<0.005
			178.50	180.00	Q207072	1.50	<0.005
			180.00	181.50	Q207073	1.50	<0.005
			181.50	183.00	Q207074	1.50	<0.005
			183.00	184.50	Q207077	1.50	<0.005
			184.50	186.00	Q207078	1.50	<0.005
			186.00	187.50	Q207079	1.50	<0.005
			187.50	189.00	Q207080	1.50	<0.005
188.90	188.95	Gg					
		Fault gouge 60°					
		5cm of fault gouge at 60 dtca.					
188.95	189.59	Crn	189.00	190.50	Q207081	1.50	<0.005
		Crenulation					
		S-C shear banding.					
189.59	189.61	Gg					
		Fault gouge 60°					
		2cm of fault gouge at 60 dtca.					
189.61	196.50	Crn	190.50	192.00	Q207082	1.50	<0.005
		Crenulation	192.00	193.50	Q207083	1.50	<0.005
		S-C shear banding.	193.50	195.00	Q207084	1.50	<0.005
			195.00	196.50	Q207085	1.50	<0.005
196.50	211.41	Fln	196.50	198.00	Q207086	1.50	<0.005
		Foliation 60°	198.00	199.50	Q207087	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	199.50	201.00	Q207088	1.50	<0.005
			201.00	202.50	Q207089	1.50	<0.005
			202.50	204.00	Q207090	1.50	<0.005
203.25	203.83	Vn;60%;Qac;Vn;80°;Py00.1;	204.00	205.50	Q207091	1.50	0.006
		vein (5 mm - 10 cm) 60% quartz-ankerite-chlorite vein parallel to foliation 80° Pyrite 0.1%					
		Qtz/ankerite/chlorite +/- albite veining with strong sericitic alteration along the margins.					

Description			Assay				
			From	To	Sample number	Length	AuBest
205.50	240.00	Vn;3%;Qac;Vn;65°;Py00.1;	205.50	207.00	Q207092	1.50	0.009
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite vein parallel to foliation 65° Pyrite	207.00	208.50	Q207093	1.50	<0.005
		0.1%	208.50	210.00	Q207094	1.50	0.007
		Ankerite/chlorite +/- qtz veining and gashes parallel to foliation at 60-75 dtca.	210.00	211.50	Q207095	1.50	0.008
211.41	211.44	Gg					
		Fault gouge 60°					
		3cm of fault gouge at 60 dtca.					
211.44	211.56	Fln	211.50	213.00	Q207096	1.50	<0.005
		Foliation 60°					
		Weak to moderate foliation at 55-65 dtca.					
211.56	211.59	Gg					
		Fault gouge 60°					
		3cm of fault gouge at 60 dtca.					
211.59	228.38	Fln	213.00	214.50	Q207097	1.50	0.006
		Foliation 60°	214.50	216.00	Q207098	1.50	0.009
		Weak to moderate foliation at 55-65 dtca.	216.00	217.50	Q207099	1.50	<0.005
			217.50	219.00	Q207102	1.50	<0.005
			219.00	220.50	Q207103	1.50	<0.005
			220.50	222.00	Q207104	1.50	<0.005
			222.00	223.50	Q207105	1.50	<0.005
			223.50	225.00	Q207106	1.50	<0.005
			225.00	226.50	Q207107	1.50	<0.005
			226.50	228.00	Q207108	1.50	<0.005
			228.00	229.50	Q207109	1.50	<0.005
228.38	228.40	Gg					
		Fault gouge 65°					
		2cm of fault gouge.					
228.40	232.40	Fln	229.50	231.00	Q207110	1.50	<0.005
		Foliation 60°	231.00	232.50	Q207111	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.					
232.40	232.50	Gg					
		Fault gouge 70°					
		10cm of gouge coated rubble and broken core.					
232.50	236.40	Fln	232.50	234.00	Q207112	1.50	<0.005
		Foliation 60°	234.00	235.50	Q207113	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	235.50	237.00	Q207114	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
236.40	236.41	Gg					
		Fault gouge 60°					
		1cm of fault gouge.					
236.41	238.20	Fln	237.00	238.50	Q207115	1.50	0.012
		Foliation 60°					
		Weak to moderate foliation at 55-65 dtca.					
238.20	238.22	Gg					
		Fault gouge 65°					
		2cm of fault gouge.					
238.22	251.50	Fln	238.50	240.00	Q207116	1.50	0.006
		Foliation 60°					
		Weak to moderate foliation at 55-65 dtca.					
240.00	262.20	Ca02; Cl02; Se01					
		Calcite 2; Chlorite 2; Sericite 1					
		Weak to moderate pervasive calcitic alteration, moderate foliation-controlled chloritic alteration and weak					
		to moderate foliation-controlled sericitic alteration.					
240.00	262.20	Vn;2%;Cc;Vn;60°;Py00.1;	240.00	241.50	Q207117	1.50	0.007
		vein (5 mm - 10 cm) 2% calcite-chlorite vein parallel to foliation 60° Pyrite 0.1%	241.50	243.00	Q207118	1.50	0.006
		Calcite/chlorite +/- qtz veining and gashes parallel to foliation.	243.00	244.50	Q207119	1.50	0.005
			244.50	246.00	Q207120	1.50	0.007
			246.00	247.50	Q207121	1.50	<0.005
			247.50	249.00	Q207122	1.50	0.007
			249.00	250.50	Q207123	1.50	<0.005
			250.50	252.00	Q207124	1.50	<0.005
251.50	255.00	Crn	252.00	253.50	Q207127	1.50	<0.005
		Crenulation	253.50	255.00	Q207128	1.50	0.005
		S-C shear banding.					
255.00	258.60	Fln	255.00	256.50	Q207129	1.50	<0.005
		Foliation 60°	256.50	258.00	Q207130	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	258.00	259.50	Q207131	1.50	0.006
258.60	261.00	Crn	259.50	261.00	Q207132	1.50	0.005
		Crenulation					
		S-C shear banding.					
261.00	262.50	Fln	261.00	262.50	Q207133	1.50	<0.005
		Foliation 60°					
		Weak to moderate foliation at 55-65 dtca.					
262.20	313.40	Ank02; Cl02; Se01					
		Ankerite 2; Chlorite 2; Sericite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Weak to moderate pervasive ankeritic alteration, moderate to locally strong fracture and foliation-controlled alteration and a weak to moderate foliation-controlled sericitic alteration.					
262.50	266.00	Crn	262.50	264.00	Q207134	1.50	<0.005
		Crenulation					
		S-C shear banding.					
263.66	265.15	Vn;5%;Qac;Vn;60°;Py00.1;	264.00	265.50	Q207135	1.50	0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 60° Pyrite	265.50	267.00	Q207136	1.50	<0.005
		0.1%					
		Qtz/ankerite/chlorite + minor albite veining parallel to foliation with moderate sericite along margins.					
266.00	268.60	Fln	267.00	268.50	Q207137	1.50	<0.005
		Foliation 60°	268.50	270.00	Q207138	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.					
268.60	283.00	Crn					
		Crenulation					
		S-C shear banding.					
268.75	274.90	Vn;5%;Qac;Vn;70°;Py00.1;	270.00	271.50	Q207139	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 70° Pyrite	271.50	273.00	Q207140	1.50	<0.005
		0.1%	273.00	274.50	Q207141	1.50	<0.005
		Qtz/ankerite/chlorite + minor albite veining with weak to moderate sericite along margins. Larger veins (up to 7cm wide) are generally parallel to foliation. Smaller veins (<2cm wide) cross-cut the foliation and exhibit folding and deformation.	274.50	276.00	Q207142	1.50	<0.005
			276.00	277.50	Q207143	1.50	<0.005
			277.50	279.00	Q207144	1.50	<0.005
			279.00	280.50	Q207145	1.50	<0.005
			280.50	282.00	Q207146	1.50	<0.005
			282.00	283.50	Q207147	1.50	<0.005
283.00	285.60	Fln	283.50	285.00	Q207148	1.50	<0.005
		Foliation 60°	285.00	286.50	Q207149	1.50	0.005
		Weak to moderate foliation at 55-65 dtca.					
285.60	332.00	Crn	286.50	288.00	Q207152	1.50	<0.005
		Crenulation					
		S-C shear banding.					
286.65	303.50	Vn;5%;Qac;Vn;70°;Py00.1;	288.00	289.50	Q207153	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 70° Pyrite	289.50	291.00	Q207154	1.50	<0.005
		0.1%	291.00	292.50	Q207155	1.50	<0.005
		Qtz/ankerite/chlorite + minor albite veining with weak to moderate sericite along margins.	292.50	294.00	Q207156	1.50	<0.005
			294.00	295.50	Q207157	1.50	<0.005
			295.50	297.00	Q207158	1.50	<0.005
			297.00	298.50	Q207159	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
			298.50	300.00	Q207160	1.50	<0.005
			300.00	301.50	Q207161	1.50	<0.005
			301.50	303.00	Q207162	1.50	<0.005
			303.00	304.50	Q207163	1.50	<0.005
			304.50	306.00	Q207164	1.50	0.007
			306.00	307.50	Q207165	1.50	0.005
			307.50	309.00	Q207166	1.50	<0.005
			309.00	310.50	Q207167	1.50	<0.005
			310.50	312.00	Q207168	1.50	<0.005
			312.00	313.50	Q207169	1.50	0.007
313.40	346.50	Ca02; Cl02; Se01	313.50	315.00	Q207170	1.50	0.013
		Calcite 2; Chlorite 2; Sericite 1	315.00	316.50	Q207171	1.50	0.007
		Weak to moderate pervasive calcitic alteration, moderate foliation-controlled chloritic alteration and weak	316.50	318.00	Q207172	1.50	<0.005
		to moderate foliation-controlled sericitic alteration.	318.00	319.50	Q207173	1.50	<0.005
			319.50	321.00	Q207174	1.50	<0.005
319.80	320.10	Vn;10%;Qca;Vc;10°;Py01;	321.00	322.50	Q207177	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-calcite vein cross-cutting foliation 10° Pyrite 1%	322.50	324.00	Q207178	1.50	<0.005
		Red-maroon qtz/calcite vein sub-parallel tca with strong potassic alteration and 1% coarse grained	324.00	325.50	Q207179	1.50	<0.005
		euhedral py. Core in this interval is broken and blocky.	325.50	327.00	Q207180	1.50	0.005
			327.00	328.50	Q207181	1.50	<0.005
			328.50	330.00	Q207182	1.50	<0.005
			330.00	331.50	Q207183	1.50	<0.005
			331.50	333.00	Q207184	1.50	<0.005
332.00	338.43	Fln	333.00	334.50	Q207185	1.50	<0.005
		Foliation 60°	334.50	336.00	Q207186	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	336.00	337.50	Q207187	1.50	0.005
			337.50	339.00	Q207188	1.50	0.005
338.43	338.52	Gg					
		Fault gouge 60°					
		9cm of fault gouge.					
338.52	346.70	Fln	339.00	340.50	Q207189	1.50	0.006
		Foliation 60°	340.50	342.00	Q207190	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	342.00	343.50	Q207191	1.50	<0.005
			343.50	345.00	Q207192	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			345.00	346.50	Q207193	1.50	0.009
346.50	377.00	Ank02; Cl02; Se01	346.50	348.00	Q207194	1.50	0.01
		Ankerite 2; Chlorite 2; Sericite 1					
		Weak to moderate pervasive ankeritic alteration, moderate to locally strong fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration.					
346.70	350.22	Crn	348.00	349.50	Q207195	1.50	0.013
		Crenulation	349.50	351.00	Q207196	1.50	0.006
		S-C shear banding.					
350.22	350.24	Gg					
		Fault gouge 60°					
		2cm of fault gouge.					
350.24	352.00	Fln					
		Foliation 60°					
		Strong foliation at 55-65 dtca.					
350.50	376.73	V4; LapTuff	351.00	352.50	Q207197	1.50	<0.005
		Trachyte 80°; LAPILLI TUFF/AGGLOMERATE					
		Beige/light to medium green fine grained tuffaceous trachyte groundmass with stretched, folded and foliated lapilli. Moderate to strong pervasive ankeritic alteration, moderate to strong fracture and foliation-controlled chloritic alteration, weak to locally strong intermittent foliation-controlled sericitic alteration and a weak to moderate vein-controlled potassic alteration . Weakly to strongly magnetic. <1% qtz/ankerite veining. Generally trace py.					
352.00	353.60	Crn	352.50	354.00	Q207198	1.50	0.005
		Crenulation					
		S-C shear banding.					
353.60	372.19	Fln	354.00	355.50	Q207199	1.50	0.005
		Foliation 60°	355.50	357.00	Q207202	1.50	<0.005
		Strong foliation at 55-65 dtca.	357.00	358.50	Q207203	1.50	0.008
			358.50	360.00	Q207204	1.50	0.009
			360.00	361.50	Q207205	1.50	0.012
			361.50	363.00	Q207206	1.50	0.008
362.90	363.70	Vn;5%;Qac;Vn;70°;Py00.1;	363.00	364.50	Q207207	1.50	0.127
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 70° Pyrite	364.50	366.00	Q207208	1.50	0.006
		0.1%	366.00	367.50	Q207209	1.50	0.01
		Qtz/ankerite/chlorite + albite and moderate sericite along margins.	367.50	369.00	Q207210	1.50	0.005
			369.00	370.50	Q207211	1.50	<0.005
			370.50	372.00	Q207212	1.50	<0.005
			372.00	373.50	Q207213	1.50	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
372.19	372.23	Gg					
		Fault gouge					
		4cm of fault gouge.					
372.23	372.78	Fln					
		Foliation 60°					
		Strong foliation at 55-65 dtca.					
372.78	372.86	Gg					
		Fault gouge					
		8cm of fault gouge and rubble.					
372.86	381.95	Fln	373.50	375.00	Q207214	1.50	<0.005
		Foliation 60°	375.00	376.50	Q207215	1.50	0.005
		Strong to moderate foliation at 55-65 dtca.	376.50	378.00	Q207216	1.50	<0.005
376.73	391.50	V4GS; Fol; Por					
		trachyte green spotted 75°; Foliated; Porphyritic					
		Brownish-red to medium green fine grained moderately foliated (at 50-75 dtca) trachyte groundmass with dark green stretched (altered leucite?) phenocrysts. Weak to moderate pervasive ankeritic alteration, moderate to strong fracture and foliation-controlled chloritic alteration, weak to locally strong intermittent foliation-controlled sericitic alteration and a weak patchy and moderate to strong vein-controlled potassic alteration. Weakly to moderately magnetic. 10% (to 388.5m then <1% to lower contact) qtz/ankerite/chlorite + albite/k-spar and sericite in randomly oriented veins and fracture fills of a transition zone with trace py, cpy and galena.					
377.00	388.90	K03; Cl02; Se02; Ank01	378.00	379.50	Q207217	1.50	0.009
		Potassic 3; Chlorite 2; Sericite 2; Ankerite 1	379.50	381.00	Q207218	1.50	<0.005
		Weak to moderate pervasive ankeritic alteration, moderate to strong fracture and foliation-controlled chloritic alteration, weak to locally strong intermittent foliation-controlled sericitic alteration and a weak patchy and moderate to strong vein-controlled potassic alteration.	381.00	382.50	Q207219	1.50	<0.005
377.00	384.00	Cp00.1; PbS00.1; Py00.1					
		Chalcopyrite 0.1%; Galena 0.1%; Pyrite 0.1%					
		Trace cpy, galena and pyrite associated with qtz/ankerite veining.					
377.00	388.50	Vn;10%;Qac;Ra;;Py00.1 Cp00.1 PbS00.1;					
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 0.1% Chalcopyrite 0.1% Galena 0.1%					
		Qtz/ankerite/chlorite + albite/k-spar and sericite in randomly oriented veins and fracture fills of a transition zone with trace py, cpy and galena. There are also strong vein-controlled potassic alteration halos around many of the veins.					
381.95	383.85	Crn	382.50	384.00	Q207220	1.50	0.005
		Crenulation					
		S-C shear banding.					
383.85	402.85	Fln	384.00	385.50	Q207221	1.50	<0.005
		Foliation 60°	385.50	387.00	Q207222	1.50	0.009
		Weak to moderate foliation at 55-65 dtca.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			387.00	388.50	Q207223	1.50	<0.005
			388.50	390.00	Q207224	1.50	0.006
388.90	431.32	Cl02; Ank02; Se01; K01	390.00	391.50	Q207227	1.50	<0.005
		Chlorite 2; Ankerite 2; Sericite 1; Potassic 1					
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration, weak to locally moderate foliation-controlled sericitic alteration and a weak patchy and locally moderate vein-controlled potassic alteration.					
391.50	417.00	V4; PyroTuff	391.50	393.00	Q207228	1.50	<0.005
		Trachyte 65°; PYROCLASTIC (TUFFACEOUS)	393.00	394.50	Q207229	1.50	0.008
		Light reddish-brown to medium green moderately foliated (at 65-85 dtca) pyroclastic tuff with subrounded to angular polymictic clasts (average ~1cm wide but can be several cms wide) in a fine to medium grained groundmass. Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration, weak to locally moderate foliation-controlled sericitic alteration and a weak patchy and locally moderate vein-controlled potassic alteration. Moderately to strongly magnetic with visible fine grained magnetite. 1% qtz/ankerite/chlorite + albite/k-spar and sericite in randomly oriented veins and fracture fills toward lower contact with trace py and galena.	394.50	396.00	Q207230	1.50	0.005
			396.00	397.50	Q207231	1.50	0.006
			397.50	399.00	Q207232	1.50	0.011
			399.00	400.50	Q207233	1.50	0.007
			400.50	402.00	Q207234	1.50	0.007
			402.00	403.50	Q207235	1.50	0.005
402.85	402.86	Gg					
		Fault gouge					
		1cm of fault gouge.					
402.86	407.11	Fln	403.50	405.00	Q207236	1.50	0.013
		Foliation 60°	405.00	406.50	Q207237	1.50	0.006
		Weak to moderate foliation at 55-65 dtca.	406.50	408.00	Q207238	1.50	0.008
407.11	407.20	Gg					
		Fault gouge					
		2cm of fault gouge at 407.11m and 1cm of gouge at 407.19m.					
407.20	464.35	Fln	408.00	409.50	Q207239	1.50	0.007
		Foliation 60°	409.50	411.00	Q207240	1.50	0.012
		Weak to moderate foliation at 55-65 dtca.	411.00	412.50	Q207241	1.50	0.013
			412.50	414.00	Q207242	1.50	0.01
			414.00	415.50	Q207243	1.50	0.011
415.40	415.60	Py00.1; PbS00.1					
		Pyrite 0.1%; Galena 0.1%					
		Trace py and galena in qtz/ankerite/chlorite veining.					
415.40	417.75	Vn;2%;Qac;Ra;;PbS00.1;	415.50	417.00	Q207244	1.50	0.006
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random Galena 0.1%					
		Qtz/ankerite/chlorite + albite/k-spar and sericite in randomly oriented veins and fracture fills with trace py and galena. There are also strong vein-controlled potassic alteration halos around many of the veins.					

Description			Assay				
			From	To	Sample number	Length	AuBest
417.00	423.84	V4GS; Fol	417.00	418.50	Q207245	1.50	0.005
		trachyte green spotted 70°; Foliated	418.50	420.00	Q207246	1.50	<0.005
		Brownish-red to medium green fine grained moderately foliated (at 60-85 dtca) trachyte groundmass with dark	420.00	421.50	Q207247	1.50	<0.005
		green stretched (altered leucite?) phenocrysts. Weak to moderate pervasive ankeritic alteration, moderate to	421.50	423.00	Q207248	1.50	<0.005
		strong fracture and foliation-controlled chloritic alteration, weak to locally strong intermittent foliation-controlled	423.00	424.50	Q207249	1.50	0.006
		sericitic alteration and a weak patchy and moderate to strong vein-controlled potassic alteration. Weakly to					
		moderately magnetic. 1% qtz/ankerite/chlorite + albite/k-spar and sericite in randomly oriented veins and					
		fracture fills of a transition zone with trace py and cpy.					
423.84	425.52	V4; PyroTuff	424.50	426.00	Q207252	1.50	0.03
		Trachyte 50°; PYROCLASTIC (TUFFACEOUS)					
		Light brown to medium green moderately foliated (at 50-80 dtca) pyroclastic tuff with subrounded to angular					
		polymictic clasts (average ~1cm wide but can be several cms wide) in a fine to medium grained groundmass.					
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic					
		alteration, weak to locally moderate foliation-controlled sericitic alteration and a moderate vein-controlled					
		potassic alteration. Moderately to strongly magnetic with visible fine grained magnetite. 40%					
		ankerite/chlorite/minor qtz + albite/k-spar and sericite in randomly oriented veins and fracture fills.					
425.52	431.32	V4; Fol	426.00	427.50	Q207253	1.50	0.008
		Trachyte 65°; Foliated	427.50	429.00	Q207254	1.50	0.007
		Medium grey-green fine grained weakly to moderately foliated (at 60-85 dtca) trachyte. Moderate to strong	429.00	430.50	Q207255	1.50	0.007
		fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration, weak to	430.50	432.00	Q207256	1.50	0.005
		locally moderate foliation-controlled sericitic alteration and a weak patchy and locally moderate vein-controlled					
		potassic alteration. Moderately to strongly magnetic. Qtz/ankerite/chlorite + albite/k-spar and sericite in veins					
		and fracture fills parallel to foliation. Trace py.					
431.32	464.60	V4; Tuff					
		Trachyte 50°; TUFF					
		Light to medium green/grey weakly to moderately foliated (at 45-85 dtca) tuff units. Each unit has a glassy					
		groundmass with lapilli(?)/porphyroblasts(?) that have been ankeritized or in some intervals chloritized that					
		give the rock a porphyritic appearance. Moderate to strong pervasive ankeritic alteration, moderate to strong					
		patchy and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration.					
		Moderately to strongly magnetic with visible magnetite throughout the unit. <1% qtz/ankerite veining. Trace py					
		and trace cpy associated with qtz/ankerite veining at 456.5m.					
431.32	473.40	Cl02; Ank01; Se01	432.00	433.50	Q207257	1.50	<0.005
		Chlorite 2; Ankerite 1; Sericite 1	433.50	435.00	Q207258	1.50	<0.005
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive	435.00	436.50	Q207259	1.50	<0.005
		ankeritic alteration and a weak to locally moderate foliation-controlled sericitic alteration.	436.50	438.00	Q207260	1.50	0.01
			438.00	439.50	Q207261	1.50	<0.005
			439.50	441.00	Q207262	1.50	0.005
			441.00	442.50	Q207263	1.50	<0.005
			442.50	444.00	Q207264	1.50	0.021

Description			Assay				
			From	To	Sample number	Length	AuBest
			444.00	445.50	Q207265	1.50	<0.005
			445.50	447.00	Q207266	1.50	0.005
			447.00	448.50	Q207267	1.50	<0.005
			448.50	450.00	Q207268	1.50	<0.005
			450.00	451.50	Q207269	1.50	<0.005
			451.50	453.00	Q207270	1.50	<0.005
			453.00	454.50	Q207271	1.50	<0.005
			454.50	456.00	Q207272	1.50	<0.005
			456.00	457.50	Q207273	1.50	<0.005
456.40	456.50	Py00.1; Cp00.1	457.50	459.00	Q207274	1.50	<0.005
		Pyrite 0.1%; Chalcopyrite 0.1%	459.00	460.50	Q207277	1.50	<0.005
		Qtz/ankerite vein hosted py and cpy.	460.50	462.00	Q207278	1.50	<0.005
			462.00	463.50	Q207279	1.50	<0.005
			463.50	465.00	Q207280	1.50	<0.005
464.35	464.36	Gg					
		Fault gouge					
		1cm of fault gouge.					
464.36	465.90	Crn					
		Crenulation					
		S-C shear banding.					
464.60	473.40	V4GS; Fol	465.00	466.50	Q207281	1.50	<0.005
		trachyte green spotted 30°; Foliated					
		Brownish-red to medium green fine grained moderately foliated (at 20-65 dtca) trachyte groundmass with dark green stretched (altered leucite?) phenocrysts. Weak pervasive ankeritic alteration, weak to moderate fracture and foliation-controlled chloritic alteration, weak to moderate intermittent foliation-controlled sericitic alteration and a weak fracture/vein-controlled potassic alteration. Weakly to moderately magnetic. 1% calcite/chlorite + k-spar and sericite in randomly oriented veins and fracture fills. Trace py.					
465.90	475.00	Fln	466.50	468.00	Q207282	1.50	<0.005
		Foliation 60°	468.00	469.50	Q207283	1.50	<0.005
		Weak to moderate foliation at 55-65 dtca.	469.50	471.00	Q207284	1.50	<0.005
			471.00	472.50	Q207285	1.50	<0.005
			472.50	474.00	Q207286	1.50	<0.005
473.40	507.00	V4; PorFG					
		Trachyte 45°; PORPHYRITIC (FINE GROUNDMASS)					
		Medium to dark grey/green fine grained massive trachyte flows with interflow brecciation and chilled margins. Most of the flows have 5-20% fine to medium grained white euhedral to subhedral matrix supported ankerite altered/replaced phenocrysts. Moderate to strong fracture-controlled chloritic alteration, weak to moderate					

Description			Assay				
			From	To	Sample number	Length	AuBest
		pervasive ankeritic alteration and a weak patchy and localized moderate vein-controlled potassic alteration. Moderately to strongly magnetic. 1-2% qtz/ankerite/chlorite veining commonly with potassic alteration halos. Trace py.					
473.40	507.00	Cl02; Ank01; K01	474.00	475.50	Q207287	1.50	0.007
		Chlorite 2; Ankerite 1; Potassic 1	475.50	477.00	Q207288	1.50	<0.005
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration and a weak patchy and locally moderate vein-controlled potassic alteration.	477.00	478.50	Q207289	1.50	0.005
			478.50	480.00	Q207290	1.50	0.016
479.80	485.90	Vn;5%;Qac;Ra;;Py00.1;	480.00	481.50	Q207291	1.50	0.013
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 0.1%	481.50	483.00	Q207292	1.50	<0.005
		Randomly oriented ankerite/chlorite with minor qtz veining and fracture fills commonly in brecciated/chilled margins between flows with moderate potassic alteration halos. Generally trace py but locally up to 0.5%.	483.00	484.50	Q207293	1.50	<0.005
			484.50	486.00	Q207294	1.50	<0.005
			486.00	487.50	Q207295	1.50	<0.005
			487.50	489.00	Q207296	1.50	0.007
			489.00	490.50	Q207297	1.50	0.015
			490.50	492.00	Q207298	1.50	0.016
			492.00	493.50	Q207299	1.50	0.006
			493.50	495.00	Q207302	1.50	0.005
			495.00	496.50	Q207303	1.50	<0.005
			496.50	498.00	Q207304	1.50	<0.005
			498.00	499.50	Q207305	1.50	<0.005
			499.50	501.00	Q207306	1.50	<0.005
			501.00	502.50	Q207307	1.50	<0.005
			502.50	504.00	Q207308	1.50	<0.005
			504.00	505.50	Q207309	1.50	0.008
			505.50	507.00	Q207310	1.50	<0.005
507.00		**End of DDH** **Number of samples: 285** **Number of QAQC samples: 25** **Total sampled length: 427.00**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_70

Drilled by:	Major	Claims title:	L9986	Section:	
Described by:	Reza Hosseinnejad	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	29/03/2014	Description date:	09/04/2014
		To:	07/04/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 564.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,522.329
North	0.0	0.000	5,331,603.540
Elevation	0.0	0.000	336.461

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	192.00	176.8°	-52.3°	No	Mag = 56577
ReflexEZS	252.00	179.4°	-49.2°	No	Mag = 55550
ReflexEZS	312.00	182.5°	-47.2°	No	Mag = 56227
ReflexEZS	372.00	187.8°	-45.6°	No	Mag = 55610
ReflexEZS	432.00	185.0°	-42.5°	No	Mag = 55248
ReflexEZS	492.00	194.0°	-39.8°	No	Mag = 55891
ReflexEZS	552.00	194.4°	-37.6°	No	Mag = 55834

Description

Re-logged by Mike Laliberty in June 2014.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	173.90	OVB **Overburden** Overburden.	173.50	175.50	Q206809	2.00	0.017
173.90	553.25	MT; Fol **Mafic Tuff; Foliated** Dark grey/black fine grained weakly foliated (25-55 dtca) mafic tuff with occasional intervals of more massive trachyte. Calcite replacement of lapilli and/or clasts is quite common throughout the interval. Moderate to strong pervasive calcitic alteration, moderate fracture-controlled chloritic alteration, weak isolated vein-controlled potassic alteration, and weak epidote alteration associated with calcite veins (fades out around 270m). 2-3% calcite/qtz/chlorite +/- epidote and/or k-spar veining. Moderately to strongly magnetic. Generally trace to 0.5% disseminated py but locally up to 2-3% associated with a pinkish-brown potassic/carbonate(?) alteration.					
173.90	553.25	Ca02; Cl02; K01; Ep01 **Calcite 2; Chlorite 2; Potassic 1; Epidote 1** Moderate to strong pervasive calcitic alteration, moderate fracture-controlled chloritic alteration, weak to locally strong isolated vein-controlled and patchy potassic alteration, and weak isolated epidote alteration associated with calcite veins (epidote fades out around 270m).	175.50	177.00	Q206810	1.50	<0.005
			177.00	178.50	Q206811	1.50	0.006
			178.50	180.00	Q206812	1.50	0.005
			180.00	181.50	Q206813	1.50	0.008
			181.50	183.00	Q206814	1.50	<0.005
			183.00	184.50	Q206815	1.50	<0.005
			184.50	186.00	Q206816	1.50	0.037
			186.00	187.50	Q206817	1.50	0.009
			187.50	189.00	Q206818	1.50	0.014
			189.00	190.50	Q206819	1.50	0.012
			190.50	192.00	Q206820	1.50	0.01
			192.00	193.50	Q206821	1.50	0.005
			193.50	195.00	Q206822	1.50	0.011
173.90	547.00	Fln **Foliation 45°** Weak foliation at 30-65 dtca with minor folding in areas of veining.					
195.00	204.60	Vn;5%;Qcc;Ra;;Py00.1; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1%** Randomly oriented occasionally S or Z folded calcite/qtz/chlorite +/- epidote and/or k-spar veining generally barren.	195.00	196.50	Q206823	1.50	0.016
			196.50	198.00	Q206824	1.50	0.016
			198.00	199.50	Q206827	1.50	0.007
			199.50	201.00	Q206828	1.50	0.008
			201.00	202.50	Q206829	1.50	<0.005
			202.50	204.00	Q206830	1.50	<0.005
			204.00	205.50	Q206831	1.50	<0.005
			205.50	207.00	Q206832	1.50	<0.005
			207.00	208.50	Q206833	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			208.50	210.00	Q206834	1.50	<0.005
			210.00	211.50	Q206835	1.50	<0.005
			211.50	213.00	Q206836	1.50	<0.005
			213.00	214.50	Q206837	1.50	<0.005
			214.50	216.00	Q206838	1.50	<0.005
			216.00	217.50	Q206839	1.50	<0.005
			217.50	219.00	Q206840	1.50	0.012
			219.00	220.50	Q206841	1.50	0.008
			220.50	222.00	Q206842	1.50	0.005
222.00	223.50	Vn;5%;Qcc;Ra;;Py00.1; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1%** Randomly oriented occasionally S or Z folded calcite/qtz/chlorite +/- epidote and/or k-spar veining generally barren.	222.00	223.50	Q206843	1.50	<0.005
			223.50	225.00	Q206844	1.50	<0.005
			225.00	226.50	Q206845	1.50	0.005
			226.50	228.00	Q206846	1.50	<0.005
			228.00	229.50	Q206847	1.50	<0.005
			229.50	231.00	Q206848	1.50	0.007
230.60	239.50	Vn;10%;Qcc;Ra;;Py00.1; **vein (5 mm - 10 cm) 10% quartz-calcite-chlorite random Pyrite 0.1%** Randomly oriented occasionally S or Z folded calcite/qtz/chlorite +/- epidote and/or k-spar veining generally barren.	231.00	232.50	Q206849	1.50	<0.005
			232.50	234.00	Q206852	1.50	<0.005
			234.00	235.50	Q206853	1.50	<0.005
			235.50	237.00	Q206854	1.50	0.009
			237.00	238.50	Q206855	1.50	0.007
			238.50	240.00	Q206856	1.50	0.007
			240.00	241.50	Q206857	1.50	0.013
			241.50	243.00	Q206858	1.50	0.005
			243.00	244.50	Q206859	1.50	0.006
			244.50	246.00	Q206860	1.50	0.006
			246.00	247.50	Q206861	1.50	<0.005
			247.50	249.00	Q206862	1.50	0.005
			249.00	250.50	Q206863	1.50	0.005
			250.50	252.00	Q206864	1.50	<0.005
			252.00	253.50	Q206865	1.50	<0.005
			253.50	255.00	Q206866	1.50	<0.005
			255.00	256.50	Q206867	1.50	0.006
			256.50	258.00	Q206868	1.50	0.006
			258.00	259.50	Q206869	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			259.50	261.00	Q206870	1.50	0.005
			261.00	262.50	Q206871	1.50	0.006
262.30	267.20	Vn;20%;Qcc;Ra;;Py00.1;	262.50	264.00	Q206872	1.50	<0.005
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random Pyrite 0.1%	264.00	265.50	Q206873	1.50	<0.005
		Randomly oriented occasionally S or Z folded calcite/qtz/chlorite +/- k-spar veining generally barren.	265.50	267.00	Q206874	1.50	<0.005
			267.00	268.50	Q206877	1.50	0.008
			268.50	270.00	Q206878	1.50	0.033
			270.00	271.50	Q206879	1.50	0.051
			271.50	273.00	Q206880	1.50	0.026
			273.00	274.50	Q206881	1.50	0.017
			274.50	276.00	Q206882	1.50	0.015
			276.00	277.50	Q206883	1.50	0.046
			277.50	279.00	Q206884	1.50	0.012
			279.00	280.50	Q206885	1.50	0.005
			280.50	282.00	Q206886	1.50	<0.005
			282.00	283.50	Q206887	1.50	<0.005
			283.50	285.00	Q206888	1.50	<0.005
			285.00	286.50	Q206889	1.50	0.005
			286.50	288.00	Q206890	1.50	<0.005
			288.00	289.50	Q206891	1.50	<0.005
			289.50	291.00	Q206892	1.50	<0.005
			291.00	292.50	Q206893	1.50	0.005
			292.50	294.00	Q206894	1.50	<0.005
			294.00	295.50	Q206895	1.50	0.005
			295.50	297.00	Q206896	1.50	0.011
			297.00	298.50	Q206897	1.50	0.006
			298.50	300.00	Q206898	1.50	0.017
			300.00	301.50	Q206899	1.50	0.008
			301.50	303.00	Q206902	1.50	0.029
			303.00	304.50	Q206903	1.50	0.018
			304.50	306.00	Q206904	1.50	0.027
			306.00	307.50	Q206905	1.50	0.028
			307.50	309.00	Q206906	1.50	<0.005
			309.00	310.50	Q206907	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			310.50	312.00	Q206908	1.50	0.005
			312.00	313.50	Q206909	1.50	0.012
			313.50	315.00	Q206910	1.50	0.007
			315.00	316.50	Q206911	1.50	<0.005
			316.50	318.00	Q206912	1.50	<0.005
			318.00	319.50	Q206913	1.50	<0.005
			319.50	321.00	Q206914	1.50	0.008
			321.00	322.50	Q206915	1.50	0.019
			322.50	324.00	Q206916	1.50	0.009
			324.00	325.50	Q206917	1.50	0.019
			325.50	327.00	Q206918	1.50	0.018
			327.00	328.50	Q206919	1.50	<0.005
328.00	331.80	Py00.5	328.50	330.00	Q206920	1.50	0.023
		Pyrite 0.5%	330.00	331.50	Q206921	1.50	0.012
		0.5% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.	331.50	333.00	Q206922	1.50	0.026
			333.00	334.50	Q206923	1.50	0.023
334.50	334.80	Vn;40%;Qcc;Ra;;Py01;	334.50	336.00	Q206924	1.50	0.043
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 1%					
		Randomly oriented calcite/qtz/chlorite veining with brick red potassic alteration and 1% py.					
336.00	343.30	Py01	336.00	337.50	Q206927	1.50	0.063
		Pyrite 1%	337.50	339.00	Q206928	1.50	0.022
		1% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.	339.00	340.50	Q206929	1.50	0.049
			340.50	342.00	Q206930	1.50	0.037
341.00	341.40	Vn;80%;Qcc;Ra;;Py01;	342.00	343.50	Q206931	1.50	0.086
		vein (5 mm - 10 cm) 80% quartz-calcite-chlorite random Pyrite 1%					
		Randomly oriented calcite/qtz/chlorite + k-spar(?) veining with potassic alteration. 1% py.					
343.30	348.00	Py02	343.50	345.00	Q206932	1.50	0.091
		Pyrite 2%					
		2% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.					
343.60	343.90	Vn;40%;Qcc;Ra;;Py02;	345.00	346.50	Q206933	1.50	0.022
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 2%	346.50	348.00	Q206934	1.50	0.028
		Randomly oriented calcite/qtz/chlorite + k-spar(?) veining with potassic alteration and possibly some localized silicification. 2% py					
348.00	349.00	Py01	348.00	349.50	Q206935	1.50	0.014
		Pyrite 1%	349.50	351.00	Q206936	1.50	0.006
		1% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.	351.00	352.50	Q206937	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			352.50	354.00	Q206938	1.50	0.005
			354.00	355.50	Q206939	1.50	<0.005
			355.50	357.00	Q206940	1.50	<0.005
			357.00	358.50	Q206941	1.50	0.036
			358.50	360.00	Q206942	1.50	0.062
			360.00	361.50	Q206943	1.50	0.02
360.70	362.20	Py01					
		Pyrite 1%					
		1% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.					
361.00	371.30	Vn;1%;Qac;Ra;;Py00.1;	361.50	363.00	Q206944	1.50	0.012
		vein (5 mm - 10 cm) 1% quartz-ankerite-chlorite random Pyrite 0.1%	363.00	364.50	Q206945	1.50	0.008
		Ankerite/qtz/chlorite hydrothermally brecciated veining with potassic alteration halos and generally trace	364.50	366.00	Q206946	1.50	<0.005
		py.	366.00	367.50	Q206947	1.50	0.031
			367.50	369.00	Q206948	1.50	0.022
			369.00	370.50	Q206949	1.50	0.01
			370.50	372.00	Q206952	1.50	0.015
			372.00	373.50	Q206953	1.50	0.006
			373.50	375.00	Q206954	1.50	0.036
			375.00	376.50	Q206955	1.50	0.019
			376.50	378.00	Q206956	1.50	0.013
			378.00	379.50	Q206957	1.50	<0.005
			379.50	381.00	Q206958	1.50	0.007
			381.00	382.50	Q206959	1.50	0.014
			382.50	384.00	Q206960	1.50	0.049
			384.00	385.50	Q206961	1.50	0.018
			385.50	387.00	Q206962	1.50	0.01
			387.00	388.50	Q206963	1.50	0.006
387.40	387.90	Vn;25%;Qcc;Ra;;Py00.1;	388.50	390.00	Q206964	1.50	<0.005
		vein (5 mm - 10 cm) 25% quartz-calcite-chlorite random Pyrite 0.1%	390.00	391.50	Q206965	1.50	<0.005
		Calcite/qtz/chlorite +/- k-spar veining with brick red potassic alteration and trace py.	391.50	393.00	Q206966	1.50	0.01
			393.00	394.50	Q206967	1.50	<0.005
			394.50	396.00	Q206968	1.50	<0.005
			396.00	397.50	Q206969	1.50	0.152
396.30	423.00	Vn;2%;Qcc;Ra;;Py00.1;	397.50	399.00	Q206970	1.50	0.13
		vein (5 mm - 10 cm) 2% quartz-calcite-chlorite random Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Calcite/qtz/chlorite +/- k-spar veining with brick red potassic alteration and trace py.					
398.40	401.50	Py01	399.00	400.50	Q206971	1.50	1.31
		Pyrite 1%	400.50	402.00	Q206972	1.50	0.005
		Generally 1% py but locally up to 3% associated with a pinkish-brown potassic/carbonate(?) alteration	402.00	403.50	Q206973	1.50	<0.005
		and black chlorite fracture fill that is parallel to foliation.	403.50	405.00	Q206974	1.50	0.143
404.00	405.00	Py01					
		Pyrite 1%					
		1% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.					
405.00	410.00	Py03	405.00	406.50	Q206977	1.50	2.23
		Pyrite 3%	406.50	408.00	Q206978	1.50	0.968
		3% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.	408.00	409.50	Q206979	1.50	0.984
			409.50	411.00	Q206980	1.50	0.421
411.00	413.00	Py02	411.00	412.50	Q206981	1.50	0.04
		Pyrite 2%	412.50	414.00	Q206982	1.50	<0.005
		2% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.					
414.00	421.20	Py01	414.00	415.50	Q206983	1.50	0.143
		Pyrite 1%	415.50	417.00	Q206984	1.50	0.165
		1% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.	417.00	418.50	Q206985	1.50	0.189
			418.50	420.00	Q206986	1.50	0.009
			420.00	421.50	Q206987	1.50	0.311
			421.50	423.00	Q206988	1.50	<0.005
			423.00	424.50	Q206989	1.50	0.032
			424.50	426.00	Q206990	1.50	<0.005
			426.00	427.50	Q206991	1.50	<0.005
427.00	429.00	Py01	427.50	429.00	Q206992	1.50	0.01
		Pyrite 1%	429.00	430.50	Q206993	1.50	<0.005
		1% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.	430.50	432.00	Q206994	1.50	<0.005
			432.00	433.50	Q206995	1.50	<0.005
			433.50	435.00	Q206996	1.50	<0.005
435.00	435.60	Py02	435.00	436.50	Q206997	1.50	0.204
		Pyrite 2%	436.50	438.00	Q206998	1.50	<0.005
		2% py associated with a pinkish-brown potassic/carbonate(?) alteration that is parallel to foliation.	438.00	439.50	Q206999	1.50	<0.005
			439.50	441.00	Q301002	1.50	<0.005
			441.00	442.50	Q301003	1.50	0.012
			442.50	444.00	Q301004	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			444.00	445.50	Q301005	1.50	<0.005
			445.50	447.00	Q301006	1.50	<0.005
			447.00	448.50	Q301007	1.50	<0.005
			448.50	450.00	Q301008	1.50	<0.005
449.10	458.10	Vn;2%;Qcc;Ra;;Py00.1;	450.00	451.50	Q301009	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-calcite-chlorite random Pyrite 0.1%	451.50	453.00	Q301010	1.50	<0.005
		Calcite/qtz/chlorite +/- k-spar veining with brick red potassic alteration and trace py.	453.00	454.50	Q301011	1.50	<0.005
			454.50	456.00	Q301012	1.50	<0.005
			456.00	457.50	Q301013	1.50	0.005
			457.50	459.00	Q301014	1.50	<0.005
			459.00	460.50	Q301015	1.50	0.007
			460.50	462.00	Q301016	1.50	0.01
			462.00	463.50	Q301017	1.50	0.02
			463.50	465.00	Q301018	1.50	<0.005
			465.00	466.50	Q301019	1.50	0.005
			466.50	468.00	Q301020	1.50	<0.005
			468.00	469.50	Q301021	1.50	<0.005
			469.50	471.00	Q301022	1.50	<0.005
471.00	475.50	Py00.5	471.00	472.50	Q301023	1.50	0.151
		Pyrite 0.5%					
		0.5% on average disseminated py associated with potassic alteration and potassically altered calcite/qtz/chlorite veining.					
471.10	471.70	Vn;5%;Qcc;Ra;;Py01;	472.50	474.00	Q301024	1.50	0.063
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 1%	474.00	475.50	Q301027	1.50	0.121
		Narrow randomly oriented qtz/calcite/chlorite +/- k-spar veining with intense potassic alteration halos and 1% py.	475.50	477.00	Q301028	1.50	<0.005
			477.00	478.50	Q301029	1.50	0.005
			478.50	480.00	Q301030	1.50	<0.005
			480.00	481.50	Q301031	1.50	<0.005
			481.50	483.00	Q301032	1.50	<0.005
			483.00	484.50	Q301033	1.50	<0.005
			484.50	486.00	Q301034	1.50	<0.005
			486.00	487.50	Q301035	1.50	<0.005
			487.50	489.00	Q301036	1.50	<0.005
			489.00	490.50	Q301037	1.50	<0.005
			490.50	492.00	Q301038	1.50	0.035

Description			Assay				
			From	To	Sample number	Length	AuBest
			492.00	493.50	Q301039	1.50	0.009
			493.50	495.00	Q301040	1.50	0.007
			495.00	496.50	Q301041	1.50	0.06
496.10	507.70	Py01	496.50	498.00	Q301042	1.50	0.294
		Pyrite 1%					
		0.5-1% on average disseminated py associated with potassic alteration and potassically altered calcite/qtz/chlorite veining.					
498.00	498.70	Vn;10%;Qcc;Ra;;Py01;	498.00	499.50	Q301043	1.50	0.178
		vein (5 mm - 10 cm) 10% quartz-calcite-chlorite random Pyrite 1%	499.50	501.00	Q301044	1.50	0.277
		Narrow randomly oriented qtz/calcite/chlorite +/- k-spar veining with intense potassic alteration halos and 1% py. There is also a late 5cm wide subparallel tca calcite/qtz vein with no potassic alteration with 1-2% py.	501.00	502.50	Q301045	1.50	0.069
			502.50	504.00	Q301046	1.50	0.166
			504.00	505.50	Q301047	1.50	0.094
			505.50	507.00	Q301048	1.50	0.123
			507.00	508.50	Q301049	1.50	0.084
			508.50	510.00	Q301052	1.50	0.038
			510.00	511.50	Q301053	1.50	0.013
511.50	516.20	Py01	511.50	513.00	Q301054	1.50	0.034
		Pyrite 1%	513.00	514.50	Q301055	1.50	0.031
		0.5-1% on average disseminated py associated with potassic alteration and potassically altered calcite/qtz/chlorite veining.	514.50	516.00	Q301056	1.50	0.027
516.00	520.00	Vn;5%;Qcc;Ra;;Py00.1 Cp00.1;	516.00	517.50	Q301057	1.50	0.02
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random Pyrite 0.1% Chalcopyrite 0.1%					
		Narrow randomly oriented qtz/calcite/chlorite +/- k-spar veining with strong potassic alteration halos, trace py and locally up to 1% cpy.					
516.30	520.00	Cp00.2	517.50	519.00	Q301058	1.50	0.066
		Chalcopyrite 0.2%	519.00	520.50	Q301059	1.50	0.021
		Trace to 1% on average blobs of cpy associated with late, non-potassically altered calcite/qtz/chlorite veining surrounded by moderate potassic alteration.	520.50	522.00	Q301060	1.50	0.014
			522.00	523.50	Q301061	1.50	0.007
			523.50	525.00	Q301062	1.50	<0.005
			525.00	526.50	Q301063	1.50	0.011
			526.50	528.00	Q301064	1.50	0.01
			528.00	529.50	Q301065	1.50	0.007
			529.50	531.00	Q301066	1.50	<0.005
			531.00	532.50	Q301067	1.50	0.009
			532.50	534.00	Q301068	1.50	0.013
			534.00	535.50	Q301069	1.50	<0.005

Description				Assay				
				From	To	Sample number	Length	AuBest
				535.50	537.00	Q301070	1.50	0.006
				537.00	538.50	Q301071	1.50	<0.005
				538.50	540.00	Q301072	1.50	0.006
				540.00	541.50	Q301073	1.50	0.007
				541.50	543.00	Q301074	1.50	0.006
				543.00	544.50	Q301077	1.50	0.006
				544.50	546.00	Q301078	1.50	0.009
				546.00	547.50	Q301079	1.50	0.007
				547.50	549.00	Q301080	1.50	0.005
				549.00	550.50	Q301081	1.50	0.006
				550.50	552.00	Q301082	1.50	0.02
				552.00	553.50	Q301083	1.50	<0.005
553.25	553.75	MI; Mass						
		Mafic Intrusion 25°; Massive						
		Dark grey/black fine grained massive mafic intrusion with chilled margins and sharp contacts at 25 dtca. 1% narrow (<3mm wide) perpendicular tca calcite veinlets with minor vein-controlled epidote alteration. Moderately to strongly magnetic. Trace py.						
553.25	553.75	Ep01		553.50	555.00	Q301084	1.50	0.009
		Epidote 1						
		Weak vein-controlled epidote alteration.						
553.75	563.50	MT; Fol						
		Mafic Tuff; Foliated						
		Similar to 173.9 to 553.25m.						
553.75	563.50	Ca02; Cl02; K01		555.00	556.50	Q301085	1.50	0.037
		Calcite 2; Chlorite 2; Potassic 1		556.50	558.00	Q301086	1.50	0.135
		Moderate to strong pervasive calcitic alteration, moderate fracture-controlled chloritic alteration and weak to locally moderate patchy and vein-controlled potassic alteration.		558.00	559.50	Q301087	1.50	0.026
553.75	558.60	Py02						
		Pyrite 2%						
		1-3% disseminated py associated with patchy potassic alteration.						
558.60	559.20	Vn;30%;Qcc;Ra;;Py00.1;		559.50	561.00	Q301088	1.50	<0.005
		vein (5 mm - 10 cm) 30% quartz-calcite-chlorite random Pyrite 0.1%		561.00	562.50	Q301089	1.50	0.008
		30% qtz/calcite/chlorite +/- k-spar veining with strong potassic alteration and trace py running subparallel tca as well as at 45 dtca.		562.50	564.00	Q301090	1.50	0.012
564.00		**End of DDH**						
		Number of samples: 260						
		Number of QAQC samples: 22						
		Total sampled length: 390.50						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_71A

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Reza Hosseinnejad	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	07/04/2014	Description date:	15/04/2014
		To:	13/04/2014		

Collar

Azimuth: 60.0°
Dip: -50.0°
Length: 555.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,400.500
North	0.0	0.000	5,331,398.430
Elevation	0.0	0.000	338.085

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	60.0°	-50.0°	No	
ReflexEZS	129.00	60.5°	-53.7°	No	Mag = 55516
ReflexEZS	189.00	68.4°	-51.5°	No	Mag = 55372
ReflexEZS	249.00	76.7°	-49.5°	No	Mag = 55084
ReflexEZS	309.00	78.8°	-47.5°	No	Mag = 54233
ReflexEZS	369.00	90.8°	-44.9°	Yes	Mag = 57054
ReflexEZS	432.00	88.3°	-40.5°	No	Mag = 55328
ReflexEZS	492.00	93.3°	-36.3°	No	Mag = 55188
ReflexEZS	552.00	97.0°	-33.3°	No	Mag = 55473

Description

Relogged by Gilles Kamta Start August 29 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	115.90	OVB **Overburden** Casing/Overburden					
115.90	306.00	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Greenish grey fine grained trachyte tuff. The unit is a mixt of trachyte tuff (80%) and trachyte flow (20%). It's foliated 30-45 DTCA or parallel to CA. Whitish mm-cm 'crystals' rounded or elongated strongly altered to calcite are irregulary disseminated The unit is intersect by 0.5-10 cm reddish quartz veins and some calcite veins and veinlets. Alteration consist of strong pervasive calcite alteration, moderate to strong chlorite. The unit is weekly deformed crenulation and C-S structure. Mineralisation consist of traces to 1% euhedral and fine grained pyrite irregulary disseminated.					
115.90	306.00	Ca03; Cl03 **Calcite 3; Chlorite 3** Strong pervasive calcite and chlorite	115.90	117.00	Q301452	1.10	<0.005
115.90	129.00	Fln **Foliation 30°** Moderate to strong pervasive foliation					
115.90	117.00	Py00.1 **Pyrite 0.1%** traces					
117.00	118.50	Py00.1 **Pyrite 0.1%** traces	117.00	118.50	Q301453	1.50	<0.005
118.50	120.00	Py00.1 **Pyrite 0.1%** traces	118.50	120.00	Q301454	1.50	<0.005
120.00	121.50	Py00.1 **Pyrite 0.1%** traces	120.00	121.50	Q301455	1.50	<0.005
121.50	123.00	Py00.1 **Pyrite 0.1%** traces	121.50	123.00	Q301456	1.50	<0.005
123.00	124.50	Py00.1 **Pyrite 0.1%** traces	123.00	124.50	Q301457	1.50	<0.005
124.50	126.00	Py00.1 **Pyrite 0.1%**	124.50	126.00	Q301458	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
126.00	127.50	Py00.1	126.00	127.50	Q301459	1.50	<0.005
		Pyrite 0.1%					
		traces					
127.50	129.00	Py00.1	127.50	129.00	Q301460	1.50	<0.005
		Pyrite 0.1%					
		traces					
129.00	160.00	Fln	129.00	130.50	Q301461	1.50	<0.005
		Foliation 50°					
		moderate to strong pervasive foliation					
129.00	130.50	Py00.1					
		Pyrite 0.1%					
		traces					
130.50	132.00	Py00.1	130.50	132.00	Q301462	1.50	<0.005
		Pyrite 0.1%					
		traces					
132.00	133.50	Py00.1	132.00	133.50	Q301463	1.50	<0.005
		Pyrite 0.1%					
		traces					
133.50	135.00	Py00.1	133.50	135.00	Q301464	1.50	<0.005
		Pyrite 0.1%					
		traces					
135.00	136.50	Py00.1	135.00	136.50	Q301465	1.50	<0.005
		Pyrite 0.1%					
		traces					
136.50	138.00	Py00.1	136.50	138.00	Q301466	1.50	<0.005
		Pyrite 0.1%					
		traces					
138.00	139.50	Py00.1	138.00	139.50	Q301467	1.50	<0.005
		Pyrite 0.1%					
		traces					
139.50	141.00	Py00.1	139.50	141.00	Q301468	1.50	<0.005
		Pyrite 0.1%					
		traces					
141.00	142.50	Py00.1	141.00	142.50	Q301469	1.50	<0.005
		Pyrite 0.1%					
		traces					
142.50	144.00	Py00.1	142.50	144.00	Q301470	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
144.00	145.50	Py00.1	144.00	145.50	Q301471	1.50	<0.005
		Pyrite 0.1%					
		traces					
145.50	147.00	Py00.1	145.50	147.00	Q301472	1.50	<0.005
		Pyrite 0.1%					
		traces					
147.00	148.50	Py00.1	147.00	148.50	Q301473	1.50	<0.005
		Pyrite 0.1%					
		traces					
148.50	150.00	Py00.1	148.50	150.00	Q301474	1.50	<0.005
		Pyrite 0.1%					
		traces					
150.00	151.50	Py00.1	150.00	151.50	Q301477	1.50	<0.005
		Pyrite 0.1%					
		traces					
151.50	153.00	Py00.1	151.50	153.00	Q301478	1.50	<0.005
		Pyrite 0.1%					
		traces					
153.00	154.50	Py00.1	153.00	154.50	Q301479	1.50	<0.005
		Pyrite 0.1%					
		traces					
154.50	156.00	Py00.1	154.50	156.00	Q301480	1.50	0.006
		Pyrite 0.1%					
		traces					
155.75	155.90	Vn;95%;Qcr;In;60°;;					
		vein (5 mm - 10 cm) 95% quartz-carbonate infilled fractures 60°					
		reddish pinkisk quartz carbonate veins 13 cm					
156.00	157.50	Py00.1	156.00	157.50	Q301481	1.50	<0.005
		Pyrite 0.1%					
		traces					
157.50	159.00	Py00.1	157.50	159.00	Q301482	1.50	<0.005
		Pyrite 0.1%					
		traces					
159.00	160.50	Py00.1	159.00	160.50	Q301483	1.50	0.005
		Pyrite 0.1%					
		traces					
160.00	164.35	Fln					
		Foliation 70°					
		Moderate to strong foliation					
160.50	162.00	Py00.1	160.50	162.00	Q301484	1.50	<0.005

		Description	Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
161.50	162.90	Vn;80%;Qcr;In;70°;;					
		vein (5 mm - 10 cm) 80% quartz-carbonate infilled fractures 70°					
		7-10 cm quartz-carbonate infilled viens					
162.00	163.50	Py00.1	162.00	163.50	Q301485	1.50	<0.005
		Pyrite 0.1%					
		traces					
163.20	163.30	Vn;100%;Qcr;In;60°;;					
		vein (5 mm - 10 cm) 100% quartz-carbonate infilled fractures 60°					
		infilled quartz-carbonate 10 cm ankerite veins					
163.50	165.00	Py00.1	163.50	165.00	Q301486	1.50	0.005
		Pyrite 0.1%					
		traces					
163.50	164.40	Vn;50%;Qcr Ca;Sk;;;					
		vein (5 mm - 10 cm) 50% quartz-carbonate calcite stockwork					
		Reddish quartz ankerite veins					
164.35	175.50	Fln; DZ					
		Foliation 5°; Deformation Zone					
		Weak foliation moderate deformed					
164.80	175.50	Vn;15%;Ca;Sk;;;					
		vein (5 mm - 10 cm) 15% calcite stockwork					
		Many veineltes sub // CA and some veins 2-4 cm					
165.00	166.50	Py00.1	165.00	166.50	Q301487	1.50	<0.005
		Pyrite 0.1%					
		traces					
166.50	168.00	Py00.1	166.50	168.00	Q301488	1.50	0.065
		Pyrite 0.1%					
		traces					
168.00	169.50	Py00.1	168.00	169.50	Q301489	1.50	0.028
		Pyrite 0.1%					
		traces					
169.50	171.00	Py00.1	169.50	171.00	Q301490	1.50	<0.005
		Pyrite 0.1%					
		traces					
171.00	172.50	Py00.1	171.00	172.50	Q301491	1.50	<0.005
		Pyrite 0.1%					
		traces					
172.50	174.00	Py00.1	172.50	174.00	Q301492	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
174.00	175.50	Py00.1	174.00	175.50	Q301493	1.50	0.009
		Pyrite 0.1%					
		traces					
175.50	306.00	Fln	175.50	177.00	Q301494	1.50	0.033
		Foliation 50°					
		moderate foliation					
175.50	177.00	Py00.5					
		Pyrite 0.5%					
		traces					
177.00	178.50	Py01	177.00	178.50	Q301495	1.50	0.015
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
178.50	180.00	Py00.5	178.50	180.00	Q301496	1.50	0.009
		Pyrite 0.5%					
		Euhedral and fine grained pyrite					
180.00	181.50	Py00.1	180.00	181.50	Q301497	1.50	<0.005
		Pyrite 0.1%					
		traces					
181.50	183.00	Py00.1	181.50	183.00	Q301498	1.50	0.032
		Pyrite 0.1%					
		traces					
183.00	184.50	Py00.1	183.00	184.50	Q301499	1.50	0.013
		Pyrite 0.1%					
		traces					
184.50	186.00	Py00.1	184.50	186.00	Q301502	1.50	0.007
		Pyrite 0.1%					
		traces					
186.00	187.50	Py00.1	186.00	187.50	Q301503	1.50	<0.005
		Pyrite 0.1%					
		traces					
187.50	189.00	Py00.1	187.50	189.00	Q301504	1.50	0.012
		Pyrite 0.1%					
		fine grained pyrite					
189.00	190.50	Py00.1	189.00	190.50	Q301505	1.50	<0.005
		Pyrite 0.1%					
		traces					
190.50	192.00	Py00.1	190.50	192.00	Q301506	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
192.00	193.50	Py00.1 **Pyrite 0.1%** traces	192.00	193.50	Q301507	1.50	0.013
193.50	195.00	Py00.1 **Pyrite 0.1%** traces	193.50	195.00	Q301508	1.50	<0.005
195.00	196.50	Py00.1 **Pyrite 0.1%** traces	195.00	196.50	Q301509	1.50	0.011
196.50	198.00	Py00.1 **Pyrite 0.1%** traces	196.50	198.00	Q301510	1.50	0.023
198.00	199.50	Py00.1 **Pyrite 0.1%** traces	198.00	199.50	Q301511	1.50	0.013
199.50	201.00	Py00.1 **Pyrite 0.1%** traces	199.50	201.00	Q301512	1.50	0.014
201.00	202.50	Py00.1 **Pyrite 0.1%** traces	201.00	202.50	Q301513	1.50	0.011
202.50	204.00	Py00.1 **Pyrite 0.1%** traces	202.50	204.00	Q301514	1.50	0.008
204.00	205.50	Py00.1 **Pyrite 0.1%** traces	204.00	205.50	Q301515	1.50	0.005
205.50	207.00	Py00.1 **Pyrite 0.1%** traces	205.50	207.00	Q301516	1.50	<0.005
207.00	208.50	Py00.1 **Pyrite 0.1%** traces	207.00	208.50	Q301517	1.50	<0.005
208.50	210.00	Py00.1 **Pyrite 0.1%** traces	208.50	210.00	Q301518	1.50	<0.005
210.00	211.50	Py00.1 **Pyrite 0.1%** traces	210.00	211.50	Q301519	1.50	<0.005
211.50	213.00	Py00.1	211.50	213.00	Q301520	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
213.00	214.50	Py00.1	213.00	214.50	Q301521	1.50	0.023
		Pyrite 0.1%					
		traces					
214.40	215.30	Vn;20%;Qca;Fl;;;					
		vein (5 mm - 10 cm) 20% quartz-calcite flooding					
		pinkish Flooding quartz calcite veins					
214.50	216.00	Py00.1	214.50	216.00	Q301522	1.50	0.016
		Pyrite 0.1%					
		traces					
216.00	217.50	Py00.1	216.00	217.50	Q301523	1.50	0.017
		Pyrite 0.1%					
		traces					
217.50	219.00	Py00.1	217.50	219.00	Q301524	1.50	0.011
		Pyrite 0.1%					
		traces					
219.00	220.50	Py00.1	219.00	220.50	Q301527	1.50	0.008
		Pyrite 0.1%					
		traces					
220.50	222.00	Py00.1	220.50	222.00	Q301528	1.50	0.006
		Pyrite 0.1%					
		traces					
222.00	223.50	Py00.1	222.00	223.50	Q301529	1.50	0.006
		Pyrite 0.1%					
		traces					
223.50	225.00	Py00.1	223.50	225.00	Q301530	1.50	0.006
		Pyrite 0.1%					
		traces					
225.00	226.50	Py00.1	225.00	226.50	Q301531	1.50	0.007
		Pyrite 0.1%					
		traces					
226.50	228.00	Py00.1	226.50	228.00	Q301532	1.50	<0.005
		Pyrite 0.1%					
		traces					
228.00	229.50	Py00.1	228.00	229.50	Q301533	1.50	0.007
		Pyrite 0.1%					
		traces					
229.50	231.00	Py00.1	229.50	231.00	Q301534	1.50	0.007
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
231.00	232.50	Py00.1	231.00	232.50	Q301535	1.50	0.005
		Pyrite 0.1%					
		traces					
232.50	234.00	Py00.1	232.50	234.00	Q301536	1.50	0.007
		Pyrite 0.1%					
		traces					
234.00	235.50	Py00.1	234.00	235.50	Q301537	1.50	0.005
		Pyrite 0.1%					
		traces					
235.50	237.00	Py00.1	235.50	237.00	Q301538	1.50	0.017
		Pyrite 0.1%					
		traces					
237.00	238.50	Py00.1	237.00	238.50	Q301539	1.50	0.007
		Pyrite 0.1%					
		traces					
238.50	240.00	Py00.1	238.50	240.00	Q301540	1.50	0.005
		Pyrite 0.1%					
		traces					
240.00	241.50	Py00.1	240.00	241.50	Q301541	1.50	0.007
		Pyrite 0.1%					
		traces					
241.50	243.00	Py00.1	241.50	243.00	Q301542	1.50	0.011
		Pyrite 0.1%					
		traces					
243.00	244.50	Py00.1	243.00	244.50	Q301543	1.50	0.011
		Pyrite 0.1%					
		traces					
244.50	246.00	Py00.1	244.50	246.00	Q301544	1.50	0.005
		Pyrite 0.1%					
		traces					
246.00	247.50	Py00.1	246.00	247.50	Q301545	1.50	0.009
		Pyrite 0.1%					
		traces					
247.50	249.00	Py00.1	247.50	249.00	Q301546	1.50	0.007
		Pyrite 0.1%					
		traces					
249.00	250.50	Py00.1	249.00	250.50	Q301547	1.50	0.007
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
250.50	252.00	Py00.1 **Pyrite 0.1%** traces	250.50	252.00	Q301548	1.50	0.009
252.00	253.50	Py00.1 **Pyrite 0.1%** traces	252.00	253.50	Q301549	1.50	0.012
253.50	255.00	Py00.1 **Pyrite 0.1%** traces	253.50	255.00	Q301552	1.50	<0.005
255.00	256.50	Py00.1 **Pyrite 0.1%** traces	255.00	256.50	Q301553	1.50	<0.005
256.50	258.00	Py00.1 **Pyrite 0.1%** traces	256.50	258.00	Q301554	1.50	<0.005
258.00	259.50	Py00.1 **Pyrite 0.1%** traces	258.00	259.50	Q301555	1.50	<0.005
259.50	261.00	Py00.1 **Pyrite 0.1%** traces	259.50	261.00	Q301556	1.50	<0.005
261.00	262.50	Py00.1 **Pyrite 0.1%** traces	261.00	262.50	Q301557	1.50	0.018
262.50	264.00	Py00.1 **Pyrite 0.1%** traces	262.50	264.00	Q301558	1.50	0.01
264.00	265.50	Py00.1 **Pyrite 0.1%** traces	264.00	265.50	Q301559	1.50	<0.005
265.50	267.00	Py00.1 **Pyrite 0.1%** traces	265.50	267.00	Q301560	1.50	<0.005
267.00	268.50	Py00.1 **Pyrite 0.1%** traces	267.00	268.50	Q301561	1.50	<0.005
268.50	270.00	Py00.1 **Pyrite 0.1%** traces	268.50	270.00	Q301562	1.50	<0.005
270.00	271.50	Py00.1	270.00	271.50	Q301563	1.50	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
271.50	273.00	Py00.1	271.50	273.00	Q301564	1.50	0.01
		Pyrite 0.1%					
		traces					
273.00	274.50	Py00.1	273.00	274.50	Q301565	1.50	0.005
		Pyrite 0.1%					
		traces					
274.50	276.00	Py00.1	274.50	276.00	Q301566	1.50	0.008
		Pyrite 0.1%					
		traces					
276.00	277.50	Py0/.1	276.00	277.50	Q301567	1.50	0.013
		Pyrite 0/.1					
		traces					
277.50	279.00	Py00.1	277.50	279.00	Q301568	1.50	0.016
		Pyrite 0.1%					
		traces					
279.00	280.50	Py00.1	279.00	280.50	Q301569	1.50	0.016
		Pyrite 0.1%					
		traces					
280.50	282.00	Py00.1	280.50	282.00	Q301570	1.50	0.018
		Pyrite 0.1%					
		traces					
282.00	283.50	Py00.1	282.00	283.50	Q301571	1.50	0.021
		Pyrite 0.1%					
		traces					
283.50	285.00	Py00.1	283.50	285.00	Q301572	1.50	0.021
		Pyrite 0.1%					
		traces					
285.00	286.50	Py00.1	285.00	286.50	Q301573	1.50	0.022
		Pyrite 0.1%					
		traces					
286.50	288.00	Py00.1	286.50	288.00	Q301574	1.50	0.033
		Pyrite 0.1%					
		traces					
288.00	289.50	Py00.1	288.00	289.50	Q301577	1.50	0.042
		Pyrite 0.1%					
		traces					
289.50	291.00	Py00.1	289.50	291.00	Q301578	1.50	0.023
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
291.00	292.50	Py00.1	291.00	292.50	Q301579	1.50	0.019
		Pyrite 0.1%					
		traces					
292.50	380.00	Py00.1	292.50	294.00	Q301580	1.50	0.027
		Pyrite 0.1%					
		traces					
293.00	306.00	V9; Tuff;	294.00	295.50	Q301581	1.50	0.005
		Tuff; TUFF;	295.50	297.00	Q301582	1.50	<0.005
		Dark grey to blackish color, aphenetic or very fine grained texture. Strongly magnetic and calcareous. It	297.00	298.50	Q301583	1.50	<0.005
		seems this unit is mixed with above tuffaceous unit.10% quartz-calcite-hematite veinlets and small veins ;	298.50	300.00	Q301584	1.50	<0.005
		Qz-Calcite-Ankerite- hematite crosscutting or parallel folded low angle veins.	300.00	301.50	Q301585	1.50	<0.005
			301.50	303.00	Q301586	1.50	0.009
			303.00	304.50	Q301587	1.50	0.015
			304.50	306.00	Q301588	1.50	0.007
306.00	310.60	4U; Aph; BBC					
		Ultramafic 30°; APHANITIC; Broken Blocky Core					
		Dark grey, aphanitic, highly fractured, soft, moderate to strong magnetism, weakly altered to talc, altered to					
		dark chlorite, traces of pyrite. the unit seen to be a transition zone.					
306.00	310.60	Cl03; Talc01					
		Chlorite 3; Talc 1					
		dark chlorite, weal talc					
306.00	312.60	FAZ; Gg	306.00	307.50	Q301589	1.50	<0.005
		Fault Zone 60°; Fault gouge	307.50	309.00	Q301590	1.50	<0.005
		Fault zone with broken core, greenish fault gouge.	309.00	310.50	Q301591	1.50	<0.005
			310.50	312.00	Q301592	1.50	0.005
310.60	344.75	MI; 3D; Phan					
		Mafic Intrusion 50°; Diabase; PHANERITIC					
		Dark grey spotty withish or pinkish mafic intrusion(Diabase). The unit is coarse grained texture with sub					
		euhedral shaped feldspath crystals in a finer matrix of The unit is strongly to moderately magnetite, It's					
		mineralized trace pyrite and chalcopyrite.					
310.60	344.75	Cl03; Cl02	312.00	313.50	Q301593	1.50	<0.005
		Chlorite 3; Chlorite 2	313.50	342.40	MU14_71A_313.50_3	28.90	
		strong dark chlorite, moderate calcite locally spotty weak			42.40		

Description			Assay				
			From	To	Sample number	Length	AuBest
333.75	333.77	Gg	342.40	344.00	Q301594	1.60	<0.005
		Fault gouge 50°	344.00	345.00	Q301595	1.00	<0.005
		Dark green fault gouge					
344.75	370.50	4U; Aph; BBC					
		Ultramafic 50°; APHANITIC; Broken Blocky Core					
		Dark grey aphanitc ultramafic, the unit is altered to calcite and weakly talky. It is cut by somes of calcite veins and veinlets. It is very soft and some serpentionisation. The unit is strongly magnetic. It's mineralized trace of pyrite.					
344.75	380.50	Cl03; Ca02; Talc01	345.00	346.50	Q301596	1.50	<0.005
		Chlorite 3; Calcite 2; Talc 1	346.50	348.00	Q301597	1.50	<0.005
		Altered to dark chlorite, moderate calcite, weak talc	348.00	349.50	Q301598	1.50	<0.005
			349.50	351.00	Q301599	1.50	<0.005
350.00	350.15	Gg	351.00	352.50	Q301602	1.50	<0.005
		Fault gouge 40°	352.50	354.00	Q301603	1.50	<0.005
		greenis fualt gouge	354.00	355.50	Q301604	1.50	<0.005
			355.50	357.00	Q301605	1.50	<0.005
			357.00	358.50	Q301606	1.50	<0.005
357.90	358.00	Gg	358.50	360.00	Q301607	1.50	<0.005
		Fault gouge 60°	360.00	361.50	Q301608	1.50	<0.005
		grennish fault gouge	361.50	363.00	Q301609	1.50	<0.005
			363.00	364.50	Q301610	1.50	<0.005
			364.50	366.00	Q301611	1.50	<0.005
			366.00	367.50	Q301612	1.50	<0.005
			367.50	369.00	Q301613	1.50	<0.005
367.90	367.96	Gg	369.00	370.50	Q301614	1.50	0.005
		Fault gouge 45°					
		SLICKENSIDE GOUGE FAULT CROSS @ 45 DTCA					
369.10	478.25	V4; Tuff;					
		Trachyte; TUFF;					
		Grey to black in colour and to brown or rust-red due to oxidation of its mafic. Moderatly magnetic and mineralized by dust pyrite up 0.3%.This interval is mixed mafic trachyte and mafic tuff. The foliation somewhere fade and rock become more massive and fine grained.					
370.50	489.45	V4	370.50	372.00	Q301615	1.50	<0.005
		Trachyte 50°	372.00	373.50	Q301616	1.50	<0.005
		Grey spotty pink fine grained trachyte flow. localized weak breccia, the unit is moderately magnetic an altered to calcite (veins), modertate to strong spotty potassic alteration. In the down hole the color become grey to black in colour and to brown or rust-red due to oxidation. Moderatly magnetic and mineralized by dust pyrite up	373.50	375.00	Q301617	1.50	<0.005
			375.00	376.50	Q301618	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
		0.3%.Somewhere the interval is mixed by trachyte flow 80% and trachte tuff 20%. Intermittently foliation fade	376.50	378.00	Q301619	1.50	<0.005
		and rock become more massive and fine grained.	378.00	379.50	Q301620	1.50	0.035
		From 344.75-370.50 and 478.5-481.30 A narrow unit with grey black matrix conations 15% phenose lapilli look	379.50	381.00	Q301621	1.50	0.049
		like porpyritic texture. The pheoes overprinted by weakly clorite and calcite This interval deformed wth calcite					
		oriented at 40 dtca and 2-4mm thick.The rock strongly magnetic and calcareous. No mineralization present.					
380.00	423.00	Py00.4					
		Pyrite 0.4%					
		fine grained pyrite veinlets					
380.50	484.45	Ca02; Cl02; K01; Se01	381.00	382.50	Q301622	1.50	<0.005
		Calcite 2; Chlorite 2; Potassic 1; Sericite 1	382.50	384.00	Q301623	1.50	0.005
		Altered to dark chlorite, moderate calcite,weak isolated sericite and potassic in the quartz veins.	384.00	385.50	Q301624	1.50	<0.005
			385.50	387.00	Q301627	1.50	<0.005
			387.00	388.50	Q301628	1.50	<0.005
			388.50	390.00	Q301629	1.50	<0.005
389.53	389.57	Vn;90%;Ca Qcl;Vc;90°;;	390.00	391.50	Q301630	1.50	<0.005
		vein (5 mm - 10 cm) 90% calcite quartz-chlorite vein cross-cutting foliation 90°	391.50	393.00	Q301631	1.50	<0.005
		A CALCITE-QUARTZ_CHLORITE VEIN CROSSCUTTING @ 90 DTCA	393.00	394.50	Q301632	1.50	<0.005
			394.50	396.00	Q301633	1.50	<0.005
			396.00	397.50	Q301634	1.50	<0.005
			397.50	399.00	Q301635	1.50	<0.005
			399.00	400.50	Q301636	1.50	<0.005
			400.50	402.00	Q301637	1.50	<0.005
			402.00	403.50	Q301638	1.50	<0.005
			403.50	405.00	Q301639	1.50	<0.005
405.00	410.30	Vn;10%;Qac;St;;Py00.1;	405.00	406.50	Q301640	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite stringers Pyrite 0.1%	406.50	408.00	Q301641	1.50	<0.005
		pinkish quartz-ankerite-chlorite veins and veinlets.	408.00	409.50	Q301642	1.50	<0.005
			409.50	411.00	Q301643	1.50	0.025
410.30	410.50	Vn;40%;Qac;In;;;	411.00	412.50	Q301644	1.50	0.01
		vein (5 mm - 10 cm) 40% quartz-ankerite-chlorite infilled fractures	412.50	414.00	Q301645	1.50	<0.005
		Pinkish quartz-ankerite-chlorite infilled fractures	414.00	415.50	Q301646	1.50	0.005
			415.50	417.00	Q301647	1.50	<0.005
416.40	417.10	Vn;75%;Qac;In;;;	417.00	418.50	Q301648	1.50	<0.005
		vein (5 mm - 10 cm) 75% quartz-ankerite-chlorite infilled fractures					
		A series of irregular pinkish feldspar 40% grey quartz 35% and whitish ankerite 25% veins and veinltes					
		cross the unit .					

Description			Assay				
			From	To	Sample number	Length	AuBest
417.10	417.50	Vn;65%;Qcc;In;;; **vein (5 mm - 10 cm) 65% quartz-calcite-chlorite infilled fractures** A series of pinkish quartz-ankerite-feldspar and minor calcite infilled the fractures randomly.	418.50	420.00	Q301649	1.50	<0.005
419.36	419.50	Vn;60%;Qcc;In;;; **vein (5 mm - 10 cm) 60% quartz-calcite-chlorite infilled fractures** A series of pinkish quartz-calcite-feldspar and minor chlorite infilled the fractures randomly.Thereis no mineralization associated with this veins.	420.00	421.50	Q301652	1.50	<0.005
			421.50	423.00	Q301653	1.50	<0.005
422.60	445.00	Vn;45;Qcc;In;;; **vein (5 mm - 10 cm) 45 quartz-calcite-chlorite infilled fractures** A series of pinkish quartz-calcite-feldspar and minor chlorite infilled the fractures randomly.Thereis no mineralization associated with this veins.					
423.00	555.00	Py00.01 **Pyrite 0.01%** Trace	423.00	424.50	Q301654	1.50	<0.005
			424.50	426.00	Q301655	1.50	<0.005
			426.00	427.50	Q301656	1.50	0.007
			427.50	429.00	Q301657	1.50	<0.005
			429.00	430.50	Q301658	1.50	<0.005
			430.50	432.00	Q301659	1.50	<0.005
			432.00	433.50	Q301660	1.50	<0.005
			433.50	435.00	Q301661	1.50	<0.005
			435.00	436.50	Q301662	1.50	<0.005
			436.50	438.00	Q301663	1.50	<0.005
			438.00	439.50	Q301664	1.50	<0.005
439.50	442.50	V4 **Trachyte** Grey black matrix conations 15% phenoes lapilli look like porphyritic texture. The phenoes overprinted by weakly chlorite and calcite. This interval deformed with calcite oriented at 40dtca and 2-4mm thick. The rock is strongly magnetic and calcareous. No mineralization present.	439.50	441.00	Q301665	1.50	<0.005
			441.00	442.50	Q301666	1.50	<0.005
			442.50	444.00	Q301667	1.50	<0.005
			444.00	445.50	Q301668	1.50	<0.005
			445.50	447.00	Q301669	1.50	0.005
			447.00	448.50	Q301670	1.50	<0.005
			448.50	450.00	Q301671	1.50	<0.005
			450.00	451.50	Q301672	1.50	<0.005
			451.50	453.00	Q301673	1.50	<0.005
			453.00	454.50	Q301674	1.50	<0.005
			454.50	456.00	Q301677	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			456.00	457.50	Q301678	1.50	<0.005
			457.50	459.00	Q301679	1.50	<0.005
			459.00	460.50	Q301680	1.50	<0.005
			460.50	462.00	Q301681	1.50	<0.005
			462.00	463.50	Q301682	1.50	<0.005
			463.50	465.00	Q301683	1.50	<0.005
			465.00	466.50	Q301684	1.50	<0.005
			466.50	468.00	Q301685	1.50	<0.005
			468.00	469.50	Q301686	1.50	<0.005
			469.50	471.00	Q301687	1.50	0.007
			471.00	472.50	Q301688	1.50	0.005
472.20	475.00	Vn;35%;Qcc;In;;;	472.50	474.00	Q301689	1.50	0.007
		vein (5 mm - 10 cm) 35% quartz-calcite-chlorite infilled fractures	474.00	475.50	Q301690	1.50	0.012
		A series of pinkish quartz-calcite-feldspar and minor chlorite infilled the fractures randomly.Thereis no mineralization associated with this veins.	475.50	477.00	Q301691	1.50	0.017
			477.00	478.50	Q301692	1.50	0.014
478.25	481.90	V9; LapTuff;					
		Tuff; LAPILLI TUFF/AGGLOMERATE;					
		Grey black matrix conations 15% lapiliy calcareous phenose. This interval deformed wth calcite oriented at 40dtca and 2-4mm thick.The rock strongly magnetic and calcareous. No mineralization present.					
478.25	481.90	V4	478.50	480.00	Q301693	1.50	0.005
		Trachyte	480.00	481.50	Q301694	1.50	0.007
		A narrow unit with grey black matrix conations 15% phenoes lapilli look like porphyritic texture. The phenoes overprinted by weakly chlorite and calcite. This interval deformed with calcite oriented at 40dtca and 2-4mm thick. The rock is strongly magnetic and calcareous. No mineralization present.					
480.10	480.70	Vn;80%;Qcc;In;;;	481.50	483.00	Q301695	1.50	0.011
		vein (5 mm - 10 cm) 80% quartz-calcite-chlorite infilled fractures					
		A series of pinkish quartz-calcite-feldspar and minor chlorite infilled the fractures randomly.Thereis no mineralization associated with this veins.					
481.90	555.00	V4; Tuff;	483.00	484.50	Q301696	1.50	0.02
		Trachyte; TUFF;	484.50	486.00	Q301697	1.50	<0.005
		This interval is mixed by lapilli tuff trachyte tuff. Somewhere shows deformation. The foliation according to unit is variable from 0-40 dtca. Grey color and fine grained, strongly calcareous and magnetic. No mineralization present.	486.00	487.50	Q301698	1.50	<0.005
			487.50	489.00	Q301699	1.50	0.017
			489.00	490.50	Q301702	1.50	0.01
			490.50	492.00	Q301703	1.50	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	492.00	493.50	Q301704	1.50	<0.005
	493.50	495.00	Q301705	1.50	<0.005
	495.00	496.50	Q301706	1.50	0.005
	496.50	498.00	Q301707	1.50	<0.005
	498.00	499.50	Q301708	1.50	<0.005
	499.50	501.00	Q301709	1.50	<0.005
	501.00	502.50	Q301710	1.50	<0.005
	502.50	504.00	Q301711	1.50	0.008
	504.00	505.50	Q301712	1.50	0.008
	505.50	507.00	Q301713	1.50	0.005
	507.00	508.50	Q301714	1.50	0.006
	508.50	510.00	Q301715	1.50	0.006
	510.00	511.50	Q301716	1.50	0.015
	511.50	513.00	Q301717	1.50	0.02
	513.00	514.50	Q301718	1.50	0.006
	514.50	516.00	Q301719	1.50	<0.005
	516.00	517.50	Q301720	1.50	<0.005
	517.50	519.00	Q301721	1.50	0.006
	519.00	520.50	Q301722	1.50	0.017
	520.50	522.00	Q301723	1.50	0.01
	522.00	523.50	Q301724	1.50	<0.005
	523.50	525.00	Q301727	1.50	0.012
	525.00	526.50	Q301728	1.50	0.013
	526.50	528.00	Q301729	1.50	0.009
	528.00	529.50	Q301730	1.50	0.008
	529.50	531.00	Q301731	1.50	0.005
	531.00	532.50	Q301732	1.50	0.006
	532.50	534.00	Q301733	1.50	0.008
	534.00	535.50	Q301734	1.50	0.009
	535.50	537.00	Q301735	1.50	0.007
	537.00	538.50	Q301736	1.50	0.006
	538.50	540.00	Q301737	1.50	<0.005
	540.00	541.50	Q301738	1.50	0.006
	541.50	543.00	Q301739	1.50	0.012

Description	Assay				
	From	To	Sample number	Length	AuBest
	543.00	544.50	Q301740	1.50	0.014
	544.50	546.00	Q301741	1.50	0.011
	546.00	547.50	Q301742	1.50	0.01
	547.50	549.00	Q301743	1.50	0.009
	549.00	550.50	Q301744	1.50	0.009
	550.50	552.00	Q301745	1.50	0.008
	552.00	553.50	Q301746	1.50	0.01
	553.50	555.00	Q301747	1.50	0.011
555.00	**End of DDH**				
	Number of samples: 275				
	Number of QAQC samples: 22				
	Total sampled length: 439.10				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_72

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place:

Drilled by: Major
Described by: M. Fell

From: 28/03/2014
To: 03/04/2014

Description date: 08/11/2014

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 166.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,580.000
North	0.0	0.000	5,331,800.000
Elevation	0.0	0.000	342.000

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	

Description

Core size: NQ
Cemented: No
Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	166.00	OVB **Overburden** .					
166.00		**End of DDH** **Number of samples: 0** **Number of QAQC samples: 0** **Total sampled length: 0.00**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_73

Drilled by:	Major	Claims title:	L9691	Section:	
Described by:	Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	01/04/2014	Description date:	09/04/2014
		To:	06/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 461.92 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,678.696
North	0.0	0.000	5,332,016.069
Elevation	0.0	0.000	342.849

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	90.00	2.3°	-52.1°	No	Mag = 55028
ReflexEZS	150.00	2.8°	-51.7°	No	Mag = 53888
ReflexEZS	210.00	1.7°	-52.6°	No	Mag = 56035
ReflexEZS	270.00	1.2°	-52.7°	No	Mag = 55146
ReflexEZS	330.00	1.2°	-53.6°	No	Mag = 55479
ReflexEZS	399.00	1.3°	-54.0°	No	Mag = 55237
ReflexEZS	459.00	3.9°	-51.5°	No	Mag = 54311

Description

Re-Logged in July 2014 by Ciara Cooke.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	50.00	OVB **Overburden** Casing and overburden.					
50.00	461.92	V4; Tuff **Trachyte; TUFF** Med to dk green trachy-basalt. Very fg tuffaceous unit. Dominantly chloritized with interstitial carbonate alteration and selective sericite. Moderate pervasive magnetism. Weak selective hematite staining emanating from conc hematite veins with accessory calcite. Isolated patches of weak epidote within selected vein alteration halos. Weak to moderate intermittent foliation with localized development of small scale S-C fabric. Selected faut zones with brecciation and gouge. Pink calcite veining with qtz and isolated hematite as well as dk green chl. Isolated ankeritic veining. Trace to locally 0.1 pct of very fg disseminated py. Isolated traces of vein controlled chalcopyrite.	50.00	51.00	Q288939	1.00	0.005
			51.00	52.50	Q288940	1.50	<0.005
			52.50	54.00	Q288941	1.50	<0.005
			54.00	55.50	Q288942	1.50	0.007
			55.50	57.00	Q288943	1.50	<0.005
			57.00	58.50	Q288944	1.50	<0.005
			58.50	60.00	Q288945	1.50	<0.005
			60.00	61.50	Q288946	1.50	<0.005
50.00	78.40	Cl03; Mgt02; Ca01; Ank01; K01 **Chlorite 3; Magnetite 2; Calcite 1; Ankerite 1; Potassic 1** Strong pervasive chloritization. Moderate pervasive magnetism. Weak interstitial calcite. Isolated traces of weak to moderate ankerite - oxidized where core was exposed to elements. Isolated patches of weak potassic alteration.					
50.00	57.00	Py00.1 **Pyrite 0.1%** Very fg disseminated py.					
50.00	152.30	Vn;2%;Qca;Vc;;; **vein (5 mm - 10 cm) 2% quartz-calcite vein cross-cutting foliation** Pinky-white calcite veining with selective pinky translucent qtz. Typically veins are straight and cross-cutting foliation with few folded within fabric of wall rock.					
61.50	64.50	Py00.1 **Pyrite 0.1%** Very fg disseminated py.	61.50	63.00	Q288947	1.50	<0.005
			63.00	64.50	Q288948	1.50	<0.005
			64.50	66.00	Q288949	1.50	<0.005
			66.00	67.50	Q288952	1.50	<0.005
			67.50	69.00	Q288953	1.50	<0.005
			69.00	70.50	Q288954	1.50	<0.005
			70.50	72.00	Q288955	1.50	0.006
			72.00	73.50	Q288956	1.50	0.011
			73.50	75.00	Q288957	1.50	0.009
			75.00	76.50	Q288958	1.50	<0.005
			76.50	78.00	Q288959	1.50	0.007
			78.00	79.50	Q288960	1.50	<0.005
78.40	95.50	Cl02; Ank02; Mgt02; Se01 **Chlorite 2; Ankerite 2; Magnetite 2; Sericite 1**	79.50	81.00	Q288961	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate selective chl alteration. Moderate selective ankerite alteration - oxidized where core has been exposed to elements. Moderate pervasive magnetism. Weak interstitial sericite. Traces of vein controlled calcite.	81.00	82.50	Q288962	1.50	0.017
			82.50	84.00	Q288963	1.50	<0.005
			84.00	85.50	Q288964	1.50	<0.005
			85.50	87.00	Q288965	1.50	<0.005
			87.00	88.50	Q288966	1.50	<0.005
			88.50	90.00	Q288967	1.50	<0.005
			90.00	91.50	Q288968	1.50	<0.005
			91.50	93.00	Q288969	1.50	<0.005
93.00	94.50	Py00.1	93.00	94.50	Q288970	1.50	<0.005
		Pyrite 0.1%	94.50	96.00	Q288971	1.50	<0.005
		Very fg disseminated py.					
95.50	176.50	Cl03; Mgt02; Ca02; Se02; Ank01	96.00	97.50	Q288972	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2; Sericite 2; Ankerite 1	97.50	99.00	Q288973	1.50	<0.005
		Strong chloritization. Moderate pervasive magnetism. Weak to moderate interstitial calcite alteration with selective weak interstitial ankerite. Few zones of moderate interstitial sericite with a corresponding weakening of chl at 101.5 to 104.5m and 137 to 138m.	99.00	100.50	Q288974	1.50	<0.005
			100.50	102.00	Q288977	1.50	0.007
			102.00	103.50	Q288978	1.50	0.005
			103.50	105.00	Q288979	1.50	0.005
			105.00	106.50	Q288980	1.50	<0.005
			106.50	108.00	Q288981	1.50	0.005
			108.00	109.50	Q288982	1.50	<0.005
			109.50	111.00	Q288983	1.50	<0.005
			111.00	112.50	Q288984	1.50	0.006
			112.50	114.00	Q288985	1.50	<0.005
			114.00	115.50	Q288986	1.50	<0.005
			115.50	117.00	Q288987	1.50	<0.005
			117.00	118.50	Q288988	1.50	0.005
			118.50	120.00	Q288989	1.50	<0.005
			120.00	121.50	Q288990	1.50	<0.005
			121.50	123.00	Q288991	1.50	<0.005
			123.00	124.50	Q288992	1.50	<0.005
			124.50	126.00	Q288993	1.50	<0.005
			126.00	127.50	Q288994	1.50	<0.005
			127.50	129.00	Q288995	1.50	0.006
129.00	130.50	Cp00.1	129.00	130.50	Q288996	1.50	<0.005
		Chalcopyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trace belbs of vein controlled chalcopyrite.	130.50	132.00	Q288997	1.50	0.009
			132.00	133.50	Q288998	1.50	0.007
			133.50	135.00	Q288999	1.50	0.01
			135.00	136.50	Q208002	1.50	0.008
			136.50	138.00	Q208003	1.50	0.006
			138.00	139.50	Q208004	1.50	0.005
			139.50	141.00	Q208005	1.50	0.005
			141.00	142.50	Q208006	1.50	0.006
			142.50	144.00	Q208007	1.50	0.01
			144.00	145.50	Q208008	1.50	0.009
			145.50	147.00	Q208009	1.50	0.005
			147.00	148.50	Q208010	1.50	0.007
			148.50	150.00	Q208011	1.50	<0.005
			150.00	151.50	Q208012	1.50	<0.005
			151.50	153.00	Q208013	1.50	<0.005
152.30	163.50	Vn;3%;Qcc;Ra;;;	153.00	154.50	Q208014	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite random	154.50	156.00	Q208015	1.50	<0.005
		Pinky to greyish calcite-qtz and dk green chl veining. Cross-cutting as well as folded within fabric of wall	156.00	157.50	Q208016	1.50	<0.005
		rock. Incl of deep red hematite.	157.50	159.00	Q208017	1.50	0.01
			159.00	160.50	Q208018	1.50	0.012
			160.50	162.00	Q208019	1.50	<0.005
			162.00	163.50	Q208020	1.50	<0.005
163.50	179.20	Vn;1%;Qca;Ra;;;	163.50	165.00	Q208021	1.50	0.008
		vein (5 mm - 10 cm) 1% quartz-calcite random	165.00	166.50	Q208022	1.50	<0.005
		White to pale pink calcite-qtz veining.	166.50	168.00	Q208023	1.50	<0.005
			168.00	169.50	Q208024	1.50	<0.005
			169.50	171.00	Q208027	1.50	0.007
			171.00	172.50	Q208028	1.50	0.008
			172.50	174.00	Q208029	1.50	0.006
			174.00	175.50	Q208030	1.50	<0.005
			175.50	177.00	Q208031	1.50	<0.005
176.50	190.00	Ank02; Cl02; Mgt02; Se01	177.00	178.50	Q208032	1.50	<0.005
		Ankerite 2; Chlorite 2; Magnetite 2; Sericite 1	178.50	180.00	Q208033	1.50	<0.005
		Moderate selective ankerite. Moderate interstitial chl with isolated sericite. Moderate pervasive	180.00	181.50	Q208034	1.50	0.005
		magnetite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			181.50	183.00	Q208035	1.50	<0.005
182.00	182.60	Vn;10%;Qak;Ra;;; **vein (5 mm - 10 cm) 10% quartz-ankerite random** Yellowy-white qtz-ankerite vein.					
182.60	212.90	Vn;1%;Qca;Ra;;;	183.00	184.50	Q208036	1.50	0.006
		vein (5 mm - 10 cm) 1% quartz-calcite random	184.50	186.00	Q208037	1.50	<0.005
		Chalky-greyish-white to pinky-red calcite-qtz veining with selected incl of hematite. Isolated cpy.					
185.37	322.54	V4; Aph;	186.00	187.50	Q208038	1.50	<0.005
		Trachyte; APHANITIC;	187.50	189.00	Q208039	1.50	0.006
		Dark green grey fine grained massive trachyte. Weak to moderate pervasive calcitic alteration with 3% calcite +/- qtz veining. Weak to moderate chloritic alteration. Moderately magnetic. Fault zone from 185.37-188.8m with common chlorite slips some minor in situ brecciation with ankerite fracture fill but no gouge. 287.3-293.2m fault zone with 2-3cm wide gouge at 287.4m (angle not preserved) with breccia bookends with ankerite fracture fill/cement and trace cpy. 292.8m two minor (3cm wide) faults (gouge) at 40 deg tca Trace to 2% disseminated py with rare py stringers.271.7-272m broken blocky core with 1cm wide ankerite/qtz vein with galena and cpy.					
189.00	190.50	Cp00.1 **Chalcopyrite 0.1%** Isolated blob of chalcopyrite within calcite vein.	189.00	190.50	Q208040	1.50	0.006
190.00	211.00	Cl03; Mgt02; Ca02; He01 **Chlorite 3; Magnetite 2; Calcite 2; Hematite 1** Strong pervasive chloritization. Moderate pervasive magnetite. Moderate pervasive-interstitial calcite. Traces of weak hematite staining.	190.50	192.00	Q208041	1.50	<0.005
			192.00	193.50	Q208042	1.50	<0.005
			193.50	195.00	Q208043	1.50	<0.005
			195.00	196.50	Q208044	1.50	0.007
			196.50	198.00	Q208045	1.50	0.005
			198.00	199.50	Q208046	1.50	<0.005
			199.50	201.00	Q208047	1.50	<0.005
			201.00	202.50	Q208048	1.50	<0.005
202.50	205.50	Py00.1 **Pyrite 0.1%** Fg disseminated py.	202.50	204.00	Q208049	1.50	<0.005
			204.00	205.50	Q208052	1.50	0.005
			205.50	207.00	Q208053	1.50	<0.005
			207.00	208.50	Q208054	1.50	0.008
			208.50	210.00	Q208055	1.50	<0.005
			210.00	211.50	Q208056	1.50	<0.005
211.00	250.00	Cl03; Mgt02; Ca02; He02 **Chlorite 3; Magnetite 2; Calcite 2; Hematite 2** Strong chloritization with pervasive magnetism. Moderate selective interstitial calcite alteration. Vein controlled hematite and emanating pink to reddish staining.	211.50	213.00	Q208057	1.50	<0.005
212.90	214.10	Vn;65%;Qcc;Vn;;;	213.00	214.50	Q208058	1.50	<0.005
		vein (5 mm - 10 cm) 65% quartz-calcite-chlorite vein parallel to foliation					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pinky-red to white-grey qtz-calcite veining with incl of hematite and dk green chl. Few late stage calcite veinlets cross-cutting larger veining.					
214.10	263.00	Vn;3%;Qcc;Ra;;;	214.50	216.00	Q208059	1.50	0.009
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite random	216.00	217.50	Q208060	1.50	<0.005
		Greyish to pinky-red calcite veining with selective qtz and hematite. Isolated incl of dk green chl.	217.50	219.00	Q208061	1.50	<0.005
			219.00	220.50	Q208062	1.50	<0.005
			220.50	222.00	Q208063	1.50	<0.005
			222.00	223.50	Q208064	1.50	<0.005
			223.50	225.00	Q208065	1.50	<0.005
			225.00	226.50	Q208066	1.50	<0.005
			226.50	228.00	Q208067	1.50	<0.005
			228.00	229.50	Q208068	1.50	<0.005
			229.50	231.00	Q208069	1.50	<0.005
			231.00	232.50	Q208070	1.50	<0.005
232.50	234.00	Py00.1	232.50	234.00	Q208071	1.50	<0.005
		Pyrite 0.1%	234.00	235.50	Q208072	1.50	<0.005
		Eu-subhedral isolated grains of f-mg py.	235.50	237.00	Q208073	1.50	<0.005
			237.00	238.50	Q208074	1.50	0.006
			238.50	240.00	Q208077	1.50	<0.005
			240.00	241.50	Q208078	1.50	<0.005
			241.50	243.00	Q208079	1.50	<0.005
			243.00	244.50	Q208080	1.50	<0.005
			244.50	246.00	Q208081	1.50	<0.005
			246.00	247.50	Q208082	1.50	<0.005
			247.50	249.00	Q208083	1.50	<0.005
			249.00	250.50	Q208084	1.50	<0.005
250.00	270.00	Cl03; Mgt02; Ca02; He02; Ep01	250.50	252.00	Q208085	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2; Hematite 2; Epidote 1	252.00	253.50	Q208086	1.50	<0.005
		Strong chloritization with pervasive magnetism. Moderate selective interstitial calcite alteration. Vein controlled hematite and emanating pink to reddish staining. Isolated patches of interstitial epidote - vein alteration halos.	253.50	255.00	Q208087	1.50	<0.005
			255.00	256.50	Q208088	1.50	<0.005
			256.50	258.00	Q208089	1.50	<0.005
			258.00	259.50	Q208090	1.50	<0.005
			259.50	261.00	Q208091	1.50	<0.005
			261.00	262.50	Q208092	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			262.50	264.00	Q208093	1.50	<0.005
263.00	292.80	Vn;5%;Qcc;Ra;;Hem;	264.00	265.50	Q208094	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite random SPECULARITE	265.50	267.00	Q208095	1.50	<0.005
		Greyish-white to pinky-red calcite-qtz-hematite veining with selective dk green chl. Veining locally	267.00	268.50	Q208096	1.50	<0.005
		hyrdothermally brecciating wall rock.	268.50	270.00	Q208097	1.50	<0.005
270.00	286.30	Cl03; Mgt02; Ca02; He02	270.00	271.50	Q208098	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2; Hematite 2	271.50	273.00	Q208099	1.50	<0.005
		Strong chloritization with pervasive magnetism. Moderate selective interstitial calcite alteration. Vein	273.00	274.50	Q208102	1.50	<0.005
		controlled hematite and emanating pink to reddish staining.	274.50	276.00	Q208103	1.50	<0.005
			276.00	277.50	Q208104	1.50	<0.005
			277.50	279.00	Q208105	1.50	<0.005
			279.00	280.50	Q208106	1.50	0.005
			280.50	282.00	Q208107	1.50	<0.005
			282.00	283.50	Q208108	1.50	<0.005
			283.50	285.00	Q208109	1.50	<0.005
			285.00	286.50	Q208110	1.50	<0.005
286.30	301.00	Cl03; Mgt02; Ank01; He01					
		Chlorite 3; Magnetite 2; Ankerite 1; Hematite 1					
		Strong pervasive chlorite-magnetite alteration. Weak to moderate selective ankerite. Isolated hematite -					
		within veinlets.					
286.50	288.00	Cp00.05	286.50	288.00	Q208111	1.50	<0.005
		Chalcopyrite 0.05%	288.00	289.50	Q208112	1.50	<0.005
		Trace vein controlled chalcopyrite.	289.50	291.00	Q208113	1.50	<0.005
			291.00	292.50	Q208114	1.50	<0.005
			292.50	294.00	Q208115	1.50	0.005
294.00	302.65	Vn;;Qca;Vc;;Hem;	294.00	295.50	Q208116	1.50	<0.005
		vein (5 mm - 10 cm) quartz-calcite vein cross-cutting foliation SPECULARITE	295.50	297.00	Q208117	1.50	0.006
		Greyish-white calcite-qtz veining with incl of hematite.	297.00	298.50	Q208118	1.50	0.006
			298.50	300.00	Q208119	1.50	0.006
			300.00	301.50	Q208120	1.50	0.007
301.00	306.00	Cl03; Mgt02; Ca02; He01	301.50	303.00	Q208121	1.50	0.008
		Chlorite 3; Magnetite 2; Calcite 2; Hematite 1					
		Strong chloritization with pervasive magnetism. Moderate selective interstitial calcite alteration. Vein					
		controlled hematite and emanating pink to reddish staining.					
302.65	322.00	Vn;2%;Qcc;Vn;;Hem;					

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 2% quartz-calcite-chlorite vein parallel to foliation SPECULARITE Greyish to pinky-red calcite veining with selective qtz and hematite. Isolated incl of dk green chl. Parallel to and cross-cutting foliation.					
303.00	304.50	Cp00.05	303.00	304.50	Q208122	1.50	<0.005
		Chalcopyrite 0.05%	304.50	306.00	Q208123	1.50	<0.005
		Trace vein controlled chalcopyrite.					
306.00	322.00	Cl03; Mgt02; Ca02; He02; Ep01	306.00	307.50	Q208124	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2; Hematite 2; Epidote 1	307.50	309.00	Q208127	1.50	0.007
		Strong chloritization with pervasive magnetism. Moderate selective interstitial calcite alteration. Vein controlled hematite and emanating pink to reddish staining. Isolated patches of interstitial epidote - vein alteration halos.	309.00	310.50	Q208128	1.50	<0.005
			310.50	312.00	Q208129	1.50	<0.005
			312.00	313.50	Q208130	1.50	<0.005
			313.50	315.00	Q208131	1.50	0.007
			315.00	316.50	Q208132	1.50	<0.005
			316.50	318.00	Q208133	1.50	<0.005
			318.00	319.50	Q208134	1.50	<0.005
			319.50	321.00	Q208135	1.50	<0.005
			321.00	322.50	Q208136	1.50	<0.005
322.00	345.00	Cl03; Mgt02; Ca02; He01					
		Chlorite 3; Magnetite 2; Calcite 2; Hematite 1					
		Strong chloritization with pervasive magnetism. Moderate selective interstitial calcite alteration. Isolated vein controlled hematite staining.					
322.00	347.90	Vn;3%;Qca;Vn;;;	322.50	324.00	Q208137	1.50	0.006
		vein (5 mm - 10 cm) 3% quartz-calcite vein parallel to foliation					
		Pinky-grey to white calcite-qtz veining. Irregular and wispy. Cross-cutting as well as parallel to foliation.					
322.54	461.92	V9; Phan;	324.00	325.50	Q208138	1.50	0.009
		Tuff; PHANERITIC;	325.50	327.00	Q208139	1.50	0.007
		Dark green fine grained weakly foliated (at 25-30deg tca) tuff with intervals of massive trachyte flows. Moderate pervasive calcitic alteration. Weak to moderate chloritic alteration. Weak serecitic alteration. Weak patchy hematitic alteration. Moderately to strongly magnetic. Generally trace py but locally up to 2%. Veining is generally qtz/calcite with intervals of late barren ankerite veins (348-354m, 358-372m and 386-391.5m)	327.00	328.50	Q208140	1.50	0.005
			328.50	330.00	Q208141	1.50	0.008
			330.00	331.50	Q208142	1.50	<0.005
			331.50	333.00	Q208143	1.50	<0.005
			333.00	334.50	Q208144	1.50	<0.005
			334.50	336.00	Q208145	1.50	<0.005
			336.00	337.50	Q208146	1.50	<0.005
			337.50	339.00	Q208147	1.50	<0.005
			339.00	340.50	Q208148	1.50	<0.005
			340.50	342.00	Q208149	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			342.00	343.50	Q208152	1.50	<0.005
			343.50	345.00	Q208153	1.50	<0.005
345.00	350.00	Ank02; Cl02; Mgt02	345.00	346.50	Q208154	1.50	<0.005
		Ankerite 2; Chlorite 2; Magnetite 2	346.50	348.00	Q208155	1.50	0.012
		Moderate selective ankerite with pervasive chl-magnetite.					
347.90	461.92	Vn;5%;Qcr;Vc;;;	348.00	349.50	Q208156	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-carbonate vein cross-cutting foliation	349.50	351.00	Q208157	1.50	<0.005
		Pink calcite to white-beige ankerite and qtz veining with selective wispy incl of dk green chl.					
		Cross-cutting and parallel tca.					
350.00	370.50	Cl03; Ank02; Mgt02; Ca02; He01	351.00	352.50	Q208158	1.50	<0.005
		Chlorite 3; Ankerite 2; Magnetite 2; Calcite 2; Hematite 1	352.50	354.00	Q208159	1.50	<0.005
		Strong pervasive chl alteration. Moderate selective ankerite. Moderate pervasive magnetite. Weak to	354.00	355.50	Q208160	1.50	<0.005
		moderate interstitial calcite alteration. Isolated hematite staining within vein alteration halos.	355.50	357.00	Q208161	1.50	<0.005
			357.00	358.50	Q208162	1.50	0.005
			358.50	360.00	Q208163	1.50	<0.005
			360.00	361.50	Q208164	1.50	<0.005
			361.50	363.00	Q208165	1.50	<0.005
			363.00	364.50	Q208166	1.50	<0.005
364.50	365.00	Cp00.05	364.50	366.00	Q208167	1.50	<0.005
		Chalcopyrite 0.05%	366.00	367.50	Q208168	1.50	<0.005
		Trace vein controlled chalco.	367.50	369.00	Q208169	1.50	<0.005
			369.00	370.50	Q208170	1.50	<0.005
370.50	405.00	Cl03; Mgt02; Ca02	370.50	372.00	Q208171	1.50	0.013
		Chlorite 3; Magnetite 2; Calcite 2	372.00	373.50	Q208172	1.50	0.015
		Strong pervasive chloritization. Moderate pervasive magnetism. Moderate selective calcite alteration.	373.50	375.00	Q208173	1.50	0.011
			375.00	376.50	Q208174	1.50	0.02
			376.50	378.00	Q208177	1.50	0.013
			378.00	379.50	Q208178	1.50	0.006
			379.50	381.00	Q208179	1.50	0.027
381.00	382.50	Cp00.05	381.00	382.50	Q208180	1.50	0.012
		Chalcopyrite 0.05%	382.50	384.00	Q208181	1.50	0.016
		Trace vein controlled chalco.	384.00	385.50	Q208182	1.50	0.032
			385.50	387.00	Q208183	1.50	0.089
			387.00	388.50	Q208184	1.50	0.073
			388.50	390.00	Q208185	1.50	0.031

Description			Assay				
			From	To	Sample number	Length	AuBest
			390.00	391.50	Q208186	1.50	0.01
			391.50	393.00	Q208187	1.50	0.113
			393.00	394.50	Q208188	1.50	0.008
			394.50	396.00	Q208189	1.50	<0.005
			396.00	397.50	Q208190	1.50	<0.005
			397.50	399.00	Q208191	1.50	0.02
			399.00	400.50	Q208192	1.50	0.016
			400.50	402.00	Q208193	1.50	<0.005
			402.00	403.50	Q208194	1.50	<0.005
			403.50	405.00	Q208195	1.50	<0.005
405.00	421.00	Ank02; Se02; Cl02; Mgt02; Ca02	405.00	406.50	Q208196	1.50	<0.005
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2; Calcite 2					
		Weak to moderate selective ankerite alteration. Moderate patches of wispy interstitial sericitization.					
		Moderate interstitial chloritization. Moderate pervasive magnetism. Moderate interstitial calcite.					
406.50	408.00	Py00.1	406.50	408.00	Q208197	1.50	<0.005
		Pyrite 0.1%	408.00	409.50	Q208198	1.50	<0.005
		Fg disseminated py.	409.50	411.00	Q208199	1.50	0.013
			411.00	412.50	Q208202	1.50	0.008
			412.50	414.00	Q208203	1.50	0.005
			414.00	415.50	Q208204	1.50	0.008
			415.50	417.00	Q208205	1.50	<0.005
			417.00	418.50	Q208206	1.50	<0.005
			418.50	420.00	Q208207	1.50	0.01
			420.00	421.50	Q208208	1.50	<0.005
421.00	461.92	Cl03; Mgt02; Ca02	421.50	423.00	Q208209	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2					
		Strong pervasive chloritization. Moderate pervasive magnetism. Moderate to strong interstitial calcite alteration.					
423.00	424.50	Cp00.05	423.00	424.50	Q208210	1.50	<0.005
		Chalcopyrite 0.05%	424.50	426.00	Q208211	1.50	0.026
		Trace vein controlled chalco.	426.00	427.50	Q208212	1.50	0.021
			427.50	429.00	Q208213	1.50	0.015
			429.00	430.50	Q208214	1.50	0.012
			430.50	432.00	Q208215	1.50	0.017
			432.00	433.50	Q208216	1.50	0.01

Description	Assay				
	From	To	Sample number	Length	AuBest
	433.50	435.00	Q208217	1.50	0.018
	435.00	436.50	Q208218	1.50	0.008
	436.50	438.00	Q208219	1.50	<0.005
	438.00	439.50	Q208220	1.50	<0.005
	439.50	441.00	Q208221	1.50	<0.005
	441.00	442.50	Q208222	1.50	<0.005
	442.50	444.00	Q208223	1.50	<0.005
	444.00	445.50	Q208224	1.50	0.006
	445.50	447.00	Q208227	1.50	0.018
	447.00	448.50	Q208228	1.50	0.015
	448.50	450.00	Q208229	1.50	0.006
	450.00	451.50	Q208230	1.50	<0.005
	451.50	453.00	Q208231	1.50	<0.005
	453.00	454.50	Q208232	1.50	<0.005
	454.50	456.00	Q208233	1.50	<0.005
	456.00	457.50	Q208234	1.50	0.016
	457.50	459.00	Q208235	1.50	0.02
	459.00	460.50	Q208236	1.50	<0.005
	460.50	461.92	Q208237	1.42	<0.005
461.92	**End of DDH**				
	Number of samples: 275				
	Number of QAQC samples: 24				
	Total sampled length: 411.92				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_74

Drilled by:	Major	Claims title:	L9691	Section:	
Described by:	Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	06/04/2014	Description date:	13/04/2014
		To:	11/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 413.08 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,678.157
North	0.0	0.000	5,332,013.081
Elevation	0.0	0.000	342.858

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	63.00	146.5°	-50.6°	Yes	Mag = 57678
ReflexEZS	123.00	174.7°	-47.9°	No	Mag = 55333
ReflexEZS	183.00	177.4°	-46.5°	No	Mag = 55507
ReflexEZS	252.00	178.1°	-44.9°	No	Mag = 54786
ReflexEZS	312.00	177.5°	-42.7°	No	Mag = 55537
ReflexEZS	384.00	178.8°	-40.3°	No	Mag = 55483

Description

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	39.00	OVB; Undie; **Overburden; UNDEFINED;** .					
39.00	242.44	V4; LapTuff; **Trachyte; LAPILLI TUFF/AGGLOMERATE;**	39.00	41.00	Q208238	2.00	0.037
			41.00	42.00	Q208239	1.00	<0.005
			42.00	43.50	Q208240	1.50	<0.005
			43.50	45.00	Q208241	1.50	<0.005
			45.00	46.50	Q208242	1.50	<0.005
			46.50	48.00	Q208243	1.50	<0.005
			48.00	49.50	Q208244	1.50	<0.005
			49.50	51.00	Q208245	1.50	<0.005
			51.00	52.50	Q208246	1.50	<0.005
			52.50	54.00	Q208247	1.50	<0.005
			54.00	55.50	Q208248	1.50	<0.005
			55.50	57.00	Q208249	1.50	0.02
			57.00	58.50	Q208252	1.50	0.012
			58.50	60.00	Q208253	1.50	<0.005
			60.00	61.50	Q208254	1.50	<0.005
			61.50	63.00	Q208255	1.50	<0.005
			63.00	64.50	Q208256	1.50	<0.005
			64.50	66.00	Q208257	1.50	<0.005
			66.00	67.50	Q208258	1.50	<0.005
			67.50	69.00	Q208259	1.50	<0.005
			69.00	70.50	Q208260	1.50	<0.005
			70.50	72.00	Q208261	1.50	<0.005
			72.00	73.50	Q208262	1.50	<0.005
			73.50	75.00	Q208263	1.50	0.005
			75.00	76.50	Q208264	1.50	<0.005
			76.50	78.00	Q208265	1.50	<0.005
			78.00	79.50	Q208266	1.50	<0.005
			79.50	81.00	Q208267	1.50	<0.005
			81.00	82.50	Q208268	1.50	<0.005
			82.50	84.00	Q208269	1.50	0.025
			84.00	85.50	Q208270	1.50	0.059
			85.50	87.00	Q208271	1.50	0.066

Description	Assay				
	From	To	Sample number	Length	AuBest
	87.00	88.50	Q208272	1.50	0.038
	88.50	90.00	Q208273	1.50	0.015
	90.00	91.50	Q208274	1.50	0.006
	91.50	93.00	Q208277	1.50	<0.005
	93.00	94.50	Q208278	1.50	<0.005
	94.50	96.00	Q208279	1.50	0.006
	96.00	97.50	Q208280	1.50	0.008
	97.50	99.00	Q208281	1.50	0.009
	99.00	100.50	Q208282	1.50	0.008
	100.50	102.00	Q208283	1.50	0.006
	102.00	103.50	Q208284	1.50	0.008
	103.50	105.00	Q208285	1.50	0.006
	105.00	106.50	Q208286	1.50	0.015
	106.50	108.00	Q208287	1.50	0.009
	108.00	109.50	Q208288	1.50	0.01
	109.50	111.00	Q208289	1.50	0.013
	111.00	112.50	Q208290	1.50	0.006
	112.50	114.00	Q208291	1.50	0.009
	114.00	115.50	Q208292	1.50	<0.005
	115.50	117.00	Q208293	1.50	<0.005
	117.00	118.50	Q208294	1.50	<0.005
	118.50	120.00	Q208295	1.50	0.005
	120.00	121.50	Q208296	1.50	0.011
	121.50	123.00	Q208297	1.50	0.006
	123.00	124.50	Q208298	1.50	0.008
	124.50	126.00	Q208299	1.50	0.007
	126.00	127.50	Q208302	1.50	0.006
	127.50	129.00	Q208303	1.50	<0.005
	129.00	130.50	Q208304	1.50	<0.005
	130.50	132.00	Q208305	1.50	<0.005
	132.00	133.50	Q208306	1.50	0.005
	133.50	135.00	Q208307	1.50	<0.005
	135.00	136.50	Q208308	1.50	0.006
	136.50	138.00	Q208309	1.50	0.009

Description	Assay				
	From	To	Sample number	Length	AuBest
	138.00	139.50	Q208310	1.50	<0.005
	139.50	141.00	Q208311	1.50	0.006
	141.00	142.50	Q208312	1.50	0.008
	142.50	144.00	Q208313	1.50	<0.005
	144.00	145.50	Q208314	1.50	<0.005
	145.50	147.00	Q208315	1.50	<0.005
	147.00	148.50	Q208316	1.50	<0.005
	148.50	150.00	Q208317	1.50	<0.005
	150.00	151.50	Q208318	1.50	<0.005
	151.50	153.00	Q208319	1.50	<0.005
	153.00	154.50	Q208320	1.50	0.005
	154.50	156.00	Q208321	1.50	<0.005
	156.00	157.50	Q208322	1.50	<0.005
	157.50	159.00	Q208323	1.50	<0.005
	159.00	160.50	Q208324	1.50	<0.005
	160.50	162.00	Q208327	1.50	<0.005
	162.00	163.50	Q208328	1.50	0.036
	163.50	165.00	Q208329	1.50	<0.005
	165.00	166.50	Q208330	1.50	<0.005
	166.50	168.00	Q208331	1.50	0.006
	168.00	169.50	Q208332	1.50	0.013
	169.50	171.00	Q208333	1.50	<0.005
	171.00	172.50	Q208334	1.50	<0.005
	172.50	174.00	Q208335	1.50	<0.005
	174.00	175.50	Q208336	1.50	<0.005
	175.50	177.00	Q208337	1.50	<0.005
	177.00	178.50	Q208338	1.50	<0.005
	178.50	180.00	Q208339	1.50	<0.005
	180.00	181.50	Q208340	1.50	<0.005
	181.50	183.00	Q208341	1.50	<0.005
	183.00	184.50	Q208342	1.50	<0.005
	184.50	186.00	Q208343	1.50	<0.005
	186.00	187.50	Q208344	1.50	<0.005
	187.50	189.00	Q208345	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	189.00	190.50	Q208346	1.50	<0.005
	190.50	192.00	Q208347	1.50	<0.005
	192.00	193.50	Q208348	1.50	<0.005
	193.50	195.00	Q208349	1.50	<0.005
	195.00	196.50	Q208352	1.50	<0.005
	196.50	198.00	Q208353	1.50	<0.005
	198.00	199.50	Q208354	1.50	<0.005
	199.50	201.00	Q208355	1.50	<0.005
	201.00	202.50	Q208356	1.50	<0.005
	202.50	204.00	Q208357	1.50	<0.005
	204.00	205.50	Q208358	1.50	<0.005
	205.50	207.00	Q208359	1.50	<0.005
	207.00	208.50	Q208360	1.50	<0.005
	208.50	210.00	Q208361	1.50	<0.005
	210.00	211.50	Q208362	1.50	<0.005
	211.50	213.00	Q208363	1.50	<0.005
	213.00	214.50	Q208364	1.50	0.015
	214.50	216.00	Q208365	1.50	0.007
	216.00	217.50	Q208366	1.50	0.007
	217.50	219.00	Q208367	1.50	<0.005
	219.00	220.50	Q208368	1.50	<0.005
	220.50	222.00	Q208369	1.50	<0.005
	222.00	223.50	Q208370	1.50	<0.005
	223.50	225.00	Q208371	1.50	<0.005
	225.00	226.50	Q208372	1.50	<0.005
	226.50	228.00	Q208373	1.50	<0.005
	228.00	229.50	Q208374	1.50	<0.005
	229.50	231.00	Q208377	1.50	<0.005
	231.00	232.50	Q208378	1.50	<0.005
	232.50	234.00	Q208379	1.50	<0.005
	234.00	235.50	Q208380	1.50	<0.005
	235.50	237.00	Q208381	1.50	<0.005
	237.00	238.00	Q208382	1.00	0.005
	238.00	239.00	Q208383	1.00	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			239.00	240.00	Q208384	1.00	0.008
			240.00	241.50	Q208385	1.50	0.012
			241.50	243.00	Q208386	1.50	<0.005
242.44	334.80	V4; LapTuff;	243.00	244.50	Q208387	1.50	<0.005
		Trachyte; LAPILLI TUFF/AGGLOMERATE;	244.50	246.00	Q208388	1.50	<0.005
			246.00	247.50	Q208389	1.50	<0.005
			247.50	249.00	Q208390	1.50	0.008
			249.00	250.50	Q208391	1.50	<0.005
			250.50	252.00	Q208392	1.50	<0.005
			252.00	253.50	Q208393	1.50	<0.005
			253.50	255.00	Q208394	1.50	<0.005
			255.00	256.50	Q208395	1.50	<0.005
			256.50	258.00	Q208396	1.50	<0.005
			258.00	259.50	Q208397	1.50	<0.005
			259.50	261.00	Q208398	1.50	<0.005
			261.00	262.50	Q208399	1.50	<0.005
			262.50	264.00	Q208402	1.50	<0.005
			264.00	265.50	Q208403	1.50	<0.005
			265.50	267.00	Q208404	1.50	<0.005
			267.00	268.50	Q208405	1.50	<0.005
			268.50	270.00	Q208406	1.50	0.012
			270.00	271.50	Q208407	1.50	<0.005
			271.50	273.00	Q208408	1.50	0.079
			273.00	274.50	Q208409	1.50	<0.005
			274.50	276.00	Q208410	1.50	<0.005
			276.00	277.50	Q208411	1.50	<0.005
			277.50	279.00	Q208412	1.50	<0.005
			279.00	280.50	Q208413	1.50	<0.005
			280.50	282.00	Q208414	1.50	0.005
			282.00	283.50	Q208415	1.50	<0.005
			283.50	285.00	Q208416	1.50	<0.005
			285.00	286.50	Q208417	1.50	<0.005
			286.50	288.00	Q208418	1.50	<0.005
			288.00	289.50	Q208419	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			289.50	291.00	Q208420	1.50	<0.005
			291.00	292.00	Q208421	1.00	<0.005
			292.00	293.00	Q208422	1.00	<0.005
			293.00	294.00	Q208423	1.00	<0.005
			294.00	295.50	Q208424	1.50	<0.005
			295.50	297.00	Q208427	1.50	<0.005
			297.00	298.50	Q208428	1.50	<0.005
			298.50	300.00	Q208429	1.50	0.006
			300.00	301.50	Q208430	1.50	0.007
			301.50	303.00	Q208431	1.50	<0.005
			303.00	304.50	Q208432	1.50	0.01
			304.50	306.00	Q208433	1.50	<0.005
			306.00	307.50	Q208434	1.50	0.005
			307.50	309.00	Q208435	1.50	0.014
			309.00	310.50	Q208436	1.50	<0.005
			310.50	312.00	Q208437	1.50	<0.005
			312.00	313.50	Q208438	1.50	<0.005
			313.50	315.00	Q208439	1.50	0.007
			315.00	316.50	Q208440	1.50	0.011
			316.50	318.00	Q208441	1.50	0.005
			318.00	319.50	Q208442	1.50	0.006
			319.50	321.00	Q208443	1.50	0.009
			321.00	322.50	Q208444	1.50	0.01
			322.50	324.00	Q208445	1.50	0.006
			324.00	325.50	Q208446	1.50	0.009
			325.50	327.00	Q208447	1.50	0.008
			327.00	328.50	Q208448	1.50	0.007
			328.50	330.00	Q208449	1.50	<0.005
			330.00	331.50	Q208452	1.50	0.009
			331.50	333.00	Q208453	1.50	0.005
			333.00	334.50	Q208454	1.50	0.005
			334.50	336.00	Q208455	1.50	0.009
334.80	413.08	V4; Vol;	336.00	337.50	Q208456	1.50	0.006
		Trachyte; VOLCANICLASTIC;	337.50	339.00	Q208457	1.50	0.007

Description	Assay				
	From	To	Sample number	Length	AuBest
	339.00	340.50	Q208458	1.50	0.011
	340.50	342.00	Q208459	1.50	0.008
	342.00	343.50	Q208460	1.50	0.006
	343.50	345.00	Q208461	1.50	0.005
	345.00	346.50	Q208462	1.50	0.006
	346.50	348.00	Q208463	1.50	0.005
	348.00	349.50	Q208464	1.50	0.012
	349.50	351.00	Q208465	1.50	0.007
	351.00	352.50	Q208466	1.50	0.005
	352.50	354.00	Q208467	1.50	0.005
	354.00	355.50	Q208468	1.50	0.006
	355.50	357.00	Q208469	1.50	0.005
	357.00	358.50	Q208470	1.50	0.007
	358.50	360.00	Q208471	1.50	0.007
	360.00	361.50	Q208472	1.50	0.007
	361.50	363.00	Q208473	1.50	0.006
	363.00	364.50	Q208474	1.50	<0.005
	364.50	366.00	Q208477	1.50	<0.005
	366.00	367.50	Q208478	1.50	0.007
	367.50	369.00	Q208479	1.50	0.008
	369.00	370.50	Q208480	1.50	<0.005
	370.50	372.00	Q208481	1.50	0.005
	372.00	373.50	Q208482	1.50	0.006
	373.50	375.00	Q208483	1.50	<0.005
	375.00	376.50	Q208484	1.50	<0.005
	376.50	378.00	Q208485	1.50	<0.005
	378.00	379.50	Q208486	1.50	<0.005
	379.50	381.00	Q208487	1.50	0.005
	381.00	382.50	Q208488	1.50	0.005
	382.50	384.00	Q208489	1.50	<0.005
	384.00	385.50	Q208490	1.50	<0.005
	385.50	387.00	Q208491	1.50	0.014
	387.00	388.50	Q208492	1.50	<0.005
	388.50	390.00	Q208493	1.50	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	390.00	391.50	Q208494	1.50	<0.005
	391.50	393.00	Q208495	1.50	0.006
	393.00	394.50	Q208496	1.50	0.011
	394.50	396.00	Q208497	1.50	<0.005
	396.00	397.50	Q208498	1.50	<0.005
	397.50	399.00	Q208499	1.50	<0.005
	399.00	400.50	Q208502	1.50	<0.005
	400.50	402.00	Q208503	1.50	0.005
	402.00	403.50	Q208504	1.50	<0.005
	403.50	405.00	Q208505	1.50	<0.005
	405.00	406.50	Q208506	1.50	<0.005
	406.50	408.00	Q208507	1.50	0.005
	408.00	409.50	Q208508	1.50	<0.005
	409.50	411.00	Q208509	1.50	<0.005
	411.00	412.00	Q208510	1.00	0.01
	412.00	413.08	Q208511	1.08	0.006
413.08	**End of DDH**				
	Number of samples: 252				
	Number of QAQC samples: 22				
	Total sampled length: 374.08				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_75

Drilled by:	Major	Claims title:	L9689	Section:	
Described by:	A Richardson, relog AJR	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	29/03/2014	Description date:	08/04/2014
		To:	03/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 525.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,400.636
North	0.0	0.000	5,332,090.115
Elevation	0.0	0.000	337.483

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	24.00	358.4°	-50.3°	No	Mag = 57289
ReflexEZS	84.00	359.9°	-51.8°	No	Mag = 55621
ReflexEZS	144.00	357.7°	-51.4°	No	Mag = 56038
ReflexEZS	207.00	357.6°	-52.2°	No	Mag = 55960
ReflexEZS	264.00	2.4°	-52.7°	No	Mag = 55358
ReflexEZS	324.00	9.9°	-53.5°	No	Mag = 54083
ReflexEZS	384.00	6.8°	-53.9°	No	Mag = 55273
ReflexEZS	444.00	10.7°	-54.1°	No	Mag = 56203
ReflexEZS	504.00	11.9°	-54.8°	No	Mag = 55773

Description

Re-logged by Mike Laliberty Sept 2014.

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	16.12	OVB						
		Overburden						
		15m of casing						
16.12	21.33	V4; Tuff						
		Trachyte; TUFF						
		Light beige-green fine to medium grained semi-massive tuff with a very weak foliation at 45 dtca. Moderate pervasive ankeritic alteration, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate wispy sericitic alteration. Non-magnetic. <1% qtz/ankerite/chlorite veining. Trace py.						
16.12	21.40	Ank02; Cl01; Se01						
		Ankerite 2; Chlorite 1; Sericite 1						
		Moderate pervasive ankeritic alteration, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate wispy sericitic alteration						
16.12	106.20	Fln		16.12	17.50	Q204561	1.38	0.017
		Foliation 45°		17.50	19.00	Q204562	1.50	0.009
		Weak to locally moderate pervasive foliation at 30-60 dtca.		19.00	20.50	Q204563	1.50	0.006
				20.50	22.00	Q204564	1.50	0.005
21.33	93.66	V4; LapTuff						
		Trachyte; LAPILLI TUFF/AGGLOMERATE						
		Mixed unit of round to slightly stretched lapilli in a fine grained tuffaceous groundmass with about 50% aglomerate of rounded clasts of aphanitic, reddish trachyte in an aphanitic groundmass. Moderately foliated at 40-60 dtca with local crenulation cleavage and rare rotated clasts with pressure shadows. Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate wispy sericitic alteration, weak pervasive ankeritic alteration and a weak to locally moderate patchy potassic alteration. Weak to moderate intermittent magnetism. Essentially no veining. Trace py.						
21.40	93.66	Cl02; Se01; Ank01; K01		22.00	23.50	Q204565	1.50	0.012
		Chlorite 2; Sericite 1; Ankerite 1; Potassic 1		23.50	25.00	Q204566	1.50	0.01
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate wispy sericitic alteration, weak pervasive ankeritic alteration that becomes stronger down hole and a weak to locally moderate patchy potassic alteration		25.00	26.50	Q204567	1.50	0.007
				26.50	28.00	Q204568	1.50	<0.005
				28.00	29.50	Q204569	1.50	<0.005
				29.50	31.00	Q204570	1.50	0.005
				31.00	32.50	Q204571	1.50	0.008
				32.50	34.00	Q204572	1.50	<0.005
				34.00	35.50	Q204573	1.50	<0.005
				35.50	37.00	Q204574	1.50	<0.005
				37.00	38.50	Q204577	1.50	<0.005
				38.50	40.00	Q204578	1.50	<0.005
				40.00	41.50	Q204579	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			41.50	43.00	Q204580	1.50	0.006
			43.00	44.50	Q204581	1.50	<0.005
			44.50	46.00	Q204582	1.50	<0.005
			46.00	47.50	Q204583	1.50	0.01
			47.50	49.00	Q204584	1.50	0.008
			49.00	50.50	Q204585	1.50	<0.005
			50.50	52.00	Q204586	1.50	<0.005
			52.00	53.50	Q204587	1.50	<0.005
			53.50	55.00	Q204588	1.50	0.011
			55.00	56.50	Q204589	1.50	0.015
			56.50	58.00	Q204590	1.50	0.01
			58.00	59.50	Q204591	1.50	0.011
			59.50	61.00	Q204592	1.50	0.007
			61.00	62.50	Q204593	1.50	0.007
			62.50	64.00	Q204594	1.50	0.01
			64.00	65.50	Q204595	1.50	0.007
			65.50	67.00	Q204596	1.50	0.005
			67.00	68.50	Q204597	1.50	0.009
			68.50	70.00	Q204598	1.50	0.008
			70.00	71.50	Q204599	1.50	0.005
			71.50	73.00	Q204602	1.50	0.008
			73.00	74.50	Q204603	1.50	0.008
			74.50	76.00	Q204604	1.50	<0.005
			76.00	77.50	Q204605	1.50	0.005
			77.50	79.00	Q204606	1.50	0.009
			79.00	80.50	Q204607	1.50	0.006
			80.50	82.00	Q204608	1.50	0.015
			82.00	83.50	Q204609	1.50	0.008
			83.50	85.00	Q204610	1.50	0.011
			85.00	86.50	Q204611	1.50	<0.005
85.50	85.90	Vn;40%;Qak;Ra;;Cp00.1; **vein (5 mm - 10 cm) 40% quartz-ankerite random Chalcopyrite 0.1%** Qtz + minor ankerite veining and fracture fill with weak to moderate potassic alteration along margins and trace cpy.	86.50	88.00	Q204612	1.50	0.009
			88.00	89.50	Q204613	1.50	0.005
			89.50	91.00	Q204614	1.50	0.009
			91.00	92.50	Q204615	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
			92.50	94.00	Q204616	1.50	0.006
93.66	400.00	V4; Tuff; Pyro	94.00	95.50	Q204617	1.50	<0.005
		Trachyte; TUFF; PYROCLASTIC	95.50	97.00	Q204618	1.50	<0.005
		Greenish grey, very fine grained trachyte tuff with 30-40% light green to grey and occasionally reddish to light	97.00	98.50	Q204619	1.50	0.006
		pink, subrounded clasts of trachyte and pumice fragments (possible pyroclastic flow intervals). Moderate to	98.50	100.00	Q204620	1.50	<0.005
		locally strong patchy to pervasive ankeritic alteration that switches back and forth with a weak to moderate	100.00	101.50	Q204621	1.50	<0.005
		patchy to pervasive calcitic alteration starting at 134 to 292m and then becomes moderate pervasive calcite to	101.50	103.00	Q204622	1.50	<0.005
		the end of the hole, moderate fracture and foliation-controlled chloritic alteration, weak to moderate wispy	103.00	104.50	Q204623	1.50	<0.005
		sericitic alteration and a weak to locally moderate patchy potassic alteration that fades out near the end of the	104.50	106.00	Q204624	1.50	<0.005
		hole. Generally moderately magnetic. Generally trace but locally up to 0.5% very fine grained py	106.00	107.50	Q204627	1.50	0.006
		disseminations. Trace cpy occasionally in qtz veining.					
93.66	134.50	Ank01; Cl01					
		Ankerite 1; Chlorite 1					
		weak pervasive ankerite and light green chlorite					
106.20	108.40	Gg					
		Fault gouge 25°					
		Gouge covered rubble with up to 20cm intervals of competent core..					
106.25	131.20	Vn;2%;Qak;Vc;;Cp00.1;	107.50	109.00	Q204628	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite vein cross-cutting foliation Chalcopyrite 0.1%					
		Narrow (generally <1cm) qtz +/- ankerite with occasional chlorite veinlets and gashes that cross-cut					
		foliation at various angles and may contain trace cpy.					
108.40	121.45	Fln	109.00	110.50	Q204629	1.50	<0.005
		Foliation 25°	110.50	112.00	Q204630	1.50	<0.005
		Moderate to locally strong pervasive foliation at 5-50 dtca.	112.00	113.50	Q204631	1.50	<0.005
			113.50	115.00	Q204632	1.50	0.007
			115.00	116.50	Q204633	1.50	0.005
			116.50	118.00	Q204634	1.50	<0.005
			118.00	119.50	Q204635	1.50	0.009
			119.50	121.00	Q204636	1.50	0.008
			121.00	122.50	Q204637	1.50	0.013
121.45	121.90	Gg					
		Fault gouge 30°					
		Microfractures parallel to foliation (30 dtca) with gouge and very friable core.					
121.90	363.85	Fln	122.50	124.00	Q204638	1.50	0.012
		Foliation 35°	124.00	125.50	Q204639	1.50	<0.005
		Weak to locally moderate pervasive foliation at 25-60 dtca.	125.50	127.00	Q204640	1.50	0.008
			127.00	128.50	Q204641	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			128.50	130.00	Q204642	1.50	0.012
			130.00	131.50	Q204643	1.50	0.011
			131.50	133.00	Q204644	1.50	0.007
132.25	132.40	Vn;50%;Qak;In;;;	133.00	134.50	Q204645	1.50	0.014
		vein (5 mm - 10 cm) 50% quartz-ankerite infilled fractures					
		Qtz + minor ankerite hydrothermal breccia fill.					
134.50	258.00	Ca02; Cl02; Se01; K01	134.50	136.00	Q204646	1.50	0.008
		Calcite 2; Chlorite 2; Sericite 1; Potassic 1	136.00	137.50	Q204647	1.50	0.011
		Weak to moderate patchy to pervasive calcitic alteration, moderate fracture and foliation-controlled	137.50	139.00	Q204648	1.50	0.033
		chloritic alteration, weak to moderate wispy sericitic alteration and a weak to locally moderate patchy	139.00	140.50	Q204649	1.50	0.015
		potassic alteration	140.50	142.00	Q204652	1.50	0.016
			142.00	143.50	Q204653	1.50	0.007
			143.50	145.00	Q204654	1.50	0.005
			145.00	146.50	Q204655	1.50	<0.005
145.80	149.30	Vn;2%;Qak;;;;	146.50	148.00	Q204656	1.50	0.011
		vein (5 mm - 10 cm) 2% quartz-ankerite	148.00	149.50	Q204657	1.50	0.013
		Narrow (<2cm wide) qtz + minor ankerite veining with a light pink potassic alteration.	149.50	151.00	Q204658	1.50	0.006
			151.00	152.50	Q204659	1.50	0.008
			152.50	154.00	Q204660	1.50	0.009
			154.00	155.50	Q204661	1.50	0.009
			155.50	157.00	Q204662	1.50	0.015
			157.00	158.50	Q204663	1.50	0.01
			158.50	160.00	Q204664	1.50	0.01
			160.00	161.50	Q204665	1.50	0.011
			161.50	163.00	Q204666	1.50	0.013
			163.00	164.50	Q204667	1.50	0.011
			164.50	166.00	Q204668	1.50	0.009
			166.00	167.50	Q204669	1.50	0.007
			167.50	169.00	Q204670	1.50	0.005
			169.00	170.50	Q204671	1.50	0.006
			170.50	172.00	Q204672	1.50	0.005
			172.00	173.50	Q204673	1.50	<0.005
			173.50	175.00	Q204674	1.50	0.008
			175.00	176.50	Q204677	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			176.50	178.00	Q204678	1.50	<0.005
177.20	177.90	Vn;40%;Qac;;10°;Py00.1;	178.00	179.50	Q204679	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-ankerite-chlorite 10° Pyrite 0.1%					
		Pinkish qtz with minor ankerite and chlorite veining with a moderate potassic alteration					
178.90	179.60	Vn;30%;Qac;Ra;;Py00.1;	179.50	181.00	Q204680	1.50	0.006
		vein (5 mm - 10 cm) 30% quartz-ankerite-chlorite random Pyrite 0.1%	181.00	182.50	Q204681	1.50	0.037
		Greenish convoluted wormy ankerite/chlorite veining with minor qtz.	182.50	184.00	Q204682	1.50	0.019
			184.00	185.50	Q204683	1.50	0.016
			185.50	187.00	Q204684	1.50	0.007
			187.00	188.50	Q204685	1.50	0.006
			188.50	190.50	Q204686	2.00	0.005
			190.50	192.00	Q204687	1.50	<0.005
			192.00	193.50	Q204688	1.50	<0.005
			193.50	195.00	Q204689	1.50	<0.005
			195.00	196.50	Q204690	1.50	0.011
			196.50	198.00	Q204691	1.50	0.019
			198.00	199.50	Q204692	1.50	0.018
198.05	198.20	Vm;90%;Qac;;65°;Py00.1;	199.50	201.00	Q204693	1.50	0.006
		major vein (10 cm or greater) 90% quartz-ankerite-chlorite 65°	201.00	202.50	Q204694	1.50	0.01
		15cm wide pink qtz/ankerite/chlorite vein with wispy sericite along margins and a moderate potassic	202.50	204.00	Q204695	1.50	<0.005
		alteration.	204.00	205.50	Q204696	1.50	0.021
			205.50	207.00	Q204697	1.50	0.012
			207.00	208.50	Q204698	1.50	0.014
			208.50	210.00	Q204699	1.50	0.021
			210.00	211.50	Q204702	1.50	0.024
			211.50	213.00	Q204703	1.50	0.017
			213.00	214.50	Q204704	1.50	0.014
			214.50	216.00	Q204705	1.50	0.016
			216.00	217.50	Q204706	1.50	0.011
			217.50	219.00	Q204707	1.50	0.011
			219.00	220.50	Q204708	1.50	0.009
			220.50	222.00	Q204709	1.50	0.008
			222.00	223.50	Q204710	1.50	0.007
			223.50	225.00	Q204711	1.50	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
			225.00	226.50	Q204712	1.50	0.012
			226.50	228.00	Q204713	1.50	0.009
			228.00	229.50	Q204714	1.50	<0.005
			229.50	231.00	Q204715	1.50	0.009
			231.00	232.50	Q204716	1.50	0.031
			232.50	234.00	Q204717	1.50	0.012
			234.00	235.50	Q204718	1.50	0.009
			235.50	237.00	Q204719	1.50	0.012
			237.00	238.50	Q204720	1.50	0.008
238.00	240.00	Vn;10%;Qcc;;10°;Py00.1;	238.50	240.00	Q204721	1.50	0.007
		vein (5 mm - 10 cm) 10% quartz-calcite-chlorite 10° Pyrite 0.1%	240.00	241.50	Q204722	1.50	0.006
		Pink qtz/calcite/chlorite veining that meanders along core axis.	241.50	243.00	Q204723	1.50	0.015
			243.00	244.50	Q204724	1.50	0.007
			244.50	246.00	Q204727	1.50	0.008
			246.00	247.50	Q204728	1.50	0.009
			247.50	249.00	Q204729	1.50	<0.005
			249.00	250.50	Q204730	1.50	0.012
			250.50	252.00	Q204731	1.50	0.006
			252.00	253.50	Q204732	1.50	0.008
			253.50	255.00	Q204733	1.50	<0.005
			255.00	256.00	Q204734	1.00	0.005
			256.00	257.50	Q204735	1.50	0.013
			257.50	259.00	Q204736	1.50	0.016
258.00	292.20	Cl02; Ank01; Ca01; Se01; K01	259.00	260.50	Q204737	1.50	0.028
		Chlorite 2; Ankerite 1; Calcite 1; Sericite 1; Potassic 1					
		Moderate fracture and foliation-controlled chloritic alteration, weak to moderate patchy ankeritic alteration intercalates with a weak to moderate vein-controlled to patchy calcitic alteration, weak to moderate wispy sericitic alteration and a weak to locally moderate patchy potassic alteration.					
259.50	265.80	Py00.5	260.50	262.00	Q204738	1.50	0.021
		Pyrite 0.5%	262.00	263.50	Q204739	1.50	0.014
		0.5% finely disseminated py.	263.50	265.00	Q204740	1.50	0.014
			265.00	266.50	Q204741	1.50	0.015
			266.50	268.00	Q204742	1.50	0.016
268.00	269.70	Vn;2%;Qcc;Ra;;Py00.1;	268.00	269.50	Q204743	1.50	0.014
		vein (5 mm - 10 cm) 2% quartz-calcite-chlorite random Pyrite 0.1%	269.50	271.00	Q204744	1.50	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pinkish wormy qtz/calcite/chlortie veining.	271.00	272.50	Q204745	1.50	0.012
			272.50	274.00	Q204746	1.50	0.013
			274.00	275.50	Q204747	1.50	0.011
			275.50	277.00	Q204748	1.50	0.009
			277.00	278.50	Q204749	1.50	0.007
			278.50	280.00	Q204752	1.50	0.009
			280.00	281.50	Q204753	1.50	0.011
			281.50	283.00	Q204754	1.50	<0.005
			283.00	284.50	Q204755	1.50	0.005
			284.50	286.00	Q204756	1.50	0.005
			286.00	287.50	Q204757	1.50	0.009
			287.50	289.00	Q204758	1.50	<0.005
			289.00	290.50	Q204759	1.50	<0.005
			290.50	292.00	Q204760	1.50	<0.005
			292.00	293.50	Q204761	1.50	<0.005
292.20	525.00	Ca02; Cl02; Se01; K01	293.50	295.00	Q204762	1.50	0.007
		Calcite 2; Chlorite 2; Sericite 1; Potassic 1					
		Weak to moderate patchy to pervasive calcitic alteration, moderate fracture and foliation-controlled					
		chloritic alteration, weak to moderate wispy sericitic alteration and a weak patchy potassic alteration					
294.40	301.50	Py00.5	295.00	296.50	Q204763	1.50	0.006
		Pyrite 0.5%	296.50	298.00	Q204764	1.50	0.006
		Very fine grained wispy py disseminations.	298.00	299.50	Q204765	1.50	0.006
			299.50	301.00	Q204766	1.50	0.008
			301.00	302.50	Q204767	1.50	0.007
			302.50	304.00	Q204768	1.50	<0.005
			304.00	305.50	Q204769	1.50	0.005
			305.50	307.00	Q204770	1.50	0.006
			307.00	308.50	Q204771	1.50	<0.005
			308.50	310.00	Q204772	1.50	0.005
			310.00	311.50	Q204773	1.50	0.005
			311.50	313.00	Q204774	1.50	0.008
			313.00	314.50	Q204777	1.50	<0.005
			314.50	316.00	Q204778	1.50	0.005
			316.00	317.50	Q204779	1.50	0.006
			317.50	319.00	Q204780	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			319.00	320.50	Q204781	1.50	<0.005
			320.50	322.00	Q204782	1.50	<0.005
			322.00	323.50	Q204783	1.50	<0.005
			323.50	325.00	Q204784	1.50	<0.005
			325.00	326.50	Q204785	1.50	0.007
			326.50	328.00	Q204786	1.50	0.005
			328.00	329.50	Q204787	1.50	0.005
328.50	330.00	Vn;5%;Qcc;Vn;25°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite vein parallel to foliation 25° Pyrite 0.1%** Wormy pinkish-creamy white qtz/calcite/chlorite veining parallel to foliation	329.50	331.00	Q204788	1.50	0.005
329.80	333.00	Py00.5 **Pyrite 0.5%** 0.5% finely disseminated py.	331.00	332.50	Q204789	1.50	<0.005
			332.50	334.00	Q204790	1.50	0.005
			334.00	335.50	Q204791	1.50	0.005
			335.50	337.00	Q204792	1.50	0.006
336.00	338.10	Py00.5 **Pyrite 0.5%** 0.5% finely disseminated py.	337.00	338.50	Q204793	1.50	<0.005
			338.50	340.00	Q204794	1.50	0.01
339.40	357.20	Vn;5%;Qcc;Vn;25°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite vein parallel to foliation 25° Pyrite 0.1%** Wormy pinkish-creamy white qtz/calcite/chlorite veining parallel to foliation.	340.00	341.50	Q204795	1.50	<0.005
			341.50	343.00	Q204796	1.50	<0.005
			343.00	344.50	Q204797	1.50	0.007
			344.50	346.00	Q204798	1.50	<0.005
			346.00	347.50	Q204799	1.50	0.008
			347.50	349.00	Q204802	1.50	<0.005
			349.00	350.50	Q204803	1.50	<0.005
			350.50	352.00	Q204804	1.50	<0.005
			352.00	353.50	Q204805	1.50	<0.005
			353.50	355.00	Q204806	1.50	<0.005
			355.00	356.50	Q204807	1.50	<0.005
			356.50	358.00	Q204808	1.50	0.005
			358.00	359.50	Q204809	1.50	0.005
			359.50	361.00	Q204810	1.50	0.005
			361.00	362.50	Q204811	1.50	0.005
362.40	363.00	Vn;20%;Qcc;Ra;;Py00.1; **vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random Pyrite 0.1%** Wormy pinkish-creamy white qtz/calcite/chlorite veining/fracture fill randomly oriented.	362.50	364.00	Q204812	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
363.85	366.50	FracZn	364.00	366.00	Q204813	2.00	<0.005
		Fracture Zone	366.00	367.50	Q204814	1.50	0.005
		Brittle fractured core.					
366.50	525.00	Fln	367.50	369.00	Q204815	1.50	<0.005
		Foliation 40°	369.00	370.50	Q204816	1.50	0.011
		Weak to locally moderate pervasive foliation at 25-60 dtca.	370.50	372.00	Q204817	1.50	0.005
			372.00	373.50	Q204818	1.50	<0.005
			373.50	375.00	Q204819	1.50	<0.005
			375.00	376.50	Q204820	1.50	<0.005
			376.50	378.00	Q204821	1.50	<0.005
			378.00	379.50	Q204822	1.50	<0.005
			379.50	381.00	Q204823	1.50	<0.005
			381.00	382.50	Q204824	1.50	<0.005
			382.50	384.00	Q204827	1.50	<0.005
			384.00	385.50	Q204828	1.50	<0.005
			385.50	387.00	Q204829	1.50	<0.005
366.50	373.70	Vn;5%;Qcc;Vn;60°;Py00.1;					
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite vein parallel to foliation 60° Pyrite 0.1%					
		Wormy pinkish-creamy white qtz/calcite/chlorite veining parallel to foliation.					
386.70	400.40	Py00.5	387.00	388.50	Q204830	1.50	<0.005
		Pyrite 0.5%	388.50	390.00	Q204831	1.50	<0.005
		0.5% finely disseminated py.	390.00	391.50	Q204832	1.50	<0.005
			391.50	393.00	Q204833	1.50	<0.005
			393.00	394.50	Q204834	1.50	<0.005
			394.50	396.00	Q204835	1.50	<0.005
			396.00	397.50	Q204836	1.50	0.006
			397.50	399.00	Q204837	1.50	<0.005
			399.00	400.50	Q204838	1.50	<0.005
			400.50	402.00	Q204839	1.50	<0.005
			402.00	403.50	Q204840	1.50	<0.005
			403.50	405.00	Q204841	1.50	0.008
			405.00	406.50	Q204842	1.50	0.008
			406.50	408.00	Q204843	1.50	0.009
407.00	409.30	Py00.5	408.00	409.50	Q204844	1.50	0.007
		Pyrite 0.5%	409.50	411.00	Q204845	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		0.5% finely disseminated py.	411.00	412.50	Q204846	1.50	0.006
			412.50	414.00	Q204847	1.50	0.006
			414.00	415.50	Q204848	1.50	0.006
			415.50	417.00	Q204849	1.50	<0.005
			417.00	418.50	Q204852	1.50	<0.005
			418.50	420.00	Q204853	1.50	<0.005
			420.00	421.50	Q204854	1.50	<0.005
			421.50	423.00	Q204855	1.50	<0.005
			423.00	424.50	Q204856	1.50	<0.005
			424.50	426.00	Q204857	1.50	<0.005
			426.00	427.50	Q204858	1.50	<0.005
			427.50	429.00	Q204859	1.50	<0.005
			429.00	430.50	Q204860	1.50	<0.005
			430.50	432.00	Q204861	1.50	0.011
			432.00	433.50	Q204862	1.50	<0.005
			433.50	435.00	Q204863	1.50	0.007
			435.00	436.50	Q204864	1.50	<0.005
			436.50	438.00	Q204865	1.50	<0.005
			438.00	439.50	Q204866	1.50	<0.005
			439.50	441.00	Q204867	1.50	0.007
			441.00	442.50	Q204868	1.50	<0.005
			442.50	444.00	Q204869	1.50	0.006
			444.00	445.50	Q204870	1.50	0.007
			445.50	447.00	Q204871	1.50	0.006
			447.00	448.50	Q204872	1.50	0.005
447.90	468.10	Vn;2%;Qcc;Ra;;Py00.1;	448.50	450.00	Q204873	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-calcite-chlorite random Pyrite 0.1%	450.00	451.50	Q204874	1.50	<0.005
		Wormy pinkish-creamy white qtz/calcite/chlorite veining at various angles.	451.50	453.00	Q204877	1.50	<0.005
			453.00	454.50	Q204878	1.50	0.005
			454.50	456.00	Q204879	1.50	<0.005
			456.00	457.50	Q204880	1.50	<0.005
			457.50	459.00	Q204881	1.50	<0.005
			459.00	460.50	Q204882	1.50	0.005
			460.50	462.00	Q204883	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			462.00	463.50	Q204884	1.50	<0.005
			463.50	465.00	Q204885	1.50	0.006
			465.00	466.50	Q204886	1.50	<0.005
			466.50	468.00	Q204887	1.50	<0.005
			468.00	469.50	Q204888	1.50	0.012
			469.50	471.00	Q204889	1.50	0.012
470.40	471.80	Py00.5	471.00	472.50	Q204890	1.50	0.007
		Pyrite 0.5%	472.50	474.00	Q204891	1.50	<0.005
		0.5% finely disseminated py.	474.00	475.50	Q204892	1.50	0.006
			475.50	477.00	Q204893	1.50	0.005
			477.00	478.50	Q204894	1.50	0.005
			478.50	480.00	Q204895	1.50	<0.005
			480.00	481.50	Q204896	1.50	<0.005
			481.50	483.00	Q204897	1.50	<0.005
			483.00	484.50	Q204898	1.50	<0.005
			484.50	486.00	Q204899	1.50	<0.005
			486.00	487.50	Q204902	1.50	<0.005
			487.50	489.00	Q204903	1.50	<0.005
			489.00	490.50	Q204904	1.50	<0.005
			490.50	492.00	Q204905	1.50	<0.005
			492.00	493.50	Q204906	1.50	<0.005
			493.50	495.00	Q204907	1.50	0.008
			495.00	496.50	Q204908	1.50	0.008
			496.50	498.00	Q204909	1.50	<0.005
			498.00	499.50	Q204910	1.50	<0.005
			499.50	501.00	Q204911	1.50	<0.005
			501.00	502.50	Q204912	1.50	<0.005
			502.50	504.00	Q204913	1.50	<0.005
			504.00	505.50	Q204914	1.50	<0.005
			505.50	507.00	Q204915	1.50	<0.005
			507.00	508.50	Q204916	1.50	<0.005
			508.50	510.00	Q204917	1.50	<0.005
			510.00	511.50	Q204918	1.50	<0.005
			511.50	513.00	Q204919	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	513.00	514.50	Q204920	1.50	<0.005
	514.50	516.00	Q204921	1.50	<0.005
	516.00	517.50	Q204922	1.50	<0.005
	517.50	519.00	Q204923	1.50	<0.005
	519.00	520.50	Q204924	1.50	<0.005
	520.50	522.00	Q204927	1.50	<0.005
	522.00	523.50	Q204928	1.50	<0.005
	523.50	525.00	Q204929	1.50	<0.005
525.00	**End of DDH**				
	Number of samples: 339				
	Number of QAQC samples: 30				
	Total sampled length: 508.88				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_76

Drilled by:	Major	Claims title:	L9689	Section:	
Described by:	Ciara Cooke	Township:	LEBEL	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	03/04/2014	Description date:	10/04/2014
		To:	08/04/2014		

Collar

Azimuth:	180.0°
Dip:	-50.0°
Length:	540.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,400.894
North	0.0	0.000	5,332,094.475
Elevation	0.0	0.000	337.398

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	33.00	182.8°	-50.6°	No	Mag = 56387
ReflexEZS	93.00	178.4°	-51.7°	No	Mag = 56103
ReflexEZS	153.00	179.2°	-51.9°	No	Mag = 56007
ReflexEZS	213.00	176.5°	-52.3°	No	Mag = 55704
ReflexEZS	273.00	176.6°	-51.7°	No	Mag = 55726
ReflexEZS	333.00	179.0°	-50.7°	No	Mag = 56697
ReflexEZS	393.00	180.3°	-50.9°	No	Mag = 55148
ReflexEZS	453.00	177.3°	-49.0°	No	Mag = 55759
ReflexEZS	516.00	174.7°	-48.9°	No	Mag = 56109

Description

Re_Logging By Reza Hosseinnejad

Core size: NQ Cemented: Yes Stored: Yes

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	14.00	OVB; Undie **Overburden; UNDEFINED** Undefined overburden					
14.00	284.00	V9L; LapTuff **Lapilli Tuff; LAPILLI TUFF/AGGLOMERATE** Pale green yellow green and patchy creamy color, fine to coarse matrix contains rounded to sub rounded lapilli and angular to irregular creamy pinkish clasts. The unit is mixed of lapilli tuff and agglomerate. Somewhere the matrix shows intense altered ankerite-sericite and moderate patchy (isolated) chlorite alteration. Weak to moderate potassic alteration of clasts with few showing alteration halos. A few dark grey mafic angular fragments appearing at 241.6 to 253m. Magnetite changes from non at the beginning g of hole to weak to moderate isolate at the end. Trace pyrite within veinlets. The foliation is weak somewhere in the lapilli part it is clear at 40 dtca. From 90-105 the rock well foliated @ 70-90 dtca. In this internal the lapilli elongated on the plan of foliation. From 29.5 to 30.5 two white massive quartz veins wide 30 and 40cm with minor ankerite and iron oxide cross the rock parallel to foliation @45 dtca. Quartz-ankerite veins and veinlets pervades throughout the core up to 5%. Some where the main rock cross cut by hydrothermal creamy color ankretic veins @ 45 dtca. These breccias contain 10 % broken and crashed rock. The abundance of lapilli and agglomerate decrease and fade after 284m. The rock become more calcitic and moderately magnetic.					
14.00	284.00	Ank01; Se02; K02 **Ankerite 1; Sericite 2; Potassic 2** Somewhere the matrix shows intense altered ankerite-sericite and moderate patchy(isolated) chlorite alteration. Weak to moderate potassic alteration of clasts with few showing alteration halos.	14.00	15.00	Q207311	1.00	0.011
			15.00	16.50	Q207312	1.50	<0.005
			16.50	18.00	Q207313	1.50	<0.005
14.00	28.00	Fln **Foliation 45°** Weak to moderate pervasive to isolate					
18.00	91.00	Py00.1; Mo00.1; Cp00.1 **Pyrite 0.1%; Molybdenite 0.1%; Chalcopyrite 0.1%** Trace prite,some spot of moly and chalco	18.00	19.50	Q207314	1.50	<0.005
			19.50	21.00	Q207315	1.50	0.005
			21.00	22.50	Q207316	1.50	0.01
			22.50	24.00	Q207317	1.50	<0.005
			24.00	25.50	Q207318	1.50	<0.005
			25.50	27.00	Q207319	1.50	0.028
			27.00	28.50	Q207320	1.50	0.005
			28.50	30.00	Q207321	1.50	0.257
28.88	29.60	Gg **Fault gouge 45°** A slickenside gouge fault oblique the rock @ 45 dtca.There is no mineralization associated with this fault.					
29.50	30.50	Vm;70%;Qtz;Vn;45°;Cp00.2; **major vein (10 cm or greater) 70% white quartz vein parallel to foliation 45°**	30.00	31.50	Q207322	1.50	<0.005
			31.50	33.00	Q207323	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Chalcopyrite 0.2%	33.00	34.50	Q207324	1.50	0.007
		Two white massive quartz veins with minor ankerite and iron oxide cross the rock parallel to foliation	34.50	36.00	Q207327	1.50	0.007
		@45 dtca. The first vein contains a few splash of chalcopyrte.					
34.82	34.90	Gg					
		Fault gouge 40°					
		A narrow gouge fault cross cut the rock @40 dtca. There is no mineralization associated with this fault.					
36.00	36.20	Bxh	36.00	37.50	Q207328	1.50	0.01
		Breccia healed	37.50	39.00	Q207329	1.50	0.005
		HYDROTHERMAL Vein	39.00	40.50	Q207330	1.50	0.009
			40.50	42.00	Q207331	1.50	0.008
			42.00	43.50	Q207332	1.50	0.012
			43.50	45.00	Q207333	1.50	0.015
			45.00	46.50	Q207334	1.50	0.01
			46.50	48.00	Q207335	1.50	0.006
			48.00	49.50	Q207336	1.50	<0.005
			49.50	51.00	Q207337	1.50	<0.005
			51.00	52.50	Q207338	1.50	0.005
			52.50	54.00	Q207339	1.50	0.006
			54.00	55.50	Q207340	1.50	0.018
			55.50	57.00	Q207341	1.50	0.01
			57.00	58.50	Q207342	1.50	0.009
			58.50	60.00	Q207343	1.50	<0.005
			60.00	61.50	Q207344	1.50	0.043
			61.50	63.00	Q207345	1.50	0.006
			63.00	64.50	Q207346	1.50	<0.005
64.23	64.24	Gg	64.50	66.00	Q207347	1.50	0.015
		Fault gouge 50°					
		A narrow gouge fault cross cut the rock @50 dtca. There is no mineralization associated with this fault.					
65.25	66.90	Gg	66.00	67.50	Q207348	1.50	0.007
		Fault gouge 45°	67.50	69.00	Q207349	1.50	0.009
		A gouge fault cross cut the rock @45 dtca. There is no mineralization associated with this fault.	69.00	70.50	Q207352	1.50	0.008
			70.50	72.00	Q207353	1.50	0.014
			72.00	73.50	Q207354	1.50	<0.005
			73.50	75.00	Q207355	1.50	0.011
			75.00	76.50	Q207356	1.50	0.069

Description			Assay				
			From	To	Sample number	Length	AuBest
			76.50	78.00	Q207357	1.50	0.006
			78.00	79.50	Q207358	1.50	0.025
			79.50	81.00	Q207359	1.50	0.013
			81.00	82.50	Q207360	1.50	0.011
			82.50	84.00	Q207361	1.50	0.006
84.00	84.23	Bxh	84.00	85.50	Q207362	1.50	<0.005
		Breccia healed	85.50	87.00	Q207363	1.50	0.007
		A Hydrothermal vein including crashed rock cross the unit.					
86.60	86.90	Bxh	87.00	88.50	Q207364	1.50	0.005
		Breccia healed	88.50	90.00	Q207365	1.50	0.016
		HYDROTHERMAL VEINE	90.00	91.50	Q207366	1.50	0.022
91.00	313.00	Py00.1	91.50	93.00	Q207367	1.50	0.056
		Pyrite 0.1%	93.00	94.50	Q207368	1.50	0.008
		Trace pyrite stringers.	94.50	96.00	Q207369	1.50	<0.005
			96.00	97.50	Q207370	1.50	0.035
			97.50	99.00	Q207371	1.50	0.037
			99.00	100.50	Q207372	1.50	0.006
			100.50	102.00	Q207373	1.50	0.015
			102.00	103.50	Q207374	1.50	<0.005
			103.50	105.00	Q207377	1.50	0.015
			105.00	106.50	Q207378	1.50	<0.005
			106.50	108.00	Q207379	1.50	0.022
			108.00	109.50	Q207380	1.50	0.008
108.46	108.62	Bxh	109.50	111.00	Q207381	1.50	0.008
		Breccia healed	111.00	112.50	Q207382	1.50	0.011
		A Hydrothermal vein including crashed rock cross the unit.	112.50	114.00	Q207383	1.50	0.015
			114.00	115.50	Q207384	1.50	0.017
			115.50	117.00	Q207385	1.50	<0.005
			117.00	118.50	Q207386	1.50	0.016
			118.50	120.00	Q207387	1.50	0.034
			120.00	121.50	Q207388	1.50	<0.005
			121.50	123.00	Q207389	1.50	0.013
			123.00	124.50	Q207390	1.50	0.005
			124.50	126.00	Q207391	1.50	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
			126.00	127.50	Q207392	1.50	0.042
			127.50	129.00	Q207393	1.50	0.009
			129.00	130.50	Q207394	1.50	0.024
			130.50	132.00	Q207395	1.50	<0.005
			132.00	133.50	Q207396	1.50	0.016
			133.50	135.00	Q207397	1.50	0.013
			135.00	136.50	Q207398	1.50	0.005
			136.50	138.00	Q207399	1.50	<0.005
			138.00	139.50	Q207402	1.50	<0.005
			139.50	141.00	Q207403	1.50	<0.005
			141.00	142.50	Q207404	1.50	<0.005
			142.50	144.00	Q207405	1.50	0.016
			144.00	145.50	Q207406	1.50	0.009
144.73	144.82	Gg	145.50	147.00	Q207407	1.50	0.022
		Fault gouge 85°	147.00	148.50	Q207408	1.50	0.128
		A narrow but strong fault cross cut the rock @ 85 dtca. The main rock is not magnetic but the gouge is strongly magnetic. No mineralization present.	148.50	150.00	Q207409	1.50	0.01
			150.00	151.50	Q207410	1.50	0.012
			151.50	153.00	Q207411	1.50	0.009
			153.00	154.50	Q207412	1.50	0.007
			154.50	156.00	Q207413	1.50	0.015
154.95	155.40	Bxh	156.00	157.50	Q207414	1.50	0.029
		Breccia healed 45°	157.50	159.00	Q207415	1.50	0.021
		A hydrothermal creamy color ankretic vein cross cut the rock @ 45 dtca. It contains 10 % broken and crashed rock. There is no mineralization associated with this vein.	159.00	160.50	Q207416	1.50	0.008
			160.50	162.00	Q207417	1.50	0.02
161.65	162.13	Bxh	162.00	163.50	Q207418	1.50	<0.005
		Breccia healed 45°					
		A hydrothermal creamy color ankretic vein cross cut the rock @ 45 dtca. It contains 10-15 % broken and crashed rock. There is no mineralization associated with this vein.					
162.13	205.00	Fln	163.50	165.00	Q207419	1.50	<0.005
		Foliation 55°	165.00	166.50	Q207420	1.50	0.01
		Weak to moderate pervasive to intermitent foliation.	166.50	168.00	Q207421	1.50	0.022
			168.00	169.50	Q207422	1.50	0.009
			169.50	171.00	Q207423	1.50	0.014
			171.00	172.50	Q207424	1.50	<0.005
			172.50	174.00	Q207427	1.50	0.023

Description			Assay				
			From	To	Sample number	Length	AuBest
			174.00	175.50	Q207428	1.50	0.008
			175.50	177.00	Q207429	1.50	0.013
			177.00	178.50	Q207430	1.50	<0.005
			178.50	180.00	Q207431	1.50	0.021
			180.00	181.50	Q207432	1.50	0.016
			181.50	183.00	Q207433	1.50	0.016
			183.00	184.50	Q207434	1.50	0.008
			184.50	186.00	Q207435	1.50	0.038
			186.00	187.50	Q207436	1.50	0.019
			187.50	189.00	Q207437	1.50	0.013
			189.00	190.50	Q207438	1.50	0.039
			190.50	192.00	Q207439	1.50	0.015
			192.00	193.50	Q207440	1.50	<0.005
			193.50	195.00	Q207441	1.50	<0.005
			195.00	196.50	Q207442	1.50	0.009
			196.50	198.00	Q207443	1.50	0.015
			198.00	199.50	Q207444	1.50	<0.005
			199.50	201.00	Q207445	1.50	0.008
			201.00	202.50	Q207446	1.50	0.005
			202.50	204.00	Q207447	1.50	<0.005
			204.00	205.50	Q207448	1.50	0.008
			205.50	207.00	Q207449	1.50	<0.005
205.65	209.00	DZ	207.00	208.50	Q207452	1.50	0.01
		Deformation Zone 30°	208.50	210.00	Q207453	1.50	0.008
		Weak to moderate deformation present. The same deformation from 213.30-213.60.	210.00	211.50	Q207454	1.50	0.005
			211.50	213.00	Q207455	1.50	0.01
			213.00	214.50	Q207456	1.50	<0.005
213.30	213.60	DZ					
		Deformation Zone 45°					
		Strong to moderate deformation present looks like symmetrical folding at 45 dtca.					
214.00	348.00	FIn	214.50	216.00	Q207457	1.50	<0.005
		Foliation 40°	216.00	217.50	Q207458	1.50	<0.005
		The rock shows intermitent weak to moderate foliation.	217.50	219.00	Q207459	1.50	0.009
			219.00	220.50	Q207460	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	220.50	222.00	Q207461	1.50	0.006
	222.00	223.50	Q207462	1.50	0.005
	223.50	225.00	Q207463	1.50	0.014
	225.00	226.50	Q207464	1.50	<0.005
	226.50	228.00	Q207465	1.50	<0.005
	228.00	229.50	Q207466	1.50	<0.005
	229.50	231.00	Q207467	1.50	<0.005
	231.00	232.50	Q207468	1.50	<0.005
	232.50	234.00	Q207469	1.50	0.018
	234.00	235.50	Q207470	1.50	0.006
	235.50	237.00	Q207471	1.50	<0.005
	237.00	238.50	Q207472	1.50	<0.005
	238.50	240.00	Q207473	1.50	<0.005
	240.00	241.50	Q207474	1.50	<0.005
	241.50	243.00	Q207477	1.50	0.005
	243.00	244.50	Q207478	1.50	0.006
	244.50	246.00	Q207479	1.50	0.005
	246.00	247.50	Q207480	1.50	<0.005
	247.50	249.00	Q207481	1.50	0.019
	249.00	250.50	Q207482	1.50	0.005
	250.50	252.00	Q207483	1.50	<0.005
	252.00	253.50	Q207484	1.50	<0.005
	253.50	255.00	Q207485	1.50	<0.005
	255.00	256.50	Q207486	1.50	0.007
	256.50	258.00	Q207487	1.50	0.006
	258.00	259.50	Q207488	1.50	<0.005
	259.50	261.00	Q207489	1.50	0.011
	261.00	262.50	Q207490	1.50	0.015
	262.50	264.00	Q207491	1.50	<0.005
	264.00	265.50	Q207492	1.50	<0.005
	265.50	267.00	Q207493	1.50	<0.005
	267.00	268.50	Q207494	1.50	<0.005
	268.50	270.00	Q207495	1.50	<0.005
	270.00	271.50	Q207496	1.50	<0.005

Description				Assay				
				From	To	Sample number	Length	AuBest
				271.50	273.00	Q207497	1.50	0.009
				273.00	274.50	Q207498	1.50	<0.005
				274.50	276.00	Q207499	1.50	<0.005
				276.00	277.50	Q207502	1.50	<0.005
				277.50	279.00	Q207503	1.50	0.009
				279.00	280.50	Q207504	1.50	<0.005
				280.50	282.00	Q207505	1.50	<0.005
				282.00	283.50	Q207506	1.50	<0.005
				283.50	285.00	Q207507	1.50	<0.005
284.00	540.00		V4T; Tuff	285.00	286.50	Q207508	1.50	<0.005
			Trachytic tuff 45°; TUFF	286.50	288.00	Q207509	1.50	<0.005
			From deep 284m the abundance of lapilli and agglomerate decrease and finally fade. Later a few lapilli and	288.00	289.50	Q207510	1.50	<0.005
			agglomerate go in and out. The color becomes green to grey due to chlorite alteration and decreasing of	289.50	291.00	Q207511	1.50	<0.005
			potassic alteration. In this point the rock become more calcitic and moderate to strongly pervasive magnetic.	291.00	292.50	Q207512	1.50	<0.005
			Fine grained ground mass well foliated at 40-45 dtca and contains a few pinkish pyroclasts look like pumice.	292.50	294.00	Q207513	1.50	<0.005
			Thepinkish chalky calcite elongated on the plan of foliation. The rock is not hard and contains 4-5%	294.00	295.50	Q207514	1.50	<0.005
			quartz-calcite veins and veinlets wide 1-20 mm at variable orientation. The pyrite mineralization is trace.	295.50	297.00	Q207515	1.50	0.007
			At 384 the hole goes into green grey fine ground mass . It contains 10-15% pinkish euheadral subheadral	297.00	298.50	Q207516	1.50	<0.005
			calcitic patches and a few pumice. The rock is strongly magnetic and moderately calcitic. The rock pervaded					
			by veins and veinlets of calcite-quartz at variable orientation up to 5%. Pyrite mineralization is trace but there is					
			a few stringers of specularite. Intense pervasive green chlorite and moderate calcite alteration present.					
	284.00	321.40	Cl02; Ca01; K01					
			Chlorite 2; Calcite 1; Potassic 1					
			pervasive moderate chlorite and weak calcite alteration.In this interval most of pyroclastics clasts shows					
			weak pinkish potassic alteration.					
	298.50	300.00	Vn;3%;Qca;Vn;45°;;	298.50	300.00	Q207517	1.50	<0.005
			vein (5 mm - 10 cm) 3% quartz-calcite vein parallel to foliation 45°	300.00	301.50	Q207518	1.50	<0.005
			Three quartz-calcite veins wide 1-3 cm cross the rock parallel to foliation @45 dtca. There is no	301.50	303.00	Q207519	1.50	<0.005
			mineralization associated with these veins.	303.00	304.50	Q207520	1.50	0.007
				304.50	306.00	Q207521	1.50	0.007
				306.00	307.50	Q207522	1.50	<0.005
				307.50	309.00	Q207523	1.50	0.005
				309.00	310.50	Q207524	1.50	<0.005
				310.50	312.00	Q207525	1.50	<0.005
				312.00	313.50	Q207526	1.50	<0.005
	313.00	540.00	Py00.1	313.50	315.00	Q207527	1.50	0.007
			Pyrite 0.1%	315.00	316.50	Q207528	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trace fine grained and stringers.	316.50	318.00	Q207529	1.50	<0.005
			318.00	319.50	Q207530	1.50	0.005
			319.50	321.00	Q207531	1.50	0.005
			321.00	322.50	Q207532	1.50	0.005
321.40	345.00	Cl01; Ca02	322.50	324.00	Q207533	1.50	<0.005
		Chlorite 1; Calcite 2	324.00	325.50	Q207534	1.50	<0.005
		very weak isolate potassic, moderatly calcite veins and veinlts and pervasive chlorite alteration	325.50	327.00	Q207535	1.50	<0.005
			327.00	328.50	Q207536	1.50	<0.005
			328.50	330.00	Q207537	1.50	<0.005
			330.00	331.50	Q207538	1.50	<0.005
			331.50	333.00	Q207539	1.50	<0.005
			333.00	334.50	Q207540	1.50	<0.005
			334.50	336.00	Q207541	1.50	<0.005
			336.00	337.50	Q207542	1.50	<0.005
			337.50	339.00	Q207543	1.50	<0.005
			339.00	340.50	Q207544	1.50	<0.005
			340.50	342.00	Q207545	1.50	0.008
			342.00	343.50	Q207546	1.50	0.013
			343.50	345.00	Q207547	1.50	<0.005
345.00	381.00	Ca02; Cl02; K02	345.00	346.50	Q207548	1.50	<0.005
		Calcite 2; Chlorite 2; Potassic 2	346.50	348.00	Q207549	1.50	0.005
		Moderate selective calcite and potassic. In this interval the chlorite alteration is vary from weak and isolate to intense and pervasive..	348.00	349.50	Q207552	1.50	0.006
348.30	348.35	FLT	349.50	351.00	Q207553	1.50	<0.005
		Fault 45°	351.00	352.50	Q207554	1.50	<0.005
		A narrow slip surface fault cross the rock parallel to foliation @45 dtca.	352.50	354.00	Q207555	1.50	<0.005
			354.00	355.50	Q207556	1.50	0.009
			355.50	357.00	Q207557	1.50	0.005
356.56	356.58	Bxh	357.00	358.50	Q207558	1.50	0.009
		Breccia healed	358.50	360.00	Q207559	1.50	0.008
		Two cm braccia cross the rock @40 dtca.	360.00	361.50	Q207560	1.50	0.013
			361.50	363.00	Q207561	1.50	0.011
362.31	362.32	Gg	363.00	364.50	Q207562	1.50	0.009
		Fault gouge 45°	364.50	366.00	Q207563	1.50	0.01
		A gouge slickenside fault cross cut the rock parallel to foliation @45 dtca.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			366.00	367.50	Q207564	1.50	0.009
			367.50	369.00	Q207565	1.50	0.01
368.02	368.03	Gg	369.00	370.50	Q207566	1.50	0.011
		Fault gouge 45°	370.50	372.00	Q207567	1.50	0.007
		A narrow gouge slickenside fault cross cut the rock parallel to foliation @45 dtca.	372.00	373.50	Q207568	1.50	0.012
			373.50	375.00	Q207569	1.50	0.006
			375.00	376.50	Q207570	1.50	<0.005
			376.50	378.00	Q207571	1.50	0.01
			378.00	379.50	Q207572	1.50	0.007
			379.50	381.00	Q207573	1.50	0.006
380.90	381.00	Bxh; Bxh					
		Breccia healed; Breccia healed					
		A Hydrothermal vein including crashed rock cross the unit.					
381.00	392.25	Cl03; Ca02	381.00	382.50	Q207574	1.50	<0.005
		Chlorite 3; Calcite 2	382.50	384.00	Q207577	1.50	0.005
		Intense pervasive green chlorite and moderate calcite alteration present.	384.00	385.50	Q207578	1.50	0.01
			385.50	387.00	Q207579	1.50	0.008
			387.00	388.50	Q207580	1.50	0.009
			388.50	390.00	Q207581	1.50	0.011
			390.00	391.50	Q207582	1.50	0.011
			391.50	393.00	Q207583	1.50	0.015
392.20	395.00	Bxh					
		Breccia healed 40°					
		In this interval the rock is brecciated and contains a gouge fault @40 dtca, wide 10 cm at 394.00 _394.10.					
392.25	408.00	Ca01; K03	393.00	394.50	Q207584	1.50	<0.005
		Calcite 1; Potassic 3	394.50	396.00	Q207585	1.50	0.015
		Intense pervasive potassic and weak calcite alteration present. In this interval the rock color is pinki to reddish.	396.00	397.50	Q207586	1.50	0.008
396.11	396.12	Gg	397.50	399.00	Q207587	1.50	0.005
		Fault gouge 40°	399.00	400.50	Q207588	1.50	<0.005
		A narrow gouge slickenside fault cross cut the rock parallel to foliation @40 dtca.					

Description			Assay				
			From	To	Sample number	Length	AuBest
399.10	399.20	Altb **Alteration Band** A Hydrothermal vein including crashed rock cross the unit.					
399.10	399.20	Vn;80%;Qca;Vc;40°;; **vein (5 mm - 10 cm) 80% quartz-calcite vein cross-cutting foliation 40°** A whitish quartz-calcite hydrothermal vein cut the rock. The vein contains crashed rock. There is no mineralization associated with this vein.					
399.80	447.00	Fln **Foliation 45°** weak to moderate pervassive foliation	400.50	402.00	Q207589	1.50	<0.005
			402.00	403.50	Q207590	1.50	<0.005
			403.50	405.00	Q207591	1.50	<0.005
			405.00	406.50	Q207592	1.50	<0.005
			406.50	408.00	Q207593	1.50	<0.005
408.00	540.00	Ca02; Cl01 **Calcite 2; Chlorite 1** Pervasive moderate pinkish calcite and weak dark green chlorite alteration.	408.00	409.50	Q207594	1.50	0.005
			409.50	411.00	Q207595	1.50	<0.005
			411.00	412.50	Q207596	1.50	<0.005
			412.50	414.00	Q207597	1.50	<0.005
			414.00	415.50	Q207598	1.50	<0.005
			415.50	417.00	Q207599	1.50	0.006
			417.00	418.50	Q207602	1.50	0.008
			418.50	420.00	Q207603	1.50	0.006
			420.00	421.50	Q207604	1.50	0.005
			421.50	423.00	Q207605	1.50	<0.005
			423.00	424.50	Q207606	1.50	<0.005
			424.50	426.00	Q207607	1.50	<0.005
			426.00	427.50	Q207608	1.50	0.009
			427.50	429.00	Q207609	1.50	0.005
			429.00	430.50	Q207610	1.50	0.008
			430.50	432.00	Q207611	1.50	0.005
			432.00	433.50	Q207612	1.50	<0.005
			433.50	435.00	Q207613	1.50	<0.005
			435.00	436.50	Q207614	1.50	<0.005
			436.50	438.00	Q207615	1.50	0.005
			438.00	439.50	Q207616	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			439.50	441.00	Q207617	1.50	<0.005
			441.00	442.50	Q207618	1.50	0.007
442.50	443.00	Vm;65%;Qcc;Vn;45°;;	442.50	444.00	Q207619	1.50	<0.005
		major vein (10 cm or greater) 65% quartz-calcite-chlorite vein parallel to foliation 45°	444.00	445.50	Q207620	1.50	<0.005
		A quartz-calcite-chlorite vein cross cut the rock parallel to foliation at 45 dtca. There is no mineralization	445.50	447.00	Q207621	1.50	<0.005
		associated with this vein.	447.00	448.50	Q207622	1.50	<0.005
447.50	450.50	DZ	448.50	450.00	Q207623	1.50	<0.005
		Deformation Zone 40°	450.00	451.50	Q207624	1.50	<0.005
		A weakly isolated deformation zone.					
451.00	503.00	Fln	451.50	453.00	Q207627	1.50	0.008
		Foliation 48°	453.00	454.50	Q207628	1.50	0.01
		weak to moderate pervassive foliation	454.50	456.00	Q207629	1.50	<0.005
			456.00	457.50	Q207630	1.50	<0.005
456.50	456.80	Vn;65%;Qca;Vc;;;	457.50	459.00	Q207631	1.50	<0.005
		vein (5 mm - 10 cm) 65% quartz-calcite vein cross-cutting foliation	459.00	460.50	Q207632	1.50	<0.005
		A whitish quartz-calcite hydrothermal vein cut the rock. The vein contains crashed rock. There is no	460.50	462.00	Q207633	1.50	0.012
		mineralization associated with this vein.	462.00	463.50	Q207634	1.50	<0.005
			463.50	465.00	Q207635	1.50	<0.005
			465.00	466.50	Q207636	1.50	<0.005
			466.50	468.00	Q207637	1.50	<0.005
			468.00	469.50	Q207638	1.50	0.006
			469.50	471.00	Q207639	1.50	<0.005
			471.00	472.50	Q207640	1.50	<0.005
			472.50	474.00	Q207641	1.50	<0.005
			474.00	475.50	Q207642	1.50	<0.005
			475.50	477.00	Q207643	1.50	<0.005
			477.00	478.50	Q207644	1.50	<0.005
			478.50	480.00	Q207645	1.50	<0.005
			480.00	481.50	Q207646	1.50	<0.005
			481.50	483.00	Q207647	1.50	<0.005
			483.00	484.50	Q207648	1.50	<0.005
			484.50	486.00	Q207649	1.50	<0.005
			486.00	487.50	Q207652	1.50	<0.005
			487.50	489.00	Q207653	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			489.00	490.50	Q207654	1.50	<0.005
			490.50	492.00	Q207655	1.50	<0.005
			492.00	493.50	Q207656	1.50	<0.005
			493.50	495.00	Q207657	1.50	<0.005
			495.00	496.50	Q207658	1.50	<0.005
			496.50	498.00	Q207659	1.50	<0.005
			498.00	499.50	Q207660	1.50	<0.005
498.15	498.26	Vn;80%;Qac;Vn;;;	499.50	501.00	Q207661	1.50	<0.005
		vein (5 mm - 10 cm) 80% quartz-ankerite-chlorite vein parallel to foliation	501.00	502.50	Q207662	1.50	0.006
		A quartz-ankerite-chlorite vein cross cut the rock parallel to foliation at 45 dtca. There is no mineralization associated with this vein.	502.50	504.00	Q207663	1.50	0.008
503.94	503.95	Gg	504.00	505.50	Q207664	1.50	<0.005
		Fault gouge 40°	505.50	507.00	Q207665	1.50	0.006
		A narrow gouge slickenside fault cross cut the rock parallel to foliation @40 dtca.	507.00	508.50	Q207666	1.50	<0.005
			508.50	510.00	Q207667	1.50	<0.005
509.90	509.92	Gg					
		Fault gouge 45°					
		A slickenside gouge fault oblique the rock @ 45 dtca.There is no mineralization associated with this fault.					
510.00	540.00	Fln	510.00	511.50	Q207668	1.50	<0.005
		Foliation 40°	511.50	513.00	Q207669	1.50	<0.005
		weak to moderate pervassive foliation	513.00	514.50	Q207670	1.50	0.006
			514.50	516.00	Q207671	1.50	0.005
			516.00	517.50	Q207672	1.50	0.006
			517.50	519.00	Q207673	1.50	0.006
			519.00	520.50	Q207674	1.50	0.007
			520.50	522.00	Q207677	1.50	<0.005
			522.00	523.50	Q207678	1.50	0.009
			523.50	525.00	Q207679	1.50	0.013
			525.00	526.50	Q207680	1.50	0.011
			526.50	528.00	Q207681	1.50	0.012
			528.00	529.50	Q207682	1.50	0.013
			529.50	531.00	Q207683	1.50	0.008
			531.00	532.50	Q207684	1.50	0.006
			532.50	534.00	Q207685	1.50	0.01

Description	Assay				
	From	To	Sample number	Length	AuBest
	534.00	535.50	Q207686	1.50	<0.005
	535.50	537.00	Q207687	1.50	0.01
	537.00	538.50	Q207688	1.50	0.015
	538.50	540.00	Q207689	1.50	0.008
540.00	**End of DDH**				
	Number of samples: 351				
	Number of QAQC samples: 28				
	Total sampled length: 526.00				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_77

Drilled by:	Major	Claims title:	L9986	Section:	
Described by:	Gilles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	31/03/2014	Description date:	10/04/2014
		To:	06/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 417.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,589.422
North	0.0	0.000	5,332,022.636
Elevation	0.0	0.000	330.555

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	168.00	353.9°	-54.6°	No	Mag = 56839
ReflexEZS	228.00	352.0°	-53.4°	No	Mag = 56295
ReflexEZS	288.00	355.0°	-52.0°	No	Mag = 55615
ReflexEZS	348.00	346.5°	-49.3°	Yes	Mag = 56114
ReflexEZS	408.00	352.3°	-44.9°	No	Mag = 96143

Description

End of sampling at 402 m Box 45. It was asked not to sample this part of the hole.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	156.30	OVB **Overburden** Overburden					
156.30	259.20	MT; Fol **Mafic Tuff; Foliated** Medium grey, fine grained moderately foliated mafic tuff with lapilli tuff intervals up hole and occasional narrow flow banded trachyte intervals. There is a moderate to strong pervasive calcitic alteration, localized strong to intense vein-controlled potassic alteration, weak serecitic alteration and a weak dark green/black chloritic alteration. Leucoxene can be seen throughout the interval. This unit is weakly to moderately magnetic. Common dark red qtz/k-spar +/- chlorite veining up to 70cm wide with strong to intense potassic alteration. Py is generally trace to 0.5% but is locally up to 3% associated with the potassically altered veining.					
156.30	259.20	Ca; K; Cl; Se; Lcx **Calcite; Potassic; Chlorite; Sericite; Leucoxene** Moderate to strong pervasive calcitic alteration. Localized strong to intense vein-controlled potassic alteration with some weak patches between veining intervals. Weak to locally moderate fracture and vein-controlled dark green/black chloritic alteration. Weak to locally moderate wispy sericitic alteration. Weak to locally moderate leucoxene alteration.	156.30	157.50	Q288404	1.20	<0.005
			157.50	159.00	Q288405	1.50	<0.005
159.00	163.50	Py00.5 **Pyrite 0.5%** Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.	159.00	160.50	Q288406	1.50	<0.005
160.00	160.25	Vn;70%;Qcc;Ra;;Py01; **vein (5 mm - 10 cm) 70% random** Narrow, randomly oriented qtz/k-spar/chlorite veining over 25cm with strong to intense potassic alteration with up to 1% py.	160.50	162.00	Q288407	1.50	<0.005
			162.00	163.50	Q288408	1.50	<0.005
162.40	162.70	Vn;80%;Qcc;Ra;;Py00.5; **vein (5 mm - 10 cm) 80% random** Narrow, randomly oriented qtz/k-spar/chlorite veining over 30cm with strong to intense potassic alteration with 0.5% py.	163.50	164.40	Q288409	0.90	<0.005
			164.40	165.20	MU14_77_164.40_165.20	0.80	
			165.20	166.50	Q288410	1.30	<0.005
166.50	168.00	Py00.5 **Pyrite 0.5%** Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.	166.50	168.00	Q288411	1.50	<0.005
			168.00	169.50	Q288412	1.50	<0.005
			169.50	171.00	Q288413	1.50	<0.005
			171.00	172.50	Q288414	1.50	<0.005
171.40	171.60	Vn;80%;Qcc;Ra;;; **vein (5 mm - 10 cm) 80% random** Narrow, randomly oriented qtz/k-spar/chlorite veining over 20cm with strong to intense potassic alteration with up to 1% py	172.50	174.00	Q288415	1.50	<0.005
			174.00	175.50	Q288416	1.50	<0.005
			175.50	177.00	Q288417	1.50	<0.005
176.70	183.00	Py00.5 **Pyrite 0.5%** Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.	177.00	178.50	Q288418	1.50	<0.005
			178.50	180.00	Q288419	1.50	0.005
			180.00	181.50	Q288420	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			181.50	183.00	Q288421	1.50	<0.005
			183.00	184.50	Q288422	1.50	<0.005
			184.50	186.00	Q288423	1.50	<0.005
			186.00	187.50	Q288424	1.50	<0.005
			187.50	189.00	Q288427	1.50	<0.005
			189.00	190.50	Q288428	1.50	<0.005
			190.50	192.00	Q288429	1.50	0.005
191.00	192.80	Py01	192.00	193.50	Q288430	1.50	<0.005
		Pyrite 1%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
192.80	201.70	Py00.5	193.50	195.00	Q288431	1.50	<0.005
		Pyrite 0.5%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
194.60	195.90	Vn;40%;Qcc;Ra;;Py00.5;	195.00	196.50	Q288432	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 0.5%	196.50	198.00	Q288433	1.50	<0.005
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 1.3m with strong to intense potassic alteration	198.00	199.50	Q288434	1.50	<0.005
		with 0.5% py	199.50	201.00	Q288435	1.50	<0.005
200.40	207.10	Vn;20%;Qcc;Ra;;Py00.5;	201.00	202.50	Q288436	1.50	<0.005
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random Pyrite 0.5%	202.50	204.00	Q288437	1.50	<0.005
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 6.7m with strong to intense potassic alteration	204.00	205.50	Q288438	1.50	<0.005
		with 0.5% py.	205.50	207.00	Q288439	1.50	<0.005
			207.00	208.50	Q288440	1.50	<0.005
			208.50	210.00	Q288441	1.50	<0.005
			210.00	211.50	Q288442	1.50	<0.005
			211.50	213.00	Q288443	1.50	<0.005
			213.00	214.50	Q288444	1.50	<0.005
213.30	216.70	Py01	214.50	216.00	Q288445	1.50	<0.005
		Pyrite 1%	216.00	217.50	Q288446	1.50	<0.005
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
216.70	222.50	Py00.5	217.50	219.00	Q288447	1.50	<0.005
		Pyrite 0.5%	219.00	220.50	Q288448	1.50	<0.005
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.	220.50	222.00	Q288449	1.50	<0.005
			222.00	223.50	Q209002	1.50	<0.005
			223.50	225.00	Q209003	1.50	0.012
224.00	225.60	Vn;30%;Qcc;Ra;;Py00.2;					

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 30% quartz-calcite-chlorite random Pyrite 0.2%					
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 1.6m with strong to intense potassic alteration with 0.2% py					
224.80	226.00	Py01	225.00	226.50	Q209004	1.50	<0.005
		Pyrite 1%	226.50	228.00	Q209005	1.50	<0.005
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
227.60	228.00	Vn;40%;Qcc;Ra;;Py00.5;	228.00	229.50	Q209006	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 0.5%	229.50	231.00	Q209007	1.50	0.01
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 40cm with strong to intense potassic alteration with 0.5% py.					
230.00	240.60	Py01					
		Pyrite 1%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration. Locally up to 3% py (2310-231.6m).					
230.80	234.00	Vn;10%;Qcc;Ra;;Py01;	231.00	232.50	Q209008	1.50	0.014
		vein (5 mm - 10 cm) 10% quartz-calcite-chlorite random Pyrite 1%	232.50	234.00	Q209009	1.50	0.011
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 1.2m with strong to intense potassic alteration with up to 3% py.	234.00	235.50	Q209010	1.50	0.013
			235.50	237.00	Q209011	1.50	<0.005
236.50	242.60	Vn;10%;Qcc;Ra;;Py01;	237.00	238.50	Q209012	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-calcite-chlorite random Pyrite 1%	238.50	240.00	Q209013	1.50	0.015
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 6.1m with strong to intense potassic alteration with up to 1% py	240.00	241.50	Q209014	1.50	0.005
240.60	244.00	Py00.5	241.50	243.00	Q209015	1.50	0.01
		Pyrite 0.5%	243.00	244.50	Q209016	1.50	0.01
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
244.00	246.00	Py01	244.50	246.00	Q209017	1.50	0.012
		Pyrite 1%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
245.60	246.00	Vn;40%;Qcc;Ra;;Py01;	246.00	247.50	Q209018	1.50	0.012
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 1%					
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 40cm with strong to intense potassic alteration with up to 1% py.					
247.20	250.80	Vn;20%;Qcc;Ra;;Py00.5;	247.50	249.00	Q209019	1.50	0.107
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random Pyrite 0.5%	249.00	250.50	Q209020	1.50	0.009
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 3.6m with strong to intense potassic alteration with 0.5% py.	250.50	252.00	Q209021	1.50	0.006
			252.00	253.50	Q209022	1.50	<0.005
			253.50	255.00	Q209023	1.50	<0.005
			255.00	256.50	Q209024	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			256.50	258.00	Q209027	1.50	<0.005
			258.00	259.50	Q209028	1.50	<0.005
259.20	265.80	V4					
		Trachyte					
		Dark grey fine grained massive to weakly foliated trachyte. Moderate to strong pervasive calcitic alteration. Weak patchy potassic alteration. Weak fracture-controlled dark green chloritic alteration. Strongly magnetic. <1% very narrow (up to 3mm) calcite veinlets. Generally trace py.					
259.20	265.80	Ca02; K; Cl	259.50	261.00	Q209029	1.50	<0.005
		Calcite 2; Potassic; Chlorite	261.00	262.50	Q209030	1.50	<0.005
		Moderate to strong pervasive calcitic alteration. Weak patchy potassic alteration. Weak fracture-controlled chloritic alteration.	262.50	264.00	Q209031	1.50	<0.005
			264.00	265.50	Q209032	1.50	<0.005
			265.50	267.00	Q209033	1.50	<0.005
265.80	274.55	MT; Fol					
		Mafic Tuff 40°; Foliated					
		Medium green-grey, fine grained foliated mafic tuff. There is a moderate to strong pervasive calcitic alteration, a moderate medium to dark green chloritic alteration and a weak patchy potassic alteration. This unit is weakly to moderately magnetic. Occasional (1%) irregular qtz/calcite/chlorite veining with minor potassic alteration. Py is generally trace but is locally up to 0.5% associated with the potassically altered veining. .					
265.80	274.55	Ca02; Cl02; K01	267.00	268.50	Q209034	1.50	0.009
		Calcite 2; Chlorite 2; Potassic 1	268.50	270.00	Q209035	1.50	0.008
		There is a moderate to strong pervasive calcitic alteration, a moderate medium to dark green chloritic alteration and a weak patchy potassic alteration.	270.00	271.50	Q209036	1.50	<0.005
			271.50	273.00	Q209037	1.50	<0.005
			273.00	274.50	Q209038	1.50	<0.005
			274.50	276.00	Q209039	1.50	<0.005
274.55	289.50	V4; Mass					
		Trachyte 55°; Massive					
		Dark grey fine grained massive to weakly foliated trachyte. There is a moderate to strong pervasive calcitic alteration, a moderate medium to dark green chloritic alteration and a weak patchy potassic alteration. Weakly to moderately magnetic. 1% narrow (<1cm wide) qtz/calcite veining. Trace py.					
274.55	289.50	Ca02; Cl02; K01	276.00	277.50	Q209040	1.50	<0.005
		Calcite 2; Chlorite 2; Potassic 1	277.50	279.00	Q209041	1.50	<0.005
		There is a moderate to strong pervasive calcitic alteration, a moderate medium to dark green chloritic alteration and a weak patchy potassic alteration.	279.00	280.50	Q209042	1.50	<0.005
			280.50	282.00	Q209043	1.50	<0.005
			282.00	283.50	Q209044	1.50	<0.005
			283.50	285.00	Q209045	1.50	<0.005
			285.00	286.50	Q209046	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			286.50	288.00	Q209047	1.50	<0.005
			288.00	289.50	Q209048	1.50	<0.005
289.50	297.40	MI; Mass					
		Mafic Intrusion 30°; Massive					
		Dark grey fine to medium grained massive mafic intrusive with sharp chilled contacts at 30/35 dtca. Moderate to strong calcitic alteration, weak fracture-controlled chloritic alteration and a weak patchy potassic alteration. Moderately to strongly magnetic. Trace py. Lower contact marked by wormy qtz/calcite veining.					
289.50	297.40	Ca02; Cl01; K01	289.50	291.00	Q209049	1.50	0.01
		Calcite 2; Chlorite 1; Potassic 1	291.00	292.50	Q209052	1.50	<0.005
		Moderate to strong calcitic alteration, weak fracture-controlled chloritic alteration and a weak patchy potassic alteration.	292.50	294.00	Q209053	1.50	<0.005
			294.00	295.50	Q209054	1.50	<0.005
			295.50	297.00	Q209055	1.50	0.005
297.00	304.80	Vn;3%;Qcc;Ra;;Cp00.1;	297.00	298.50	Q209056	1.50	0.014
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite random Chalcopyrite 0.1%					
		Narrow, randomly oriented qtz/calcite/chlorite veining with trace cpy.					
297.40	305.20	V4; Mass					
		Trachyte 35°; Massive					
		Maroon-red fine grained massive trachyte with localized weak foliation. Moderate to strong pervasive potassic alteration, weak to moderate chloritic alteration and weak pervasive calcitic alteration. Brecciated interval from 297.4 to 300.5m. 3% qtz/calcite/chlorite veining. Moderately magnetic. Generally trace py with trace cpy associated with veining.					
297.40	305.20	K02; Cl01; Ca01	298.50	300.00	Q209057	1.50	<0.005
		Potassic 2; Chlorite 1; Calcite 1	300.00	301.50	Q209058	1.50	<0.005
		Moderate to strong pervasive potassic alteration, weak to moderate chloritic alteration and weak pervasive calcitic alteration.	301.50	303.00	Q209059	1.50	<0.005
			303.00	304.50	Q209060	1.50	<0.005
			304.50	306.00	Q209061	1.50	<0.005
305.20	365.34	MT; Fol					
		Mafic Tuff; Foliated					
		Dark grey fine grained moderately foliated mafic tuff. Upper contact marked by 50cm of broken blocky core with minor gouge and occasional brecciated intervals down hole. Moderate chlorite alteration, weak to moderate patchy potassic alteration with moderate to strong localized vein-controlled potassic alteration, weak pervasive calcitic alteration and leucoxene throughout the interval. Weakly to moderately magnetic. 3% dark red qtz/k-spar/chlorite veining with strong potassic alteration. Generally trace to 0.5% disseminated py but locally up to 1% associated with potassic alteration. Trace to 1% local chalcopyrite associated with veining.					
305.20	365.34	Cl02; K02; Ca01; Lcx01					
		Chlorite 2; Potassic 2; Calcite 1; Leucoxene 1					
		Moderate chlorite alteration, weak to moderate patchy potassic alteration with moderate to strong localized vein-controlled potassic alteration, weak pervasive calcitic alteration and leucoxene throughout					

Description			Assay				
			From	To	Sample number	Length	AuBest
		the interval.					
305.20	305.70	Bxo					
		Breccia open					
		Broken blocky core with minor fault gouge. Contact angles not preserved.					
305.70	313.20	Py00.5	306.00	307.50	Q209062	1.50	0.007
		Pyrite 0.5%	307.50	309.00	Q209063	1.50	0.02
		Sub to euhedral pyrite associated with patchy potassic alteration.	309.00	310.50	Q209064	1.50	0.046
			310.50	312.00	Q209065	1.50	0.031
			312.00	313.50	Q209066	1.50	0.009
			313.50	315.00	Q209067	1.50	0.006
314.10	314.30	Cp01	315.00	316.50	Q209068	1.50	0.011
		Chalcopyrite 1%	316.50	318.00	Q209069	1.50	<0.005
		Chalcopyrite associated with qtz/calcite/chlorite fracture fill.	318.00	319.50	Q209070	1.50	0.005
319.30	323.80	Bxh					
		Breccia healed					
		Various sized angular to subrounded and in situ clasts in a fine-grained groundmass.					
319.40	320.70	Py00.5; Cp00.2					
		Pyrite 0.5%; Chalcopyrite 0.2%					
		Sub to euhedral pyrite (0.5%) associated with patchy and vein controlled potassic alteration and 0.2% chalcopyrite associated with qtz/chlorite veinlets.					
319.40	320.70	Vn;40%;Qcc;Ra;;Py00.5 Cp00.2;	319.50	321.00	Q209071	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 0.5% Chalcopyrite 0.2%	321.00	322.50	Q209072	1.50	0.008
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 1.3m with strong to intense potassic alteration with 0.5% py and 0.2% cpy.	322.50	324.00	Q209073	1.50	0.007
324.00	332.70	Py01	324.00	325.50	Q209074	1.50	0.007
		Pyrite 1%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
324.70	325.10	Vn;40%;Qcc;Ra;;Py00.5;	325.50	327.00	Q209077	1.50	0.011
		vein (5 mm - 10 cm) 40% quartz-calcite-chlorite random Pyrite 0.5%	327.00	328.50	Q209078	1.50	0.008
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 40cm with strong to intense potassic alteration with 0.5% py	328.50	330.00	Q209079	1.50	0.008
			330.00	331.50	Q209080	1.50	0.009
			331.50	333.00	Q209081	1.50	<0.005
			333.00	334.50	Q209082	1.50	<0.005
			334.50	336.00	Q209083	1.50	0.008
335.00	338.50	Py00.5					
		Pyrite 0.5%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					

Description			Assay				
			From	To	Sample number	Length	AuBest
335.10	335.55	Vn;30%;Qcc;Ra;;Py00.5;	336.00	337.50	Q209084	1.50	0.011
		vein (5 mm - 10 cm) 30% quartz-calcite-chlorite random Pyrite 0.5%	337.50	339.00	Q209085	1.50	0.01
		Narrow, randomly oriented qtz/k-spar/chlorite veining over 45cm with strong to intense potassic	339.00	340.50	Q209086	1.50	0.019
		alteration with 0.5% py	340.50	342.00	Q209087	1.50	0.012
			342.00	343.50	Q209088	1.50	0.02
			343.50	345.00	Q209089	1.50	0.015
			345.00	346.50	Q209090	1.50	0.018
			346.50	348.00	Q209091	1.50	0.018
			348.00	349.50	Q209092	1.50	0.016
			349.50	351.00	Q209093	1.50	0.016
			351.00	352.50	Q209094	1.50	0.018
352.00	355.20	Py00.5	352.50	354.00	Q209095	1.50	0.012
		Pyrite 0.5%	354.00	355.50	Q209096	1.50	0.021
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.	355.50	357.00	Q209097	1.50	0.018
			357.00	358.50	Q209098	1.50	0.017
357.50	360.30	Py00.5	358.50	360.00	Q209099	1.50	0.01
		Pyrite 0.5%	360.00	361.50	Q209102	1.50	0.008
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.	361.50	363.00	Q209103	1.50	0.007
			363.00	364.50	Q209104	1.50	0.006
363.60	368.20	Py00.5	364.50	366.00	Q209105	1.50	0.013
		Pyrite 0.5%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
365.34	397.70	V4; Mass					
		Trachyte 45°; Massive					
		Medium to dark grey fine grained massive trachyte. Weak to locally moderate pervasive calcitic alteration.					
		Weak patchy potassic alteration. Weak fracture-controlled dark green chloritic alteration. Weakly magnetic.					
		<1% very narrow (up to 3mm) calcite veinlets. Generally trace to 0.5% py.					
365.34	397.70	Ca01; K01; Cl01	366.00	367.50	Q209106	1.50	0.008
		Calcite 1; Potassic 1; Chlorite 1	367.50	369.00	Q209107	1.50	0.013
		Weak to locally moderate pervasive calcitic alteration. Weak patchy potassic alteration. Weak	369.00	370.50	Q209108	1.50	0.01
		fracture-controlled dark green chloritic alteration.					
370.00	378.60	Py00.5					
		Pyrite 0.5%					
		Sub to euhedral pyrite associated with patchy and vein controlled potassic alteration.					
370.20	379.00	FracZn	370.50	372.00	Q209109	1.50	0.011
		Fracture Zone	372.00	373.50	Q209110	1.50	0.015
		Broken blocky core.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			373.50	375.00	Q209111	1.50	0.015
			375.00	376.50	Q209112	1.50	0.006
			376.50	378.00	Q209113	1.50	0.006
			378.00	379.50	Q209114	1.50	0.005
			379.50	381.00	Q209115	1.50	0.006
			381.00	382.50	Q209116	1.50	0.008
			382.50	384.00	Q209117	1.50	0.006
			384.00	385.50	Q209118	1.50	0.01
			385.50	387.00	Q209119	1.50	<0.005
			387.00	388.50	Q209120	1.50	<0.005
			388.50	390.00	Q209121	1.50	<0.005
			390.00	391.50	Q209122	1.50	<0.005
			391.50	393.00	Q209123	1.50	<0.005
			393.00	394.50	Q209124	1.50	0.005
			394.50	396.00	Q209127	1.50	<0.005
			396.00	397.50	Q209128	1.50	<0.005
			397.50	399.00	Q209129	1.50	<0.005
397.70	417.00	3D; Mass **Diabase; Massive** Black medium grained massive diabase. Upper contact marked by 1.3m of broken blocky core with minor chloritic(?) gouge. Moderate fracture-controlled chloritic alteration, weak vein-controlled calcitic alteration. Moderately to strongly magnetic. <1% calcite veining. Trace py.					
397.70	417.00	Cl02; Ca01 **Chlorite 2; Calcite 1** Moderate fracture-controlled chloritic alteration, weak vein-controlled calcitic alteration.	399.00 400.50	400.50 402.00	Q209130 Q209131	1.50 1.50	<0.005 <0.005
397.70	399.00	FAZ **Fault Zone** 1.3m of broken blocky core with minor chloritic(?) gouge that marks the upper contact of the diabase unit.					
417.00	**End of DDH** **Number of samples: 165** **Number of QAQC samples: 14** **Total sampled length: 245.70**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_78

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	A Richardson	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	04/04/2014	Description date:	10/04/2014
		To:	08/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 420.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,405.936
North	0.0	0.000	5,331,490.291
Elevation	0.0	0.000	341.941

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	42.00	3.7°	-49.9°	No	Mag = 56159
ReflexEZS	102.00	5.0°	-49.6°	No	Mag = 56058
ReflexEZS	162.00	6.7°	-47.3°	No	Mag = 55929
ReflexEZS	222.00	6.8°	-46.3°	No	Mag = 55600
ReflexEZS	282.00	9.9°	-45.2°	No	Mag = 54908
ReflexEZS	342.00	12.2°	-45.1°	No	Mag = 55216
ReflexEZS	402.00	14.7°	-44.1°	No	Mag = 55272

Description

Re_logging By Reza Hosseinnejad

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	27.53	OVB; Undie **Overburden; UNDEFINED** Casing					
27.50	32.00	Py01 **Pyrite 1%** Fine grained disseminated.					
27.53	117.00	V4; Vol **Trachyte; VOLCANICLASTIC** The hole begins in reddish and green grey ground mass volcanoclasts trachyte contains angular potassic clasts size 1-10mm up to 30%.There's no preferred orientation of the clasts also there is a large variety of clast. The hole starts with intense pervasive potassic alteration and at 50.52 only the clasts shows strong potassic alteration. Somewhere the ground mass shows porphyritic or crystal rich texture (49.50-54.50).The intensity and kind of alteration change predominantly. Intense pervasive potassic and sericite and moderate pervasive ankerite overprint. Mineralization consist locally fine grained disseminated pyrite up 0.3%. Chlorite veins veinlets and splash throughout the rock almost parallel to core axes up to 4%.	27.53	29.00	Q204930	1.47	0.183
			29.00	30.50	Q204931	1.50	0.289
			30.50	32.00	Q204932	1.50	0.303
27.53	36.25	K03; Ank02 **Potassic 3; Ankerite 2** Pervasive intense potassic and moderate pervasive ankerite alteration.					
32.00	35.00	Py00.5 **Pyrite 0.5%** Fine grained disseminated.	32.00	33.50	Q204933	1.50	0.509
			33.50	35.00	Q204934	1.50	0.272
35.00	36.00	Py00.5 **Pyrite 0.5%** Trace grained disseminated.	35.00	36.50	Q204935	1.50	0.12
36.00	37.50	Py00.1 **Pyrite 0.1%** Trace					
36.25	48.20	Ank03; Cl03; K01 **Ankerite 3; Chlorite 3; Potassic 1** In this interval the volcano clasts shows intense potassic and ground mass shows strong pervasive ankerite and chlorite alteration.	36.50	38.00	Q204936	1.50	0.137
37.50	117.00	Py00.1 **Pyrite 0.1%** Trace	38.00	39.50	Q204937	1.50	0.023
			39.50	41.00	Q204938	1.50	0.065

Description			Assay				
			From	To	Sample number	Length	AuBest
			41.00	42.50	Q204939	1.50	0.013
			42.50	44.00	Q204940	1.50	0.006
			44.00	45.50	Q204941	1.50	0.006
			45.50	47.00	Q204942	1.50	0.061
			47.00	48.50	Q204943	1.50	0.109
48.20	54.25	K03; Cl01; Ank02	48.50	50.00	Q204944	1.50	0.039
		Potassic 3; Chlorite 1; Ankerite 2	50.00	51.50	Q204945	1.50	0.019
		Pervasive intense potassic and moderate ankerite and chlorite(veinlets) alteration.	51.50	53.00	Q204946	1.50	0.009
			53.00	54.50	Q204947	1.50	0.008
54.00	117.00	Fln					
		Foliation 60°					
		Weak foliation					
54.25	89.00	Ank02; K01; Cl01	54.50	56.00	Q204948	1.50	0.015
		Ankerite 2; Potassic 1; Chlorite 1	56.00	57.50	Q204949	1.50	0.011
		In this interval the volcano clasts shows intense potassic and ground mass shows strong pervasive	57.50	59.00	Q204952	1.50	0.021
		ankerite, sericite and chlorite alteration.	59.00	60.50	Q204953	1.50	0.025
			60.50	62.00	Q204954	1.50	0.038
			62.00	63.50	Q204955	1.50	0.024
			63.50	65.00	Q204956	1.50	0.027
			65.00	66.50	Q204957	1.50	0.037
			66.50	68.00	Q204958	1.50	0.028
			68.00	69.50	Q204959	1.50	0.024
			69.50	71.00	Q204960	1.50	0.018
			71.00	72.50	Q204961	1.50	0.008
			72.50	74.00	Q204962	1.50	<0.005
			74.00	75.50	Q204963	1.50	0.006
			75.50	77.00	Q204964	1.50	0.011
			77.00	78.50	Q204965	1.50	0.005
			78.50	80.00	Q204966	1.50	0.006
			80.00	81.50	Q204967	1.50	<0.005
			81.50	83.00	Q204968	1.50	<0.005
			83.00	84.50	Q204969	1.50	<0.005
			84.50	86.00	Q204970	1.50	<0.005
			86.00	87.50	Q204971	1.50	0.035

Description			Assay				
			From	To	Sample number	Length	AuBest
			87.50	89.00	Q204972	1.50	0.011
89.00	117.00	Cl02; Ank02; Se03	89.00	90.50	Q204973	1.50	0.009
		Chlorite 2; Ankerite 2; Sericite 3	90.50	92.00	Q204974	1.50	0.007
		Pervasive intense sericite, ankerite and moderate chlorite alteration.	92.00	93.50	Q204977	1.50	<0.005
			93.50	95.00	Q204978	1.50	0.006
			95.00	96.50	Q204979	1.50	0.01
			96.50	98.00	Q204980	1.50	0.007
			98.00	99.50	Q204981	1.50	0.005
			99.50	101.00	Q204982	1.50	0.009
			101.00	102.50	Q204983	1.50	0.005
			102.50	104.00	Q204984	1.50	<0.005
			104.00	105.50	Q204985	1.50	<0.005
			105.50	107.00	Q204986	1.50	0.006
			107.00	108.50	Q204987	1.50	0.025
			108.50	110.00	Q204988	1.50	0.099
			110.00	111.50	Q204989	1.50	0.04
			111.50	113.00	Q204990	1.50	0.04
			113.00	114.50	Q204991	1.50	0.012
			114.50	116.00	Q204992	1.50	0.072
			116.00	117.50	Q204993	1.50	0.02
117.00	230.00	V4Tl; LapTuff					
		Trachytic lapilli tuff; LAPILLI TUFF/AGGLOMERATE 60°					
		In this point the holes grade into lapilli trachyte tuff weak to moderate foliated @60 dtca with light to dark green color and fine to medium grained texture. The whitish creamy rounded sub rounded lapilli size 1-10 mm shows more developed foliation. The lapilli and agglomerate elongated on plan of foliation. The intensity of alteration and the grained size in this unit is changed predominantly.					
		Pervasive moderate to intense sericite and chlorite also weak to moderate ankerite selective alteration. The rock is not magnetic. This unit start with non calcitic and after 230m become strongly calcitic. The ankerite decrease and replace by calcite. Quartz veins and mineralization are trace.					
		From 225-232.5 a series of creamy whitish ankretic veins wide 2-5mm cut the rock parallel to foliation.					
		From 273.5-284 A series of quartz with ankerite and minor calcite wide 5-40 mm run parallel to the foliation. This interval also shows strongly sericite and moderate chlorite alteration. There is no mineralization associated with these structures.					
		From 286.2 -286.90 the foliation change from 30 to parallel to foliation and finally shows local folding.					
		From 273.5 the rock shows strongly pervasive magnetism and pink calcitic alteration.					
117.00	178.00	Se03; Ank02; Cl02					
		Sericite 3; Ankerite 2; Chlorite 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Intense pervasive sericite, moderate selective ankerite and intense selective chlorite alteration.					
117.00	230.00	Fln					
		Foliation 55°					
		Moderate pervasive foliation					
117.00	230.00	Py00.3	117.50	119.00	Q204994	1.50	0.017
		Pyrite 0.3%	119.00	120.50	Q204995	1.50	<0.005
		Trcae	120.50	122.00	Q204996	1.50	0.008
			122.00	123.50	Q204997	1.50	0.012
			123.50	125.00	Q204998	1.50	<0.005
			125.00	126.50	Q204999	1.50	<0.005
			126.50	128.00	Q300002	1.50	<0.005
			128.00	129.50	Q300003	1.50	<0.005
			129.50	131.00	Q300004	1.50	0.009
			131.00	132.50	Q300005	1.50	0.007
			132.50	134.00	Q300006	1.50	<0.005
			134.00	135.50	Q300007	1.50	<0.005
			135.50	137.00	Q300008	1.50	0.012
			137.00	138.50	Q300009	1.50	0.007
			138.50	140.00	Q300010	1.50	0.006
			140.00	141.50	Q300011	1.50	0.012
			141.50	143.00	Q300012	1.50	0.009
			143.00	144.50	Q300013	1.50	0.006
			144.50	146.00	Q300014	1.50	<0.005
			146.00	147.50	Q300015	1.50	0.005
			147.50	149.00	Q300016	1.50	0.006
			149.00	150.50	Q300017	1.50	<0.005
			150.50	152.00	Q300018	1.50	0.005
			152.00	153.50	Q300019	1.50	<0.005
			153.50	155.00	Q300020	1.50	<0.005
			155.00	156.50	Q300021	1.50	<0.005
			156.50	158.00	Q300022	1.50	0.015
			158.00	159.50	Q300023	1.50	0.021
			159.50	161.00	Q300024	1.50	0.014
			161.00	162.50	Q300027	1.50	0.011
			162.50	164.00	Q300028	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			164.00	165.50	Q300029	1.50	0.009
			165.50	167.00	Q300030	1.50	0.006
			167.00	168.50	Q300031	1.50	<0.005
			168.50	170.00	Q300032	1.50	<0.005
			170.00	171.50	Q300033	1.50	<0.005
			171.50	173.00	Q300034	1.50	<0.005
			173.00	174.50	Q300035	1.50	<0.005
			174.50	176.00	Q300036	1.50	<0.005
			176.00	177.50	Q300037	1.50	<0.005
			177.50	179.00	Q300038	1.50	<0.005
178.00	230.00	Cl03; Se02; Ank02	179.00	180.50	Q300039	1.50	0.005
		Chlorite 3; Sericite 2; Ankerite 2	180.50	182.00	Q300040	1.50	<0.005
		Intense pervasive chorite, moderate selective ankerite and intense selective sericite alteration.	182.00	183.50	Q300041	1.50	<0.005
			183.50	185.00	Q300042	1.50	0.005
			185.00	186.50	Q300043	1.50	0.007
			186.50	188.00	Q300044	1.50	0.005
			188.00	189.50	Q300045	1.50	0.008
			189.50	191.00	Q300046	1.50	0.005
			191.00	192.50	Q300047	1.50	<0.005
			192.50	194.00	Q300048	1.50	<0.005
			194.00	195.50	Q300049	1.50	<0.005
			195.50	197.00	Q300052	1.50	0.008
			197.00	198.50	Q300053	1.50	0.005
			198.50	200.00	Q300054	1.50	0.008
			200.00	201.50	Q300055	1.50	0.006
			201.50	203.00	Q300056	1.50	0.007
			203.00	204.50	Q300057	1.50	0.007
			204.50	206.00	Q300058	1.50	0.009
			206.00	207.50	Q300059	1.50	0.012
			207.50	209.00	Q300060	1.50	0.007
			209.00	210.50	Q300061	1.50	0.016
			210.50	212.00	Q300062	1.50	0.005
			212.00	213.50	Q300063	1.50	0.011
			213.50	215.00	Q300064	1.50	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
			215.00	216.50	Q300065	1.50	0.007
			216.50	218.00	Q300066	1.50	0.009
			218.00	219.50	Q300067	1.50	0.007
			219.50	221.00	Q300068	1.50	0.005
			221.00	222.50	Q300069	1.50	<0.005
			222.50	224.00	Q300070	1.50	0.005
			224.00	225.50	Q300071	1.50	0.005
225.00	232.50	Vt;20%;Ak;Vn;;;	225.50	227.00	Q300072	1.50	<0.005
		veinlet (1-5 mm) 20% ankerite vein parallel to foliation	227.00	228.50	Q300073	1.50	<0.005
		From 225-232.5 a series of creamy whitish ankretic veins wide 2-5mm cut the rock parallel to foliation.	228.50	230.00	Q300074	1.50	<0.005
230.00	420.00	V9; LapTuff					
		Tuff 60°; LAPILLI TUFF/AGGLOMERATE					
		A gradational change in color to dark green, intense pervasive magnetic and moderate to strongly calcitic marks that the composition of rock has changed. In fact there is not more difference between this unit and upper one. Fine grained matrix contains 15-20% pinkish calcitic lapilli and agglomerate. The lapilli and agglomerate elongated on plan of foliation @30-70 dtca. The rock still is not mineralized by pyrite strongly magnetic and calcitic.					
		Moderate selective calcite and intense pervasive magnetism present..					
		A series of pinkish quartz-calcite veinlets wide 1-5mm cuts @30-90 dtca.					
		From 406.40-406.50 a ankerite feldspar vein cuts the rock @45 dtca. There is no mineralization associated with this vein.					
		From 355-366 the composition of rock is trachytic and in this interval the ankretic lapilli foliation variety from 0-90 and shows weak crenulations and weaker deformations.					
230.00	420.00	Cl02; Se01; Ca03					
		Chlorite 2; Sericite 1; Calcite 3					
		Moderate pervasive chorite, weak selective sericite and intense selective calcite alteration.					
230.00	286.20	Fln					
		Foliation 60°					
		well foliated throughout the unit @60					
230.00	420.00	Py00.2	230.00	231.50	Q300077	1.50	<0.005
		Pyrite 0.2%	231.50	233.00	Q300078	1.50	<0.005
		Trace fine grained disseminated.	233.00	234.50	Q300079	1.50	<0.005
			234.50	236.00	Q300080	1.50	<0.005
			236.00	237.50	Q300081	1.50	<0.005
			237.50	239.00	Q300082	1.50	<0.005
			239.00	240.50	Q300083	1.50	<0.005
			240.50	242.00	Q300084	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			242.00	243.50	Q300085	1.50	<0.005
			243.50	245.00	Q300086	1.50	<0.005
			245.00	246.50	Q300087	1.50	<0.005
			246.50	248.00	Q300088	1.50	<0.005
			248.00	249.50	Q300089	1.50	<0.005
			249.50	251.00	Q300090	1.50	<0.005
			251.00	252.50	Q300091	1.50	<0.005
			252.50	254.00	Q300092	1.50	<0.005
			254.00	255.50	Q300093	1.50	<0.005
			255.50	257.00	Q300094	1.50	<0.005
			257.00	258.50	Q300095	1.50	<0.005
			258.50	260.00	Q300096	1.50	<0.005
			260.00	261.50	Q300097	1.50	<0.005
			261.50	263.00	Q300098	1.50	<0.005
			263.00	264.50	Q300099	1.50	<0.005
			264.50	266.00	Q300102	1.50	<0.005
			266.00	267.50	Q300103	1.50	<0.005
			267.50	269.00	Q300104	1.50	<0.005
			269.00	270.50	Q300105	1.50	<0.005
			270.50	272.00	Q300106	1.50	<0.005
			272.00	273.50	Q300107	1.50	<0.005
273.50	285.00	Vn;7%;Qak Ca;Vn;60°;;	273.50	275.00	Q300108	1.50	<0.005
		vein (5 mm - 10 cm) 7% quartz-ankerite calcite vein parallel to foliation 60°	275.00	276.50	Q300109	1.50	0.01
		A series of quartz with ankerite and minor calcite run parallel to foliation. This interval also shows	276.50	278.00	Q300110	1.50	0.02
		strongly sericite and moderate chlorite alteration. There is no mineralization associated with these	278.00	279.50	Q300111	1.50	<0.005
		structures.	279.50	281.00	Q300112	1.50	<0.005
			281.00	282.50	Q300113	1.50	<0.005
			282.50	284.00	Q300114	1.50	<0.005
			284.00	285.50	Q300115	1.50	<0.005
			285.50	287.00	Q300116	1.50	<0.005
286.20	286.90	Fln					
		Foliation 0°					
		From 286.2 -286.90 the foliation change from 30 to parallel to foliation and finally shows local folding.					
286.90	300.00	Fln	287.00	288.50	Q300117	1.50	<0.005
		Foliation 65°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Well foliated throughout the unit @ 60-70 dtca.	288.50	290.00	Q300118	1.50	<0.005
			290.00	291.50	Q300119	1.50	<0.005
			291.50	293.00	Q300120	1.50	<0.005
			293.00	294.50	Q300121	1.50	<0.005
			294.50	296.00	Q300122	1.50	<0.005
294.55	294.65	Vn;90%;Qca;Vn;60°;;	296.00	297.50	Q300123	1.50	0.136
		vein (5 mm - 10 cm) 90% quartz-calcite vein parallel to foliation 60°	297.50	299.00	Q300124	1.50	<0.005
		Two pinkish calcite veins with minor quartz wide 4 and 5 cm run parallel to foliation @ 60 dtca. There is no mineralization associated with these veins.	299.00	300.50	Q300127	1.50	<0.005
300.00	355.00	Fln	300.50	302.00	Q300128	1.50	<0.005
		Foliation 40°	302.00	303.50	Q300129	1.50	<0.005
		Intense pervasive foliation @ 35-45 dtca.	303.50	305.00	Q300130	1.50	0.01
			305.00	306.50	Q300131	1.50	0.012
			306.50	308.00	Q300132	1.50	0.005
			308.00	309.50	Q300133	1.50	<0.005
			309.50	311.00	Q300134	1.50	<0.005
			311.00	312.50	Q300135	1.50	<0.005
			312.50	314.00	Q300136	1.50	0.005
			314.00	315.50	Q300137	1.50	<0.005
			315.50	317.00	Q300138	1.50	<0.005
			317.00	318.50	Q300139	1.50	<0.005
			318.50	320.00	Q300140	1.50	0.006
			320.00	321.50	Q300141	1.50	0.007
			321.50	323.00	Q300142	1.50	0.005
			323.00	324.50	Q300143	1.50	0.007
			324.50	326.00	Q300144	1.50	0.005
			326.00	327.50	Q300145	1.50	<0.005
			327.50	329.00	Q300146	1.50	0.005
			329.00	330.50	Q300147	1.50	0.006
			330.50	332.00	Q300148	1.50	0.007
			332.00	333.50	Q300149	1.50	0.007
			333.50	335.00	Q300152	1.50	0.01
			335.00	336.50	Q300153	1.50	0.007
			336.50	338.00	Q300154	1.50	0.008
			338.00	339.50	Q300155	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			339.50	341.00	Q300156	1.50	0.008
			341.00	342.50	Q300157	1.50	<0.005
			342.50	344.00	Q300158	1.50	0.008
			344.00	345.50	Q300159	1.50	0.01
			345.50	347.00	Q300160	1.50	<0.005
			347.00	348.50	Q300161	1.50	0.005
			348.50	350.00	Q300162	1.50	0.005
			350.00	351.50	Q300163	1.50	<0.005
			351.50	353.00	Q300164	1.50	<0.005
			353.00	354.50	Q300165	1.50	0.007
			354.50	356.00	Q300166	1.50	0.007
355.00	355.01	FLT					
		Fault 30°					
		A narrow cataclasite cross the unit.					
355.01	366.00	FIn	356.00	357.50	Q300167	1.50	0.007
		Foliation 90°	357.50	359.00	Q300168	1.50	0.019
		In this interval the ankrite foliation variety from 0-90 and shows weak crenulations and weaker deformations.	359.00	360.50	Q300169	1.50	0.018
			360.50	362.00	Q300170	1.50	0.012
			362.00	363.50	Q300171	1.50	0.01
			363.50	365.00	Q300172	1.50	<0.005
			365.00	366.50	Q300173	1.50	<0.005
			366.50	368.00	Q300174	1.50	0.006
367.55	367.58	FLT					
		Fault 40°					
		A narrow cataclasite cross the unit.					
367.58	420.00	FIn	368.00	369.50	Q300177	1.50	0.009
		Foliation 40°	369.50	371.00	Q300178	1.50	0.006
		Moderate pervasive foliation @ 35-45 dtca.	371.00	372.50	Q300179	1.50	0.006
			372.50	374.00	Q300180	1.50	0.005
			374.00	375.50	Q300181	1.50	<0.005
			375.50	377.00	Q300182	1.50	<0.005
			377.00	378.50	Q300183	1.50	<0.005
			378.50	380.00	Q300184	1.50	<0.005
			380.00	381.50	Q300185	1.50	0.006
			381.50	383.00	Q300186	1.50	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
			383.00	384.50	Q300187	1.50	0.012
			384.50	386.00	Q300188	1.50	0.011
			386.00	387.50	Q300189	1.50	0.01
			387.50	389.00	Q300190	1.50	0.011
			389.00	390.50	Q300191	1.50	0.011
			390.50	392.00	Q300192	1.50	0.008
			392.00	393.50	Q300193	1.50	0.01
			393.50	395.00	Q300194	1.50	0.012
			395.00	396.50	Q300195	1.50	0.01
			396.50	398.00	Q300196	1.50	0.01
			398.00	399.50	Q300197	1.50	0.018
			399.50	401.00	Q300198	1.50	0.014
			401.00	402.50	Q300199	1.50	<0.005
			402.50	404.00	Q300202	1.50	<0.005
			404.00	405.50	Q300203	1.50	<0.005
404.50	404.53	Vn;90%;Ak;Vn;45°;; **vein (5 mm - 10 cm) 90% ankerite vein parallel to foliation 45°** A narrow ankerite feldspar wide 3 cm vein cuts the rock @45 dtca. There is no mineralization associated with this vein.	405.50	407.00	Q300204	1.50	<0.005
406.40	406.50	Vn;95%;Ak;Vn;45°;; **vein (5 mm - 10 cm) 95% ankerite vein parallel to foliation 45°** A ankerite feldspar wide 10 cm vein cuts the rock @45 dtca. There is no mineralization associated with this vein.	407.00	408.50	Q300205	1.50	0.005
			408.50	410.00	Q300206	1.50	0.007
			410.00	411.50	Q300207	1.50	0.006
			411.50	413.00	Q300208	1.50	0.009
			413.00	414.50	Q300209	1.50	0.011
			414.50	416.00	Q300210	1.50	0.009
			416.00	417.50	Q300211	1.50	0.009
			417.50	419.00	Q300212	1.50	<0.005
			419.00	420.00	Q300213	1.00	0.007
420.00	**End of DDH** **Number of samples: 262** **Number of QAQC samples: 22** **Total sampled length: 392.47**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_78A

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	A Richardson	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	08/04/2014	Description date:	13/04/2014
		To:	22/04/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 749.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,405.924
North	0.0	0.000	5,331,483.417
Elevation	0.0	0.000	341.898

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	42.00	185.4°	-49.9°	No	Mag = 55705
ReflexEZS	102.00	184.9°	-50.2°	No	Mag = 55602
ReflexEZS	162.00	188.5°	-50.2°	No	Mag = 55867
ReflexEZS	222.00	189.2°	-49.5°	No	Mag = 55196
ReflexEZS	282.00	189.5°	-49.7°	No	Mag = 55528
ReflexEZS	342.00	193.5°	-49.7°	No	Mag = 56154
ReflexEZS	402.00	200.3°	-47.9°	No	Mag = 55827
ReflexEZS	462.00	203.2°	-46.1°	No	Mag = 55618
ReflexEZS	522.00	209.4°	-46.7°	Yes	Mag = 58439
ReflexEZS	582.00	204.1°	-45.3°	No	Mag = 54452
ReflexEZS	642.00	209.4°	-43.2°	No	Mag = 55425

Description

Re_Logging by Reza Hosseinnejad

Core size: NQ Cemented: Yes Stored: No

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
ReflexEZS	702.00	210.7°	-41.5°	No	Mag = 54805

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	29.10	OVB					
		Overburden					
		Casing					
29.10	88.49	V4a	29.80	31.00	Q300214	1.20	0.045
		Trachyte Altered	31.00	32.50	Q300215	1.50	0.057
		The hole begins in reddish, pale green to grey aphanitic fragmental (perlitic) trachyte flow with intermittent	32.50	34.00	Q300216	1.50	0.011
		altered trachyte tuff. The unit shows intense potassic, albite, sericite and ankerite alteration. The aphanitic	34.00	35.50	Q300217	1.50	<0.005
		groundmass somewhere is destroyed by alteration and it is difficult to recognize the original rock. Intermittent					
		intense potassic and albetite and selective silica alteration present. The color, intensity and kind of alteration					
		change predominantly. The unit start with isolate intense to weak magnetite and it fade due to increasing pyrite					
		mineralization after 62m. Pervade moderate to strong ankerite and no calcite alteration.					
		Mineralized by very fine to coarse euhedral grained disseminated pyrite, up to 7% locally.					
		A series of quartz ankerite veinlets throughout the rock @ variable orientation up 5%.The rock is hard and					
		cannot scratched by knife.					
29.10	35.50	Ox01; Alb02; Se01; Si02; Ank01					
		Oxidation 1; Albite 2; Sericite 1; Silica 2; Ankerite 1					
		Moerate abitite and silica, weak ankerite and saericite and isolate iron oxidation alteration.					
35.50	36.80	Ank01; K03					
		Ankerite 1; Potassic 3					
		Pervasive Intense potassic and weak ankerite alteration.					
35.50	37.00	Py05	35.50	37.00	Q300218	1.50	0.328
		Pyrite 5%					
		Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%.					
36.80	38.80	Cl02; Se01; Ank01					
		Chlorite 2; Sericite 1; Ankerite 1					
		Weak pervasive sericite and ankerite ,moderate chlorite alteration.					
37.00	38.50	Py05	37.00	38.50	Q300219	1.50	0.045
		Pyrite 5%					
		Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%					
38.50	40.00	Py03	38.50	40.00	Q300220	1.50	0.227
		Pyrite 3%					
		Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%					
38.80	44.00	Ank01; K03; Cl02					
		Ankerite 1; Potassic 3; Chlorite 2					
		Weak ankerite, intense potassic pervasive and moderate selective chlorite alteration .					
40.00	41.50	Py01	40.00	41.50	Q300221	1.50	0.045
		Pyrite 1%					
		Mineralized by very fine to coarse euhedral grained disseminated pyrite 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
41.50	43.00	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	41.50	43.00	Q300222	1.50	0.953
43.00	44.50	Py07 **Pyrite 7%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 7%	43.00	44.50	Q300223	1.50	1.41
44.00	46.80	Se01; Alb03; Ank02 **Sericite 1; Albite 3; Ankerite 2** weak sericite, strong albitite and moderate pervasive alteration					
44.50	46.00	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	44.50	46.00	Q300224	1.50	0.254
46.00	47.50	Py01 **Pyrite 1%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 1%	46.00	47.50	Q300227	1.50	1.065
46.80	70.00	Se01; Alb02; K03; Cl01 **Sericite 1; Albite 2; Potassic 3; Chlorite 1** This interval shows intermittent intense potassic, moderate to intense albetite and weak sericite and chlorite and moderately ankerite alteration.					
47.50	49.00	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	47.50	49.00	Q300228	1.50	1.75
49.00	50.50	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	49.00	50.50	Q300229	1.50	0.946
50.50	52.00	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	50.50	52.00	Q300230	1.50	0.202
52.00	53.50	Py07 **Pyrite 7%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 7%	52.00	53.50	Q300231	1.50	0.986
53.50	55.00	Py00 **Pyrite 0%** No mineralization obvious	53.50	55.00	Q300232	1.50	0.016
55.00	56.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	55.00	56.50	Q300233	1.50	0.258
56.50	58.00	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	56.50	58.00	Q300234	1.50	0.186

Description			Assay				
			From	To	Sample number	Length	AuBest
58.00	59.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	58.00	59.50	Q300235	1.50	0.316
59.50	61.00	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	59.50	61.00	Q300236	1.50	0.172
61.00	62.50	Py01 **Pyrite 1%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 1%	61.00	62.50	Q300237	1.50	0.828
62.50	64.00	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	62.50	64.00	Q300238	1.50	1.27
64.00	65.50	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	64.00	65.50	Q300239	1.50	0.884
65.50	67.00	Py02 **Pyrite 2%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 2%	65.50	67.00	Q300240	1.50	0.323
67.00	68.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	67.00	68.50	Q300241	1.50	0.445
68.50	70.00	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	68.50	70.00	Q300242	1.50	0.724
70.00	87.40	K01; Alb02; Se01; Cl01; Ank02 **Potassic 1; Albite 2; Sericite 1; Chlorite 1; Ankerite 2** This interval shows isolately weak to moderate potassic, intense albetite and weak sericite and chlorite and moderately ankerite alteration.	70.00	71.50	Q300243	1.50	0.537
70.00	71.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%					
71.50	73.00	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	71.50	73.00	Q300244	1.50	0.753
73.00	74.50	Py07 **Pyrite 7%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 7%	73.00	74.50	Q300245	1.50	0.929
74.50	76.00	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	74.50	76.00	Q300246	1.50	0.43

Description			Assay				
			From	To	Sample number	Length	AuBest
76.00	80.50	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	76.00	77.50	Q300247	1.50	0.699
			77.50	79.00	Q300248	1.50	0.747
			79.00	80.50	Q300249	1.50	0.303
80.50	83.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	80.50	82.00	Q300252	1.50	0.528
			82.00	83.50	Q300253	1.50	0.399
83.50	85.00	Py07 **Pyrite 7%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 7%	83.50	85.00	Q300254	1.50	0.334
85.00	89.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	85.00	86.50	Q300255	1.50	0.684
			86.50	88.00	Q300256	1.50	0.646
87.40	90.00	Alb02; Ank02; Cl02 **Albite 2; Ankerite 2; Chlorite 2** Strong sericite and moderate albitite and chlorite pervasive alteration	88.00	89.50	Q300257	1.50	0.502
88.49	93.45	V4Ta **Trachytic tuff altered** With sharp upper contact @ 85 the holes goes into a narrow altered pale green grey dark grey with almost destroyed texture trachyte tuff. Somewhere this unit shows weak to moderate isolate foliatation Pervade moderate to strong ankerite , isolate chlorite alteration There is no calcite and magnetite. It seems the magnetite over printed by fine to coarse euhedral grained pyrite. Mineralized by very fine to coarse euhedral grained disseminated pyrite, up to 6% locally. A series of quartz ankerite veinlets throughout the rock @ variable orientation up 5%.The rock is hard and cannot scratched by knife.					
89.50	91.00	Py07 **Pyrite 7%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 7%	89.50	91.00	Q300258	1.50	0.254
90.00	103.50	Si03; Si; Se03; Ank02; Alb02 **Silica 3; Silica; Sericite 3; Ankerite 2; Albite 2** Strongly silicification has destroyed the texture. intense sericite and moderate ankerite and albite alteration.					
91.00	94.00	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	91.00	92.50	Q300259	1.50	0.171
			92.50	94.00	Q300260	1.50	0.14
93.45	167.00	V4a; Aph **Trachyte Altered; APHANITIC** In this point strongly silicification has destroyed the texture and recognizing the original rock is almost impossible? In the down hole texture is more visable. The aphanitic groundmass reddish, greenish grey pale					

Description			Assay				
			From	To	Sample number	Length	AuBest
		prey somewhere is strongly destroyed by alteration. Intermittent intense potassic and albetite and selective silica alteration present. The color, intensity and kind of alteration change predominantly. The unit is not magnetitic nor calcitic and pervade by moderate to strong ankerite. Mineralized by very fine to coarse euhedral grained disseminated pyrite, up to 7% locally. A series of quartz ankerite veinlets throughout the rock @ variable orientation up 5%.The rock is hard and cannot scratched by knife. From 120.40 _121 a series of chlorite-grey quartz veins and veinlets wide 2-5mm fills fractures @ 30-40 dtca. They contain broken rock and there is no obvious mineralization associated with these structures.					
94.00	103.00	Py07 **Pyrite 7%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 7%	94.00	95.50	Q300261	1.50	0.094
			95.50	97.00	Q300262	1.50	0.049
			97.00	98.50	Q300263	1.50	0.104
			98.50	100.00	Q300264	1.50	0.075
			100.00	101.50	Q300265	1.50	0.034
			101.50	103.00	Q300266	1.50	0.037
103.00	107.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	103.00	104.50	Q300267	1.50	0.163
103.50	121.00	Alb02; Se02; Si02 **Albite 2; Sericite 2; Silica 2** Pervasive silica, sericite and albitite alteration	104.50	106.00	Q300268	1.50	0.11
			106.00	107.50	Q300269	1.50	0.123
107.50	109.00	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	107.50	109.00	Q300270	1.50	0.253
109.00	116.50	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	109.00	110.50	Q300271	1.50	0.13
			110.50	112.00	Q300272	1.50	0.278
			112.00	113.50	Q300273	1.50	0.548
			113.50	115.00	Q300274	1.50	0.671
			115.00	116.50	Q300277	1.50	0.778
116.50	119.50	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%	116.50	118.00	Q300278	1.50	0.614
			118.00	119.50	Q300279	1.50	0.378
119.50	121.00	Py05 **Pyrite 5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 5%	119.50	121.00	Q300280	1.50	0.463
120.40	121.00	Bxh **Breccia healed 30°** From 120.40 _121 a series of chlorite-grey quartz veins and veinlets wide 2-5mm fills fractures @ 30-40 dtca. They contain broken rock and there is no obvious mineralization associated with these structures.					

Description			Assay				
			From	To	Sample number	Length	AuBest
120.40	121.00	Vt;10%;Qcl;In;30°;; **veinlet (1-5 mm) 10% quartz-chlorite infilled fractures 30°** From 120.40 _121 a series of chlorite-grey quartz veins and veinlets wide 2-5mm fills fractures @ 30 dtca. They contain broken rock. There is no obvious mineralization associated with these structures.					
121.00	128.00	Se03; Alb02; Ank02; Cl02 **Sericite 3; Albite 2; Ankerite 2; Chlorite 2** This interval shows pervasive intense sericite, moderte ankerite, albetite and chlorite alteration.	121.00 122.50 124.00	122.50 124.00 125.50	Q300281 Q300282 Q300283	1.50 1.50 1.50	0.362 0.136 0.136
121.00	125.50	Py03 **Pyrite 3%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 3%					
125.50	127.00	Py01 **Pyrite 1%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 1%	125.50	127.00	Q300284	1.50	0.124
127.00	128.50	Py07 **Pyrite 7%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 7%	127.00	128.50	Q300285	1.50	1
128.00	160.60	Ank02; Alb01; K02; Se02 **Ankerite 2; Albite 1; Potassic 2; Sericite 2** This interval shows intermittent moderate potassic, albetite, ankerite, weak sericite and chlorite alteration.					
128.50	143.50	Py01 **Pyrite 1%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 1%	128.50 130.00 131.50 133.00 134.50 136.00 137.50 139.00 140.50 142.00	130.00 131.50 133.00 134.50 136.00 137.50 139.00 140.50 142.00 143.50	Q300286 Q300287 Q300288 Q300289 Q300290 Q300291 Q300292 Q300293 Q300294 Q300295	1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	0.134 0.096 0.061 0.311 0.431 0.376 0.331 0.519 0.32 0.054
143.50	145.00	Py00.5 **Pyrite 0.5%** Mineralized by very fine to coarse euhedral grained disseminated pyrite 0.5%	143.50	145.00	Q300296	1.50	0.23
145.00	146.50	Py01; Py **Pyrite 1%; Pyrite** Fine grained disseminated pyrite.	145.00	146.50	Q300297	1.50	0.23

Description			Assay				
			From	To	Sample number	Length	AuBest
146.50	157.00	Py00.5	146.50	148.00	Q300298	1.50	0.131
		Pyrite 0.5%	148.00	149.50	Q300299	1.50	1.21
		Fine grained disseminated pyrite.	149.50	151.00	Q300302	1.50	0.188
			151.00	152.50	Q300303	1.50	0.139
			152.50	154.00	Q300304	1.50	0.024
			154.00	155.50	Q300305	1.50	0.019
			155.50	157.00	Q300306	1.50	<0.005
157.00	158.50	Cp00.1	157.00	158.50	Q300307	1.50	0.015
		Chalcopyrite 0.1%					
		CHALCOPYRITE VEIN CROSS CUT THE ROCK.					
158.50	163.00	Py00.5	158.50	160.00	Q300308	1.50	0.064
		Pyrite 0.5%	160.00	161.50	Q300309	1.50	0.006
		Fine grained disseminated					
160.60	162.40	K03	161.50	163.00	Q300310	1.50	0.008
		Potassic 3					
		Strong pervade potassic and moderate ankerite alteration.					
162.40	199.50	K01; Se01; Ank02; Cl01					
		Potassic 1; Sericite 1; Ankerite 2; Chlorite 1					
		weak selective potassic, sericite, chlorite and moderate ankerite alteration.					
163.00	169.00	Py00.1	163.00	164.50	Q300311	1.50	<0.005
		Pyrite 0.1%	164.50	166.00	Q300312	1.50	0.005
		Trace	166.00	167.50	Q300313	1.50	0.011
167.00	196.40	V4; Aph; Pyro					
		Trachyte; APHANITIC; PYROCLASTIC					
		Gradationally the hole goes into mixed unit of upper trachyte flow and pyroclastic tuff. This narrow unit shows intermittent pyroclastic tuff and flow. The fine grained ground mass including rounded sub rounded 10-15% pyroclastic size 1-30mm. somewhere the rock seems cross cut by a few hydrothermal veins with ankretic matrix. Pyrite mineralization decreased to average less than 1%. No potassic alteration. Intense selective magnetite, moderate ankerite and no calcite moderate sericite and green chlorite alteration present. At 196.40 the pyroclasts fade and the rock become fine grained flow with strong alteration.					
167.40	191.90	Bxh	167.50	169.00	Q300314	1.50	0.018
		Breccia healed					
		somewhere the rock seems cross cut by a few hydrothermal veins with ankretic matrix.					
169.00	172.00	Py01	169.00	170.50	Q300315	1.50	0.034
		Pyrite 1%	170.50	172.00	Q300316	1.50	0.049

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fine grained disseminated 1%					
172.00	173.50	Py02 **Pyrite 2%** Fine grained disseminated	172.00	173.50	Q300317	1.50	0.223
173.50	183.50	Py00.1 **Pyrite 0.1%** Trace fine grained disseminated	173.50	175.00	Q300318	1.50	0.094
			175.00	176.50	Q300319	1.50	0.022
			176.50	178.00	Q300320	1.50	<0.005
			178.00	179.50	Q300321	1.50	0.04
			179.50	181.00	Q300322	1.50	0.153
			181.00	182.50	Q300323	1.50	0.067
			182.50	184.00	Q300324	1.50	0.015
183.50	193.50	Py00.5 **Pyrite 0.5%** fine grained disseminated	184.00	185.50	Q300327	1.50	0.597
			185.50	187.00	Q300328	1.50	0.008
			187.00	188.50	Q300329	1.50	0.264
			188.50	190.00	Q300330	1.50	0.45
			190.00	191.50	Q300331	1.50	0.687
			191.50	193.00	Q300332	1.50	0.618
			193.00	194.50	Q300333	1.50	0.313
193.50	199.00	Py01.5 **Pyrite 1.5%** fine grained disseminated	194.50	196.00	Q300334	1.50	0.265
			196.00	197.50	Q300335	1.50	0.14
196.40	312.30	V4a **Trachyte Altered** Gradationaly the hole goes back into mineralized package trachyte flow again The aphanitic groundmass reddish, greenish grey pale prey somewhere is strongly destroyed by alteration. Intermittent intense potassic and albetite and selective silica alteration present. The color, intensity and kind of alteration change predominantly. The unit is not magnetitic nor calcitic and pervade by moderate to strong ankerite. Mineralized by very fine to coarse euhedral grained disseminated pyrite, up to 7% locally. A series of secondary quartz chlorite veinlets throughout the rock @ 30dtca up 5%.The rock is hard and cannot scratched by knife. From 213-214.5 The irregular cracks are filled in with a secondary chlorite-quartz veins and veinlets. In this hole seems there is negative relation between primary chlorite alteration and gold.(231-236).From 267.5-278.5	197.50	199.00	Q300336	1.50	0.09

Description			Assay				
			From	To	Sample number	Length	AuBest
		A porphyritic syenite cross cut the unit @ 85 dtca. The reddish micro fractured ground mass contains withish phenoes 10-15%. The dike mineralized by fine grained disseminated as well as fill fractures pyrite up 0.5%. The dyke shows isolate albite, weak ankerite alteration. Non magnetic.					
199.00	200.00	Py00.1 **Pyrite 0.1%** Trace	199.00	200.50	Q300337	1.50	0.291
199.50	205.50	K02; Se01; Cl01; Ank01 **Potassic 2; Sericite 1; Chlorite 1; Ankerite 1** Moderate pervasive potassic and weak sericite,ankerite and secondary chlorite stringers.					
200.00	211.00	Py01 **Pyrite 1%** fine grained disseminated	200.50	202.00	Q300338	1.50	0.242
			202.00	203.50	Q300339	1.50	0.085
			203.50	205.00	Q300340	1.50	0.173
			205.00	206.50	Q300341	1.50	0.219
205.50	212.00	Ank01; Alb03; Se01; Cl01 **Ankerite 1; Albite 3; Sericite 1; Chlorite 1** Pervasive weak Ankerite, Sericite, Chlorite and moderate to strong albite alteration	206.50	208.00	Q300342	1.50	0.199
			208.00	209.50	Q300343	1.50	0.145
			209.50	211.00	Q300344	1.50	0.212
211.00	215.50	Py03 **Pyrite 3%** fine grained disseminated up to 3%	211.00	212.50	Q300345	1.50	3.86
212.00	217.00	Cl01; K03 **Chlorite 1; Potassic 3** Intense pervasive potassic and weak secondary fill fractures chlorite alteration.	212.50	214.00	Q300346	1.50	8.71
			214.00	215.50	Q300347	1.50	7.5
215.50	221.50	Py03 **Pyrite 3%** Fine grained disseminated pyrite 4%.	215.50	217.00	Q300348	1.50	5.32
217.00	242.00	K02; Alb02; Alb; Ank01; Se01; Se; Cl01 **Potassic 2; Albite 2; Albite; Ankerite 1; Sericite 1; Sericite; Chlorite 1** Selective moderate potassic, albite, ankerite and weak sericite and chlorite alteration. The alteration of chlorite increases to intense after 230.	217.00	218.50	Q300349	1.50	3.36
			218.50	220.00	Q300352	1.50	0.637
			220.00	221.50	Q300353	1.50	0.609
221.50	224.50	Py04 **Pyrite 4%** Fine grained disseminated pyrite 4%.	221.50	223.00	Q300354	1.50	2.12
			223.00	224.50	Q300355	1.50	0.852

Description			Assay				
			From	To	Sample number	Length	AuBest
224.50	227.50	Py03	224.50	226.00	Q300356	1.50	0.542
		Pyrite 3%	226.00	227.50	Q300357	1.50	1.265
		Fine grained disseminated pyrite 3%.					
227.50	229.00	Py01	227.50	229.00	Q300358	1.50	0.402
		Pyrite 1%					
		Fine grained disseminated pyrite 1%.					
229.00	233.00	Py03	229.00	230.50	Q300359	1.50	0.103
		Pyrite 3%	230.50	232.00	Q300360	1.50	0.315
		Fine grained disseminated pyrite 3%.	232.00	233.50	Q300361	1.50	0.261
233.00	235.00	Py05	233.50	235.00	Q300362	1.50	0.262
		Pyrite 5%					
		Fine grained disseminated pyrite up to 5%					
235.00	236.50	Py05	235.00	236.50	Q300363	1.50	0.365
		Pyrite 5%					
		Fine grained disseminated pyrite up to 5%					
236.50	248.50	Py03	236.50	238.00	Q300364	1.50	0.756
		Pyrite 3%	238.00	239.50	Q300365	1.50	1.39
		Fine grained disseminated pyrite up to 5%.	239.50	241.00	Q300366	1.50	1.335
			241.00	242.50	Q300367	1.50	1.64
242.00	247.00	Ank03; Cl02	242.50	244.00	Q300368	1.50	1.455
		Ankerite 3; Chlorite 2	244.00	245.50	Q300369	1.50	0.852
		Moderate chlorite to intense ankerite alteration.	245.50	247.00	Q300370	1.50	1.905
247.00	268.00	Alb02; Ank03; K01	247.00	248.50	Q300371	1.50	0.655
		Albite 2; Ankerite 3; Potassic 1					
		Pervasive weak potassic, moderate albite and ankerite alteration.					
248.50	254.50	Py05	248.50	250.00	Q300372	1.50	2.19
		Pyrite 5%	250.00	251.50	Q300373	1.50	2.93
		Fine grained disseminated pyrite up to 5%	251.50	253.00	Q300374	1.50	1.23

Description			Assay				
			From	To	Sample number	Length	AuBest
			253.00	254.50	Q300377	1.50	0.763
254.50	277.00	Py03	254.50	256.00	Q300378	1.50	0.894
		Pyrite 3%	256.00	257.50	Q300379	1.50	0.445
		Fine grained disseminated pyrite up to 3%	257.50	259.00	Q300380	1.50	0.329
			259.00	260.50	Q300381	1.50	0.562
			260.50	262.00	Q300382	1.50	0.288
			262.00	263.50	Q300383	1.50	0.236
			263.50	265.00	Q300384	1.50	0.192
			265.00	266.50	Q300385	1.50	0.453
			266.50	268.00	Q300386	1.50	0.153
268.00	278.00	K03; Ank02; Cl01	268.00	269.50	Q300387	1.50	0.454
		Potassic 3; Ankerite 2; Chlorite 1					
		Pervasive intense potassic, moderate ankerite and weak chlorite alteration.					
268.50	278.50	1Sap	269.50	271.00	Q300388	1.50	0.218
		Syenite altered pophyryitic 85°	271.00	272.50	Q300389	1.50	0.148
		A porphyritic syenite cross cut the unit @ 85 dtca. The reddish micro fractured ground mass contains	272.50	274.00	Q300390	1.50	0.055
		withish phenoes 10-15%. The dike mineralized by fine grained disseminated as well as fill fractures pyrite	274.00	275.50	Q300391	1.50	0.088
		up 0.5%. The dyke shows isolate albite, weak ankerite alteration. Non magnetic.	275.50	277.00	Q300392	1.50	0.12
277.00	278.00	Py02	277.00	278.50	Q300393	1.50	0.149
		Pyrite 2%					
		Fine grained disseminated pyrite up to 2%					
278.00	314.00	Cl01; K01; Ank02; Alb03					
		Chlorite 1; Potassic 1; Ankerite 2; Albite 3					
		Pervasive weak potassic, chlorite, Intense albite and moderate ankerite alteration.					
278.00	278.50	Py01					
		Pyrite 1%					
		Fine grained pyrite disseminated up 1%.					
278.50	280.00	Py05	278.50	280.00	Q300394	1.50	9.98
		Pyrite 5%					
		Fine grained disseminated pyrite up to 5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
280.00	284.50	Py01 **Pyrite 1%** Fine grained disseminated pyrite up to 1%	280.00	281.50	Q300395	1.50	0.088
			281.50	283.00	Q300396	1.50	0.052
			283.00	284.50	Q300397	1.50	0.037
284.50	286.00	Py05 **Pyrite 5%** Fine grained disseminated pyrite up to 5%	284.50	286.00	Q300398	1.50	0.761
286.00	287.50	Py00.1 **Pyrite 0.1%** Trace pyrite	286.00	287.50	Q300399	1.50	0.051
287.50	293.00	Py01 **Pyrite 1%** Fine grained disseminated and fill fractures up 1%	287.50	289.00	Q300402	1.50	0.35
			289.00	290.50	Q300403	1.50	0.428
			290.50	292.00	Q300404	1.50	2.5
			292.00	293.50	Q300405	1.50	0.492
293.00	295.00	Py05 **Pyrite 5%** Fine grained disseminated and fill fractures up 5%	293.50	295.00	Q300406	1.50	0.876
295.00	298.00	Py01 **Pyrite 1%** Fine grained disseminated and fill fractures up 1%	295.00	296.50	Q300407	1.50	0.611
			296.50	298.00	Q300408	1.50	0.993
298.00	303.00	Py00.1 **Pyrite 0.1%** Trace disseminated	298.00	299.50	Q300409	1.50	0.056
			299.50	301.00	Q300410	1.50	0.054
			301.00	302.50	Q300411	1.50	0.122
			302.50	304.00	Q300412	1.50	0.135
303.00	326.50	Py01 **Pyrite 1%** Fine grained disseminated and fill fractures up 1%	304.00	305.50	Q300413	1.50	0.489
304.40	310.00	Bxh **Breccia healed 75°** In this interval the rock cross cut by a few hydrothermal veins with ankretic matrix.	305.50	307.00	Q300414	1.50	2.06
			307.00	308.50	Q300415	1.50	0.19
			308.50	310.00	Q300416	1.50	0.488

Description			Assay				
			From	To	Sample number	Length	AuBest
			310.00	311.50	Q300417	1.50	0.321
			311.50	313.00	Q300418	1.50	0.458
312.20	318.70	Bxh **Breccia healed 80°** The rock cross cut by a few hydrothermal veins with ankretic matrix.					
312.30	318.65	V4vcic **trachtytic volcaniclastic 45°** With sharp upper and lower contact @ 45 dtca hole goes into a narrow trachyte volcanoclastic. The crystalline coarse grained groundmass contains rounded sub rounded multi clasts size 1-8mm. Magnetite changes due to clasts type. a series og chlorite quartz veinlets cut the rock @ average 45 dtca. Moderate Potassic, weak ankerite alteration present. There is no pyrite mineralization.					
312.30	318.65	V4vcic **trachtytic volcaniclastic 45°** With sharp upper and lower contact @ 45 dtca hole goes into a narrow trachyte volcanoclastic. The crystalline coarse grained groundmass contains rounded sub rounded multi clasts size 1-8mm. Magnetite changes due to clasts type. a series og chlorite quartz veinlets cut the rock @ average 45 dtca. Moderate Potassic, weak ankerite alteration present. There is no pyrite mineralization. same to interval 303.90-304.40	313.00	314.50	Q300419	1.50	0.084
314.00	324.00	Ank02; K03 **Ankerite 2; Potassic 3** intense potassic and moderate ankerite pervaded	314.50	316.00	Q300420	1.50	0.1
			316.00	317.50	Q300421	1.50	0.05
			317.50	319.00	Q300422	1.50	0.051
318.65	338.70	V4a; Aph **Trachyte Altered; APHANITIC** The same unit. The aphanitic groundmass reddish, greenish grey pale prey somewhere is strongly destroyed by alteration. Intermittent intense potassic and albetite and selective silica alteration present. The color, intensity and kind of alteration change predominantly. The unit is not magnetitic nor calcitic and pervade by moderate ankerite. Mineralized by very fine to coarse euhedral grained disseminated pyrite, up to 3% locally. From 325.80.329.30 the ground mass become more porphyiyic look like syenite dike. The reddish micro fractured ground mass contains withish phenoes 10-15%. The dike mineralized by fine grained disseminated as well as fill fractures pyrite up 0.5%. The dyke shows isolate albite, weak ankerite alteration. Non magnetic.	319.00	320.50	Q300423	1.50	0.061
			320.50	322.00	Q300424	1.50	0.071
			322.00	323.50	Q300427	1.50	0.179
			323.50	325.00	Q300428	1.50	0.06
324.00	375.00	Ank03; Se01; Si02; Cl02 **Ankerite 3; Sericite 1; Silica 2; Chlorite 2** Selective moderate silica, chlorite, weak sericite and intense ankerite alteration	325.00	326.50	Q300429	1.50	0.143
325.80	329.30	1Sap **Syenite altered pophyryitic** From 325.80.329.30 the ground mass become more porphyiyic look like syenite dike. The reddish micro fractured ground mass contains withish phenoes 10-15%. The dike mineralized by fine grained disseminated as well as fill fractures pyrite up 0.5%. The dyke shows isolate albite, weak ankerite					

Description			Assay				
			From	To	Sample number	Length	AuBest
		alteration. Non magnetic.					
326.50	329.50	Py03; Py	326.50	328.00	Q300430	1.50	0.247
		Pyrite 3%; Pyrite	328.00	329.50	Q300431	1.50	0.227
		Fine grained disseminated and fill fractures up 3%					
329.50	338.50	Py01	329.50	331.00	Q300432	1.50	0.095
		Pyrite 1%	331.00	332.50	Q300433	1.50	0.043
		Fine grained disseminated as well as fill fractures up 1%	332.50	334.00	Q300434	1.50	0.079
			334.00	335.50	Q300435	1.50	0.097
			335.50	337.00	Q300436	1.50	0.089
			337.00	338.50	Q300437	1.50	0.054
338.50	340.00	Py07	338.50	340.00	Q300438	1.50	0.654
		Pyrite 7%					
		Fine grained disseminated as well as fill fractures up 7%					
338.70	368.00	V4a; Tuff					
		Trachyte Altered 90°; TUFF					
		Sharp changes in color and texture marks the beginning of this dark grey green with patchy blackish fine grained unit. The alteration completely has destroyed the texture. Somewhere it is very similar to trachyte flow. Isolate potassic, albite and moderate sericite, chlorite alteration. Magnetite is variable isolately from non to intense. The unit mineralized by fine to coarse (euhedral) grained disseminated pyrite as well as fill micro fractures at average 5%.					
		From 350.10-350.70 a igneous intrusive breccia cross the unit @ 35 dtca. The glassy blackish matrix contains 30% crashed and broken irregular shape clasts. Mineralized by fine grained pyrite up 1%.					
340.00	347.50	Py01	340.00	341.50	Q300439	1.50	0.4
		Pyrite 1%	341.50	343.00	Q300440	1.50	0.393
		Fine grained disseminated as well as fill fractures up 1%	343.00	344.50	Q300441	1.50	0.317
			344.50	346.00	Q300442	1.50	0.68
			346.00	347.50	Q300443	1.50	0.271
347.50	349.00	Py02	347.50	349.00	Q300444	1.50	0.316
		Pyrite 2%					
		Fine grained disseminated as well as fill fractures up 2%					
349.00	353.50	Py03	349.00	350.50	Q300445	1.50	0.154
		Pyrite 3%					
		Fine grained disseminated as well as fill fractures up 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
350.10	350.70	Bxh	350.50	352.00	Q300446	1.50	0.171
		Breccia healed 35°	352.00	353.50	Q300447	1.50	0.076
		A breccia cross the unit @ 35 dtca. The glassy blackish matrix contains 30% crashed and broken					
		irregular shape clasts.					
		Mineralized by fine grained pyrite up 1%.					
353.50	355.00	Py05	353.50	355.00	Q300448	1.50	0.136
		Pyrite 5%					
		Fine grained disseminated as well as fill fractures up 5%					
355.00	359.50	Py07	355.00	356.50	Q300449	1.50	0.356
		Pyrite 7%	356.50	358.00	Q300452	1.50	0.384
		Fine grained disseminated as well as fill fractures up 7%	358.00	359.50	Q300453	1.50	0.221
359.50	361.50	Py05	359.50	361.00	Q300454	1.50	0.201
		Pyrite 5%	361.00	362.50	Q300455	1.50	0.632
		Fine grained disseminated as well as fill fractures up 5%					
361.50	365.50	Py07	362.50	364.00	Q300456	1.50	0.448
		Pyrite 7%	364.00	365.50	Q300457	1.50	0.839
		This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 7%.					
		3					
365.50	367.00	Py08	365.50	367.00	Q300458	1.50	0.52
		Pyrite 8%					
		This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 8%.					
367.00	377.50	Py04	367.00	368.50	Q300459	1.50	0.219
		Pyrite 4%					
		This interval mineralized by fine grained disseminated as well as fill fractures pyrite at average %.					
368.00	427.00	V4Tla	368.50	370.00	Q300460	1.50	0.112
		Trachytic lapilli tuff alterd 65°	370.00	371.50	Q300461	1.50	0.05
		From this point the unit shows very clear foliation. Blackish dark grey color with fine grained groundmass					
		texture.The interval strongly silicified and shows predominantly intense albetite and moderate potassic					
		alteration. When altered the texture completely destroyed. Fine grained blackish ground mass cut by 50%					
		whitish creamy ankretic lapilli that elongated on plan of foliation @ average 50 dtca. Mineralization consist fine					
		grained pyrite locally up 5%.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		This interval shows locally deformation,crenulations, folding and ofsets of lapilli and veining. such as 417-417.40 and 327.90-328.15 and etc. A net work of quartz ankerite veinlets pervaded at variable orientaion. From 388.10-388.60 Look like Cataclastic fault contains crashed and broken rock? There is no gouge or any evidence in this interval. Magnetite is variable it strat non and from 354 weak and in the down hole moderate to strong. From 512-523.5 the interval the rock strongly has broken due to effective of micro and macro fractures, breccia, fault and a few and mafic intrusive dike					
371.40	372.65	Bxh **Breccia healed 30°** A igneous intrusive? breccia cross the unit @ 30 dtca. The fine grained creamy matrix contains crashed and broken irregular shape clasts. The beraccia has cutten by a few quartz vein3 wide 3-5 mm @ 15 dtca. It is mineralized by fine grained pyrite up 5%. .	371.50	373.00	Q300462	1.50	0.209
371.70	389.70	V4vcic **trachtytic volcaniclastic** This interval is mixed between lapilli trachyte tuff and trachyte volcanoclastic rock. The lapilli tuff and flow cross cut Intermittent. intense albetite and silica alteration. The grey green ground mass contains reddish irregular volcano clasts. In the down hole from 388.10-388.70 rock completely has crashed and broken. The unit mineralized by fine to medium grained disseminated pyrite up 7%.	373.00 374.50	374.50 376.00	Q300463 Q300464	1.50 1.50	0.148 0.36
375.00	424.00	Cl01; K01; Se01; Ank03; Alb03 **Chlorite 1; Potassic 1; Sericite 1; Ankerite 3; Albite 3** isolate weak potasic, sericite and chlorite anteratin. Pervasive intense ankerite and selective intense albite alteration.	376.00	377.50	Q300465	1.50	0.13
377.50	379.00	Py07 **Pyrite 7%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 7%.	377.50	379.00	Q300466	1.50	0.126
379.00	380.50	Py05 **Pyrite 5%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 5%.	379.00	380.50	Q300467	1.50	0.384
380.50	382.50	Py08 **Pyrite 8%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 5%.	380.50 382.00	382.00 383.50	Q300468 Q300469	1.50 1.50	0.286 0.178
382.50	386.50	Py05 **Pyrite 5%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 5%.	383.50 385.00	385.00 386.50	Q300470 Q300471	1.50 1.50	0.161 0.142

Description			Assay				
			From	To	Sample number	Length	AuBest
386.50	388.00	Py07 **Pyrite 7%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 7%.	386.50	388.00	Q300472	1.50	0.22
388.00	391.00	Py03 **Pyrite 3%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 3%.	388.00	389.50	Q300473	1.50	0.214
388.16	388.60	FLT **Fault 40°** Look like Cataclastic fault contains crashed and broken rock? I am not sure this is fault or broken rock. There is no gouge or any evidence.	389.50	391.00	Q300474	1.50	0.13
391.00	402.00	Py01 **Pyrite 1%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 1%.	391.00	392.50	Q300477	1.50	0.223
			392.50	394.00	Q300478	1.50	0.02
			394.00	395.50	Q300479	1.50	0.491
			395.50	397.00	Q300480	1.50	0.684
			397.00	398.50	Q300481	1.50	0.516
			398.50	400.00	Q300482	1.50	0.639
			400.00	401.50	Q300483	1.50	0.062
			401.50	403.00	Q300484	1.50	1.43
402.00	411.00	Py00.1 **Pyrite 0.1%** Trace pyrite	403.00	404.50	Q300485	1.50	1.585
			404.50	406.00	Q300486	1.50	1.115
			406.00	407.50	Q300487	1.50	1.275
			407.50	409.00	Q300488	1.50	0.095
			409.00	410.50	Q300489	1.50	0.183
			410.50	411.50	Q300490	1.00	0.19
411.00	417.50	Py01 **Pyrite 1%** This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 1%.	411.50	413.00	Q300491	1.50	1.075
			413.00	414.50	Q300492	1.50	0.796
			414.50	416.00	Q300493	1.50	0.453
			416.00	417.50	Q300494	1.50	0.538
417.00	417.40	Crn **Crenulation 35°** This interval shows locally deformation,crenulations, folding and ofsets. 427.90-428.15					

Description			Assay				
			From	To	Sample number	Length	AuBest
417.50	419.00	Py03	417.50	419.00	Q300495	1.50	0.782
		Pyrite 3%					
		This interval mineralized by fine grained disseminated as well as fill fractures pyrite up 3%.					
419.00	431.50	Py00.5	419.00	420.50	Q300496	1.50	0.697
		Pyrite 0.5%	420.50	422.00	Q300497	1.50	0.514
		This interval mineralized by fine grained disseminated pyrite up 0.5%.	422.00	423.50	Q300498	1.50	0.164
			423.50	425.00	Q300499	1.50	0.434
424.00	445.00	Se02; Cl03; Ank02					
		Sericite 2; Chlorite 3; Ankerite 2					
		Pervasive stronge chlorite and moderate seicite and ankrite alteration.					
425.00	447.00	BBCG	425.00	426.50	Q300502	1.50	0.343
		Broken Blocky Core with gouge	426.50	428.00	Q300503	1.50	0.197
		Broken and crshed rockwith gouge, unknown direction.					
427.00	579.00	V4T	428.00	429.50	Q300504	1.50	0.313
		Trachytic tuff	429.50	431.00	Q300505	1.50	0.245
		The hole gradationally goes into intermediate trachyte well foliated tuff. Fine grained green grey groundmass	431.00	432.50	Q300506	1.50	0.404
		well foliated @ 0-90 dtca. This interval locally shows strong folding, crenulations and deformation zone.					
		Selective intense potassic, sericite, chlorite and moderate to strong ankerite alteration present. Magnetite					
		pervasively is variable from non to strong. Quartz ankerite veins selectively run at variable orientation.					
		Somewhere veins are parallel to foliation. Pyrite mineralization change from trace to locally 3%.					
431.50	433.00	Py03	432.50	434.00	Q300507	1.50	0.043
		Pyrite 3%	434.00	435.50	Q300508	1.50	0.092
		Fine grained disseminated pyrite up 3%					
435.50	437.00	Py01	435.50	437.00	Q300509	1.50	0.778
		Pyrite 1%					
		Fine grained disseminated pyrite up 1%					
436.00	445.00	FAZ					
		Fault Zone 40°					
		A strong isolate gouge fault zone run the rock. The motion to core is unknown					
437.00	438.00	Py02	437.00	438.50	Q300510	1.50	0.695
		Pyrite 2%	438.50	440.00	Q300511	1.50	0.021
		Fine grained disseminated pyrite up 2%	440.00	441.50	Q300512	1.50	0.039
			441.50	443.00	Q300513	1.50	<0.005
			443.00	444.50	Q300514	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			444.50	446.00	Q300515	1.50	0.027
445.00	455.00	Ank02; K03; Cl03; Se01	446.00	447.50	Q300516	1.50	0.139
		Ankerite 2; Potassic 3; Chlorite 3; Sericite 1	447.50	449.00	Q300517	1.50	0.122
		Pervasive stronge chlorite, potassic and weak sericite and moderate ankrite alteration.	449.00	450.50	Q300518	1.50	0.185
445.00	450.00	FracZn					
		Fracture Zone					
		Micro fracture at variable orie3ntion looks like braccia.					
450.00	490.00	DZ; Crn; Shrh	450.50	452.00	Q300519	1.50	0.057
		Deformation Zone; Crenulation; Shear healed	452.00	453.50	Q300520	1.50	0.163
		This interval localy shows folding,crenulation and deformation zone.	453.50	455.00	Q300521	1.50	0.143
455.00	496.00	Se02; Cl02; K02; Ank03	455.00	456.50	Q300522	1.50	0.136
		Sericite 2; Chlorite 2; Potassic 2; Ankerite 3	456.50	458.00	Q300523	1.50	0.236
		pervasive strong sericite, chlorite and ankerite alteration.	458.00	459.50	Q300524	1.50	0.431
			459.50	461.00	Q300527	1.50	0.255
			461.00	462.50	Q300528	1.50	0.617
			462.50	464.00	Q300529	1.50	0.081
			464.00	465.50	Q300530	1.50	0.105
			465.50	467.00	Q300531	1.50	0.24
			467.00	468.50	Q300532	1.50	0.071
			468.50	470.00	Q300533	1.50	0.007
			470.00	471.50	Q300534	1.50	0.022
			471.50	473.00	Q300535	1.50	0.081
			473.00	474.50	Q300536	1.50	0.007
			474.50	476.00	Q300537	1.50	0.005
475.70	476.60	Vn;15%;Qak;Vn;30°;;	476.00	477.50	Q300538	1.50	0.069
		vein (5 mm - 10 cm) 15% quartz-ankerite vein parallel to foliation 30°	477.50	479.00	Q300539	1.50	0.022
		Three Quartz with minor ankerite and feldspar run @ 30 dtca. There is no mineralization associated with	479.00	480.50	Q300540	1.50	0.007
		these structures.	480.50	482.00	Q300541	1.50	<0.005
481.00	492.00	Py00.1	482.00	483.50	Q300542	1.50	0.059
		Pyrite 0.1%	483.50	485.00	Q300543	1.50	0.019
		Trcae pyrite	485.00	486.50	Q300544	1.50	0.068
			486.50	488.00	Q300545	1.50	<0.005
			488.00	489.50	Q300546	1.50	0.144
			489.50	491.00	Q300547	1.50	0.049

Description			Assay				
			From	To	Sample number	Length	AuBest
			491.00	492.50	Q300548	1.50	0.046
			492.50	494.00	Q300549	1.50	0.012
			494.00	495.50	Q300552	1.50	0.011
			495.50	497.00	Q300553	1.50	0.012
496.40	503.50	Vn;25%;Qak;Vn;45°;; **vein (5 mm - 10 cm) 25% quartz-ankerite vein parallel to foliation 45°** A series of quartz with major ankerite and feldspar veins reddish due to potassic alteration run @ average 45 dtca almost parallel to foliation. There is a few stringers of specularite mineralization associated with these structures.these structures.					
496.50	503.00	Ank03; K03; Se02 **Ankerite 3; Potassic 3; Sericite 2** Due to quartz-ankerite veining, Isolate strong potassic and ankrite alteration. Pervasive moderate seicite alteration	497.00	498.50	Q300554	1.50	0.019
			498.50	500.00	Q300555	1.50	0.357
			500.00	501.50	Q300556	1.50	0.127
			501.50	503.00	Q300557	1.50	0.01
503.00	516.00	Se03; Cl03; Ank03; K01 **Sericite 3; Chlorite 3; Ankerite 3; Potassic 1** pervasive strong sericite, chlorite and ankerite and weak selective potassic alteration.	503.00	504.50	Q300558	1.50	0.035
			504.50	506.00	Q300559	1.50	0.025
505.50	520.00	Vn;15%;Qak;Vn;40°;; **vein (5 mm - 10 cm) 15% quartz-ankerite vein parallel to foliation 40°** A series of quartz with major ankerite and feldspar veins reddish due to potassic alteration run @ average 40 dtca almost parallel to foliation. There is a few stringers of specularite and chalcopyrite spalashes mineralization associated with these structures.	506.00	507.50	Q300560	1.50	0.064
			507.50	509.00	Q300561	1.50	<0.005
			509.00	510.50	Q300562	1.50	<0.005
			510.50	512.00	Q300563	1.50	0.025
			512.00	513.50	Q300564	1.50	0.019
512.80	523.00	FracZn; Ctc Flt; BRK **Fracture Zone; Cataclastic Fault; Break** In this interval the rock strongly has broken due to effective of micro and macro fractures, breccia, fault and a few and mafic intrusive dike From 522-522.05 there is 5 cm gouge fault @35 dtca inside mafic intusion dike.	513.50	515.00	Q300565	1.50	0.009
514.00	522.50	BBC **Broken Blocky Core** In this interval the rock strongly has broken due to effective of micro and macro fractures, breccia, fault and a few and mafic intrusive dike	515.00	516.50	Q300566	1.50	0.055
516.00	521.30	K03; Ank03; Se02 **Potassic 3; Ankerite 3; Sericite 2** Due to quartz-ankerite veining Isolate strong potassic, ankrite alteration. Pervasive moderate seicite alteration	516.50	518.00	Q300567	1.50	0.055
			518.00	519.50	Q300568	1.50	0.035
			519.50	522.00	Q300569	2.50	0.013
521.30	523.50	Se01; K01; Cl01; Ank01 **Sericite 1; Potassic 1; Chlorite 1; Ankerite 1** Weak selective potassic,sericite, chlorite and ankerite alteration. This interval contains mafic interusive dyke	522.00	523.50	Q300570	1.50	0.027

Description			Assay				
			From	To	Sample number	Length	AuBest
522.50	523.00	DYKE **Dyke 30°** Two narrow lamprophyre dike wide 35 and 60 cm cross cut the rock @ 30 dtca. Glassy dark grey ground mass contains 10% rounded whitish phenoes and 1-2% blackish to brown biotite /amphibole. The upper contact is 5 cm gouge.no calcite, intense pervasive magnetic, no pyrite mineralization.					
523.50	527.00	Ank03; K03; Se02 **Ankerite 3; Potassic 3; Sericite 2** Due to quartz-ankerite veining Isolate strong potassic, ankrite alteration. Pervasive moderate seicite alteration					
523.50	532.60	Vn;15%;Qak;Vn;65°;Hem00.1 Cp00.1; **vein (5 mm - 10 cm) 15% vein parallel to foliation 65° SPECULARITE 0.1% Chalcopyrite 0.1%** A series of quartz with major ankerite and feldspar veins reddish due to potassic alteration run @ average 60 dtca almost parallel to foliation. There is a few stringers of specularite and chalcopyrite spalashes mineralization associated with these structures.	523.50	525.00	Q300571	1.50	0.017
			525.00	526.50	Q300572	1.50	0.009
			526.50	528.00	Q300573	1.50	0.013
527.00	558.00	Se02; Ank02; Cl02; K01 **Sericite 2; Ankerite 2; Chlorite 2; Potassic 1** Weak selective potassic and moderate sericite, chlorite and ankerite alteration.	528.00	529.50	Q300574	1.50	0.006
			529.50	531.00	Q300577	1.50	<0.005
			531.00	532.50	Q300578	1.50	<0.005
			532.50	534.00	Q300579	1.50	0.005
			534.00	535.50	Q300580	1.50	<0.005
			535.50	537.00	Q300581	1.50	<0.005
			537.00	538.50	Q300582	1.50	0.085
			538.50	540.00	Q300583	1.50	<0.005
			540.00	541.50	Q300584	1.50	<0.005
			541.50	543.00	Q300585	1.50	<0.005
			543.00	544.50	Q300586	1.50	<0.005
			544.50	546.00	Q300587	1.50	0.006
			546.00	547.50	Q300588	1.50	0.021
547.40	548.10	Bxh **Breccia healed 10°** A hydrothermal breccia vein wide 1-4 cm with dark green color perhaps chloritic and fine grained matrix run @ average 10 dtca. It contains crashed and broken angular brown creamy clasts up 15% with variable size. No mineralization associated with this structure.	547.50	549.00	Q300589	1.50	0.016
			549.00	550.50	Q300590	1.50	0.006
			550.50	552.00	Q300591	1.50	<0.005
			552.00	553.50	Q300592	1.50	0.017
552.50	554.00	Vn;45%;Qak;Sk;;; **vein (5 mm - 10 cm) 45% quartz-ankerite stockwork** Reddish green due to potassic and sericite alteration stockwork quartz with major ankerite and feldspar veins run the unit. There is a few stringers of specularite and chalcopyrite spalashes mineralization associated with these structures.	553.50	555.00	Q300593	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
554.00	558.00	DZ	555.00	556.50	Q300594	1.50	0.083
		Deformation Zone	556.50	558.00	Q300595	1.50	0.006
		deformed locally folding and crenulation					
558.00	560.60	K02; Ank02; Cl01	558.00	559.50	Q300596	1.50	0.591
		Potassic 2; Ankerite 2; Chlorite 1	559.50	561.00	Q300597	1.50	0.753
		Moderate pervasive potassic, ankerite and weak sericite and chlorite alteration.					
560.60	565.60	Cl03; Se03; Ank02	561.00	562.50	Q300598	1.50	0.037
		Chlorite 3; Sericite 3; Ankerite 2	562.50	564.00	Q300599	1.50	0.06
		Pervasive moderate ankerite and strong sericite, chlorite alteration.	564.00	565.50	Q300602	1.50	0.088
565.00	570.00	Py01	565.50	567.00	Q300603	1.50	0.099
		Pyrite 1%					
		Fine grained disseminated pyrite up 1%					
565.60	604.10	K03; Ank02; Se02; Cl01	567.00	568.50	Q300604	1.50	0.232
		Potassic 3; Ankerite 2; Sericite 2; Chlorite 1	568.50	570.00	Q300605	1.50	0.505
		Strong to moderate pervasive potassic and moderate ankerite,sericite and weak to moderate chlorite alteration.	570.00	571.50	Q300606	1.50	0.113
			571.50	573.00	Q300607	1.50	0.097
			573.00	574.50	Q300608	1.50	0.264
574.00	577.50	Py01	574.50	576.00	Q300609	1.50	0.386
		Pyrite 1%	576.00	577.50	Q300610	1.50	0.377
		Fine grained disseminated pyrite up 1%	577.50	579.00	Q300611	1.50	0.03
			579.00	580.50	Q300612	1.50	0.029
579.80	602.00	V4GS					
		trachyte green spotted					
		Unclear contact @25 dtca marks the beginning of this green spots trachyte flow. Most of lucite are starched and shows moderate lamination @ 30-90 dtca and strong alteration. Reddish to green with red tint color with fine grained groundmass contains 30-40% greenish reddish spots due to intense potassic alteration. The rock is not magnetic no calcitic. Moderately pervade ankerite and intense potassic alteration. The rock is hard and cannot be scratched by knife.					
		This unit mineralized by fine grained disseminated pyrite as well as fill fractures up locally 6%.					
580.50	595.50	Py01	580.50	582.00	Q300613	1.50	0.097
		Pyrite 1%	582.00	583.50	Q300614	1.50	0.217
		Fine grained disseminated pyrite up 1%	583.50	585.00	Q300615	1.50	0.282
			585.00	586.50	Q300616	1.50	0.245
			586.50	588.00	Q300617	1.50	0.149

Description			Assay				
			From	To	Sample number	Length	AuBest
			588.00	589.50	Q300618	1.50	0.403
			589.50	591.00	Q300619	1.50	0.24
			591.00	592.50	Q300620	1.50	0.335
			592.50	594.00	Q300621	1.50	0.455
			594.00	595.50	Q300622	1.50	0.312
595.50	604.50	Py03 **Pyrite 3%** Fine grained disseminated pyrite up 3%	595.50	597.00	Q300623	1.50	0.217
			597.00	598.50	Q300624	1.50	0.291
			598.50	600.00	Q300627	1.50	0.388
			600.00	601.50	Q300628	1.50	1.085
			601.50	603.00	Q300629	1.50	0.385
602.00	604.10	V4a **Trachyte Altered** Fine medium and coarse grained, red grey and green color with strong predominate intense silica, potassic,weak albite, sericite and moderate ankerite alteration. From 604.10-614.60 A change in color and alteration with sharp upper and lower contact @ 90 dtca. Intense selicification and carbonatization. Gery quartz veins, patches, wispy up 70% contains sericite and carbonate and fine and patchy pyrite up 5%.	603.00	604.50	Q300630	1.50	0.203
604.10	614.60	V4Sil **trachyte silicified 90°** A changes in color and alteration with sharp upper and lower contact @ 90 dtca marks the beginning of this silicification zone. In this narrow interval the unit shows very strong pervasive silicification and carbonatization. Grey groundmass including quartz veins, patches, and wisp up 70% contains sericite and carbonate. Mineralization consist fine grained disseminated pyrite as well as fill fractures and patches up 3%. The silicifications go on in down hole but from 614.6 the intensity of silica decrease and rock becomes reddish due to strong potassic alteration.					
604.10	614.60	V4Sil **trachyte silicified 90°** A changes in color and alteration with sharp upper and lower contact @ 90 dtca marks the beginning of this silicification zone. In this narrow interval the unit shows very strong pervasive silicification and carbonatization. Grey groundmass including quartz veins, patches, and wisp up 70% contains sericite and carbonate. Mineralization consist fine grained disseminated pyrite as well as fill fractures and patches up 5%. The silicifications go on in down hole but from 614.6 the intensity of silica decrease and rock becomes reddish due to strong potassic alteration.					
604.10	614.60	Si90 **Silica 90** A changes in color and alteration with sharp upper and lower contact @ 90 dtca marks the beginning of this silicification zone. In this narrow interval the unit shows very strong pervasive silicification and					

Description			Assay				
			From	To	Sample number	Length	AuBest
		carbonatization. Grey groundmass including quartz veins, patches, and wisp up 70% contains sericite and carbonate. Mineralization consist fine grained disseminated pyrite as well as fill fractures and patches up 5%. The silicifications go on in down hole but from 614.6 the intensity of silica decrease and rock becomes reddish due to strong potassic alteration.					
604.50	610.50	Py01	604.50	606.00	Q300631	1.50	0.104
		Pyrite 1%	606.00	607.50	Q300632	1.50	0.048
		Fine grained disseminated pyrite up 1%	607.50	609.00	Q300633	1.50	0.065
			609.00	610.50	Q300634	1.50	0.075
610.50	612.00	Py03	610.50	612.00	Q300635	1.50	0.064
		Pyrite 3%					
		Fine grained disseminated pyrite up 3%					
612.00	621.00	Py01	612.00	613.50	Q300636	1.50	0.156
		Pyrite 1%	613.50	615.00	Q300637	1.50	0.107
		Fine grained disseminated pyrite up 1%					
614.60	661.50	V4a	615.00	616.50	Q300638	1.50	0.11
		Trachyte Altered 90°	616.50	618.00	Q300639	1.50	0.076
		From this point the hole goes back into trachyte altered. Fine medium and coarse grained, red grey and green color with strong predominate intense silica, potassic, weak albite, sericite, chlorite and moderate ankerite alteration.Mineralization consist fine grained disseminated pyrite as well as fill fractures and patches up 5%. Mineralization consist fine grained disseminated pyrite as well as fill fractures and patches up 5%. The silicifications go on in down hole but from 614.6 the intensity of silica decrease and rock becomes reddish due to strong potassic alteration. Somewhere when the intensity of alteration increase the texture is destroyed. Quartz veins and patches pervade @ variable orientation up 10%. From 638.50-638.52 A quartz vein contains large chalcopyrite wide 2cm cross cut the unit @ 85 dtca. The assay result do not show any gold mineralization associated with this vein.	618.00	619.50	Q300640	1.50	0.074
			619.50	621.00	Q300641	1.50	0.067
614.60	639.00	Si03; K02; Se02; Cl02					
		Silica 3; Potassic 2; Sericite 2; Chlorite 2					
		Strong selective silca at the first 10 meter and moderate to weak in the down hole. Pervasive moderate, potassic, ankerite,sericite and weak to moderate chlorite alteration.					
621.00	622.50	Py03	621.00	622.50	Q300642	1.50	0.166
		Pyrite 3%					
		Fine grained disseminated as well as fill fractures pyrite.					
622.50	627.00	Py01	622.50	624.00	Q300643	1.50	0.253
		Pyrite 1%	624.00	625.50	Q300644	1.50	0.073
		Fine grained disseminated pyrite up 1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
			625.50	627.00	Q300645	1.50	0.08
627.00	628.50	Py03 **Pyrite 3%** Fine grained disseminated pyrite up 3%	627.00	628.50	Q300646	1.50	0.148
628.50	630.00	Py05 **Pyrite 5%** Fine grained disseminated as well as patchy concentration up 5%	628.50	630.00	Q300647	1.50	0.221
			630.00	631.50	Q300648	1.50	0.129
631.50	634.50	Py05 **Pyrite 5%** FINE GRAINED DISSEMINATED AS WELL AS CLUSTER PYRITE UP TO 5%.	631.50	633.00	Q300649	1.50	0.091
			633.00	634.50	Q300652	1.50	0.077
634.50	640.00	Py03; Cp02 **Pyrite 3%; Chalcopyrite 2%** Cluster and fine grained disseminated up to 3%. and two chalcopyrite veins.	634.50	636.00	Q300653	1.50	0.155
			636.00	637.50	Q300654	1.50	0.101
			637.50	639.00	Q300655	1.50	0.13
638.50	638.52	Vn;65%;Qtz;Vc;85°;Cp35; **vein (5 mm - 10 cm) 65% white quartz vein cross-cutting foliation 85° Chalcopyrite 35%** A quartz vein wide 2cm contains large chalcopyrite cross cut the unit @ 85 dtca. The assay result do not show any gold mineralization associated with this vein.	639.00	640.50	Q300656	1.50	0.069
640.50	643.50	Py01 **Pyrite 1%** Fine grained disseminated pyrite.	640.50	642.00	Q300657	1.50	0.099
			642.00	643.50	Q300658	1.50	0.14
643.50	645.00	Py03 **Pyrite 3%** Fine grained as well as cluster distribution up to 3%.	643.50	645.00	Q300659	1.50	0.106
645.00	648.00	Py01 **Pyrite 1%** Fine grained as well as cluster distribution up to 1%.	645.00	646.50	Q300660	1.50	0.256
			646.50	648.00	Q300661	1.50	0.031

Description			Assay				
			From	To	Sample number	Length	AuBest
648.00	649.00	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** Fine grained disseminated pyrite as well as a few chalcopyrite veinlets.	648.00	649.50	Q300662	1.50	0.2
649.00	654.00	Py01 **Pyrite 1%** Fine grained disseminated pyrite up 1%.	649.50	651.00	Q300663	1.50	0.13
			651.00	652.50	Q300664	1.50	0.242
			652.50	654.00	Q300665	1.50	0.23
654.00	660.00	Py03 **Pyrite 3%** Fine grained disseminated pyrite up 3%.	654.00	655.50	Q300666	1.50	0.13
			655.50	657.00	Q300667	1.50	0.232
			657.00	658.50	Q300668	1.50	0.159
			658.50	660.00	Q300669	1.50	0.057
660.00	661.50	Py01 **Pyrite 1%** Fine grained disseminated pyrite up 1%.	660.00	661.50	Q300670	1.50	0.132
661.50	749.00	V4; Tuff **Trachyte 45°; TUFF** In this point the intense potassic and moderate ankerite alteration fade and the color change to green to dark green. Fine, medium and coarse grained groundmass pervades by pinkish to whitish wispy, splashes and veinlets of calcite. These are well foliated @ 45 dtca. The rock is almost fresh but somewhere shows isolat weak sericite and potassic alteration. Pervasive intense magnetite and moderate to strong calcite alteration. Somewhere the calcite overprinted by feldspar. The pyrite mineralization and quartz veining are trace.	661.50	663.00	Q300671	1.50	0.106
			663.00	664.50	Q300672	1.50	<0.005
			664.50	666.00	Q300673	1.50	0.022
			666.00	667.50	Q300674	1.50	0.009
			667.50	669.00	Q300677	1.50	0.013
			669.00	670.50	Q300678	1.50	0.015
			670.50	672.00	Q300679	1.50	0.006
			672.00	673.50	Q300680	1.50	0.011
			673.50	675.00	Q300681	1.50	0.031
			675.00	676.50	Q300682	1.50	0.035
			676.50	678.00	Q300683	1.50	0.036
			678.00	679.50	Q300684	1.50	0.094
			679.50	681.00	Q300685	1.50	0.129
			681.00	682.50	Q300686	1.50	0.211
			682.50	684.00	Q300687	1.50	0.131
			684.00	685.50	Q300688	1.50	0.222
			685.50	687.00	Q300689	1.50	0.196
			687.00	688.50	Q300690	1.50	0.029

Description			Assay				
			From	To	Sample number	Length	AuBest
			688.50	690.00	Q300691	1.50	0.041
			690.00	691.50	Q300692	1.50	0.009
			691.50	693.00	Q300693	1.50	0.011
			693.00	694.50	Q300694	1.50	0.009
			694.50	696.00	Q300695	1.50	0.024
			696.00	697.50	Q300696	1.50	0.007
			697.50	699.00	Q300697	1.50	<0.005
			699.00	700.50	Q300698	1.50	0.01
			700.50	702.00	Q300699	1.50	0.014
702.00	749.00	Py00.5	702.00	703.50	Q300702	1.50	0.014
		Pyrite 0.5%	703.50	705.00	Q300703	1.50	0.006
		Fine grained fill fractures pyrite change from trace to locally up 0.5 %.	705.00	706.50	Q300704	1.50	<0.005
			706.50	708.00	Q300705	1.50	0.152
			708.00	709.50	Q300706	1.50	0.042
			709.50	711.00	Q300707	1.50	0.007
			711.00	712.50	Q300708	1.50	0.006
			712.50	714.00	Q300709	1.50	0.01
			714.00	715.50	Q300710	1.50	0.071
			715.50	717.00	Q300711	1.50	0.01
			717.00	718.50	Q300712	1.50	0.006
			718.50	720.00	Q300713	1.50	<0.005
			720.00	721.50	Q300714	1.50	0.021
			721.50	723.00	Q300715	1.50	0.04
			723.00	724.50	Q300716	1.50	0.049
			724.50	726.00	Q300717	1.50	0.005
			726.00	727.50	Q300718	1.50	0.006
			727.50	729.00	Q300719	1.50	0.028
			729.00	730.50	Q300720	1.50	<0.005
			730.50	732.00	Q300721	1.50	<0.005
			732.00	733.50	Q300722	1.50	<0.005
			733.50	735.00	Q300723	1.50	0.037
			735.00	736.50	Q300724	1.50	0.018
			736.50	738.00	Q300727	1.50	0.048
			738.00	739.50	Q300728	1.50	0.017

Description	Assay				
	From	To	Sample number	Length	AuBest
	739.50	741.00	Q300729	1.50	0.022
	741.00	742.50	Q300730	1.50	0.017
	742.50	744.00	Q300731	1.50	0.028
	744.00	745.50	Q300732	1.50	0.247
	745.50	747.00	Q300733	1.50	0.096
	747.00	749.00	Q300734	2.00	0.174
749.00	**End of DDH**				
	Number of samples: 479				
	Number of QAQC samples: 42				
	Total sampled length: 719.20				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_79

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	Gilles Kamta	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	27/04/2014	Description date:	15/05/2014
		To:	15/05/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 458.21 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,299.092
North	0.0	0.000	5,331,544.746
Elevation	0.0	0.000	341.892

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	54.00	184.6°	-50.5°	No	Mag = 55819
ReflexEZS	114.00	186.1°	-50.2°	No	Mag = 55569
ReflexEZS	174.00	187.2°	-49.3°	No	Mag = 55583
ReflexEZS	234.00	190.2°	-48.7°	No	Mag = 55573
ReflexEZS	294.00	192.0°	-45.2°	No	Mag = 55412
ReflexEZS	354.00	193.5°	-42.3°	No	Mag = 55759
ReflexEZS	414.00	193.9°	-39.3°	No	

Description

Reloog By Gilles Kamta start 12 september end 14 sept 2014.
From 40-387 core size NQ
from 387-458.22 m core size BQ

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	40.00	OVB					
		Overburden					
		Overburden or casing					
40.00	77.70	V4; Per	40.00	41.00	R216422	1.00	0.297
		Trachyte; PERLITIC					
		Reddish patchy brownish color trachyte flow, aphanitic to fine grained texture, the unit present some cracks with localized perlitic texture. Intersection of 10-20 cm with brownish color are strongly altered to ankerite, some Localized joints are strongly rusty, altered by weathering (oxide carbonate).The magnetism is intermittant, weak to moderate. Alteration consist of strong pervasive potassic alteration, spotty sericite, moderate to strong ankerite, localized chlorite stringers. The unit is mineralized traces to 3 % fine grained euhedral and mottled stringers pyrite, traces of chalcopyrite in small veins.					
		From 62.70-66 m presence of flow bedding at 30-60 DTCA underline by chlorite or ankerite hairlines.					
40.00	62.00	K03; Ank03; Si01; Ox01; Se01					
		Potassic 3; Ankerite 3; Silica 1; Oxidation 1; Sericite 1					
		Strong pervasive potassic-ankerite alteration, weak spotty sericite and silica, oxidation in joints					
40.00	41.00	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite					
41.00	42.00	Py00.5	41.00	42.00	R216423	1.00	0.064
		Pyrite 0.5%					
		fine grained pyrite					
42.00	43.50	Py00.5	42.00	43.50	R216424	1.50	0.094
		Pyrite 0.5%					
		Fine grained pyrite					
43.50	45.00	Py01	43.50	45.00	R216427	1.50	0.42
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
45.00	46.50	Py02	45.00	46.50	R216428	1.50	0.28
		Pyrite 2%					
		Euhedral, fine grained and stringers pyrite disseminated					
46.50	48.00	Py03	46.50	48.00	R216429	1.50	0.445
		Pyrite 3%					
		Euhedral, fine grained and stringers pyrite disseminated.					
48.00	49.50	Py02	48.00	49.50	R216430	1.50	0.365
		Pyrite 2%					
		Euhedral and mottled fine pyrite disseminated.					
49.50	51.00	Py02	49.50	51.00	R216431	1.50	0.31
		Pyrite 2%					
		Euhedral, mottled and fine grained pyrite disseminated					
51.00	52.50	Py03	51.00	52.50	R216432	1.50	0.352

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 3%					
		Euhedral, mottled and fine grained pyrite disseminated					
52.50	54.00	Py03	52.50	54.00	R216433	1.50	0.309
		Pyrite 3%					
		Euhedral, mottled and fine grained pyrite disseminated					
54.00	55.50	Py02	54.00	55.50	R216434	1.50	0.21
		Pyrite 2%					
		Euhedral and fine grained pyrite disseminated					
55.50	57.00	Py01	55.50	57.00	R216435	1.50	0.194
		Pyrite 1%					
		Euhedral and fine grained pyrite disseminated					
57.00	58.50	Py00.5	57.00	58.50	R216436	1.50	0.167
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
58.50	60.00	Py00.5; Cp00.2; Mo00.2	58.50	60.00	R216437	1.50	0.089
		Pyrite 0.5%; Chalcopyrite 0.2%; Molybdenite 0.2%					
		Fine grained pyrite disseminated, chalcopyrite in veinlets, traces of molybdenite					
60.00	61.50	Py00.5	60.00	61.50	R216438	1.50	0.104
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
61.50	63.00	Py00.5	61.50	63.00	R216439	1.50	0.092
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
62.00	66.00	K03; Ank03; Ox02; Cl02; Se01					
		Potassic 3; Ankerite 3; Oxidation 2; Chlorite 2; Sericite 1					
		Strong pervasive potassic ankerite alteration, joints strongly oxide, weak to moderate sericite chlorite in foliated intervals of 10-20 length.					
63.00	66.00	Fln	63.00	64.50	R216440	1.50	0.056
		Foliation 40°					
		weak intermitant foliation					
63.00	64.50	Py00.2					
		Pyrite 0.2%					
		Fine grained pyrite disseminated					
64.50	66.00	Py00.2; Cp00.1	64.50	66.00	R216441	1.50	0.01
		Pyrite 0.2%; Chalcopyrite 0.1%					
		Traces of pyrite, chalcopyrite in veins					
66.00	77.10	K03; Ank03; Se02; Cl02; Si01	66.00	67.50	R216442	1.50	0.011
		Potassic 3; Ankerite 3; Sericite 2; Chlorite 2; Silica 1					
		Moderate to strong pervasive potassic-ankerite alteration, weak silicification, moderate spotty sericite and chlorite, weak silicification					

Description			Assay				
			From	To	Sample number	Length	AuBest
66.00	67.50	Py00.2					
		Pyrite 0.2%					
		Traces of pyrite					
67.50	69.00	Py02	67.50	69.00	R216443	1.50	0.012
		Pyrite 2%					
		Traces of pyrite					
69.00	70.50	Py05	69.00	70.50	R216444	1.50	0.015
		Pyrite 5%					
		Fine grained pyrite disseminated.					
69.10	74.50	Bxh					
		Breccia healed					
		Welded heterogeneous fragments					
70.50	72.00	Py00.5	70.50	72.00	R216445	1.50	0.021
		Pyrite 0.5%					
		Fine grained Pyrite					
72.00	73.50	Py00.2	72.00	73.50	R216446	1.50	0.019
		Pyrite 0.2%					
		Traces of pyrite					
73.50	75.00	Py00.2	73.50	75.00	R216447	1.50	0.016
		Pyrite 0.2%					
		traces of pyrite					
74.50	76.50	Vm;30%;Qak;In;60°;;					
		major vein (10 cm or greater) 30% quartz-ankerite infilled fractures 60°					
		Whitish quartz-ankerite veins 10-30 cm.					
75.00	76.50	Py00.5	75.00	76.50	R216448	1.50	0.028
		Pyrite 0.5%					
		Euhedral and fine grained pyrite disseminated					
76.10	77.17	Fln					
		Foliation 60°					
		Weak to moderate foliation					
76.50	78.00	Py00.5; Cp00.2	76.50	78.00	R216449	1.50	0.04
		Pyrite 0.5%; Chalcopyrite 0.2%					
		fine frained pyrite disseminated, traces of chalcopyrite in veinlet					
77.10	96.17	Se03; Cl03; K02; Ank02					
		Sericite 3; Chlorite 3; Potassic 2; Ankerite 2					
		Moderate to strong sericite-ankerite- chlorite, weak to moderte potassic alteration					
77.17	231.70	Bxh					
		Breccia healed					
		Weded heterogeneous fragments					
77.70	97.04	V4; LapTuff; Cry					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte; LAPILLI TUFF/AGGLOMERATE; CRYSTALRICH Lightly green lapilli tuff cristal rich (1-2 mm size) weldded with a fine grained cement, some locallized clasts can be observe, It's weakly foliated, non magnetic and strongly altered to sericite and ankerite, moderate chlorite.The unit is mineralized traces of pyrite. The contact with the upper unit is gradationnel.					
78.00	79.50	Py00.2 **Pyrite 0.2%** Traces of pyrite.	78.00	79.50	R216452	1.50	<0.005
79.50	81.00	Py00.2 **Pyrite 0.2%** Traces of pyrite.	79.50	81.00	R216453	1.50	<0.005
81.00	82.50	Py00.2 **Pyrite 0.2%** Traces of pyrite.	81.00	82.50	R216454	1.50	<0.005
82.50	84.00	Py00.2 **Pyrite 0.2%** Traces of pyrite.	82.50	84.00	R216455	1.50	<0.005
84.00	85.50	Py00.2 **Pyrite 0.2%** Traces of pyrite.	84.00	85.50	R216456	1.50	<0.005
85.50	87.00	Py00.2 **Pyrite 0.2%** Traces of pyrite.	85.50	87.00	R216457	1.50	<0.005
87.00	88.50	Py00.2 **Pyrite 0.2%** Traces of pyrite.	87.00	88.50	R216458	1.50	<0.005
88.50	90.00	Py00.2 **Pyrite 0.2%** Traces of pyrite.	88.50	90.00	R216459	1.50	<0.005
90.00	91.50	Py00.2 **Pyrite 0.2%** Traces of pyrite.	90.00	91.50	R216460	1.50	<0.005
91.50	93.00	Py00.2 **Pyrite 0.2%** Traces of pyrite.	91.50	93.00	R216461	1.50	<0.005
93.00	94.50	Py00.2 **Pyrite 0.2%** Traces of pyrite.	93.00	94.50	R216462	1.50	0.005
94.50	96.00	Py00.2 **Pyrite 0.2%** Traces of pyrite.	94.50	96.00	R216463	1.50	0.008

Description				Assay				
				From	To	Sample number	Length	AuBest
96.00	97.50	Py00.2		96.00	97.50	R216464	1.50	<0.005
		Pyrite 0.2%						
		Traces of pyrite.						
96.17	108.00	Ank02; K02; Cl02						
		Ankerite 2; Potassic 2; Chlorite 2						
		moderate pervasive ankerite, moderate spotty potassic-chlorite and sericite alteration						
97.04	300.15	V4; Vol; Lithic						
		Trachyte 50°; VOLCANICLASTIC; LITHIC						
		Pinkish green to Green grey patchy red volcanocalstic trachyte with tuffacious unit. the fragments are angular or rounded 0.2-5 cm and type in a fine grained matrix, the unit is intertect by beige trachytic flows and small quartz-ankerite veins and veinlets. The tuffacious unit is weakly foliatiated and contents lithic fragments, strongly altered to sericite.Translucent crystals are disseminated up to 10%. Localized breccia (cracks). All the unit is non magnetic, altered the chlorite and sericite, some chlorite stringers are fill of pyrite or chalcopyrite spotty strong potassic alteration. Few intersection are strongly silicified or albitized. Mineralisation consist of traces to 0.5% pyrite, traces of chalcopyrite in veins or veinlets.							
97.50	99.00	Py00.2		97.50	99.00	R216465	1.50	0.024
		Pyrite 0.2%						
		Traces of pyrite.						
99.00	100.50	Py00.2						
		Pyrite 0.2%						
		Traces of pyrite.						
99.00	104.00	Vn;3%;Qak;In;50°;;		99.00	100.50	R216466	1.50	0.067
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°						
		Quartz-ankerite veins 1-2 cm						
100.50	102.00	Py00.2		100.50	102.00	R216467	1.50	0.016
		Pyrite 0.2%						
		Traces of pyrite.						
102.00	103.50	Py00.5		102.00	103.50	R216468	1.50	0.039
		Pyrite 0.5%						
		Fine grained pyrite disseminated						
103.50	105.00	Py00.2		103.50	105.00	R216469	1.50	0.007
		Pyrite 0.2%						
		Traces of pyrite.						
105.00	106.50	Py00.2		105.00	106.50	R216470	1.50	0.024
		Pyrite 0.2%						
		Traces of pyrite.						
106.50	108.00	Py00.2		106.50	108.00	R216471	1.50	0.039
		Pyrite 0.2%						
		Traces of pyrite.						
108.00	143.00	Ank03; K02; Cl02; Se01; Si01; Si		108.00	109.50	R216472	1.50	0.042

Description			Assay				
			From	To	Sample number	Length	AuBest
		Ankerite 3; Potassic 2; Chlorite 2; Sericite 1; Silica 1; Silica					
		strong pervasive anlerite alteration, moderate potassic and chlorite. spotty silicification.					
108.00	109.50	Py00.1					
		Pyrite 0.1%					
		Traces of pyrite.					
109.50	111.00	Py00.1	109.50	111.00	R216473	1.50	0.104
		Pyrite 0.1%					
		Traces of pyrite.					
111.00	112.50	Py00.1	111.00	112.50	R216474	1.50	0.113
		Pyrite 0.1%					
		Traces of pyrite.					
112.50	114.00	Py00.5	112.50	114.00	R216477	1.50	0.103
		Pyrite 0.5%					
		Pyrite in veins					
114.00	115.50	Py00.2					
		Pyrite 0.2%					
		Traces of pyrite.					
114.00	115.50	Vn;5%;Qcl;In;2°;Py00.5;	114.00	115.50	R216478	1.50	0.047
		vein (5 mm - 10 cm) 5% quartz-chlorite infilled fractures 2° Pyrite 0.5%					
		infilled quartz calcite sub // CA with pyrite.					
115.50	117.00	Py00.2	115.50	117.00	R216479	1.50	0.021
		Pyrite 0.2%					
		Traces of pyrite.					
117.00	118.50	Py00.2	117.00	118.50	R216480	1.50	0.764
		Pyrite 0.2%					
		Traces of pyrite.					
118.50	120.00	Py00.2	118.50	120.00	R216481	1.50	0.11
		Pyrite 0.2%					
		Traces of pyrite.					
120.00	121.50	Py00.2	120.00	121.50	R216482	1.50	0.012
		Pyrite 0.2%					
		Traces of pyrite.					
121.50	123.00	Py00.2	121.50	123.00	R216483	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite.					
123.00	124.50	Py00.2	123.00	124.50	R216484	1.50	0.007
		Pyrite 0.2%					
		Traces of pyrite.					
124.50	126.00	Py00.5	124.50	126.00	R216485	1.50	0.039
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fine grained pyrite in chloritic fragments					
126.00	127.50	Py00.5	126.00	127.50	R216486	1.50	0.023
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
127.50	129.00	Py00.2; Cp00.1; Cp; Mo00.1	127.50	129.00	R216487	1.50	<0.005
		Pyrite 0.2%; Chalcopyrite 0.1%; Chalcopyrite; Molybdenite 0.1%					
		traces of pyrite, chalcopyrite and molybdenite					
129.00	130.50	Py00.2	129.00	130.50	R216488	1.50	0.013
		Pyrite 0.2%					
		traces					
130.50	132.00	Py00.1	130.50	132.00	R216489	1.50	0.062
		Pyrite 0.1%					
		traces of pyrite					
132.00	133.50	Py00.5	132.00	133.50	R216490	1.50	0.08
		Pyrite 0.5%					
		fine grained pyrite disseminated					
133.50	135.00	Py00.5	133.50	135.00	R216491	1.50	0.036
		Pyrite 0.5%					
		Fine grained pyrite in quartz chlorite veins					
135.00	136.50	Py00.2; Hem00.2	135.00	136.50	R216492	1.50	0.008
		Pyrite 0.2%; SPECULARITE 0.2%					
		traces of pyrite, fragments with specularite					
136.50	138.00	Py00.2; Cp00.2; Hem00.2	136.50	138.00	R216493	1.50	0.008
		Pyrite 0.2%; Chalcopyrite 0.2%; SPECULARITE 0.2%					
		traces of pyrite ans chalcopyrite, specularite in veins					
138.00	139.50	Py00.2; Hem00.2	138.00	139.50	R216494	1.50	<0.005
		Pyrite 0.2%; SPECULARITE 0.2%					
		Traces of pyrite and specularite					
139.50	141.00	Py00.2	139.50	141.00	R216495	1.50	0.005
		Pyrite 0.2%					
		Traces of pyrite					
141.00	142.50	Py00.5	141.00	142.50	R216496	1.50	0.017
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
142.50	144.00	Py00.2	142.50	144.00	R216497	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
143.00	206.30	Ank03; K03; Se02; Cl02; Si01					
		Ankerite 3; Potassic 3; Sericite 2; Chlorite 2; Silica 1					
		Pervasive strong potassic ankerite, moderate chlorite-sericite spotty weak silicification					

Description			Assay				
			From	To	Sample number	Length	AuBest
144.00	145.50	Py00.2; Cp00.1	144.00	145.50	R216498	1.50	0.018
		Pyrite 0.2%; Chalcopyrite 0.1%					
		Traces of pyrite, traces of chalcopyrite in veins					
145.50	147.00	Py00.2	145.50	147.00	R216499	1.50	0.043
		Pyrite 0.2%					
		Traces of pyrite					
147.00	148.50	Py00.2	147.00	148.50	R216502	1.50	0.018
		Pyrite 0.2%					
		Traces of pyrite					
148.50	150.00	Py00.2	148.50	150.00	R216503	1.50	0.008
		Pyrite 0.2%					
		Traces of pyrite					
150.00	151.50	Py00.2	150.00	151.50	R216504	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
151.50	153.00	Py00.2	151.50	153.00	R216505	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
153.00	154.50	Py00.2	153.00	154.50	R216506	1.50	<0.005
		Pyrite 0.2%					
		Traces of pyrite					
154.50	156.00	Py00.5; Cp00.1; Hem00.2	154.50	156.00	R216507	1.50	0.017
		Pyrite 0.5%; Chalcopyrite 0.1%; SPECULARITE 0.2%					
		Fine grained pyrite disseminated, traces of chalcopyrite in veinlets, traces of specularite					
156.00	157.50	Py00.5	156.00	157.50	R216508	1.50	0.013
		Pyrite 0.5%					
		Fine grained pyrite locally in chlorite veins					
157.50	159.00	Py00.5; Hem00.2	157.50	159.00	R216509	1.50	0.024
		Pyrite 0.5%; SPECULARITE 0.2%					
		Euhedral and fine grained pyrite disseminated, traces of specularite.					
159.00	160.50	Py00.5	159.00	160.50	R216510	1.50	0.011
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
160.50	162.00	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
160.50	168.00	Vn;3%;Qcl;In;5°;Py00.1;	160.50	162.00	R216511	1.50	0.074
		vein (5 mm - 10 cm) 3% quartz-chlorite infilled fractures 5° Pyrite 0.1%					
		quartz-chlorite veins 5 DTCA with traces of pyrite					
162.00	163.50	Py00.5	162.00	163.50	R216512	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
163.50	165.00	Py00.5	163.50	165.00	R216513	1.50	0.018
		Pyrite 0.5%					
		Fine grained pyrite or pyrite associated to quartz-calcite veins					
165.00	166.50	Py00.5; Cp00.1	165.00	166.50	R216514	1.50	0.014
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Fine grained pyrite disseminated, traces of chalcopyrite in veinlets.					
166.50	168.00	Py00.5	166.50	168.00	R216515	1.50	0.054
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
168.00	169.50	Py00.1	168.00	169.50	R216516	1.50	0.012
		Pyrite 0.1%					
		Traces of pyrite					
169.50	171.00	Py00.2	169.50	171.00	R216517	1.50	0.043
		Pyrite 0.2%					
		traces of pyrite					
171.00	172.50	Py00.2	171.00	172.50	R216518	1.50	0.023
		Pyrite 0.2%					
		Traces of pyrite					
172.50	174.00	Py00.2	172.50	174.00	R216519	1.50	0.029
		Pyrite 0.2%					
		traces of pyrite					
174.00	175.50	Py00.5	174.00	175.50	R216520	1.50	0.044
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
175.50	177.00	Py00.2	175.50	177.00	R216521	1.50	0.031
		Pyrite 0.2%					
		Traces of pyrite					
177.00	178.50	Py00.2	177.00	178.50	R216522	1.50	0.031
		Pyrite 0.2%					
		traces of pyrite					
178.50	180.00	Py00.2	178.50	180.00	R216523	1.50	0.026
		Pyrite 0.2%					
		Traces pf pyrite					
180.00	181.50	Py00.2	180.00	181.50	R216524	1.50	0.035
		Pyrite 0.2%					
		traces of pyrite					
181.50	183.00	Py00.2; Hem00.2	181.50	183.00	R216527	1.50	0.022
		Pyrite 0.2%; SPECULARITE 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Traces of pyrite and specularite					
183.00	184.50	Py00.2	183.00	184.50	R216528	1.50	0.024
		Pyrite 0.2%					
		traces of pyrite					
184.50	186.00	Py00.2	184.50	186.00	R216529	1.50	0.016
		Pyrite 0.2%					
		traces of pyrite					
185.80	186.00	Vn;40%;Qac;In;50°;;					
		vein (5 mm - 10 cm) 40% quartz-ankerite-chlorite infilled fractures 50°					
		infilled quartz-ankerite -chlorite veins					
186.00	187.50	Py00.2	186.00	187.50	R216530	1.50	0.012
		Pyrite 0.2%					
		traces of pyrite					
187.50	189.00	Py00.2	187.50	189.00	R216531	1.50	0.034
		Pyrite 0.2%					
		traces of pyrite					
189.00	190.50	Py00.2	189.00	190.50	R216532	1.50	0.02
		Pyrite 0.2%					
		traces of pyrite in chlorite stringers					
190.50	192.00	Py00.5	190.50	192.00	R216533	1.50	0.012
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
192.00	193.50	Py00.5	192.00	193.50	R216534	1.50	0.007
		Pyrite 0.5%					
		fine grained pyrite disseminated					
193.50	195.00	Py00.5	193.50	195.00	R216535	1.50	0.011
		Pyrite 0.5%					
		fine grained pyrite disseminated					
195.00	196.50	Py00.5; Py	195.00	196.50	R216536	1.50	0.009
		Pyrite 0.5%; Pyrite					
		fine grained pyrite disseminated					
196.50	198.00	Py00.5	196.50	198.00	R216537	1.50	0.009
		Pyrite 0.5%					
		fine grained pyrite disseminated					
198.00	199.50	Py00.5	198.00	199.50	R216538	1.50	0.009
		Pyrite 0.5%					
		fine grained pyrite					
199.50	201.00	Py00.5	199.50	201.00	R216539	1.50	0.008
		Pyrite 0.5%					
		fine grained pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
201.00	202.50	Py00.5	201.00	202.50	R216540	1.50	0.005
		Pyrite 0.5%					
		fine grained pyrite					
202.50	204.00	Py00.5	202.50	204.00	R216541	1.50	0.007
		Pyrite 0.5%					
		fine grained pyrite					
204.00	205.50	Py00.5	204.00	205.50	R216542	1.50	0.018
		Pyrite 0.5%					
		fine grained pyrite					
205.50	207.00	Py00.5	205.50	207.00	R216543	1.50	0.02
		Pyrite 0.5%					
		fine grained pyrite					
206.30	210.50	Ank02; Se02; Cl02; K01					
		Ankerite 2; Sericite 2; Chlorite 2; Potassic 1					
		Moderate ankerite-chlorite-sericite alteration,					
207.00	208.50	Py00.5	207.00	208.50	R216544	1.50	0.046
		Pyrite 0.5%					
		fine grained pyrite					
208.50	210.00	Py00.5	208.50	210.00	R216545	1.50	0.033
		Pyrite 0.5%					
		fin egrained pyrite					
210.00	211.50	Py00.5	210.00	211.50	R216546	1.50	0.044
		Pyrite 0.5%					
		fine grained pyrite					
210.50	217.50	K03; Ank03; Se02; Cl01					
		Potassic 3; Ankerite 3; Sericite 2; Chlorite 1					
		Strong potassic alteration, moderate sericite, weak intermittant chlorite					
211.50	213.00	Py00.2	211.50	213.00	R216547	1.50	0.026
		Pyrite 0.2%					
		traces of pyrite					
213.00	214.50	Py00.2	213.00	214.50	R216548	1.50	0.011
		Pyrite 0.2%					
		traces of pyrite					
214.50	216.00	Py00.2	214.50	216.00	R216549	1.50	0.017
		Pyrite 0.2%					
		Traces of pyrite					
216.00	217.50	Py00.5	216.00	217.50	R216552	1.50	0.024
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
217.50	220.50	Ank03; Si02; Cl02; Ank01					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Ankerite 3; Silica 2; Chlorite 2; Ankerite 1					
		strong pervasive ankerite, moderate chlorite, weak spotty sericite					
217.50	219.00	Py00.2					
		Pyrite 0.2%					
		fine grained pyrite disseminated					
217.50	222.00	Vn;30%;Qak;In;;Py00.1;	217.50	219.00	R216553	1.50	0.1
		vein (5 mm - 10 cm) 30% quartz-ankerite infilled fractures Pyrite 0.1%					
		Whitish or smokey grey quartz ankerite veins and veinlets. locally as stockwork					
219.00	220.50	Py00.5	219.00	220.50	R216554	1.50	0.178
		Pyrite 0.5%					
		fine grained pyrite disseminated					
220.50	231.70	K03; Ank03; Cl01; Se01	220.50	222.00	R216555	1.50	0.141
		Potassic 3; Ankerite 3; Chlorite 1; Sericite 1					
		Strong pervasive potassic anterite alteration, spotty chlorite and sericite					
220.50	222.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite disseminated					
222.00	223.50	Py00.5	222.00	223.50	R216556	1.50	0.09
		Pyrite 0.5%					
		fine grained pyrite disseminated					
223.30	223.70	Vn;20%;Sgq;In;70°;Py00.2;					
		vein (5 mm - 10 cm) 20% smoky grey quartz infilled fractures 70° Pyrite 0.2%					
		smoky grey quartz veins with traces of pyrite					
223.50	225.00	Py00.5	223.50	225.00	R216557	1.50	0.053
		Pyrite 0.5%					
		fine grained pyrite disseminated					
225.00	226.50	Py00.5	225.00	226.50	R216558	1.50	0.013
		Pyrite 0.5%					
		fine grained pyrite disseminated					
226.50	228.00	Py00.5	226.50	228.00	R216559	1.50	0.012
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
228.00	229.50	Py00.5	228.00	229.50	R216560	1.50	0.021
		Pyrite 0.5%					
		fine grained pyrite disseminated					
229.50	231.00	Py00.5	229.50	231.00	R216561	1.50	0.024
		Pyrite 0.5%					
		fine grained pyrite disseminated					
231.00	232.50	Py00.5	231.00	232.50	R216562	1.50	0.029
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite disseminated					
231.70	240.00	V4; LapTuff; Lithic					
		Trachyte; LAPILLI TUFF/AGGLOMERATE; LITHIC					
		Lightly green trachytic tuff, weakly foliated 50-60 DTCA and contents lithic fragments, pumice and translucent quartz crystals up to 5%.Tthe unit is non magnetic and strongly altered to sericite and chlorite, moderate to weak pervasive ankerite. mineralized traces to 0.5% euhedral fine grained or stringers pyrite.					
231.70	240.00	Ank03; Se02; Cl02					
		Ankerite 3; Sericite 2; Chlorite 2					
		Strong ankerite alteration, moderate pervasive chlorite-sericite, week spotty potassic					
231.70	240.00	Fln; Bxh					
		Foliation 60°; Breccia healed					
		Moderate pervasive foliation, localized breccia					
232.50	234.00	Py00.5	232.50	234.00	R216563	1.50	0.027
		Pyrite 0.5%					
		fine grained pyrite disseminated					
234.00	235.50	Py00.5	234.00	235.50	R216564	1.50	0.025
		Pyrite 0.5%					
		fine grained pyrite disseminated					
235.50	237.00	Py00.5	235.50	237.00	R216565	1.50	0.02
		Pyrite 0.5%					
		fine grained pyrite disseminated					
237.00	238.50	Py00.2	237.00	238.50	R216566	1.50	0.01
		Pyrite 0.2%					
		traces of pyrite					
238.50	240.00	Py00.2	238.50	240.00	R216567	1.50	0.016
		Pyrite 0.2%					
		traces of pyrite					
240.00	254.00	Ank03; K02; Se02; Cl01					
		Ankerite 3; Potassic 2; Sericite 2; Chlorite 1					
		Strong pervasive chlorite, moderate pervasive sericite-potassic, weak spotty chlorite					
240.00	301.15	Bxh; Fln	240.00	241.50	R216568	1.50	0.009
		Breccia healed; Foliation 50°					
		Wedded fragments (angular or elonged) weak foliation with thin lamination					
240.00	241.50	Py00.2					
		Pyrite 0.2%					
		traces of pyrite					
241.50	243.00	Py00.2	241.50	243.00	R216569	1.50	0.005
		Pyrite 0.2%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
243.00	244.50	Py00.2	243.00	244.50	R216570	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
244.50	246.00	Py00.2	244.50	246.00	R216571	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
246.00	247.50	Py00.2	246.00	247.50	R216572	1.50	0.006
		Pyrite 0.2%					
		traces of pyrite					
247.50	249.00	Py00.2	247.50	249.00	R216573	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
249.00	250.50	Py00.2	249.00	250.50	R216574	1.50	<0.005
		Pyrite 0.2%					
		traces					
250.50	306.00	Py00.2	250.50	252.00	R216577	1.50	0.009
		Pyrite 0.2%	252.00	253.50	R216578	1.50	0.006
		traces of pyrite	253.50	255.00	R216579	1.50	0.006
254.00	325.50	Ank03; K03; Se02; Cl02	255.00	256.50	R216580	1.50	<0.005
		Ankerite 3; Potassic 3; Sericite 2; Chlorite 2	256.50	258.00	R216581	1.50	<0.005
		Strong pervasive potassic-ankerite alteration, moderate spotty chlorite-sercite alteration	258.00	259.50	R216582	1.50	<0.005
			259.50	261.00	R216583	1.50	<0.005
			261.00	262.50	R216584	1.50	<0.005
			262.50	264.00	R216585	1.50	<0.005
			264.00	265.50	R216586	1.50	<0.005
			265.50	267.00	R216587	1.50	<0.005
			267.00	268.50	R216588	1.50	<0.005
			268.50	270.00	R216589	1.50	0.005
			270.00	271.50	R216590	1.50	<0.005
			271.50	273.00	R216591	1.50	0.006
			273.00	274.50	R216592	1.50	<0.005
			274.50	276.00	R216593	1.50	<0.005
			276.00	277.50	R216594	1.50	<0.005
			277.50	279.00	R216595	1.50	<0.005
			279.00	280.50	R216596	1.50	0.005
			280.50	282.00	R216597	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			282.00	283.50	R216598	1.50	0.009
			283.50	285.00	R216599	1.50	<0.005
			285.00	286.50	R216602	1.50	<0.005
286.50	306.00	Vn;5%;Qak;In;60°;Py00.1;	286.50	288.00	R216603	1.50	0.027
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60° Pyrite 0.1%	288.00	289.50	R216604	1.50	0.005
		0.5-1 cm infilled quartz-ankerite with traces of pyrite	289.50	291.00	R216605	1.50	2.32
			291.00	292.50	R216606	1.50	0.054
			292.50	294.00	R216607	1.50	0.006
			294.00	295.50	R216608	1.50	0.014
			295.50	297.00	R216609	1.50	0.013
			297.00	298.50	R216610	1.50	0.019
			298.50	300.00	R216611	1.50	0.191
			300.00	301.50	R216612	1.50	0.135
300.15	396.00	V4; Por; Tuff; Lithic	301.50	303.00	R216613	1.50	0.092
		Trachyte 60°; Porphyritic; TUFF; LITHIC	303.00	304.50	R216614	1.50	0.097
		Pinkisk green to reddish trachytic flow, fine grained matrix with Quartz-felspaths phenos (1-4 mm)	304.50	306.00	R216615	1.50	0.053
		disseminated, localized perlitic texture, some intersection are tuffacious and weakly foliated with lithic					
		fragments, moderate to strong pervasive sericite-chlorite alteration. The unit is locally magnetic with strong					
		patchy potassic-sericite and chlorite alteration, moderate to strong pervasite ankerite. Intersect by small					
		quartz-ankerite-chlorite veins with chalcopyrite. Mineralization consist of spotty fine grained disseminated					
		pyrite 0.5-1%					
306.00	307.50	Cp00.5; Py00.2					
		Chalcopyrite 0.5%; Pyrite 0.2%					
		Chalcopyrite in veins // CA, traces of pyrite					
306.00	313.00	Vn;5%;Qak Sgq;In;40°;Cp00.5 Py00.1;	306.00	307.50	R216616	1.50	0.025
		vein (5 mm - 10 cm) 5% quartz-ankerite smoky grey quartz infilled fractures 40°					
		Chalcopyrite 0.5% Pyrite 0.1%					
		smoky grey quartz-ankerite v%eins 40 with 0.5% chalcopyrite in veins 5 DTCA, traces of pyrite					
307.50	318.00	Py00.5	307.50	309.00	R216617	1.50	0.06
		Pyrite 0.5%	309.00	310.50	R216618	1.50	0.023
		Fine grained pyrite disseminates	310.50	312.00	R216619	1.50	0.042
			312.00	313.50	R216620	1.50	0.05
			313.50	315.00	R216621	1.50	0.402
			315.00	316.50	R216622	1.50	0.054
			316.50	318.00	R216623	1.50	0.052
318.00	324.00	Py00.2	318.00	319.50	R216624	1.50	0.019
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces	319.50	321.00	R216627	1.50	0.068
			321.00	322.50	R216628	1.50	0.015
			322.50	324.00	R216629	1.50	0.012
324.00	337.50	Py00.5	324.00	325.50	R216630	1.50	0.043
		Pyrite 0.5%					
		fine grained pyrite disseminated					
324.00	334.00	Vn;5%;Qak Sgq;In;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite smoky grey quartz infilled fractures					
		infilled and flooding smoky grey quartz-ankerite veins 0.5-3 cm, 30-60 DTCA,					
325.50	331.50	Ank03; K02; Se02; Cl02; Si01	325.50	327.00	R216631	1.50	0.009
		Ankerite 3; Potassic 2; Sericite 2; Chlorite 2; Silica 1	327.00	328.50	R216632	1.50	0.024
		Strong pervasive ankerite, moderate pervasive sericite-chlorite, weak to moderate potassic alteration	328.50	330.00	R216633	1.50	0.12
			330.00	331.50	R216634	1.50	0.082
331.50	362.00	Ank03; K03; Cl02; Se02; Si01	331.50	333.00	R216635	1.50	0.105
		Ankerite 3; Potassic 3; Chlorite 2; Sericite 2; Silica 1	333.00	334.50	R216636	1.50	0.121
		Strong pervasive ankerite-potassic alteration, moderate spottu chlorite and sericite, patchy silicification	334.50	336.00	R216637	1.50	0.152
			336.00	337.50	R216638	1.50	0.085
337.50	351.00	Py00.2	337.50	339.00	R216639	1.50	0.058
		Pyrite 0.2%	339.00	340.50	R216640	1.50	0.118
		traces of pyrite	340.50	342.00	R216641	1.50	0.101
			342.00	343.50	R216642	1.50	0.084
			343.50	345.00	R216643	1.50	0.071
			345.00	346.50	R216644	1.50	0.113
			346.50	348.00	R216645	1.50	0.054
			348.00	349.50	R216646	1.50	0.075
			349.50	351.00	R216647	1.50	0.062
351.00	369.00	Py00.5	351.00	352.50	R216648	1.50	0.067
		Pyrite 0.5%	352.50	354.00	R216649	1.50	0.181
		Fine grained pyrite disseminated					
353.00	358.50	Vn;3%;Qak;In;;;	354.00	355.50	R216652	1.50	0.081
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures	355.50	357.00	R216653	1.50	0.071
		infilled quartz ankerite veins	357.00	358.50	R216654	1.50	0.219
			358.50	360.00	R216655	1.50	0.623
			360.00	361.50	R216656	1.50	0.026
			361.50	363.00	R216657	1.50	0.061

Description			Assay				
			From	To	Sample number	Length	AuBest
362.00	367.50	K02; Ank02; Cl02; Se02					
		Potassic 2; Ankerite 2; Chlorite 2; Sericite 2					
		Moderate Potassic -Ankerite alteration, intermittant Chlorite- Sericite alteration.					
362.00	367.50	Fln	363.00	364.50	R216658	1.50	0.068
		Foliation 60°	364.50	366.00	R216659	1.50	0.06
		moderate foliation in tuffacious unit	366.00	367.50	R216660	1.50	0.048
367.50	379.00	K03; Ank02; Se02; Cl02					
		Potassic 3; Ankerite 2; Sericite 2; Chlorite 2					
		Strong potassic alteration moderate spotty Ankerite-Sericite-Chlorite altration					
367.50	381.00	Fln	367.50	369.00	R216661	1.50	0.032
		Foliation 60°					
		intermittant foliation					
367.50	370.50	Vn;3%;Qak;In;50°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°					
		0.5- 2 cm quartz-ankerite veins					
369.00	370.50	Py00.5; Cp00.5	369.00	370.50	R216662	1.50	0.035
		Pyrite 0.5%; Chalcopyrite 0.5%					
		euhedral and fine graine dpyrite disseminated, chacopyrite in quartz ankerite veins					
370.50	381.00	Py00.5	370.50	372.00	R216663	1.50	0.041
		Pyrite 0.5%	372.00	373.50	R216664	1.50	0.056
		fine grained pyrite disseminated	373.50	375.00	R216665	1.50	0.023
			375.00	376.50	R216666	1.50	0.043
			376.50	378.00	R216667	1.50	0.096
			378.00	379.50	R216668	1.50	0.018
379.00	405.00	K03; Ank02	379.50	381.00	R216669	1.50	0.038
		Potassic 3; Ankerite 2					
		Strong potassic alteration, moderate to weak ankerite					
381.00	393.00	Py00.2	381.00	382.50	R216670	1.50	0.035
		Pyrite 0.2%	382.50	384.00	R216671	1.50	4.69
		traces of pyrite	384.00	385.50	R216672	1.50	0.075
			385.50	387.00	R216673	1.50	0.024
			387.00	388.50	R216674	1.50	0.054
			388.50	390.00	R216677	1.50	0.009
			390.00	391.50	R216678	1.50	0.186
			391.50	393.00	R216679	1.50	0.028
381.00	392.00	Vn;3%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		0.5-1 cm quartz-ankerite veins					
393.00	396.00	Py00.5	393.00	394.50	R216680	1.50	1.175
		Pyrite 0.5%	394.50	396.00	R216681	1.50	0.13
		fine grained pyrite					
396.00	455.87	V4; Per; Pep	396.00	397.50	R216682	1.50	0.473
		Trachyte; PERLITIC; PEPERITIC					
		Lightly pink to pinkish grey massive trachyte flow, aphanitc to fine grained, weakly silicified, moderate to intense magnetism, locallized peperitic texture underline by dark chlorite and magnetite stringers veinlets, Part of unit are moderately brecciated by cracks, alteration consist of strong pervasive ankerite, moderate potassic alteration spotty chlorite, traces of sericite, mineralized to fine grained disseminated pyrite 0.5-3%, chalcopyrite traces to 0.5% in veins and cracks. the contact with upper unit is gradationnal					
396.00	397.50	Py00.7					
		Pyrite 0.7%					
		fine grained pyrite disseminated or as stringers					
397.50	403.50	Py00.5	397.50	399.00	R216683	1.50	0.26
		Pyrite 0.5%	399.00	400.50	R216684	1.50	0.221
		fine grained pyrite disseminated	400.50	402.00	R216685	1.50	0.095
			402.00	403.50	R216686	1.50	0.245
403.50	405.00	Py01	403.50	405.00	R216687	1.50	0.926
		Pyrite 1%					
		Euhedral fine grained and stringers pyrite disseminated					
405.00	455.87	Ank03; K02; Cl02; He01	405.00	406.50	R216688	1.50	1.48
		Ankerite 3; Potassic 2; Chlorite 2; Hematite 1					
		Strong pervasive ankerite alteration, moderate Potassic- Chlorite chlorite alteration, spotty hematite					
405.00	406.50	Py02					
		Pyrite 2%					
		Euhedral fine grained and stringers pyrite disseminated					
406.50	408.00	Py01	406.50	408.00	R216689	1.50	0.19
		Pyrite 1%					
		Euhedral fine grained and stringers pyrite disseminated					
408.00	409.50	Py02	408.00	409.50	R216690	1.50	0.25
		Pyrite 2%					
		Euhedral fine grained and stringers pyrite disseminated					
409.50	418.50	Py00.5	409.50	411.00	R216691	1.50	0.104
		Pyrite 0.5%	411.00	412.50	R216692	1.50	0.097
		fine grained pyrite disseminated	412.50	414.00	R216693	1.50	0.141
			414.00	415.50	R216694	1.50	0.681
			415.50	417.00	R216695	1.50	0.185

Description			Assay				
			From	To	Sample number	Length	AuBest
416.00	420.10	Fln					
		Foliation 60°					
		intermittant weak foliation					
417.00	432.00	Vn;5%;Qak;In;60°;Py00.2;	417.00	418.50	R216696	1.50	0.025
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60° Pyrite 0.2%					
		quartz ankerite veins 0.5-1 cm with traces of pyrite					
418.50	421.50	Py01	418.50	420.00	R216697	1.50	0.202
		Pyrite 1%	420.00	421.50	R216698	1.50	0.599
		Euhedral fine grained and stringers pyrite disseminated					
421.50	423.00	Py00.5	421.50	423.00	R216699	1.50	0.203
		Pyrite 0.5%					
		Fine grained pyrite disseminated					
423.00	424.50	Py01	423.00	424.50	R216702	1.50	0.291
		Pyrite 1%					
		Euhedral fine grained and stringers pyrite disseminated					
424.50	426.00	Py00.5	424.50	426.00	R216703	1.50	0.081
		Pyrite 0.5%					
		fine grained disseminated					
426.00	427.50	Py00.7	426.00	427.50	R216704	1.50	0.118
		Pyrite 0.7%					
		fine grained pyrite disseminated					
427.50	433.50	Py01	427.50	429.00	R216705	1.50	0.411
		Pyrite 1%	429.00	430.50	R216706	1.50	0.325
		Euhedral fine grained and stringers pyrite disseminated	430.50	432.00	R216707	1.50	0.335
			432.00	433.50	R216708	1.50	0.236
433.50	435.00	Py03	433.50	435.00	R216709	1.50	1.12
		Pyrite 3%					
		Euhedral fine grained and stringers pyrite disseminated					
435.00	436.50	Py01	435.00	436.50	R216710	1.50	0.308
		Pyrite 1%					
		Euhedral fine grained and stringers pyrite disseminated					
435.50	450.00	Vn;5%;Qak;In;;Py00.5 Cp00.5 Hem00.2;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures Pyrite 0.5% Chalcopyrite					
		0.5% SPECULARITE 0.2%					
		infilled fractures quartz ankerite veins and veinlets 0.5-1 cm					
436.50	438.00	Py01	436.50	438.00	R216711	1.50	0.274
		Pyrite 1%					
		Euhedral fine grained, mottled and stringers pyrite disseminated					
438.00	439.50	Py01	438.00	439.50	R216712	1.50	0.28

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Euhedral fine grained, mottled and stringers pyrite disseminated					
439.50	441.00	Py00.5	439.50	441.00	R216713	1.50	0.286
		Pyrite 0.5%					
		fine grained pyrite disseminated					
441.00	442.50	Py01	441.00	442.50	R216714	1.50	0.193
		Pyrite 1%					
		Euhedral fine grained, mottled and stringers pyrite disseminated					
442.50	444.00	Py00.5; Hem00.2	442.50	444.00	R216715	1.50	0.092
		Pyrite 0.5%; SPECULARITE 0.2%					
		fine grained pyrite disseminated, traces pu specularite					
444.00	445.50	Py01	444.00	445.50	R216716	1.50	0.266
		Pyrite 1%					
		Euhedral fine grained, mottled and stringers pyrite disseminated					
445.50	447.00	Py01; Cp01; Hem00.2	445.50	447.00	R216717	1.50	0.389
		Pyrite 1%; Chalcopyrite 1%; SPECULARITE 0.2%					
		Motted and fine grained pyrite and chalcopyrite in veins or veinlets, traces of specularite					
447.00	448.50	Py01; Cp01	447.00	448.50	R216718	1.50	0.393
		Pyrite 1%; Chalcopyrite 1%					
		Euhedral, fine grained, mottled and stringers pyrite disseminated, chalcopyrite in stringers					
448.50	456.00	Py01	448.50	450.00	R216719	1.50	1.79
		Pyrite 1%	450.00	451.50	R216720	1.50	0.34
		fine grained and stringers pyrite disseminated	451.50	453.00	R216721	1.50	0.435
			453.00	454.50	R216722	1.50	0.31
			454.50	456.00	R216723	1.50	0.128
455.87	458.21	4U; BBC					
		Ultramafic 30°; Broken Blocky Core					
		Green Ultramafic intersect by quartz carbonated veins locallized flow banding at the end of the unit, moderatedly deformed with some fragments of pinkish trachyte flow. the unit is non magnetic, altered to strong pervasive ankerite, moderate chlorite, moderate silicification. contact with the upper trachyte unit 30 dg/Ca start with 1 m quartz- ankerite vein.					
455.87	458.21	Cl02; Si02; Talc01					
		Chlorite 2; Silica 2; Talc 1					
		moderate chlorite, weak talc, moderate spotty silicification					
455.87	457.00	Vm;98%;Qak;In;80°;;					
		major vein (10 cm or greater) 98% quartz-ankerite infilled fractures 80°					
		Whitish quartz ankerite vein 1 cm with fragments of ultramafic					
456.00	458.21	Py00.2	456.00	457.00	R216724	1.00	0.017
		Pyrite 0.2%	457.00	458.21	R216727	1.21	0.016

Description	Assay				
	From	To	Sample number	Length	AuBest
traces					
458.21 **End of DDH** **Number of samples: 280** **Number of QAQC samples: 26** **Total sampled length: 418.21**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_80

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	Gilles KAMTA	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	15/05/2014	Description date:	22/05/2014
		To:	26/05/2014		

Collar

Azimuth: 225.0°
Dip: -50.0°
Length: 873.25 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,300.023
North	0.0	0.000	5,331,545.871
Elevation	0.0	0.000	341.876

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	225.0°	-50.0°	No	
ReflexEZS	60.00	224.6°	-51.1°	No	Mag = 56026
ReflexEZS	120.00	225.1°	-52.3°	No	Mag = 55962
ReflexEZS	180.00	225.9°	-53.8°	No	Mag = 55650
ReflexEZS	240.00	226.9°	-54.5°	No	Mag = 55441
ReflexEZS	300.00	228.4°	-54.5°	No	Mag = 55333
ReflexEZS	360.00	230.0°	-54.7°	No	Mag = 55284
ReflexEZS	420.00	230.6°	-54.3°	No	Mag = 55223
ReflexEZS	480.00	233.0°	-53.3°	No	Mag = 54716
ReflexEZS	540.00	233.7°	-52.8°	No	Mag = 54647
ReflexEZS	600.00	234.5°	-52.0°	No	Mag = 54404
ReflexEZS	659.00	236.3°	-51.3°	No	Mag = 54520

Description

Re_Logging by Reza Hosseinnejad SEP.8_2014

Core size: NQ Cemented: Yes Stored: No

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
ReflexEZS	719.00	236.4°	-50.5°	No	Mag = 55119
ReflexEZS	780.00	220.4°	-50.1°	Yes	Mag = 53673
ReflexEZS	840.00	240.3°	-49.5°	No	Mag = 54363

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	41.00	OVB; Undie **Overburden; UNDEFINED** Undefined					
41.00	76.00	V4a; Mass **Trachyte Altered; Massive** Pinkish to reddish massive hard altered trachytic flow,localized lithic texture and flow bedding fractures and micro fractures, many specular stringers veinlets up to 5%, upper unit has moderate to strong pervasive albitlc and potassic alteration, bleaching with late pervasive moderate to strong ankerite alteration. Some joints are rusty (wheatering, iron oxide) The entire unit is weakly magnetic,non calcitic and moderatly ankeritic. Fine graine diiseminated pyrite reaches up to 3%.Quartz veining is trace. High fractured microfractured with chlorite fill, many specular stringers veinlets up to 5%, potassic alteration, ankerite alteration and weak-magnetic. high Au values in this hole from 41 to 75 with max 1.67ppm	41.00	42.00	R221010	1.00	0.438
41.00	73.00	Ank03; K02; He02; Se01 **Ankerite 3; Potassic 2; Hematite 2; Sericite 1** intense pervassive ankerite,moderate potassic and hematite, weak sericite alteration					
41.00	75.00	FracZn **Fracture Zone** High fractured microfractured with chlorite fill, many specular stringers veinlets up to 5%, potassic alteration, ankerite alteration and weak-magnetic. high Au values in this hole from 41 to 75 with max 1.67ppm					
41.00	42.00	Py01; Hem00.5 **Pyrite 1%; SPECULARITE 0.5%** Mineralization consists fine grained disseminated as well as specularete stringers					
41.00	51.00	Vn;5%;Qak;St;;; **vein (5 mm - 10 cm) 5% quartz-ankerite stringers** A series of quartz-ankerite veins and veinlet cross the rock @varable orientation. There is no mineralization associated with this structures.					
42.00	43.50	Hem05; Py03 **SPECULARITE 5%; Pyrite 3%** Mineralization consists fine grained disseminated as well as specularete stringers	42.00	43.50	R221011	1.50	1.215
43.50	45.50	Py02; Hem04 **Pyrite 2%; SPECULARITE 4%** Mineralization consists fine grained disseminated pyrite as well as specularete stringers	43.50 45.00	45.00 46.50	R221012 R221013	1.50 1.50	0.809 0.546
45.50	61.50	Hem02; Py01.5; Cp00.1 **SPECULARITE 2%; Pyrite 1.5%; Chalcopyrite 0.1%**	46.50	48.00	R221014	1.50	0.281

		Description	Assay				
			From	To	Sample number	Length	AuBest
		Mineralization consists fine grained disseminated pyrite, chalcopyrite splash as well as specularete stringers	48.00	49.50	R221015	1.50	0.802
			49.50	51.00	R221016	1.50	0.262
			51.00	52.50	R221017	1.50	1.035
			52.50	54.00	R221018	1.50	0.195
			54.00	55.50	R221019	1.50	0.47
			55.50	57.00	R221020	1.50	0.517
			57.00	58.50	R221021	1.50	0.543
			58.50	60.00	R221022	1.50	0.183
			60.00	61.50	R221023	1.50	0.57
61.50	72.00	Py00.75; Hem01 **Pyrite 0.75%; SPECULARITE 1%** Mineralization consists fine grained disseminated as well as specularete stringers	61.50	63.00	R221024	1.50	0.329
			63.00	64.50	R221027	1.50	0.273
			64.50	66.00	R221028	1.50	0.375
			66.00	67.50	R221029	1.50	0.397
			67.50	69.00	R221030	1.50	0.151
			69.00	70.50	R221031	1.50	0.134
			70.50	72.00	R221032	1.50	0.109
72.00	73.50	Py03; Hem01 **Pyrite 3%; SPECULARITE 1%** Mineralization consists fine grained disseminated pyrite as well as specularete stringers	72.00	73.50	R221033	1.50	0.361
73.00	99.00	Ank02; K02; Cl02; He01 **Ankerite 2; Potassic 2; Chlorite 2; Hematite 1** Pervasive moderate ankerite, selective, moderate potassic, green chlorite, weak sericite and hematite alteration.					
73.50	75.00	Hem00.5; Py01 **SPECULARITE 0.5%; Pyrite 1%** Mineralization consists fine grained disseminated as well as specularete stringers	73.50	75.00	R221034	1.50	1.665
75.00	76.50	Py00.5; Hem10 **Pyrite 0.5%; SPECULARITE 10%** More than 10 % specularite stringers as well as fine grained pyrite disseminated	75.00	76.50	R221035	1.50	0.827
76.00	100.20	V4a; Lithic **Trachyte Altered; LITHIC** With clear changes in texture the hole goes into reddish trachyte flow, present some reddish fragments peperitic texture, breaccied, localized glassy chilled margin strong ankerite alteration, stong potassic alteration					

Description			Assay				
			From	To	Sample number	Length	AuBest
		with localized specularite and chlorite stingers veinlets, From 97-97.20 contains few hydrothermal chloritic veins wide 1 and 3 cm. Mineralized with traces of pyrite. The unit is strongly magnetic, non calcitic.					
76.50	78.00	Hem02; Py00.5 **SPECULARITE 2%; Pyrite 0.5%** More than 10 % specularite stringers as well as fine grained pyrite disseminated	76.50	78.00	R221036	1.50	0.044
78.00	100.00	Py00.3; Hem02 **Pyrite 0.3%; SPECULARITE 2%** Few specularite stringers as well as fine grained pyrite disseminated range trace to max 0.5%	78.00	79.50	R221037	1.50	0.039
			79.50	81.00	R221038	1.50	0.034
			81.00	82.50	R221039	1.50	0.032
			82.50	84.00	R221040	1.50	0.061
			84.00	85.50	R221041	1.50	0.031
			85.50	87.00	R221042	1.50	0.017
			87.00	88.50	R221043	1.50	0.022
			88.50	90.00	R221044	1.50	0.034
			90.00	91.50	R221045	1.50	0.019
91.50	93.00	Vn;20%;Ak Cl;Vn;;; **vein (5 mm - 10 cm) 20% ankerite chlorite vein parallel to foliation** 20% ankerite chlorite with monor quartz vein cross-cutting foliation	91.50	93.00	R221046	1.50	0.168
93.00	102.00	Vn;15%;Qac;Vc;60°;; **vein (5 mm - 10 cm) 15% quartz-ankerite-chlorite vein cross-cutting foliation 60°** A series of massive chlorite-ankerite -quartz cross cut the unit @ 60 dtca.	93.00	94.50	R221047	1.50	0.026
			94.50	96.00	R221048	1.50	0.034
			96.00	97.50	R221049	1.50	0.071
			97.50	99.00	R221052	1.50	0.051
99.00	110.00	Ank03; K02; Cl03; Se02 **Ankerite 3; Potassic 2; Chlorite 3; Sericite 2** Pervasive intense ankerite , selective moderate potassic, intense green chlorite , weak sericite alteration.	99.00	100.50	R221053	1.50	0.025
100.00	109.50	Py00.5; Hem00.1 **Pyrite 0.5%; SPECULARITE 0.1%** A few specularite stringers as well as fine grained pyrite disseminated up 0.5%					
100.20	110.20	V4; Pyro **Trachyte; PYROCLASTIC** Change color and texture marks the beginning of this narrow unit. Green, pale green pinkish trachytic foliated with few pyroclasts, the pomice are locally cristal rich, strong sericite alteration, light green chlorite, the unit is strongly magnetic, some joints has weathering alteration (rusty) spotty potassic alteration, traces of pyrite	100.50	102.00	R221054	1.50	0.07
			102.00	103.50	R221055	1.50	0.063
			103.50	105.00	R221056	1.50	0.015
			105.00	106.50	R221057	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
		mineralization, contact with upper unit @40dtca.	106.50	108.00	R221058	1.50	<0.005
			108.00	109.50	R221059	1.50	<0.005
100.20	109.50	Bxh **Breccia healed** VOLCANOCLASTIC BRECCIA					
109.50	115.00	Hem00.3; Py00.2 **SPECULARITE 0.3%; Pyrite 0.2%** Trace fine grained pyrite disseminated and specularite stringers	109.50	111.00	R221060	1.50	0.047
110.00	115.00	He03; Cl03; Ank02 **Hematite 3; Chlorite 3; Ankerite 2** Pervasive dark green chlorite and hematite, moderate ankerite alteration					
110.20	115.50	V4a; Mass **Trachyte Altered 45°; Massive** Few parallel quartz veins wide 4-6mm shows the starting of this narrow high altered unit. Reddish-dark grey trachytic flow, massive, fine grained, flow bedding, the unit is stongly magnetic, hard, pervasive hematite alteration, dark green chlorite, localized biotite needles, intersect by small grey quartz veins, traces of pyrite has mineralization	111.00	112.50	R221061	1.50	<0.005
			112.50	114.00	R221062	1.50	<0.005
			114.00	115.50	R221063	1.50	<0.005
115.00	144.00	Ank02; K02; Cl02; Se02 **Ankerite 2; Potassic 2; Chlorite 2; Sericite 2** Pervasive moderate ankerite,green chlorite and sericite alteration as well as selective potassic.					
115.00	150.00	Py00.2 **Pyrite 0.2%** Trace pyrite disseminated					
115.50	404.00	V4; PyroTuff; Cry **Trachyte; PYROCLASTIC (TUFFACEOUS); CRYSTALRICH** Lightly green pinkish tint and spotty red trachytic tuff, the unit present varios fragments of different size 1-50 mm, ash flow, pumice with cristal or fine grained matrix with aphantic to fine grained trachytic flow with locallized flow bedding. some joints are rusty the magnetism is variable from strong to none. Mineralisation consist of fine grained or euhedral pyrite disseminated. Pervasive ankerite, intermittently strong to moderate sericite, chlorite, hematite and potassic alteration. 1 cm @346-373.5 the unit is cristal rich.	115.50	117.00	R221064	1.50	<0.005
			117.00	118.50	R221065	1.50	0.033
			118.50	120.00	R221066	1.50	0.022
			120.00	121.50	R221067	1.50	0.024
			121.50	123.00	R221068	1.50	0.035
			123.00	124.50	R221069	1.50	0.24
			124.50	126.00	R221070	1.50	<0.005
			126.00	127.50	R221071	1.50	0.008
			127.50	129.00	R221072	1.50	<0.005
			129.00	130.50	R221073	1.50	<0.005
			130.50	132.00	R221074	1.50	<0.005
			132.00	133.50	R221077	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			133.50	135.00	R221078	1.50	<0.005
			135.00	136.50	R221079	1.50	<0.005
			136.50	138.00	R221080	1.50	<0.005
			138.00	139.50	R221081	1.50	<0.005
			139.50	141.00	R221082	1.50	<0.005
141.00	151.00	Vt;3%;Qak;Ra;;Py00;	141.00	142.50	R221083	1.50	0.04
		veinlet (1-5 mm) 3% quartz-ankerite random Pyrite 0%	142.50	144.00	R221084	1.50	0.152
		A series of quartz-ankerite veinlet wide 1-5 mm cross the rock @varable orientation. There is no mineralization associated with this structures.					
144.00	149.00	Se01; Cl01; Ank02; K03	144.00	145.50	R221085	1.50	0.02
		Sericite 1; Chlorite 1; Ankerite 2; Potassic 3	145.50	147.00	R221086	1.50	0.021
		Pervasive moderate ankerite, weak green chlorite and sericite as well as intense potassic alteration .	147.00	148.50	R221087	1.50	0.062
			148.50	150.00	R221088	1.50	0.03
149.00	163.00	Ank02; Se02; Cl02; K02					
		Ankerite 2; Sericite 2; Chlorite 2; Potassic 2					
		pervasive moderate ,ankerite,sericite and green chlorite as well as moderate selective potassic alteration.					
150.00	162.00	Py00.2	150.00	151.50	R221089	1.50	0.045
		Pyrite 0.2%	151.50	153.00	R221090	1.50	0.015
		Fine grained disseminated pyrite.	153.00	154.50	R221091	1.50	0.036
			154.50	156.00	R221092	1.50	0.035
			156.00	157.50	R221093	1.50	0.099
			157.50	159.00	R221094	1.50	0.029
			159.00	160.50	R221095	1.50	0.071
159.50	161.60	Vm;65%;Qak;Vc;85°;Py00;	160.50	162.00	R221096	1.50	0.116
		major vein (10 cm or greater) 65% quartz-ankerite vein cross-cutting foliation 85°					
		Pyrite 0%					
		A few quartz-ankerite veins cross the rock @85 dtca. There is no mineralization associated with this structures.					
162.00	222.00	Py00.2	162.00	163.50	R221097	1.50	0.127
		Pyrite 0.2%					
		Fine grained disseminated pyrite.					
163.00	192.00	K03; Cl02; Se02; Ank02					
		Potassic 3; Chlorite 2; Sericite 2; Ankerite 2					
		pervasive moderate ankerite selective sericite and green chlorite as well as intense selective potassic alteration.					

Description			Assay				
			From	To	Sample number	Length	AuBest
163.20	169.30	Vn;10%;Qak;In;30°;Py00; **vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 30° Pyrite 0%** A few quartz-ankerite veins wide 1-5 cm cross the rock @average 30 dtca. There is no mineralization associated with this structures.	163.50	165.00	R221098	1.50	0.046
			165.00	166.50	R221099	1.50	0.024
			166.50	168.00	R221102	1.50	0.013
			168.00	169.50	R221103	1.50	0.019
			169.50	171.00	R221104	1.50	0.02
			171.00	172.50	R221105	1.50	0.014
			172.50	174.00	R221106	1.50	0.007
			174.00	175.50	R221107	1.50	<0.005
			175.50	177.00	R221108	1.50	0.015
			177.00	178.50	R221109	1.50	<0.005
			178.50	180.00	R221110	1.50	<0.005
			180.00	181.50	R221111	1.50	<0.005
			181.50	183.00	R221112	1.50	0.006
			183.00	184.50	R221113	1.50	0.018
			184.50	186.00	R221114	1.50	<0.005
			186.00	187.50	R221115	1.50	<0.005
			187.50	189.00	R221116	1.50	<0.005
			189.00	190.50	R221117	1.50	0.005
			190.50	192.00	R221118	1.50	<0.005
192.00	207.00	Ank02; K02; Cl02 **Ankerite 2; Potassic 2; Chlorite 2** Pervasive moderate potassic,ankerite and green chlorite alteration.	192.00	193.50	R221119	1.50	<0.005
			193.50	195.00	R221120	1.50	0.006
			195.00	196.50	R221121	1.50	<0.005
			196.50	198.00	R221122	1.50	<0.005
			198.00	199.50	R221123	1.50	0.031
			199.50	201.00	R221124	1.50	0.009
			201.00	202.50	R221127	1.50	0.04
			202.50	204.00	R221128	1.50	0.03
			204.00	205.50	R221129	1.50	0.012
			205.50	207.00	R221130	1.50	0.008
207.00	218.00	Cl02; Se02; K02; Ank02 **Chlorite 2; Sericite 2; Potassic 2; Ankerite 2** Pervasive moderate,ankerite and sericite, weak selective green chlorite, moderate selective potassic alteration.	207.00	208.50	R221131	1.50	0.014
207.70	208.50	Vm;90%;Qak;Vc;45°;Py00; **major vein (10 cm or greater) 90% quartz-ankerite vein cross-cutting foliation 45°**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0%					
		A massive quartz-ankerite vein including 2cm mafic intrusion cross the rock @45 dtca. There is no mineralization associated with this structures.					
208.50	228.00	Vt;2%;Qak;St;;Py00;	208.50	210.00	R221132	1.50	0.026
		veinlet (1-5 mm) 2% quartz-ankerite stringers	210.00	211.50	R221133	1.50	0.016
		A series of quartz with minor ankerite and hematite wide 1-5 mm cross the rock @ average 45 dtca. There is no mineralization associated with this structures.	211.50	213.00	R221134	1.50	0.018
212.20	212.25	Gg	213.00	214.50	R221135	1.50	0.03
		Fault gouge 40°	214.50	216.00	R221136	1.50	0.02
		Narrow slickenside gouge fault cross @ 40 dtca.	216.00	217.50	R221137	1.50	0.014
216.90	216.94	MI	217.50	219.00	R221138	1.50	0.017
		Mafic Intrusion 75°					
		A massive grey color mafic intrusion including biotite cross cut the unit @75 dtca.					
218.00	228.00	Ank02; K02; Cl01	219.00	220.50	R221139	1.50	0.007
		Ankerite 2; Potassic 2; Chlorite 1	220.50	222.00	R221140	1.50	0.006
		Pervasive moderate ankerite, selective potasic and green chlorite alteration.					
222.00	223.50	Py00.5	222.00	223.50	R221141	1.50	0.018
		Pyrite 0.5%					
		Fine grained disseminated pyrite.					
223.50	225.00	Py00.4	223.50	225.00	R221142	1.50	0.016
		Pyrite 0.4%					
		In this interval fine grained pyrite disseminated changes from 0.2 to 0.5 intermittently.					
225.00	408.00	Py00.3	225.00	226.50	R221143	1.50	0.01
		Pyrite 0.3%					
		In this interval fine grained pyrite disseminated changes from 0.2 to 0.5 intermittently.					
225.60	225.70	MI	226.50	228.00	R221144	1.50	0.01
		Mafic Intrusion					
		A massive grey mafic intrusion including biotitecross cut the unit @75 dtca.					
228.00	312.00	Cl02; Se02; Ank02					
		Chlorite 2; Sericite 2; Ankerite 2					
		Pervasive moderate sericite,green chlorite and ankerite alteration.					
228.00	345.00	Vt;3%;Qak;St;;Py00;	228.00	229.50	R221145	1.50	0.007
		veinlet (1-5 mm) 3% quartz-ankerite stringers Pyrite 0%	229.50	231.00	R221146	1.50	0.008
		A series of quartz with minor ankerite and hematite wide 1-5 mm cross the rock @ variable orientation. There is no mineralization associated with this structures.	231.00	232.50	R221147	1.50	0.012
			232.50	234.00	R221148	1.50	0.006
			234.00	235.50	R221149	1.50	0.013

Description	Assay				
	From	To	Sample number	Length	AuBest
	235.50	237.00	R221152	1.50	0.007
	237.00	238.50	R221153	1.50	0.009
	238.50	240.00	R221154	1.50	0.016
	240.00	241.50	R221155	1.50	0.012
	241.50	243.00	R221156	1.50	0.028
	243.00	244.50	R221157	1.50	0.005
	244.50	246.00	R221158	1.50	0.01
	246.00	247.50	R221159	1.50	0.017
	247.50	249.00	R221160	1.50	0.033
	249.00	250.50	R221161	1.50	0.019
	250.50	252.00	R221162	1.50	0.025
	252.00	253.50	R221163	1.50	0.022
	253.50	255.00	R221164	1.50	0.035
	255.00	256.50	R221165	1.50	0.045
	256.50	258.00	R221166	1.50	<0.005
	258.00	259.50	R221167	1.50	0.013
	259.50	261.00	R221168	1.50	0.01
	261.00	262.50	R221169	1.50	0.008
	262.50	264.00	R221170	1.50	0.026
	264.00	265.50	R221171	1.50	0.034
	265.50	267.00	R221172	1.50	0.077
	267.00	268.50	R221173	1.50	0.013
	268.50	270.00	R221174	1.50	0.008
	270.00	271.50	R221177	1.50	0.008
	271.50	273.00	R221178	1.50	0.01
	273.00	274.50	R221179	1.50	0.008
	274.50	276.00	R221180	1.50	0.009
	276.00	277.50	R221181	1.50	0.009
	277.50	279.00	R221182	1.50	0.009
	279.00	280.50	R221183	1.50	0.005
	280.50	282.00	R221184	1.50	0.014
	282.00	283.50	R221185	1.50	0.014
	283.50	285.00	R221186	1.50	0.012
	285.00	286.50	R221187	1.50	0.028

Description			Assay				
			From	To	Sample number	Length	AuBest
			286.50	288.00	R221188	1.50	0.013
			288.00	289.50	R221189	1.50	0.009
			289.50	291.00	R221190	1.50	0.007
			291.00	292.50	R221191	1.50	0.03
			292.50	294.00	R221192	1.50	0.009
			294.00	295.50	R221193	1.50	0.007
			295.50	297.00	R221194	1.50	0.011
			297.00	298.50	R221195	1.50	0.009
			298.50	300.00	R221196	1.50	0.012
			300.00	301.50	R221197	1.50	0.005
			301.50	303.00	R221198	1.50	0.008
			303.00	304.50	R221199	1.50	<0.005
			304.50	306.00	R221202	1.50	0.01
			306.00	307.50	R221203	1.50	0.014
			307.50	309.00	R221204	1.50	0.007
			309.00	310.50	R221205	1.50	0.007
			310.50	312.00	R221206	1.50	0.02
312.00	354.00	Ank02; Se02; Cl02; K02	312.00	313.50	R221207	1.50	0.01
		Ankerite 2; Sericite 2; Chlorite 2; Potassic 2	313.50	315.00	R221208	1.50	0.022
		Pervasive moderate sericite,green chlorite and ankerite alteration and moderate to intense selective potassic alteration	315.00	316.50	R221209	1.50	0.007
			316.50	318.00	R221210	1.50	0.013
			318.00	319.50	R221211	1.50	0.01
			319.50	321.00	R221212	1.50	0.031
			321.00	322.50	R221213	1.50	0.01
			322.50	324.00	R221214	1.50	0.01
			324.00	325.50	R221215	1.50	<0.005
			325.50	327.00	R221216	1.50	0.006
			327.00	328.50	R221217	1.50	0.02
			328.50	330.00	R221218	1.50	0.007
			330.00	331.50	R221219	1.50	0.042
			331.50	333.00	R221220	1.50	0.03
			333.00	334.50	R221221	1.50	0.056
			334.50	336.00	R221222	1.50	0.055
			336.00	337.50	R221223	1.50	0.124

Description			Assay				
			From	To	Sample number	Length	AuBest
			337.50	339.00	R221224	1.50	0.021
			339.00	340.50	R221227	1.50	0.024
			340.50	342.00	R221228	1.50	<0.005
			342.00	343.50	R221229	1.50	0.009
			343.50	345.00	R221230	1.50	0.016
			345.00	346.50	R221231	1.50	<0.005
			346.50	348.00	R221232	1.50	<0.005
			348.00	349.50	R221233	1.50	<0.005
			349.50	351.00	R221234	1.50	<0.005
			351.00	352.50	R221235	1.50	<0.005
			352.50	354.00	R221236	1.50	<0.005
354.00	357.00	K03; Ank02; Se01; Cl01 **Potassic 3; Ankerite 2; Sericite 1; Chlorite 1** perasive moderate ankerite and potassic alteration as well as weak selective chlorite and sericte alteration					
354.00	357.00	Vt;5%;Qak;Vc;40°;Py00.1; **veinlet (1-5 mm) 5% quartz-ankerite vein cross-cutting foliation 40° Pyrite 0.1%** A series of parallel quartz with minor ankerite wide 1-5 mm cross the rock @ 40 dtca. There is weak pyriite and specularite mineralization associated with this structures.	354.00	355.50	R221237	1.50	0.005
			355.50	357.00	R221238	1.50	<0.005
357.00	395.00	Ank02; Se03; Cl03; K02 **Ankerite 2; Sericite 3; Chlorite 3; Potassic 2** Moderate selective potassic, intense pervasive sericite and green chlorite and moderate pervasive ankerite alteration.	357.00	358.50	R221239	1.50	<0.005
			358.50	360.00	R221240	1.50	0.005
			360.00	361.50	R221241	1.50	<0.005
			361.50	363.00	R221242	1.50	0.006
			363.00	364.50	R221243	1.50	<0.005
			364.50	366.00	R221244	1.50	<0.005
			366.00	367.50	R221245	1.50	<0.005
			367.50	369.00	R221246	1.50	0.005
			369.00	370.50	R221247	1.50	0.009
			370.50	372.00	R221248	1.50	0.008
			372.00	373.50	R221249	1.50	0.014
			373.50	375.00	R221252	1.50	<0.005
			375.00	376.50	R221253	1.50	0.034
			376.50	378.00	R221254	1.50	0.01
			378.00	379.50	R221255	1.50	0.012
			379.50	381.00	R221256	1.50	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
380.00	400.50	Vt;3%;Qak;Ra;;;	381.00	382.50	R221257	1.50	0.015
		veinlet (1-5 mm) 3% quartz-ankerite random	382.50	384.00	R221258	1.50	0.015
		A series of quartz with minor ankerite and hematite wide 1-5 mm cross the rock @ variable orientation.	384.00	385.50	R221259	1.50	0.035
		Some veinets show deformation and folding. There is no mineralization associated with this structures.	385.50	387.00	R221260	1.50	0.016
			387.00	388.50	R221261	1.50	0.018
			388.50	390.00	R221262	1.50	0.01
			390.00	391.50	R221263	1.50	0.01
			391.50	393.00	R221264	1.50	0.106
			393.00	394.50	R221265	1.50	0.007
			394.50	396.00	R221266	1.50	0.009
395.00	407.00	Ank02; Se02; Cl02; Ank02	396.00	397.50	R221267	1.50	0.031
		Ankerite 2; Sericite 2; Chlorite 2; Ankerite 2	397.50	399.00	R221268	1.50	0.005
		Moderate pervasive potassic, modearte pervasive sericite and green chlorite and moderate pervasive	399.00	400.50	R221269	1.50	0.005
		ankerite alteration.	400.50	402.00	R221270	1.50	0.006
			402.00	403.50	R221271	1.50	0.008
			403.50	405.00	R221272	1.50	<0.005
404.00	447.50	V4; Por	405.00	406.50	R221273	1.50	0.01
		Trachyte; Porphyritic	406.50	408.00	R221274	1.50	0.012
		Gradationally the hole goes in to strongly potassic altered porphyritic trachyte. Red to pinkish due to intense of					
		alteration, Unit contains 15-20% rounded sub rounded feldspatic phenoes in aphanitic or the fine grained					
		ground mass. Some small late ankerite veinlets are observe, moderate to week intermittent magnetism,					
		specularite veinlets cross cut the unit @ average 45 dtca up to 1%, mineralization consist of fine grained as					
		well as euhedral disseminated pyrite and specularite stringers.					
407.00	429.00	K03; Ank01					
		Potassic 3; Ankerite 1					
		Intense pervasive potassic, weak selective ankerite Alteration					
408.00	517.00	Py00.3	408.00	409.50	R221277	1.50	0.036
		Pyrite 0.3%	409.50	411.00	R221278	1.50	0.029
		In this interval fine grained pyrite disseminated changes from 0.1 to 0.5% intermittently.	411.00	412.50	R221279	1.50	0.006
			412.50	414.00	R221280	1.50	0.008
			414.00	415.50	R221281	1.50	<0.005
415.00	426.00	Vt;4%;Qak;Vc;60°;Py00;	415.50	417.00	R221282	1.50	0.007
		veinlet (1-5 mm) 4% quartz-ankerite vein cross-cutting foliation 60° Pyrite 0%	417.00	418.50	R221283	1.50	0.019
		Few quartz with- ankerite wide 1-8 mm cross the rock @ average 60 dtca. There is no mineralization	418.50	420.00	R221284	1.50	0.016
		associated with this structures.	420.00	421.50	R221285	1.50	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
			421.50	423.00	R221286	1.50	0.04
			423.00	424.50	R221287	1.50	<0.005
			424.50	426.00	R221288	1.50	0.005
			426.00	427.50	R221289	1.50	0.005
			427.50	429.00	R221290	1.50	0.012
429.00	433.00	Ank01; Se02; Cl02; K01	429.00	430.50	R221291	1.50	0.02
		Ankerite 1; Sericite 2; Chlorite 2; Potassic 1	430.50	432.00	R221292	1.50	0.007
		Moderate pervasive sericite and chlorite as well as selective potassic and ankerite alteration.	432.00	433.50	R221293	1.50	0.005
433.00	447.50	K03; Se01; Ank01	433.50	435.00	R221294	1.50	0.006
		Potassic 3; Sericite 1; Ankerite 1	435.00	436.50	R221295	1.50	0.017
		Moderate to Intense pervasive potassic, weak selective ankerite and sericite alteration	436.50	438.00	R221296	1.50	0.007
			438.00	439.50	R221297	1.50	<0.005
			439.50	441.00	R221298	1.50	0.005
			441.00	442.50	R221299	1.50	0.007
			442.50	444.00	R221302	1.50	0.01
			444.00	445.50	R221303	1.50	0.01
			445.50	447.00	R221304	1.50	0.013
			447.00	448.50	R221305	1.50	0.007
447.50	601.45	V4; PyroTuff	448.50	450.00	R221306	1.50	<0.005
		Trachyte 35°; PYROCLASTIC (TUFFACEOUS)	450.00	451.50	R221307	1.50	0.01
		Sharp changes in color and texture marks that the hole goes back again into pyroclastic trachyte flow. The	451.50	453.00	R221308	1.50	0.005
		first 3 meter has litic texture and then gradationally goes to tuffaceous pyroclastic trachyte. Greenish/pinkish	453.00	454.50	R221309	1.50	0.012
		trachyte flow, presence of clasts of various size 2-50mm, some clasts are Cristal rich, the unit altered	454.50	456.00	R221310	1.50	0.008
		sericite-chlorite and potassic alteration, weak foliation and flow bedding can be observe with quartz-ankerite	456.00	457.50	R221311	1.50	0.013
		and specularite veinlets. The unit altering magnetic and non magnetic level, mineralization consists of fine or	457.50	459.00	R221312	1.50	0.013
		euhedral pyrite up to 1% locally.	459.00	460.50	R221313	1.50	0.015
		From 537.5-538 a chloritic hydrothermal braccia and a quartz vein cross the unit @ 30 dtca. no mineralization	460.50	462.00	R221314	1.50	0.006
		associated.	462.00	463.50	R221315	1.50	0.012
		From 567-581 textural change flow bedding with less clasts, strong potassic, chlorite and sericite alteration	463.50	465.00	R221316	1.50	0.007
		overprinting.	465.00	466.50	R221317	1.50	0.018
			466.50	468.00	R221318	1.50	0.008
			468.00	469.50	R221319	1.50	0.006
			469.50	471.00	R221320	1.50	0.024
			471.00	472.50	R221321	1.50	0.019

Description			Assay				
			From	To	Sample number	Length	AuBest
			472.50	474.00	R221322	1.50	0.015
			474.00	475.50	R221323	1.50	0.008
			475.50	477.00	R221324	1.50	0.013
			477.00	478.50	R221327	1.50	0.041
			478.50	480.00	R221328	1.50	0.026
447.50	480.00	Ank02; Se02; Cl02					
		Ankerite 2; Sericite 2; Chlorite 2					
		Moderate pervasive,ankerite,sericite and chlorite alteration.					
480.00	482.30	K03; Ank01; Cl01	480.00	481.50	R221329	1.50	0.185
		Potassic 3; Ankerite 1; Chlorite 1	481.50	483.00	R221330	1.50	0.039
		Intense pervasive potasic and weak chlorite and ankerite alteration.					
482.30	519.00	Cl02; Ank02; Se02; K01	483.00	484.50	R221331	1.50	0.025
		Chlorite 2; Ankerite 2; Sericite 2; Potassic 1	484.50	486.00	R221332	1.50	0.074
		Moderate pervasive,ankerite,sericite and chlorite and weak to moderate selective alteration.	486.00	487.50	R221333	1.50	0.084
			487.50	489.00	R221334	1.50	0.025
			489.00	490.50	R221335	1.50	0.055
			490.50	492.00	R221336	1.50	0.048
			492.00	493.50	R221337	1.50	0.036
			493.50	495.00	R221338	1.50	0.051
494.50	505.00	Vt;5%;Qak;Vc;50°;Hem01;	495.00	496.50	R221339	1.50	0.034
		veinlet (1-5 mm) 5% quartz-ankerite vein cross-cutting foliation 50° SPECULARITE 1%	496.50	498.00	R221340	1.50	0.019
		A series of quartz ankerite veinlets and specularte stringers cross the rock in this interval.	498.00	499.50	R221341	1.50	0.018
			499.50	501.00	R221342	1.50	0.036
			501.00	502.50	R221343	1.50	0.022
			502.50	504.00	R221344	1.50	0.056
			504.00	505.50	R221345	1.50	0.019
			505.50	507.00	R221346	1.50	0.008
			507.00	508.50	R221347	1.50	0.014
			508.50	510.00	R221348	1.50	0.02
			510.00	511.50	R221349	1.50	0.019
			511.50	513.00	R221352	1.50	0.011
			513.00	514.50	R221353	1.50	0.031
			514.50	516.00	R221354	1.50	0.13
			516.00	517.50	R221355	1.50	0.022
517.00	519.00	Py01	517.50	519.00	R221356	1.50	0.278

		Description	Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		In this interval fine grained pyrite disseminated up 1%.					
519.00	565.70	K02; Ank02; Cl01; Se01	519.00	520.50	R221357	1.50	0.104
		Potassic 2; Ankerite 2; Chlorite 1; Sericite 1	520.50	522.00	R221358	1.50	0.016
		Moderate pervasive,ankerite, potassic weakl selective sericite and chlorite alteration.	522.00	523.50	R221359	1.50	0.021
			523.50	525.00	R221360	1.50	0.085
			525.00	526.50	R221361	1.50	0.054
			526.50	528.00	R221362	1.50	0.037
			528.00	529.50	R221363	1.50	0.024
			529.50	531.00	R221364	1.50	0.013
			531.00	532.50	R221365	1.50	0.054
519.00	535.50	Py00.5					
		Pyrite 0.5%					
		In this interval mineralized by fine grained pyrite disseminated up to 0.5%.					
532.50	533.20	Vt;5%;Qcc;Vn;60°;Py00;	532.50	534.00	R221366	1.50	0.021
		veinlet (1-5 mm) 5% quartz-calcite-chlorite vein parallel to foliation 60° Pyrite 0%	534.00	535.50	R221367	1.50	0.015
		A few chorite-quartz-ankerite veinlets cross the rock @ average 60dtca.There is no mineralization associated with this veinlets.					
535.50	645.00	Py00.4	535.50	537.00	R221368	1.50	0.033
		Pyrite 0.4%	537.00	538.50	R221369	1.50	0.025
		In this interval mineralized by fine grained pyrite disseminated from trace to 0.5%.					
537.50	538.00	Bxh	538.50	540.00	R221370	1.50	0.14
		Breccia healed 30°					
		In this interval a hydrothermal braccia and a quartz vein cross the unit @ 30 dtca. no mineralization associated.					
538.80	539.00	Vn;75%;Qtz Ak;In;60°;;	540.00	541.50	R221371	1.50	0.054
		vein (5 mm - 10 cm) 75% white quartz ankerite infilled fractures 60°	541.50	543.00	R221372	1.50	0.051
		After 30 cm bracciated interval a massive grey quartz with minor ankerite cross the rock @60 dtca. there is no mineralization associated with this vein.	543.00	544.50	R221373	1.50	0.014
			544.50	546.00	R221374	1.50	0.372
			546.00	547.50	R221377	1.50	0.096
			547.50	549.00	R221378	1.50	0.03
			549.00	550.50	R221379	1.50	0.05

Description			Assay				
			From	To	Sample number	Length	AuBest
			550.50	552.00	R221380	1.50	0.018
			552.00	553.50	R221381	1.50	0.011
			553.50	555.00	R221382	1.50	0.008
			555.00	556.50	R221383	1.50	0.017
			556.50	558.00	R221384	1.50	0.018
			558.00	559.50	R221385	1.50	0.049
			559.50	561.00	R221386	1.50	0.02
			561.00	562.50	R221387	1.50	0.036
			562.50	564.00	R221388	1.50	0.019
			564.00	565.50	R221389	1.50	0.016
			565.50	567.00	R221390	1.50	0.013
565.70	580.70	Ank02; Se02; Cl02	567.00	568.50	R221391	1.50	0.015
		Ankerite 2; Sericite 2; Chlorite 2	568.50	570.00	R221392	1.50	0.012
		Moderate pervasive,ankerite,sericite, chlorite and weak potassic alteration.	570.00	571.50	R221393	1.50	0.011
			571.50	573.00	R221394	1.50	0.007
			573.00	574.50	R221395	1.50	0.024
			574.50	576.00	R221396	1.50	0.042
			576.00	577.50	R221397	1.50	0.008
			577.50	579.00	R221398	1.50	0.008
			579.00	580.50	R221399	1.50	0.017
			580.50	582.00	R221402	1.50	0.012
580.70	601.50	K02; Ank02; Se01	582.00	583.50	R221403	1.50	0.016
		Potassic 2; Ankerite 2; Sericite 1	583.50	585.00	R221404	1.50	0.013
		Weak to moderate pervasive potassic,ankerite, weak selective sericite alteration.	585.00	586.50	R221405	1.50	0.01
			586.50	588.00	R221406	1.50	0.075
			588.00	589.50	R221407	1.50	0.076
			589.50	591.00	R221408	1.50	0.147
			591.00	592.50	R221409	1.50	0.024
			592.50	594.00	R221410	1.50	0.015
			594.00	595.50	R221411	1.50	0.019
			595.50	597.00	R221412	1.50	0.073
			597.00	598.50	R221413	1.50	0.053
			598.50	600.00	R221414	1.50	0.019
			600.00	601.50	R221415	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
601.45	622.00	V4a; Por **Trachyte Altered; Porphyritic** After 50 cm transition zone the hole goes into very strong potassic alteration trachyte with fine grained ground mass, red brick color and porphyritic texture. Feldspar phenoes 5-10% eheadrul sub headrul in aphanitic or fine grained matrix, the unit has strong potassic alteration and the contact is not very sharp probable due to the potassic alteration, some small late ankerite veinlets are observe, specularite veinlets up 0.4%, mineralization consist of fine grained or euhedral disseminated pyrite range trace to 0.4%. None to very weak ankeritic, none calcitic and moderate to weak intermittent magnetism,					
601.50	622.00	K03; He02 **Potassic 3; Hematite 2** Intense pervasive potassic and moderate hematite.					
601.50	622.00	Vn;5%;Qak;Vc;80°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite vein cross-cutting foliation 80° Pyrite 0.1%** A series of parallel quartz-ankerite veins wide 2-10mm cross the rock @ average 80dtca.There is a few euhedral pyrite and specularite spots inside these veins.	601.50	603.00	R221416	1.50	0.074
			603.00	604.50	R221417	1.50	0.03
			604.50	606.00	R221418	1.50	0.02
			606.00	607.50	R221419	1.50	0.023
			607.50	609.00	R221420	1.50	0.021
			609.00	610.50	R221421	1.50	0.006
			610.50	612.00	R221422	1.50	0.01
			612.00	613.50	R221423	1.50	0.009
			613.50	615.00	R221424	1.50	0.024
			615.00	616.50	R221427	1.50	0.051
			616.50	618.00	R221428	1.50	0.006
			618.00	619.50	R221429	1.50	0.015
			619.50	621.00	R221430	1.50	0.008
620.50	621.00	BBC **Broken Blocky Core** brocken rock due to drilling condition. RQD 0%	621.00	622.50	R221431	1.50	0.064
622.00	873.25	V4a; Mass **Trachyte Altered; Massive** Sharp change in the color and texture marks the beginning of this trachyte flow. Maroonish green with pinkish tint trachyte altered flow fine to moderate grained aphanitic texture, weakly deformed, very hard and cannot be scratched by knife, strongly locallyized fractured micro fractured and brecciated appearance, some quartz-ankerite/ankerite veins and veinlets, alteration consists ankerite, chlorite, sericite and potassic, some intense intermittently silicification, Chalcopyrite stringers and splashes locally up to 0.3%, specularite hematite stringers locally up 5%, pyrite 0.5-4% fine grained disseminated and stringers and euhedral pyrite. From @ 652.90-724 m the unit is more massive and micro fractures, some fractures fill by massive pyrite and chalcopyrite (massive) up to 3%, strong potassic alteration, specularite veinlets, none to strong magnetism.	622.50	624.00	R221432	1.50	0.043
			624.00	625.50	R221433	1.50	0.027
			625.50	627.00	R221434	1.50	<0.005

		Description	Assay				
			From	To	Sample number	Length	AuBest
		627-631 strongly pervades by a network and stock work of ankerite hairline and veinlets. The gold grad is about 0.45 ppm. 693.80-695.80 in this interval with sharp upper and gradational lower contact there is a narrow mafic trachyte ,very hard contain 30% mafic minerals(amphibole) in fine grained pinkish-greyish ground mass. Alteration consist silicification, albite, potassic and weak ankerite, Non magnetic. From 745-747.20 a series of grey quartz cross the rock almost parallel to core axes. The rock shows intense pervasive potassic alteration and selective silicification, fine grained and veinlets of pyriteas well as specularite stringers present. It is very hard, non magnetic and weakly ankretic. The gold grad is 1.83 ppm From 789.30-691 a few chalcopyrite veins and veinlets fill fractures @ 30 dtca. The first vein wide 3cm contains crashed rock. From 843-873.25 some breccias with chalcopyrite veinlets present.					
622.00	652.50	Ank02; Se02; Cl02; K01; Alb01 **Ankerite 2; Sericite 2; Chlorite 2; Potassic 1; Albite 1** Pervasive moderate ankerite, sericite, chlorite and weak selective potassic and albite alteration					
627.00	631.00	Vt;10%;Qak;St;;Py00.3; **veinlet (1-5 mm) 10% quartz-ankerite stringers Pyrite 0.3%** A series of quartz-ankerite-hematite veins, veinlets, stringers wide 1-10mm cross the rock @ variable orientation(0-90 dtca).There is a few euhedral pyrite inside these structures.	627.00	628.50	R221435	1.50	0.025
			628.50	630.00	R221436	1.50	0.238
			630.00	631.50	R221437	1.50	0.436
			631.50	633.00	R221438	1.50	0.495
			633.00	634.50	R221439	1.50	0.027
			634.50	636.00	R221440	1.50	0.024
			636.00	637.50	R221441	1.50	0.01
			637.50	639.00	R221442	1.50	0.014
			639.00	640.50	R221443	1.50	<0.005
			640.50	642.00	R221444	1.50	<0.005
			642.00	643.50	R221445	1.50	0.013
			643.50	645.00	R221446	1.50	0.023
645.00	651.00	Py00.5 **Pyrite 0.5%** In this interval mineralized by fine grained pyrite disseminated from trace to 0.5%.	645.00	646.50	R221447	1.50	0.112
			646.50	648.00	R221448	1.50	0.182
			648.00	649.50	R221449	1.50	0.017
			649.50	651.00	R221452	1.50	0.034
651.00	652.50	Py01 **Pyrite 1%**	651.00	652.50	R221453	1.50	0.057

Description			Assay				
			From	To	Sample number	Length	AuBest
		In this interval mineralized by fine grained pyrite disseminated from trace to 1%.					
652.50	655.50	K02; Ank01					
		Potassic 2; Ankerite 1					
		Intense to moderate pervasive potassic and weak ankerite alteration.					
652.50	669.00	Py00.2	652.50	654.00	R221454	1.50	0.077
		Pyrite 0.2%	654.00	655.50	R221455	1.50	0.091
		Trace pyrite disseminated					
655.50	677.00	Ank03; K03; Si02	655.50	657.00	R221456	1.50	0.052
		Ankerite 3; Potassic 3; Silica 2	657.00	658.50	R221457	1.50	0.086
		Selective intense potassic, silica and(pervasive 2 and selective3) ankerite alteration	658.50	660.00	R221458	1.50	0.005
658.60	658.70	Gg					
		Fault gouge					
		A gouge fault wide 10 cm cross the unit on the undefined orientation.					
658.70	661.00	BBC					
		Broken Blocky Core					
		After the gouge fault wide 10 cm the core strongly crashed, probably due to drilling condition and brittle rock.RQD is 5%					
658.70	670.00	Vm;60%;Ak;Fl;;;	660.00	661.50	R221459	1.50	0.015
		major vein (10 cm or greater) 60% ankerite flooding	661.50	663.00	R221460	1.50	0.006
		Just following gouge fault there are some massive whitish hydrothermal ankerite-quartz veins with flooding structure that intersect by few porphyritic trachyte and contains 10-15% crashed rock.	663.00	664.50	R221461	1.50	0.034
			664.50	666.00	R221462	1.50	0.017
			666.00	667.50	R221463	1.50	0.022
			667.50	669.00	R221464	1.50	0.06
669.00	678.50	Hem08; Py00.5	669.00	670.50	R221465	1.50	0.063
		SPECULARITE 8%; Pyrite 0.5%					
		0.5% fine grained disseminate pyrite as well as 8% stringers of specularite					
670.00	745.00	Vt;3%;Qak;Vc;70°;Cp00.2 Py00.1;	670.50	672.00	R221466	1.50	0.109
		veinlet (1-5 mm) 3% quartz-ankerite vein cross-cutting foliation 70° Chalcopyrite 0.2%	672.00	673.50	R221467	1.50	0.076
		Pyrite 0.1%	673.50	675.00	R221468	1.50	0.044
		A series of quartz -ankerite veinlets wide 1-8mm cross cut the rock at average 70 dtca. Some of them contains a few splash of chalcopyrite and euhedral pyrite.	675.00	676.50	R221469	1.50	0.048
			676.50	678.00	R221470	1.50	0.094

Description			Assay				
			From	To	Sample number	Length	AuBest
677.00	760.00	K03; Si02; Ank02	678.00	679.50	R221471	1.50	0.177
		Potassic 3; Silica 2; Ankerite 2					
		pervasive intense potassic, weak to moderate ankerite and selective moderate silica alretaion					
678.50	685.50	Py01; Cp00.5	679.50	681.00	R221472	1.50	0.254
		Pyrite 1%; Chalcopyrite 0.5%	681.00	682.50	R221473	1.50	0.215
		Fine graine pyrite and few splash of chalcopyrite	682.50	684.00	R221474	1.50	0.126
			684.00	685.50	R221477	1.50	0.087
685.50	688.50	Py02	685.50	687.00	R221478	1.50	0.097
		Pyrite 2%	687.00	688.50	R221479	1.50	0.129
		Fine grained disseminated pyrite.					
688.50	690.00	Cp03; Py02	688.50	690.00	R221480	1.50	0.115
		Chalcopyrite 3%; Pyrite 2%					
		Fine grained disseminated pyrite as well as chalcopyrite veins.					
690.00	691.50	Py02; Cp03	690.00	691.50	R221481	1.50	0.11
		Pyrite 2%; Chalcopyrite 3%					
		Fine grained disseminated pyrite as well as chalcopyrite veins.					
691.50	696.00	Py01	691.50	693.00	R221482	1.50	0.052
		Pyrite 1%	693.00	694.50	R221483	1.50	0.292
		Fine grained disseminated pyrite.					
693.80	695.80	V4M; FlBand	694.50	696.00	R221484	1.50	0.074
		Trachyte mafic; FLOWBANDED					
		A narrow mafic trachyte ,very hard contain 30% mafic minerals(amphibole) in fine grained					
		pinkish-greyish ground mass. Alteration consists silicification, albite, potassic and weak ankerite, Non					
		magnetic.					
696.00	697.50	Py01	696.00	697.50	R221485	1.50	0.473
		Pyrite 1%					
		Fine grained disseminated pyrite.					
697.50	702.00	Py00.5	697.50	699.00	R221486	1.50	0.141
		Pyrite 0.5%	699.00	700.50	R221487	1.50	0.113
		Fine grained disseminated pyrite.	700.50	702.00	R221488	1.50	0.138
702.00	712.50	Py01	702.00	703.50	R221489	1.50	0.152
		Pyrite 1%	703.50	705.00	R221490	1.50	0.086
		Fine grained disseminated pyrite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			705.00	706.50	R221491	1.50	0.035
			706.50	708.00	R221492	1.50	0.152
			708.00	709.50	R221493	1.50	0.094
			709.50	711.00	R221494	1.50	0.125
			711.00	712.50	R221495	1.50	0.263
712.50	718.50	Py00.5	712.50	714.00	R221496	1.50	0.177
		Pyrite 0.5%	714.00	715.50	R221497	1.50	0.143
		Fine grained disseminated pyrite.	715.50	717.00	R221498	1.50	0.028
			717.00	718.50	R221499	1.50	0.161
718.50	732.00	Py01	718.50	720.00	R221502	1.50	0.24
		Pyrite 1%	720.00	721.50	R221503	1.50	0.196
		Fine grained disseminated pyrite.	721.50	723.00	R221504	1.50	0.223
			723.00	724.50	R221505	1.50	0.124
			724.50	726.00	R221506	1.50	0.196
			726.00	727.50	R221507	1.50	0.204
			727.50	729.00	R221508	1.50	0.204
			729.00	730.50	R221509	1.50	0.14
			730.50	732.00	R221510	1.50	0.148
732.00	748.50	Py00.5; Hem00.5; As00.1	732.00	733.50	R221511	1.50	0.261
		Pyrite 0.5%; SPECULARITE 0.5%; Arsenopyrite 0.1%	733.50	735.00	R221512	1.50	0.206
		Fine grained disseminated arsenopyrite and pyrite as well as vinlets of pyrite and specularite	735.00	736.50	R221513	1.50	0.259
			736.50	738.00	R221514	1.50	0.329
			738.00	739.50	R221515	1.50	0.228
			739.50	741.00	R221516	1.50	0.111
			741.00	742.50	R221517	1.50	0.131
			742.50	744.00	R221518	1.50	0.202
			744.00	745.50	R221519	1.50	0.161
745.00	747.20	Vn;15%;Sgq;Ra;10°;As00.1;	745.50	747.00	R221520	1.50	1.87
		vein (5 mm - 10 cm) 15% random 10° Arsenopyrite 0.1%	747.00	748.50	R221521	1.50	0.161
		In this interval a group of irregular grey quartz wide 1-8mm cut the rock almost parallel to core axes. gold assay shows 1.8 ppm.					
747.20	757.00	Vt;2%;Qak;Vc;60°;Py00.2 Hem00.3;					
		veinlet (1-5 mm) 2% quartz-ankerite vein cross-cutting foliation 60° Pyrite 0.2%					
		SPECULARITE 0.3%					
		A series of quartz -ankerite veinlets wide 1-4mm cross cut the rock at average 60 dtca. Some of them					

Description			Assay				
			From	To	Sample number	Length	AuBest
		contains a few splash of chalcopyrite and specularite					
748.50	765.00	Cp00.5; Py02; Hem00.5	748.50	750.00	R221522	1.50	0.379
		Chalcopyrite 0.5%; Pyrite 2%; SPECULARITE 0.5%	750.00	751.50	R221523	1.50	0.062
		Fine grained disseminated and vinlets of pyrite as well as some splash of chalcopyrite and specularite	751.50	753.00	R221524	1.50	0.044
		stringers.	753.00	754.50	R221527	1.50	0.017
			754.50	756.00	R221528	1.50	0.067
			756.00	757.50	R221529	1.50	0.618
			757.50	759.00	R221530	1.50	0.087
			759.00	760.50	R221531	1.50	0.096
760.00	856.70	Si02; K03; He02; Cl01; Ank02	760.50	762.00	R221532	1.50	0.105
		Silica 2; Potassic 3; Hematite 2; Chlorite 1; Ankerite 2	762.00	763.50	R221533	1.50	0.151
		Fine grained disseminated and vinlets of pyrite as well as some splash of chalcopyrite and specularite	763.50	765.00	R221534	1.50	0.117
		stringers.					
765.00	766.00	Hem00.5; Cp00.2; Py00.5	765.00	766.50	R221535	1.50	0.108
		SPECULARITE 0.5%; Chalcopyrite 0.2%; Pyrite 0.5%					
		Fine grained disseminated and vinlets of pyrite as well as some splash of chalcopyrite and specularite					
		stringers.					
766.00	785.00	Py03; Cp00.2; Hem00.2	766.50	768.00	R221536	1.50	0.17
		Pyrite 3%; Chalcopyrite 0.2%; SPECULARITE 0.2%	768.00	769.50	R221537	1.50	0.144
		Fine grained disseminated and vinlets of pyrite as well as some splash of chalcopyrite and specularite	769.50	771.00	R221538	1.50	0.118
		stringers.	771.00	772.50	R221539	1.50	0.164
			772.50	774.00	R221540	1.50	0.031
			774.00	775.50	R221541	1.50	0.114
			775.50	777.00	R221542	1.50	0.082
			777.00	778.50	R221543	1.50	0.07
			778.50	780.00	R221544	1.50	0.036
			780.00	781.50	R221545	1.50	0.046
			781.50	783.00	R221546	1.50	0.044
			783.00	784.50	R221547	1.50	0.075
			784.50	786.00	R221548	1.50	0.122
785.00	804.00	Py02.5; Cp00.1; Hem00.1	786.00	787.50	R221549	1.50	0.107
		Pyrite 2.5%; Chalcopyrite 0.1%; SPECULARITE 0.1%	787.50	789.00	R221552	1.50	0.13
		Fine grained disseminated and vinlets of pyrite as well as some splash of chalcopyrite and specularite	789.00	790.50	R221553	1.50	0.176
		stringers.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			790.50	792.00	R221554	1.50	0.09
			792.00	793.50	R221555	1.50	0.158
			793.50	795.00	R221556	1.50	0.144
			795.00	796.50	R221557	1.50	0.129
			796.50	798.00	R221558	1.50	0.133
			798.00	799.50	R221559	1.50	0.04
			799.50	801.00	R221560	1.50	0.02
			801.00	802.50	R221561	1.50	0.023
			802.50	804.00	R221562	1.50	0.096
804.00	811.00	Py01	804.00	805.50	R221563	1.50	0.124
		Pyrite 1%	805.50	807.00	R221564	1.50	0.045
		Fine grained disseminated and vinlets of pyrite	807.00	808.50	R221565	1.50	0.077
			808.50	810.00	R221566	1.50	0.192
			810.00	811.50	R221567	1.50	0.077
811.00	815.00	Py00.5; Hem01	811.50	813.00	R221568	1.50	0.069
		Pyrite 0.5%; SPECULARITE 1%	813.00	814.50	R221569	1.50	0.05
		Fine grained disseminated pyrite as well as specularite stringers.	814.50	816.00	R221570	1.50	0.061
815.00	825.00	Hem01; Py00.4	816.00	817.50	R221571	1.50	0.065
		SPECULARITE 1%; Pyrite 0.4%	817.50	819.00	R221572	1.50	0.101
		Fine grained disseminated pyrite as well as specularite stringers.	819.00	820.50	R221573	1.50	0.074
			820.50	822.00	R221574	1.50	0.09
			822.00	823.50	R221577	1.50	0.102
			823.50	825.00	R221578	1.50	0.095
825.00	840.00	Py00.2; Hem02; Cp00.1	825.00	826.50	R221579	1.50	0.05
		Pyrite 0.2%; SPECULARITE 2%; Chalcopyrite 0.1%	826.50	828.00	R221580	1.50	0.072
		Fine grained disseminated pyrite as well as some splash of chalcopyrite inside quartz-ankerite veinlets	828.00	829.50	R221581	1.50	0.141
		and specularite stringers.	829.50	831.00	R221582	1.50	0.238
			831.00	832.50	R221583	1.50	0.431
			832.50	834.00	R221584	1.50	0.138
			834.00	835.50	R221585	1.50	0.248
			835.50	837.00	R221586	1.50	0.214
			837.00	838.50	R221587	1.50	0.097
			838.50	840.00	R221588	1.50	0.074
840.00	856.00	Cp00.2; Hem01; Py00.4	840.00	841.50	R221589	1.50	0.146

Description			Assay				
			From	To	Sample number	Length	AuBest
		Chalcopyrite 0.2%; SPECULARITE 1%; Pyrite 0.4%	841.50	843.00	R221590	1.50	0.226
		Fine grained disseminated pyrite as well as some splash of chalcopyrite inside quartz-ankerite veinlets and specularite stringers.					
843.00	873.25	Bxh	843.00	844.50	R221591	1.50	0.204
		Breccia healed	844.50	846.00	R221592	1.50	0.13
		A few breccias with chalcopyrite veinlets	846.00	847.50	R221593	1.50	0.093
			847.50	849.00	R221594	1.50	0.047
			849.00	850.50	R221595	1.50	0.026
			850.50	852.00	R221596	1.50	0.122
			852.00	853.50	R221597	1.50	0.125
			853.50	855.00	R221598	1.50	0.031
			855.00	856.50	R221599	1.50	0.124
856.00	861.00	Py02; Cp00.4; Hem00.2	856.50	858.00	R221602	1.50	0.356
		Pyrite 2%; Chalcopyrite 0.4%; SPECULARITE 0.2%					
		Fine grained disseminated pyrite as well as some splash of chalcopyrite inside quartz-ankerite veinlets and specularite stringers.					
856.70	866.70	Alb03; Si03; Ank02; K02					
		Albite 3; Silica 3; Ankerite 2; Potassic 2					
		Intense pervasive albite and silica, moderate pervasive ankerite and potassic alteration					
857.50	857.70	BBC	858.00	859.50	R221603	1.50	0.908
		Broken Blocky Core	859.50	861.00	R221604	1.50	0.207
		Due to drilling condition, no gouge					
861.00	871.00	Cp00.1; Hem00.2; Py00.6	861.00	862.50	R221605	1.50	0.094
		Chalcopyrite 0.1%; SPECULARITE 0.2%; Pyrite 0.6%	862.50	864.00	R221606	1.50	0.118
		Fine grained disseminated pyrite as well as some splash of chalcopyrite inside quartz-ankerite veinlets and specularite stringers.	864.00	865.50	R221607	1.50	0.04
			865.50	867.00	R221608	1.50	0.043
866.70	873.25	K03; Si02; Alb02; Ank02; He01	867.00	868.50	R221609	1.50	0.037
		Potassic 3; Silica 2; Albite 2; Ankerite 2; Hematite 1	868.50	870.00	R221610	1.50	0.106
		pervasive intense potassic, weak to moderate ankerite and selective weak hematite, moderate silica and albite alretaion	870.00	871.50	R221611	1.50	0.192
871.00	873.25	Py00.5; Cp00.5; Hem00.2	871.50	873.25	R221612	1.75	0.04
		Pyrite 0.5%; Chalcopyrite 0.5%; SPECULARITE 0.2%					
		Thereare 0.5 % chalcopyrite as well as pyrite stringers and weak specularite stringers up 0.2%.					
873.25	**End of DDH**						
	Number of samples: 555						
	Number of QAQC samples: 48						
	Total sampled length: 832.25						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_81

Drilled by:	Major	Claims title:	L9994	Section:	
Described by:	Reza Hosseinnejad	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	13/04/2014	Description date:	17/04/2014
		To:	22/04/2014		

Collar

Azimuth:	210.0°
Dip:	-50.0°
Length:	507.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,399.086
North	0.0	0.000	5,331,397.193
Elevation	0.0	0.000	337.588

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	210.0°	-50.0°	No	
ReflexEZS	81.00	206.9°	-53.7°	No	Mag = 55180
ReflexEZS	141.00	211.1°	-53.4°	No	Mag = 54295
ReflexEZS	201.00	211.3°	-53.4°	No	Mag = 54820
ReflexEZS	261.00	210.1°	-53.3°	No	Mag = 54467
ReflexEZS	321.00	214.1°	-52.6°	No	Mag = 54356
ReflexEZS	381.00	216.9°	-51.9°	No	Mag = 55530
ReflexEZS	441.00	219.7°	-49.6°	No	Mag = 55029
ReflexEZS	501.00	226.0°	-47.3°	No	Mag = 55064

Description

Re-logged by Mike Laliberty Sept 2014.

Core size:	NQ	Cemented:	Yes	Stored:	No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	69.00	OVB **Overburden** 69m of overburden.					
69.00	171.00	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Medium grey fine grained weakly to moderately foliated (30-60 dtca) trachyte tuff with intervals of stretched ankerite altered lapilli and short intervals of flowbanded trachyte. Weak to moderate patchy to pervasive ankeritic alteration replaced by a weak mostly vein-controlled to pervasive calcitic alteration around 123m. There is also a weak to moderate fracture and foliation-controlled chloritic alteration, weak to locally moderate wispy sericitic alteration and a weak to locally strong vein-controlled potassic alteration. This unit has rusty orange weathering/oxidation halos along fractures/joints throughout as well as a deep brown/red in some of the veining which may be a late hematitic alteration or a lesser degree of oxidation of the ankerite in the veins. Non magnetic up hole to 119.2 then becomes intermittent non to moderately magnetic with visible magnetite blebs in the magnetic intervals. Generally 2-3% qtz/ankerite and/or calcite veinlets and stringers with localized concentrations (up to 70% over 1.5m) of quartz/ankerite/chlorite +/- calcite stacked veinlets, small veins and fracture fills with potassic and hematitic(?) alteration. Sulphides are generally trace but locally are up to 1% associated with discontinuous/boudinaged qtz/ankerite/calcite stringers that run parallel to foliation.					
69.00	123.00	Ank01; Cl01; Se01; K01; He01; Ox01 **Ankerite 1; Chlorite 1; Sericite 1; Potassic 1; Hematite 1; Oxidation 1** Weak to moderate patchy to pervasive ankeritic alteration, weak to moderate fracture and foliation-controlled chloritic alteration, weak to locally moderate wispy sericitic alteration and a weak to locally strong vein-controlled potassic alteration. This unit has rusty orange weathering/oxidation halos along fractures/joints throughout as well as a deep brown/red in some of the veining which may be a late hematitic alteration or a lesser degree of oxidation of the ankerite in the veins.					
69.00	507.00	Fln **Foliation 40°** Weak to locally strong intermittent foliation. The foliation presents stronger in tuffaceous intervals and tends to be 40-85 dtca. Sub-parallel weak foliations in flow intervals may be flow banding.	69.00	70.50	Q301748	1.50	<0.005
69.50	89.40	Vn;10%;Qac;In;;Py00.5; **vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite infilled fractures Pyrite 0.5%** Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a moderate to strong potassic alteration and wispy browninsh green sericite along margins. 0.5-1% py associated with sericite along margins.	70.50	72.00	Q301749	1.50	0.026
71.00	85.35	Py00.5 **Pyrite 0.5%** 0.5-1% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation.	72.00	73.50	Q301752	1.50	0.03
			73.50	75.00	Q301753	1.50	0.028
			75.00	76.50	Q301754	1.50	0.035
			76.50	78.00	Q301755	1.50	0.037
			78.00	79.50	Q301756	1.50	0.041
			79.50	81.00	Q301757	1.50	0.024
			81.00	82.50	Q301758	1.50	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
			82.50	84.00	Q301759	1.50	0.043
			84.00	85.50	Q301760	1.50	0.024
			85.50	87.00	Q301761	1.50	0.008
			87.00	88.50	Q301762	1.50	0.011
			88.50	90.00	Q301763	1.50	0.006
			90.00	91.50	Q301764	1.50	<0.005
			91.50	93.00	Q301765	1.50	<0.005
			93.00	94.50	Q301766	1.50	<0.005
93.90	100.50	Vn;3%;Qac;In;;Py00.1;	94.50	96.00	Q301767	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%	96.00	97.50	Q301768	1.50	<0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a weak to	97.50	99.00	Q301769	1.50	<0.005
		moderate potassic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py	99.00	100.50	Q301770	1.50	<0.005
		associated with sericite along margins.					
99.50	110.80	Py00.5	100.50	102.00	Q301771	1.50	0.006
		Pyrite 0.5%	102.00	103.50	Q301772	1.50	<0.005
		0.5-1% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation.	103.50	105.00	Q301773	1.50	<0.005
			105.00	106.50	Q301774	1.50	<0.005
			106.50	108.00	Q301777	1.50	0.005
			108.00	109.50	Q301778	1.50	0.013
			109.50	111.00	Q301779	1.50	0.015
			111.00	112.50	Q301780	1.50	<0.005
			112.50	114.00	Q301781	1.50	0.006
			114.00	115.50	Q301782	1.50	0.005
			115.50	117.00	Q301783	1.50	0.006
			117.00	118.50	Q301784	1.50	<0.005
			118.50	120.00	Q301785	1.50	<0.005
119.80	135.40	Vn;1%;Qac;In;;Py00.1;	120.00	121.50	Q301786	1.50	<0.005
		vein (5 mm - 10 cm) 1% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%	121.50	123.00	Q301787	1.50	<0.005
		Brown-red and white qtz/ankerite/chlorite +/- k-spar veining and fracture fill with a weak potassic, a late					
		moderate hematitic alteration and wispy browninsh green sericite along margins. Trace py associated					
		with sericite along margins.					
123.00	170.00	Ca01; Cl01; Se01; K01; He01; Ox01	123.00	124.50	Q301788	1.50	<0.005
		Calcite 1; Chlorite 1; Sericite 1; Potassic 1; Hematite 1; Oxidation 1	124.50	126.00	Q301789	1.50	<0.005
		Weak mostly vein-controlled to pervasive calcitic alteration, weak to moderate fracture and	126.00	127.50	Q301790	1.50	<0.005
		foliation-controlled chloritic alteration, weak to locally moderate wispy sericitic alteration and a weak to	127.50	129.00	Q301791	1.50	<0.005
		locally strong vein-controlled potassic alteration. This unit has rusty orange weathering/oxidation halos					
		along fractures/joints throughout as well as a deep brown/red in some of the veining which may be a late	129.00	130.50	Q301792	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		hematitic alteration or a lesser degree of oxidation of the ankerite in the veins.	130.50	132.00	Q301793	1.50	<0.005
			132.00	133.50	Q301794	1.50	<0.005
			133.50	135.00	Q301795	1.50	<0.005
			135.00	136.50	Q301796	1.50	<0.005
			136.50	138.00	Q301797	1.50	<0.005
137.20	147.30	Vn;20%;Qac;In;;Py00.1;	138.00	139.50	Q301798	1.50	<0.005
		vein (5 mm - 10 cm) 20% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%	139.50	141.00	Q301799	1.50	<0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong	141.00	142.50	Q301802	1.50	<0.005
		potassic alteration and wispy browninsh green sericite along margins. 0.5-1% py associated with sericite	142.50	144.00	Q301803	1.50	<0.005
		along margins.	144.00	145.50	Q301804	1.50	<0.005
			145.50	147.00	Q301805	1.50	<0.005
			147.00	148.50	Q301806	1.50	<0.005
			148.50	150.00	Q301807	1.50	<0.005
			150.00	151.50	Q301808	1.50	<0.005
			151.50	153.00	Q301809	1.50	<0.005
			153.00	154.50	Q301810	1.50	<0.005
			154.50	156.00	Q301811	1.50	<0.005
			156.00	157.50	Q301812	1.50	<0.005
			157.50	159.00	Q301813	1.50	0.008
			159.00	160.50	Q301814	1.50	<0.005
			160.50	162.00	Q301815	1.50	<0.005
			162.00	163.50	Q301816	1.50	0.006
			163.50	165.00	Q301817	1.50	<0.005
			165.00	166.50	Q301818	1.50	0.033
			166.50	168.00	Q301819	1.50	0.007
			168.00	169.50	Q301820	1.50	0.007
169.30	169.60	Vn;10%;Qac;In;;Py00.1;	169.50	171.00	Q301821	1.50	0.031
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%					
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong					
		potassic alteration and wispy browninsh green sericite along margins. Trace py associated with sericite					
		along margins.					
170.00	220.00	Ank01; Cl01; Se01; K01; Ox01					
		Ankerite 1; Chlorite 1; Sericite 1; Potassic 1; Oxidation 1					
		Weak patchy to pervasive ankeritic alteration, weak to moderate fracture and foliation-controlled chloritic					
		alteration, weak to locally moderate wispy sericitic alteration and a weak to locally strong vein-controlled					
		potassic alteration. This unit has rusty orange weathering/oxidation halos along fractures/joints					

Description			Assay				
			From	To	Sample number	Length	AuBest
		throughout as well as a deep brown/red in some of the veining which may be a late hematitic alteration or a lesser degree of oxidation of the ankerite in the veins.					
171.00	209.00	V4; Fol; Tuff	171.00	172.50	Q301822	1.50	0.01
		Trachyte; Foliated; TUFF	172.50	174.00	Q301823	1.50	<0.005
		Medium fine grained weakly foliated to massive trachyte with 20% tuffaceous intervals. Weak patchy to pervasive ankeritic alteration, weak to moderate fracture and foliation-controlled chloritic alteration, weak to locally moderate wispy sericitic alteration and a weak to locally strong vein-controlled potassic alteration. This unit has some rusty orange weathering/oxidation halos along fractures/joints as well as a deep brown/red in some of the veining which may be a late hematitic alteration or a lesser degree of oxidation of the ankerite in the veins. Intermittent non to moderately magnetic with visible magnetite blebs in the magnetic intervals. Generally 2-3% qtz/ankerite and/or calcite veinlets and stringers with localized concentrations (up to 70% over 1.5m) of quartz/ankerite/chlorite +/- calcite stacked veinlets, small veins and fracture fills with potassic and hematitic(?) alteration. Sulphides are generally trace but locally are up to 1% associated with discontinuous/boudinaged qtz/ankerite/calcite stringers that run parallel to foliation.					
173.30	174.30	Vn;3%;Qac;In;;Py00.1;	174.00	175.50	Q301824	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%	175.50	177.00	Q301827	1.50	<0.005
		Rusty brown-red and white qtz/ankerite/chlorite + k-spar veining and fracture fill with a weak potassic, a late hematitic alteration and wispy browninsh green sericite along margins. Trace py associated with sericite along margins.	177.00	178.50	Q301828	1.50	<0.005
			178.50	180.00	Q301829	1.50	<0.005
			180.00	181.50	Q301830	1.50	0.026
180.50	186.50	Vn;2%;Qac;In;;Py00.1;					
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%					
		Creamy pinkish white to brown red qtz/ankerite/chlorite + k-spar veining and fracture fill with a weak potassic and weak hematitic alteration with wispy browninsh green sericite along margins. Trace to 0.5 py associated with sericite along margins.					
180.80	196.80	Py00.5	181.50	183.00	Q301831	1.50	0.007
		Pyrite 0.5%	183.00	184.50	Q301832	1.50	0.011
		0.5-1% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along margins of qtz/ankerite/chlorite veining.	184.50	186.00	Q301833	1.50	0.014
			186.00	187.50	Q301834	1.50	0.007
			187.50	189.00	Q301835	1.50	0.006
			189.00	190.50	Q301836	1.50	<0.005
			190.50	192.00	Q301837	1.50	0.034
191.30	194.00	Vn;50%;Qac;In;;Py00.1;	192.00	193.50	Q301838	1.50	0.043
		vein (5 mm - 10 cm) 50% quartz-ankerite-chlorite infilled fractures Pyrite 0.1%	193.50	195.00	Q301839	1.50	0.1
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. 0.5-1% py associated with sericite along margins.	195.00	196.50	Q301840	1.50	0.073
			196.50	198.00	Q301841	1.50	0.009
			198.00	199.50	Q301842	1.50	0.005
			199.50	201.00	Q301843	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
199.90	201.00	Py00.5 **Pyrite 0.5%** 0.5% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along margins of qtz/ankerite/chlorite veining.	201.00	202.50	Q301844	1.50	0.006
			202.50	204.00	Q301845	1.50	<0.005
			204.00	205.50	Q301846	1.50	<0.005
			205.50	207.00	Q301847	1.50	<0.005
			207.00	208.50	Q301848	1.50	<0.005
			208.50	210.00	Q301849	1.50	<0.005
209.00	256.80	V4; Tuff; Fol **Trachyte; TUFF; Foliated** Medium green/grey with beige and rusty orange areas. Fine grained moderately to strongly foliated (5-50 dtca) trachyte tuff with ankerite altered stretched lapilli and occasional short semi-massive flow intervals. Moderate to strong pervasive ankeritic alteration, moderate fracture and foliation-controlled chloritic alteration, weak to moderate wispy sericitic alteration, weak patchy potassic alteration and a patchy rusty orange oxidation (of ankerite). Moderately to strongly magnetic with a short non-magnetic interval (227.4-229.5m). 1-2% ankerite +/- qtz veinlets and stringers that generally align with the foliation. Trace to 1% fine to medium grained py disseminated and in discontinuous (boudinaged?) qtz/ankerite/chlorite(?) stringers. Areas of higher py have Au values up to 0.393 g/t.	210.00	211.50	Q301852	1.50	<0.005
			211.50	213.00	Q301853	1.50	<0.005
211.70	226.50	Py01 **Pyrite 1%** 0.5-1% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along margins of qtz/ankerite/chlorite veining. It should be noted that Au values for this interval reached 0.393 g/t (220.5-222m).	213.00	214.50	Q301854	1.50	0.007
			214.50	216.00	Q301855	1.50	0.012
			216.00	217.50	Q301856	1.50	0.092
			217.50	219.00	Q301857	1.50	0.146
			219.00	220.50	Q301858	1.50	0.178
220.00	256.80	Ank02; Cl02; Se01; K01; Ox01 **Ankerite 2; Chlorite 2; Sericite 1; Potassic 1; Oxidation 1** Moderate to strong pervasive ankeritic alteration, moderate fracture and foliation-controlled chloritic alteration, weak to moderate wispy sericitic alteration, weak patchy potassic alteration and a patchy rusty orange oxidation (of ankerite).	220.50	222.00	Q301859	1.50	0.393
			222.00	223.50	Q301860	1.50	0.298
			223.50	225.00	Q301861	1.50	0.26
			225.00	226.50	Q301862	1.50	0.039
			226.50	228.00	Q301863	1.50	0.102
			228.00	229.50	Q301864	1.50	0.101
			229.50	231.00	Q301865	1.50	0.016
			231.00	232.50	Q301866	1.50	<0.005
			232.50	234.00	Q301867	1.50	<0.005
			234.00	235.50	Q301868	1.50	<0.005
			235.50	237.00	Q301869	1.50	0.02
			237.00	238.50	Q301870	1.50	<0.005
			238.50	240.00	Q301871	1.50	0.035
			240.00	241.50	Q301872	1.50	0.01
			241.50	243.00	Q301873	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
242.60	261.60	Py00.5 **Pyrite 0.5%** 0.5-1% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along margins of qtz/ankerite/chlorite veining.	243.00	244.50	Q301874	1.50	0.046
244.20	250.90	Vn;2%;Qac;Vc;50°;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein cross-cutting foliation 50° Pyrite 0.1%** Creamy white qtz/ankerite/chlorite veins +/- brown red alteration (hematitiic?) and sericite along margins.	244.50	246.00	Q301877	1.50	0.022
			246.00	247.50	Q301878	1.50	0.012
			247.50	249.00	Q301879	1.50	0.041
			249.00	250.50	Q301880	1.50	0.025
			250.50	252.00	Q301881	1.50	0.05
			252.00	253.50	Q301882	1.50	0.061
			253.50	255.00	Q301883	1.50	0.015
254.10	255.40	Vn;5%;Qac;Vn;50°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 50° Pyrite 0.1%** Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	255.00	256.50	Q301884	1.50	0.012
			256.50	258.00	Q301885	1.50	0.081
256.80	320.60	V4; FlBand; Fol **Trachyte; FLOWBANDED; Foliated** Maroon-brown to black fine grained to glassy flow banded?/foliated trachyte. Moderate to strong patchy to pervasive potassic alteration, weak to locally strong pervasive ankeritic alteration and a moderate to strong fracture-controlled chloritic alteration. Moderately to strongly magnetic. A network of quartz veinets wide 1-2 mm crosscut the unit at the variable angles. The rock is hard and brittle - broken blocky intervals are common. Trace to locally 1% disseminated py and in discontiuous ankerite stringers. Rare chalcopyrite associated with ankerite veinlets.					
256.80	320.60	K02; Ank01; Cl01 **Potassic 2; Ankerite 1; Chlorite 1** Moderate to strong patchy to pervasive potassic alteration, weak to locally strong pervasive ankeritic alteration and a moderate to strong fracture-controlled chloritic alteration.	258.00	259.50	Q301886	1.50	0.065
			259.50	261.00	Q301887	1.50	0.023
			261.00	262.50	Q301888	1.50	0.047
			262.50	264.00	Q301889	1.50	0.037
			264.00	265.50	Q301890	1.50	<0.005
			265.50	267.00	Q301891	1.50	0.005
			267.00	268.50	Q301892	1.50	0.005
			268.50	270.00	Q301893	1.50	<0.005
			270.00	271.50	Q301894	1.50	<0.005
			271.50	273.00	Q301895	1.50	<0.005
			273.00	274.50	Q301896	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			274.50	276.00	Q301897	1.50	0.011
			276.00	277.50	Q301898	1.50	0.046
277.50	300.80	Py00.5	277.50	279.00	Q301899	1.50	0.008
		Pyrite 0.5%	279.00	280.50	Q301902	1.50	0.009
		0.5-1% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along	280.50	282.00	Q301903	1.50	0.023
		margins of qtz/ankerite/chlorite veining.	282.00	283.50	Q301904	1.50	0.01
			283.50	285.00	Q301905	1.50	0.012
			285.00	286.50	Q301906	1.50	0.007
			286.50	288.00	Q301907	1.50	0.023
			288.00	289.50	Q301908	1.50	0.022
			289.50	291.00	Q301909	1.50	0.03
			291.00	292.50	Q301910	1.50	0.068
			292.50	294.00	Q301911	1.50	0.017
			294.00	295.50	Q301912	1.50	0.013
			295.50	297.00	Q301913	1.50	0.106
			297.00	298.50	Q301914	1.50	0.017
			298.50	300.00	Q301915	1.50	<0.005
			300.00	301.50	Q301916	1.50	0.018
			301.50	303.00	Q301917	1.50	<0.005
			303.00	304.50	Q301918	1.50	0.055
			304.50	306.00	Q301919	1.50	0.008
305.00	309.20	Py00.5	306.00	307.50	Q301920	1.50	0.009
		Pyrite 0.5%	307.50	309.00	Q301921	1.50	0.037
		0.5% pyrite blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along	309.00	310.50	Q301922	1.50	0.024
		margins of qtz/ankerite/chlorite veining.	310.50	312.00	Q301923	1.50	0.015
312.00	322.00	Py00.5	312.00	313.50	Q301924	1.50	0.023
		Pyrite 0.5%	313.50	315.00	Q301927	1.50	0.058
		0.5-1% disseminated pyrite and blebs in discontinuous ankerite/calcite stringers that run parallel to	315.00	316.50	Q301928	1.50	0.028
		foliation and along margins of qtz/ankerite/chlorite veining. It should be noted that Au values reached	316.50	318.00	Q301929	1.50	0.026
		0.158 g/t over this interval.	318.00	319.50	Q301930	1.50	0.02
			319.50	321.00	Q301931	1.50	0.158
320.60	441.00	V4; FlBand; Tuff; Fol	321.00	322.50	Q301932	1.50	0.105
		Trachyte; FLOWBANDED; TUFF; Foliated					
		Dark grey/green to pinkish beige fine grained flow banded(?)/foliated to locally massive trachyte with 20-30%					
		tuffaceous intervals. The tuffaceous intervals exhibit a stronger foliation and may contain stretched					

Description			Assay				
			From	To	Sample number	Length	AuBest
		ankerite/calcite altered lapilli. Flow banding tends to be sub-parallel tca while foliation can be anywhere from 40-85 dtca. Highly microfractured (sub-brecciated) to ~358m with shorter intervals of microfractures down hole tend to have stronger chlorite and higher py abundance. Weak to moderate patchy potassic alteration becomes less frequent and vein-controlled after 376.5m. Moderate pervasive ankeritic alteration becomes weak to moderate pervasive calcitic alteration around 358.5m. Moderate to locally strong fracture and foliation-controlled chloritic alteration, moderate to strong late vein-controlled hematitic alteration, weak wispy vein-controlled sericitic alteration and localized leucoxene blebs. Moderately to strongly magnetic to 327.3m where it becomes non magnetic to 355.8m. The remainder of the unit is moderately to strongly magnetic with visible magnetite blebs intercalated with short (<5m) non magnetic intervals. Generally 2-3% with localized concentrations up to 50% of creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a late strong hematitic alteration and wispy browninsh green sericite along margins. There is also 2% light pinkish white calcite veinlets and fracture fill with a strong potassic alteration from 430.5-436.8m. Gold mineralization starts (0.158 g/t at 319-320.5m) at the end of the last unit and peaks at 0.984 g/t between 354-355.5m but drops to background levels by 358.5m - coincidentally near the end of the microfracturing. Pyrite mineralization is found as fine disseminations as well as stringers and fracture fills with higher abundance in microfractured intervals.					
320.60	358.50	K02; Ank02; Cl02; He01; Se01; Lcx01 **Potassic 2; Ankerite 2; Chlorite 2; Hematite 1; Sericite 1; Leucoxene 1** Weak to moderate patchy potassic alteration becomes less frequent and vein-controlled after 376.5m. Moderate pervasive ankeritic alteration becomes weak to moderate pervasive calcitic alteration around 358.5m. Moderate to locally strong fracture and foliation-controlled chloritic alteration, moderate to strong late vein-controlled hematitic alteration, weak wispy vein-controlled sericitic alteration and localized leucoxene blebs.					
322.50	336.00	Vn;2%;Qac;Vn;30°;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 30° Pyrite 0.1%** Narrow (<1cm) creamy white to (rarely) brick red qtz/ankerite/chlorite + k-spar veinlets, stringers and fracture fill with a strong potassic with a possible late hematitic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	322.50	324.00	Q301933	1.50	0.308
322.60	325.20	Py00.5 **Pyrite 0.5%** 0.5% disseminated pyrite and blebs in discontinuous ankerite/calcite stringers that run parallel to foliation. This interval has up to 0.638 g/t Au.	324.00	325.50	Q301934	1.50	0.638
			325.50	327.00	Q301935	1.50	0.089
			327.00	328.50	Q301936	1.50	0.359
328.00	333.00	Py01 **Pyrite 1%** 1% disseminated pyrite and blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along margins of qtz/ankerite/chlorite veining. Up to 0.538 g/t Au (331.5-333m).	328.50	330.00	Q301937	1.50	0.456
			330.00	331.50	Q301938	1.50	0.462
			331.50	333.00	Q301939	1.50	0.538
333.00	343.50	Py02 **Pyrite 2%** 2% disseminated pyrite and blebs in discontinuous ankerite/calcite stringers that run parallel to foliation and along margins of qtz/ankerite/chlorite veining with up to 0.684 g/t Au (339-340.5m).	333.00	334.50	Q301940	1.50	0.632
			334.50	336.00	Q301941	1.50	0.285
			336.00	337.50	Q301942	1.50	0.498

Description			Assay				
			From	To	Sample number	Length	AuBest
			337.50	339.00	Q301943	1.50	0.529
338.90	339.35	Vn;50%;Qac;;;Py00.5;	339.00	340.50	Q301944	1.50	0.684
		vein (5 mm - 10 cm) 50% quartz-ankerite-chlorite Pyrite 0.5%	340.50	342.00	Q301945	1.50	0.284
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong	342.00	343.50	Q301946	1.50	0.647
		potassic alteration, late strong hematitic alteration and wispy browninsh green sericite along margins.					
		Trace to 0.5% py associated with sericite along margins.					
343.50	357.40	Py01	343.50	345.00	Q301947	1.50	0.123
		Pyrite 1%	345.00	346.50	Q301948	1.50	0.127
		0.5-1% disseminated pyrite and blebs in discontinuous ankerite/calcite stringers that run parallel to	346.50	348.00	Q301949	1.50	0.152
		foliation and along margins of qtz/ankerite/chlorite veining with up to 0.984 g/t Au (354-355.5m). There is	348.00	349.50	Q301952	1.50	0.211
		a strong almost wispy chlorite fracture fill and no magnetism in this interval.	349.50	351.00	Q301953	1.50	0.224
			351.00	352.50	Q301954	1.50	0.328
			352.50	354.00	Q301955	1.50	0.812
			354.00	355.50	Q301956	1.50	0.984
			355.50	357.00	Q301957	1.50	0.133
			357.00	358.50	Q301958	1.50	0.016
358.50	376.50	Cl02; Ca01; K01; He01; Se01; Lcx01	358.50	360.00	Q301959	1.50	0.05
		Chlorite 2; Calcite 1; Potassic 1; Hematite 1; Sericite 1; Leucoxene 1					
		Moderate to locally strong fracture and foliation-controlled chloritic alteration, weak to moderate					
		pervasive calcitic alteration, weak to moderate patchy and vein-controlled potassic alteration, moderate					
		to strong late vein-controlled hematitic alteration, weak wispy vein-controlled sericitic alteration and					
		localized leucoxene blebs.					
359.00	390.00	Vn;2%;Qac;Ra;;Py00.1;	360.00	361.50	Q301960	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random Pyrite 0.1%	361.50	363.00	Q301961	1.50	0.021
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong	363.00	364.50	Q301962	1.50	0.017
		potassic alteration, a late strong hematitic alteration and wispy browninsh green sericite along margins.	364.50	366.00	Q301963	1.50	0.014
		Trace to 0.5% py associated with sericite along margins.	366.00	367.50	Q301964	1.50	0.005
			367.50	369.00	Q301965	1.50	<0.005
			369.00	370.50	Q301966	1.50	<0.005
			370.50	372.00	Q301967	1.50	<0.005
			372.00	373.50	Q301968	1.50	<0.005
373.50	385.50	Py02; Py02	373.50	375.00	Q301969	1.50	0.032
		Pyrite 2%; Pyrite 2%	375.00	376.50	Q301970	1.50	0.036
		2% disseminated pyrite and blebs in discontinuous ankerite/calcite stringers that run parallel to foliation					
		and along margins of qtz/ankerite/chlorite veining.					
376.50	507.00	Cl02; Ca02; He01; K01; Se01	376.50	378.00	Q301971	1.50	0.038
		Chlorite 2; Calcite 2; Hematite 1; Potassic 1; Sericite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate to locally strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive calcitic alteration, moderate to strong late vein-controlled hematitic alteration, weak to moderate vein-controlled potassic alteration, and weak wispy vein-controlled sericitic alteration.	378.00	379.50	Q301972	1.50	0.041
			379.50	381.00	Q301973	1.50	0.032
			381.00	382.50	Q301974	1.50	0.036
			382.50	384.00	Q301977	1.50	0.046
			384.00	385.50	Q301978	1.50	0.02
			385.50	387.00	Q301979	1.50	<0.005
			387.00	388.50	Q301980	1.50	<0.005
388.50	392.30	Py01	388.50	390.00	Q301981	1.50	0.046
		Pyrite 1%	390.00	391.50	Q301982	1.50	0.055
		1-2% disseminated pyrite and blebs in ankerite/calcite/chlorite stringers that run parallel to foliation.					
390.30	398.50	Vn;50%;Qac;Ra;;Py00.1;	391.50	393.00	Q301983	1.50	0.005
		vein (5 mm - 10 cm) 50% quartz-ankerite-chlorite random Pyrite 0.1%	393.00	394.50	Q301984	1.50	<0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a late strong hematitic alteration and wispy browninsh green sericite along margins. Trace to 1% py associated with sericite along margins.	394.50	396.00	Q301985	1.50	<0.005
			396.00	397.50	Q301986	1.50	0.009
			397.50	399.00	Q301987	1.50	<0.005
			399.00	400.50	Q301988	1.50	<0.005
			400.50	402.00	Q301989	1.50	<0.005
			402.00	403.50	Q301990	1.50	<0.005
403.50	409.60	Vn;3%;Qac;Ra;;Py00.1;	403.50	405.00	Q301991	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%	405.00	406.50	Q301992	1.50	<0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a late weak hematitic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	406.50	408.00	Q301993	1.50	<0.005
			408.00	409.50	Q301994	1.50	0.007
			409.50	411.00	Q301995	1.50	0.009
			411.00	412.50	Q301996	1.50	<0.005
			412.50	414.00	Q301997	1.50	<0.005
			414.00	415.50	Q301998	1.50	<0.005
			415.50	417.00	Q301999	1.50	<0.005
			417.00	418.50	Q304002	1.50	0.006
			418.50	420.00	Q304003	1.50	<0.005
			420.00	421.50	Q304004	1.50	0.013
420.70	423.00	Vn;3%;Qac;Ra;;Py00.1;	421.50	423.00	Q304005	1.50	0.018
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%	423.00	424.50	Q304006	1.50	<0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a late moderate hematitic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	424.50	426.00	Q304007	1.50	<0.005
			426.00	427.50	Q304008	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			427.50	429.00	Q304009	1.50	<0.005
			429.00	430.50	Q304010	1.50	<0.005
430.50	436.80	Vt;2%;Ca;Ra;;Py00.1;	430.50	432.00	Q304011	1.50	<0.005
		veinlet (1-5 mm) 2% calcite random Pyrite 0.1%	432.00	433.50	Q304012	1.50	<0.005
		Light pinkish white calcite veinlets and fracture fill with a strong potassic alteration.	433.50	435.00	Q304013	1.50	<0.005
			435.00	436.50	Q304014	1.50	<0.005
			436.50	438.00	Q304015	1.50	0.009
437.00	441.10	Vn;30%;Qac;Ra;;Py00.1;	438.00	439.50	Q304016	1.50	0.006
		vein (5 mm - 10 cm) 30% quartz-ankerite-chlorite random Pyrite 0.1%	439.50	441.00	Q304017	1.50	0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a strong hematitic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.					
441.00	507.00	V4; PorFG	441.00	442.50	Q304018	1.50	<0.005
		Trachyte; PORPHYRITIC (FINE GROUNDMASS)					
		Dark green-grey flow banded(?)/foliated trachyte, siimilar to the previous unit but with medium to coarse calcite altered/replaced plag grains that align with a weak foliation. The unit is fine grained with 1-2mm deformed green chlorite grains (~3%) that also follow a weak foliation/flow banding(?) at 0-20 dtca. Some of the chlorite grains have fiamme shapes (infilling relicts). Moderately magnetic except from 486.5-496.25m where it becomes non magnetic. 2-3% creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. There is also 1% qtz/calcite stringers that run parallel to foliation. Trace pyrite.					
442.00	449.00	Vn;2%;Qac;Ra;;Py00.1;	442.50	444.00	Q304019	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random Pyrite 0.1%	444.00	445.50	Q304020	1.50	<0.005
		Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a moderate late hematitic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	445.50	447.00	Q304021	1.50	<0.005
			447.00	448.50	Q304022	1.50	<0.005
			448.50	450.00	Q304023	1.50	<0.005
			450.00	451.50	Q304024	1.50	<0.005
			451.50	453.00	Q304027	1.50	<0.005
			453.00	454.50	Q304028	1.50	<0.005
			454.50	456.00	Q304029	1.50	<0.005
			456.00	457.50	Q304030	1.50	<0.005
			457.50	459.00	Q304031	1.50	0.007
			459.00	460.50	Q304032	1.50	<0.005
			460.50	462.00	Q304033	1.50	<0.005
			462.00	463.50	Q304034	1.50	<0.005
			463.50	465.00	Q304035	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			465.00	466.50	Q304036	1.50	<0.005
			466.50	468.00	Q304037	1.50	<0.005
			468.00	469.50	Q304038	1.50	<0.005
			469.50	471.00	Q304039	1.50	<0.005
			471.00	472.50	Q304040	1.50	<0.005
			472.50	474.00	Q304041	1.50	<0.005
473.20	475.50	Vn;10%;Qac;Ra;;; **vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random** Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a late weak to moderate hematitic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	474.00	475.50	Q304042	1.50	<0.005
			475.50	477.00	Q304043	1.50	<0.005
			477.00	478.50	Q304044	1.50	<0.005
			478.50	480.00	Q304045	1.50	<0.005
			480.00	481.50	Q304046	1.50	<0.005
			481.50	483.00	Q304047	1.50	<0.005
			483.00	484.50	Q304048	1.50	<0.005
483.50	486.10	Vn;5%;Qac;Ra;;; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random** Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration, a moderate late hematitic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	484.50	486.00	Q304049	1.50	<0.005
			486.00	487.50	Q304052	1.50	0.005
			487.50	488.50	Q304053	1.00	<0.005
			488.50	489.50	Q304321	1.00	<0.005
			489.50	490.50	Q304322	1.00	<0.005
			490.50	492.00	Q304323	1.50	<0.005
			492.00	493.50	Q304324	1.50	<0.005
			493.50	495.00	Q304327	1.50	0.007
494.10	507.00	Vn;3%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%** Creamy pinkish white to brick red qtz/ankerite/chlorite + k-spar veining and fracture fill with a strong potassic alteration and wispy browninsh green sericite along margins. Trace to 0.5% py associated with sericite along margins.	495.00	496.50	Q304328	1.50	0.006
			496.50	498.00	Q304329	1.50	<0.005
			498.00	499.50	Q304330	1.50	<0.005
			499.50	501.00	Q304331	1.50	<0.005
			501.00	502.50	Q304332	1.50	<0.005
			502.50	504.00	Q304333	1.50	<0.005
			504.00	505.50	Q304334	1.50	<0.005
			505.50	507.00	Q304335	1.50	<0.005
507.00	**End of DDH** **Number of samples: 293** **Number of QAQC samples: 28** **Total sampled length: 438.00**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_82

Drilled by:	Major	Claims title:	L9986	Section:	
Described by:	Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	22/04/2014	Description date:	07/05/2014
		To:	28/04/2014		

Collar

Azimuth: 50.0°
Dip: -50.0°
Length: 438.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,400.015
North	0.0	0.000	5,331,600.107
Elevation	0.0	0.000	343.294

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	50.0°	-50.0°	No	
ReflexEZS	141.00	44.0°	-55.2°	No	Mag = 55388
ReflexEZS	201.00	48.0°	-55.8°	No	Mag = 54524
ReflexEZS	261.00	51.2°	-56.6°	No	Mag = 53796
ReflexEZS	321.00	53.3°	-58.0°	No	Mag = 54106
ReflexEZS	381.00	52.3°	-58.9°	No	Mag = 54222

Description

Re-logged Aug 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	126.94	OVB **Overburden** 126.94m of overburden. 126m of casing.					
126.94	203.00	V4; FlBand; Fol **Trachyte; FLOWBANDED; Foliated** Dark grey/black fine grained flowbanded trachyte flows with occasional tuffaceous intervals up hole that exhibit weak to strong foliation and localized crenulations. Flow banding is ~45 dtca up hole but becomes parallel tca around 146m. Strong pervasive calcitic alteration, weak to locally moderate fracture-controlled chloritic alteration and narrow (10-30cm) patches of potassic alteration contain up to 5% disseminated py. Weakly (in potassic intervals) to strongly magnetic. 1-2% qtz/calcite +/- chlorite +/- potassic altered veining with occasional intervals of higher concentration. Generally trace py but locally up to 5% associated with potassic alteration.					
126.94	348.00	Ca03; Cl02; K01 **Calcite 3; Chlorite 2; Potassic 1** Strong pervasive calcitic alteration, weak to locally moderate fracture-controlled chloritic alteration with patches and vein-controlled potassic alteration.					
126.94	368.82	Fln **Foliation 60°** Intermittent moderate to strong foliationat 45-75 dtca with localized crenulations associated with tuffaceous intervals intercalated with the trachyte flows.	126.94	128.00	Q208512	1.06	0.005
126.94	137.30	Vn;5%;Qca;Ra;;Py00.1; **vein (5 mm - 10 cm) 5% random** Qtz/calcite +/- chlorite +/- potassic alteration veining.					
127.30	127.50	Py03 **Pyrite 3%** 3% finely disseminated py.	128.00 129.00	129.00 130.50	Q208513 Q208514	1.00 1.50	0.008 0.02
129.80	131.50	Py02 **Pyrite 2%** 2% finely disseminated py.	130.50 132.00 133.50	132.00 133.50 135.00	Q208515 Q208516 Q208517	1.50 1.50 1.50	0.019 0.01 <0.005
134.80	135.00	Py02 **Pyrite 2%** 2% finely disseminated py.	135.00 136.50 138.00	136.50 138.00 139.50	Q208518 Q208519 Q208520	1.50 1.50 1.50	<0.005 <0.005 0.016
138.40	139.10	Py03 **Pyrite 3%** 3% finely disseminated py.	139.50	141.00	Q208521	1.50	0.012
139.70	140.30	Py05 **Pyrite 5%** 5% finely disseminated py.	141.00	142.50	Q208522	1.50	<0.005
142.40	145.50	Py03	142.50	144.00	Q208523	1.50	0.023

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 3%	144.00	145.50	Q208524	1.50	0.014
		3% finely disseminated py.					
145.50	150.30	Py00.5	145.50	147.00	Q208527	1.50	0.012
		Pyrite 0.5%	147.00	148.50	Q208528	1.50	<0.005
		0.5% finely disseminated py.	148.50	150.00	Q208529	1.50	0.014
			150.00	151.50	Q208530	1.50	0.034
150.30	150.80	Py02	151.50	153.00	Q208531	1.50	0.024
		Pyrite 2%	153.00	154.50	Q208532	1.50	0.009
		2% finely disseminated py.	154.50	156.00	Q208533	1.50	0.01
155.60	160.00	Py01	156.00	157.50	Q208534	1.50	0.065
		Pyrite 1%	157.50	159.00	Q208535	1.50	0.024
		1% finely disseminated py.	159.00	160.50	Q208536	1.50	0.015
			160.50	162.00	Q208537	1.50	<0.005
			162.00	163.50	Q208538	1.50	0.01
163.00	163.70	Py01	163.50	165.00	Q208539	1.50	0.009
		Pyrite 1%	165.00	166.50	Q208540	1.50	0.006
		1% finely disseminated py.	166.50	168.00	Q208541	1.50	<0.005
			168.00	169.50	Q208542	1.50	0.005
168.30	168.50	Py02; Py	169.50	171.00	Q208543	1.50	0.013
		Pyrite 2%; Pyrite					
		2% finely disseminated py.					
170.60	170.80	Py02	171.00	172.50	Q208544	1.50	<0.005
		Pyrite 2%	172.50	174.00	Q208545	1.50	<0.005
		2% finely disseminated py.					
173.70	174.00	Py02	174.00	175.50	Q208546	1.50	<0.005
		Pyrite 2%	175.50	177.00	Q208547	1.50	0.005
		2% finely disseminated py.	177.00	178.50	Q208548	1.50	0.008
178.30	179.10	Py02	178.50	180.00	Q208549	1.50	<0.005
		Pyrite 2%	180.00	181.50	Q208552	1.50	<0.005
		2% finely disseminated py.	181.50	183.00	Q208553	1.50	0.005
			183.00	184.50	Q208554	1.50	0.006
			184.50	186.00	Q208555	1.50	0.008
			186.00	187.50	Q208556	1.50	<0.005
186.50	187.00	Py02	187.50	189.00	Q208557	1.50	0.01
		Pyrite 2%	189.00	190.50	Q208558	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		2% finely disseminated py.	190.50	192.00	Q208559	1.50	<0.005
			192.00	193.50	Q208560	1.50	<0.005
			193.50	195.00	Q208561	1.50	<0.005
			195.00	196.50	Q208562	1.50	<0.005
			196.50	198.00	Q208563	1.50	0.005
			198.00	199.50	Q208564	1.50	<0.005
			199.50	201.00	Q208565	1.50	<0.005
			201.00	202.50	Q208566	1.50	<0.005
202.00	213.20	Vn;2%;Qca;Ra;;Py00.1;	202.50	204.00	Q208567	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-calcite random Pyrite 0.1%					
		Qtz/calcite +/- chlorite +/- potassic alteration veining.					
203.00	228.00	V4; Mass	204.00	205.50	Q208568	1.50	<0.005
		Trachyte; Massive	205.50	207.00	Q208569	1.50	<0.005
		Dark grey/black fine grained generally massive trachyte. Strong pervasive calcitic alteration, moderate	207.00	208.50	Q208570	1.50	<0.005
		fracture-controlled chloritic alteration and a weak (vein-controlled) potassic alteration. Moderately to strongly	208.50	210.00	Q208571	1.50	0.005
		magnetic. 1-2% calcite/qtz/k-spar veining at various angles. Generally trace py but locally up to 1-2%	210.00	211.50	Q208572	1.50	0.011
		associated with py stringers.	211.50	213.00	Q208573	1.50	<0.005
			213.00	214.50	Q208574	1.50	<0.005
214.00	216.50	Py01	214.50	216.00	Q208577	1.50	0.024
		Pyrite 1%	216.00	217.50	Q208578	1.50	0.01
		1% finely disseminated py.	217.50	219.00	Q208579	1.50	<0.005
219.00	220.00	Vn;10%;Qca;Ra;;Py00.1;	219.00	220.50	Q208580	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-calcite random Pyrite 0.1%	220.50	222.00	Q208581	1.50	<0.005
		Qtz/calcite +/- chlorite +/- potassic alteration veining.					
221.00	222.00	Py01	222.00	223.50	Q208582	1.50	<0.005
		Pyrite 1%	223.50	225.00	Q208583	1.50	<0.005
		1% finely disseminated py.					
225.00	231.50	Vn;2%;Qca;Ra;;Py00.1;	225.00	226.50	Q208584	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-calcite random Pyrite 0.1%	226.50	228.00	Q208585	1.50	<0.005
		Qtz/calcite +/- chlorite +/- potassic alteration veining.					
228.00	368.82	V4; FlBand; Fol	228.00	229.50	Q208586	1.50	0.006
		Trachyte; FLOWBANDED; Foliated					
		Dark grey/black fine grained sub-parallel tca flow banded trachyte with occasional massive intervals. Similar to					
		126.94-203m with a weak patchy epidote alteration that comes in around 348m..					
228.00	229.00	Py01					
		Pyrite 1%					
		1% finely disseminated py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
229.00	230.50	Py03	229.50	230.50	Q208587	1.00	0.013
		Pyrite 3%					
		3% finely disseminated py.					
230.50	231.70	Py05	230.50	231.60	Q208588	1.10	0.021
		Pyrite 5%	231.60	233.00	Q208589	1.40	0.008
		5% finely disseminated py.	233.00	234.00	Q208590	1.00	0.009
			234.00	235.50	Q208591	1.50	0.006
235.30	235.60	Py05	235.50	237.00	Q208592	1.50	<0.005
		Pyrite 5%	237.00	238.00	Q208593	1.00	0.006
		5% finely disseminated py.					
237.60	239.90	Py02	238.00	239.00	Q208594	1.00	0.011
		Pyrite 2%	239.00	240.00	Q208595	1.00	0.013
		2% finely disseminated py.	240.00	241.50	Q208596	1.50	<0.005
			241.50	243.00	Q208597	1.50	<0.005
			243.00	244.00	Q208598	1.00	0.014
243.60	243.90	Py02					
		Pyrite 2%					
		2% finely disseminated py.					
243.90	244.30	Py05	244.00	245.00	Q208599	1.00	0.013
		Pyrite 5%					
		5% finely disseminated py.					
244.30	245.70	Py02	245.00	246.00	Q208602	1.00	0.014
		Pyrite 2%	246.00	247.50	Q208603	1.50	<0.005
		2% finely disseminated py.	247.50	249.00	Q208604	1.50	0.005
			249.00	250.50	Q208605	1.50	0.005
			250.50	252.00	Q208606	1.50	<0.005
			252.00	253.50	Q208607	1.50	<0.005
			253.50	255.00	Q208608	1.50	<0.005
			255.00	256.50	Q208609	1.50	<0.005
			256.50	258.00	Q208610	1.50	0.007
			258.00	259.50	Q208611	1.50	<0.005
			259.50	261.00	Q208612	1.50	<0.005
			261.00	262.50	Q208613	1.50	<0.005
			262.50	264.00	Q208614	1.50	<0.005
			264.00	265.50	Q208615	1.50	<0.005
			265.50	267.00	Q208616	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			267.00	268.50	Q208617	1.50	<0.005
			268.50	270.00	Q208618	1.50	<0.005
			270.00	271.50	Q208619	1.50	<0.005
			271.50	273.00	Q208620	1.50	<0.005
			273.00	274.50	Q208621	1.50	<0.005
			274.50	276.00	Q208622	1.50	<0.005
			276.00	277.50	Q208623	1.50	0.005
			277.50	279.00	Q208624	1.50	0.038
			279.00	280.50	Q208627	1.50	0.016
			280.50	282.00	Q208628	1.50	<0.005
			282.00	283.50	Q208629	1.50	<0.005
			283.50	285.00	Q208630	1.50	0.017
			285.00	286.50	Q208631	1.50	0.076
			286.50	288.00	Q208632	1.50	0.023
			288.00	289.50	Q208633	1.50	0.027
			289.50	291.00	Q208634	1.50	0.015
			291.00	292.50	Q208635	1.50	0.014
			292.50	294.00	Q208636	1.50	0.006
			294.00	295.50	Q208637	1.50	0.006
			295.50	297.00	Q208638	1.50	<0.005
			297.00	298.50	Q208639	1.50	<0.005
			298.50	300.00	Q208640	1.50	<0.005
			300.00	301.50	Q208641	1.50	<0.005
			301.50	303.00	Q208642	1.50	0.012
			303.00	304.50	Q208643	1.50	<0.005
			304.50	306.00	Q208644	1.50	<0.005
306.00	309.80	Vn;2%;Ca;Ra;;Py00.1;	306.00	307.50	Q208645	1.50	<0.005
		vein (5 mm - 10 cm) 2% calcite random	307.50	309.00	Q208646	1.50	<0.005
		Qtz/calcite +/- chlorite +/- potassic alteration veining.	309.00	310.50	Q208647	1.50	<0.005
			310.50	312.00	Q208648	1.50	0.033
			312.00	313.50	Q208649	1.50	<0.005
			313.50	315.00	Q208652	1.50	<0.005
			315.00	316.50	Q208653	1.50	0.005
			316.50	318.00	Q208654	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			318.00	319.50	Q208655	1.50	0.012
			319.50	321.00	Q208656	1.50	0.008
			321.00	322.50	Q208657	1.50	0.006
322.50	328.20	Vn;2%;Ca;Ra;;Py00.1;	322.50	324.00	Q208658	1.50	0.045
		vein (5 mm - 10 cm) 2% calcite random Pyrite 0.1%	324.00	325.50	Q208659	1.50	0.006
		.	325.50	327.00	Q208660	1.50	0.008
			327.00	328.50	Q208661	1.50	0.01
			328.50	330.00	Q208662	1.50	0.01
			330.00	331.50	Q208663	1.50	0.006
			331.50	333.00	Q208664	1.50	0.008
			333.00	334.50	Q208665	1.50	0.012
			334.50	336.00	Q208666	1.50	0.016
			336.00	337.50	Q208667	1.50	0.019
			337.50	339.00	Q208668	1.50	0.013
			339.00	340.50	Q208669	1.50	<0.005
			340.50	342.00	Q208670	1.50	<0.005
			342.00	343.50	Q208671	1.50	<0.005
			343.50	345.00	Q208672	1.50	0.013
			345.00	346.50	Q208673	1.50	0.042
			346.50	348.00	Q208674	1.50	<0.005
			348.00	349.50	Q208677	1.50	<0.005
			349.50	351.00	Q208678	1.50	<0.005
			351.00	352.50	Q208679	1.50	<0.005
			352.50	354.00	Q208680	1.50	<0.005
			354.00	355.50	Q208681	1.50	<0.005
			355.50	357.00	Q208682	1.50	<0.005
			357.00	358.50	Q208683	1.50	<0.005
			358.50	360.00	Q208684	1.50	<0.005
			360.00	361.50	Q208685	1.50	<0.005
			361.50	363.00	Q208686	1.50	<0.005
			363.00	364.50	Q208687	1.50	0.176
			364.50	366.00	Q208688	1.50	0.005
			366.00	367.50	Q208689	1.50	<0.005
			367.50	369.00	Q208690	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
368.80	369.10	Vm;90%;Ca;;30°;Py00.1; **major vein (10 cm or greater) 90% calcite 30° Pyrite 0.1%** .					
368.82	438.00	3D; Mass **Diabase; Massive** Dark grey fine to medium grained diabase dyke. Gradational conatct around 431m where diabase becomes aphanitic with a soapy feel and intervals of porphyritic black amphibole phenocrysts. Weak ankeritic alteration. Weakly to moderately magnetic. 9cm wide calcite vein at 35 dtca forms sharp upper contact and has a cpy + py veinlet along the lower margin. Trace py.	369.00 370.50 372.00 373.50	370.50 372.00 373.50 375.00	Q208691 Q208692 Q208693 Q208694	1.50 1.50 1.50 1.50	<0.005 <0.005 <0.005 <0.005
434.10	434.32	Ctc Flt **Cataclastic Fault** Cataclastic fault with gouge.					
438.00		**End of DDH** **Number of samples: 169** **Number of QAQC samples: 14** **Total sampled length: 248.06**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_83

Drilled by:	Major	Claims title:	L9987	Section:	
Described by:	Reza Hosseinnejad	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	07/04/2014	Description date:	11/04/2014
		To:	13/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 566.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,403.275
North	0.0	0.000	5,332,252.535
Elevation	0.0	0.000	340.659

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	81.00	2.9°	-53.3°	No	Mag = 55607
ReflexEZS	141.00	1.8°	-53.2°	No	Mag = 54985
ReflexEZS	201.00	0.8°	-53.4°	No	Mag = 55402
ReflexEZS	261.00	358.2°	-53.3°	No	Mag = 54866
ReflexEZS	321.00	359.7°	-53.6°	No	Mag = 54601
ReflexEZS	381.00	1.7°	-53.9°	No	Mag = 54894
ReflexEZS	441.00	4.3°	-54.3°	No	Mag = 54625
ReflexEZS	501.00	5.8°	-54.7°	No	Mag = 54638
ReflexEZS	561.00	7.2°	-55.8°	No	Mag = 55104

Description

Re-logged by Mike Laliberty July 2014.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	69.00	OVB **Overburden** 69m of overburden.					
69.00	162.90	V4; Tuff **Trachyte; TUFF** Greenish grey, fine grained trachyte tuff. Weakly to moderately foliated at 30-70 dtca. Strong pervasive ankerite to 86m then grades into moderate to strong pervasive calcitic alteration. There is also a weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration. Non-magnetic to 81m then becomes moderately magnetic. 2-3% grey qtz with creamy white feldspar +/- ankerite veining above 86m then becomes 5% qtz/calcite +/- feldspar (albite? and/or k-spar) veins and veinlets that commonly exhibit crenulations and secondary folding. Pyrite mineralization is trace. From 96-115m there is a selective rusty orange yellow weathering/alteration of the carbonates in veins and gashes.	69.00	70.50	Q301091	1.50	0.011
			70.50	72.00	Q301092	1.50	0.02
			72.00	73.50	Q301093	1.50	0.019
			73.50	75.00	Q301094	1.50	0.014
			75.00	76.50	Q301095	1.50	0.013
			76.50	78.00	Q301096	1.50	<0.005
69.00	86.00	Ank03; Cl02; Se02 **Ankerite 3; Chlorite 2; Sericite 2** Strong pervasive ankerite, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration.					
69.00	115.50	Fln **Foliation 50°** Moderate to strong foliation at 30-75 dtca with common crenulations and secondary folding.					
77.00	81.60	Vn;2%;Qac;Vn;50°;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 50° Pyrite 0.1%** Qtz/ankerite/chlorite + feldspar (albite?) veining parallel to foliation at 30-75 dtca and trace py.	78.00	79.50	Q301097	1.50	<0.005
			79.50	81.00	Q301098	1.50	<0.005
			81.00	82.50	Q301099	1.50	<0.005
			82.50	84.00	Q301102	1.50	<0.005
			84.00	85.50	Q301103	1.50	<0.005
			85.50	87.00	Q301104	1.50	<0.005
86.00	162.90	Ca02; Cl02; Se02 **Calcite 2; Chlorite 2; Sericite 2** Moderate to strong pervasive calcitic alteration, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration.	87.00	88.50	Q301105	1.50	<0.005
			88.50	90.00	Q301106	1.50	<0.005
			90.00	91.50	Q301107	1.50	<0.005
			91.50	93.00	Q301108	1.50	<0.005
			93.00	94.50	Q301109	1.50	<0.005
			94.50	96.00	Q301110	1.50	<0.005
			96.00	97.50	Q301111	1.50	<0.005
			97.50	99.00	Q301112	1.50	<0.005
			99.00	100.50	Q301113	1.50	<0.005
			100.50	102.00	Q301114	1.50	<0.005
			102.00	103.50	Q301115	1.50	<0.005
			103.50	105.00	Q301116	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			105.00	106.50	Q301117	1.50	0.006
			106.50	108.00	Q301118	1.50	<0.005
107.00	110.90	Vn;2%;Qcc;Ra;;Py00.1;	108.00	109.50	Q301119	1.50	0.007
		vein (5 mm - 10 cm) 2% quartz-calcite-chlorite random Pyrite 0.1%	109.50	111.00	Q301120	1.50	<0.005
		Folded qtz/calcite/chlorite + feldspar (k-spar and albite) veining with trace py.	111.00	112.50	Q301121	1.50	<0.005
			112.50	114.00	Q301122	1.50	<0.005
			114.00	115.50	Q301123	1.50	0.005
115.50	115.60	Gg	115.50	117.00	Q301124	1.50	0.01
		Fault gouge 40°					
		10cm of fault gouge at 40 dtca.					
115.60	131.63	Fln	117.00	118.50	Q301127	1.50	<0.005
		Foliation 50°	118.50	120.00	Q301128	1.50	<0.005
		Moderate to strong foliation at 30-75 dtca with common crenulations and secondary folding.	120.00	121.50	Q301129	1.50	<0.005
			121.50	123.00	Q301130	1.50	<0.005
			123.00	124.50	Q301131	1.50	<0.005
			124.50	126.00	Q301132	1.50	<0.005
			126.00	127.50	Q301133	1.50	<0.005
			127.50	129.00	Q301134	1.50	<0.005
			129.00	130.50	Q301135	1.50	<0.005
			130.50	132.00	Q301136	1.50	<0.005
131.63	131.90	Gg					
		Fault gouge 50°					
		Fault gouge and microfractures parallel to foliation.					
131.90	155.65	Fln	132.00	133.50	Q301137	1.50	<0.005
		Foliation 50°	133.50	135.00	Q301138	1.50	<0.005
		Moderate to strong foliation at 30-75 dtca with common crenulations and secondary folding.	135.00	136.50	Q301139	1.50	<0.005
			136.50	138.00	Q301140	1.50	<0.005
			138.00	139.50	Q301141	1.50	<0.005
			139.50	141.00	Q301142	1.50	<0.005
			141.00	142.50	Q301143	1.50	<0.005
			142.50	144.00	Q301144	1.50	<0.005
			144.00	145.50	Q301145	1.50	<0.005
			145.50	147.00	Q301146	1.50	<0.005
			147.00	148.50	Q301147	1.50	<0.005
			148.50	150.00	Q301148	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			150.00	151.50	Q301149	1.50	<0.005
			151.50	153.00	Q301152	1.50	<0.005
			153.00	154.50	Q301153	1.50	<0.005
			154.50	156.00	Q301154	1.50	<0.005
155.65	155.68	Gg **Fault gouge 45°** 3cm of fault gouge at 45 dtca.					
155.68	161.35	Fln **Foliation 50°** Moderate to strong foliation at 30-75 dtca with common crenulations and secondary folding.	156.00	157.50	Q301155	1.50	<0.005
			157.50	159.00	Q301156	1.50	<0.005
			159.00	160.50	Q301157	1.50	<0.005
			160.50	162.00	Q301158	1.50	<0.005
161.35	161.40	Gg **Fault gouge 45°** 5cm wide fault gouge at 45 dtca.					
161.40	244.00	Fln **Foliation 50°** Moderate to strong foliation at 30-75 dtca with common crenulations and secondary folding.	162.00	163.50	Q301159	1.50	<0.005
162.90	166.20	V9L; Fol **Lapilli Tuff 40°; Foliated** Dark grey green to brownish medium green, weakly to moderately foliatated (40-85 dtca) lapilli tuff in a medium grained groundmass. Lapilli have been stretched parallel to foliation. Weak pervasive and vein-controlled ankerite, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration. Moderately magnetic. No veining to speak of. Trace py.					
162.90	216.45	Ank01; Cl02; Se01 **Ankerite 1; Chlorite 2; Sericite 1** Weak to moderate pervasive and vein-controlled ankerite, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration.	163.50	165.00	Q301160	1.50	0.007
			165.00	166.50	Q301161	1.50	0.019
166.20	169.50	V4GS; Fol **trachyte green spotted 45°; Foliated** Brownish-green, moderately to strongly foliated (35-50 dtca) trachyte with stretched (parallel to foliation) dark green altered leucite(?) phenocrysts in a fine grained groundmass. Weak pervasive ankerite, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration. Moderately magnetic. No veining. Trace py.	166.50	168.00	Q301162	1.50	<0.005
			168.00	169.50	Q301163	1.50	<0.005
169.50	192.20	V8; PyroTuff **Pyroclastic 75°; PYROCLASTIC (TUFFACEOUS)** Beige grey-green, weakly to moderately foliated (35-50 dtca) pyroclastic flow with matrix supported angular to subrounded pumice and volcanic clasts in a fine to medium grained groundmass. Weak pervasive and vein-controlled ankerite, weak to moderate fracture and foliation-controlled chloritic alteration and a weak to moderate foliation-controlled sericitic alteration. Between 186-190.5m tests for ankerite and calcite were	169.50	171.00	Q301164	1.50	0.014
			171.00	172.50	Q301165	1.50	<0.005
			172.50	174.00	Q301166	1.50	<0.005
			174.00	175.50	Q301167	1.50	0.015
			175.50	177.00	Q301168	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		non-reactive and there is a weak rusty orange alteration of what look to be carbonates. Moderately magnetic.					
		Negligable veining. Trace py.					
175.95	176.10	Vn;60%;Qak;;;Py00.1;					
		vein (5 mm - 10 cm) 60% quartz-ankerite Pyrite 0.1%					
		Qtz/ankerite + albite vein.					
176.50	176.65	Vn;50%;Qak;;;Py00.1;	177.00	178.50	Q301169	1.50	<0.005
		vein (5 mm - 10 cm) 50% quartz-ankerite Pyrite 0.1%					
		Qtz/ankerite + albite veining.					
177.60	177.68	Vn;80%;Qak;Vn;45°;Py00.1;	178.50	180.00	Q301170	1.50	0.01
		vein (5 mm - 10 cm) 80% quartz-ankerite vein parallel to foliation 45° Pyrite 0.1%	180.00	181.50	Q301171	1.50	0.005
		Qtz/ankerite/albite vein.	181.50	183.00	Q301172	1.50	0.016
			183.00	184.50	Q301173	1.50	0.01
			184.50	186.00	Q301174	1.50	<0.005
			186.00	187.50	Q301177	1.50	0.005
			187.50	189.00	Q301178	1.50	0.007
			189.00	190.50	Q301179	1.50	0.007
			190.50	192.00	Q301180	1.50	<0.005
			192.00	193.50	Q301181	1.50	0.006
192.20	198.70	V9L; Fol	193.50	195.00	Q301182	1.50	<0.005
		Lapilli Tuff 75°; Foliated	195.00	196.50	Q301183	1.50	0.007
		Similar to 162.9-166.2m with 2% narrow (<2cm wide) randomly oriented ankerite/chlorite with minor qtz veining.	196.50	198.00	Q301184	1.50	<0.005
			198.00	199.50	Q301185	1.50	<0.005
198.70	216.45	V4GS; Fol	199.50	201.00	Q301186	1.50	<0.005
		trachyte green spotted 45°; Foliated	201.00	202.50	Q301187	1.50	<0.005
		Similar to 166.2-169.5m. Moderate foliation at 40-80 dtca with occasional massive intervals.	202.50	204.00	Q301188	1.50	<0.005
			204.00	205.50	Q301189	1.50	<0.005
			205.50	207.00	Q301190	1.50	<0.005
			207.00	208.50	Q301191	1.50	<0.005
207.55	207.60	Vn;90%;Qak;;;Py00.1;	208.50	210.00	Q301192	1.50	<0.005
		vein (5 mm - 10 cm) 90% quartz-ankerite Pyrite 0.1%					
		Albite + ankerite and qtz vein.					
209.50	209.60	Vn;50%;Qak;Vc;;Py00.1;	210.00	211.50	Q301193	1.50	0.005
		vein (5 mm - 10 cm) 50% quartz-ankerite vein cross-cutting foliation Pyrite 0.1%	211.50	213.00	Q301194	1.50	<0.005
		Qtz/ankerite with minor albite + k-spar. Moderate to strong chlorite and sericite around margins.	213.00	214.50	Q301195	1.50	<0.005
			214.50	216.00	Q301196	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			216.00	217.50	Q301197	1.50	<0.005
216.45	224.40	V4; Fol					
		Trachyte 85°; Foliated					
		Medium green with maroon intervals, weakly to moderately foliated (40-80 dtca) fine grained trachyte. Strong fracture and foliation-controlled chloritic alteration, moderate to strong pervasive ankeritic alteration, weak to moderate patchy and vein-controlled potassic alteration and a weak foliation-controlled sericitic alteration. Moderately magnetic. 5% ankerite +/- qtz and/or k-spar veinlets and fracture fill with occasional ankerite phenocrysts. Trace py.					
216.45	232.15	Cl03; Ank01; Se01; K01	217.50	219.00	Q301198	1.50	<0.005
		Chlorite 3; Ankerite 1; Sericite 1; Potassic 1	219.00	220.50	Q301199	1.50	<0.005
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration, weak to locally moderate foliation-controlled sericitic alteration and a weak patchy and locally moderate vein-controlled potassic alteration.	220.50	222.00	Q301202	1.50	0.005
			222.00	223.50	Q301203	1.50	<0.005
			223.50	225.00	Q301204	1.50	<0.005
216.45	220.80	Vn;10%;Qak;Vn;50°;Py00.1;					
		vein (5 mm - 10 cm) 10% quartz-ankerite vein parallel to foliation 50° Pyrite 0.1%					
		Commonly folded and deformed qtz/ankerite + albite and k-spar veining with moderate vein-controlled potassic alteration and trace py.					
224.40	225.40	V4GS; Fol	225.00	226.50	Q301205	1.50	<0.005
		trachyte green spotted 80°; Foliated					
		Similar to 162.9-166.2m.					
225.40	230.40	V4; Fol	226.50	228.00	Q301206	1.50	0.006
		Trachyte 50°; Foliated	228.00	229.50	Q301207	1.50	0.005
		Medium green fine grained trachyte similar to 216.45-224.4m with 3% ankerite veining fracture fill.	229.50	231.00	Q301208	1.50	<0.005
230.40	231.10	V4GS; Fol	231.00	232.50	Q301209	1.50	<0.005
		trachyte green spotted 45°; Foliated					
		Green spotted trachyte similar to 162.9-166.2m.					
231.10	232.15	V4; Fol					
		Trachyte 45°; Foliated					
		Trachyte similar to 216.45-224.4m.					
232.15	240.75	V4GS; Fol					
		trachyte green spotted 55°; Foliated					
		Green spotted trachyte similar to 162.9-166.2m.					
232.15	263.00	Cl03; Ank01; Ca01	232.50	234.00	Q301210	1.50	<0.005
		Chlorite 3; Ankerite 1; Calcite 1	234.00	235.50	Q301211	1.50	<0.005
		Moderate to strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration and an isolated weak fracture-controlled calcitic alteration.	235.50	237.00	Q301212	1.50	<0.005
			237.00	238.50	Q301213	1.50	0.005
			238.50	240.00	Q301214	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			240.00	241.50	Q301215	1.50	<0.005
240.75	248.60	V4; Fol	241.50	243.00	Q301216	1.50	0.005
		Trachyte 50°; Foliated	243.00	244.50	Q301217	1.50	0.005
		Dark grey-green fine grained trachyte with intermittent moderate foliation and intervals of hyaloclastite. Strong fracture and foliation-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration, weak foliation-controlled sericitic alteration and a rusty orange/brown weathering/alteration along fractures in hyaloclastite that fizzes with HCl. Moderately to strongly magnetic. 3% narrow (<1cm) ankerite veinlets generally parallel to foliation but in hayaloclastite intervals exhibit folding and mm offsets. Trace py.	244.50	246.00	Q301218	1.50	0.005
			246.00	247.50	Q301219	1.50	0.007
			247.50	249.00	Q301220	1.50	0.009
248.60	566.00	V4; PorFG	249.00	250.50	Q301221	1.50	<0.005
		Trachyte; PORPHYRITIC (FINE GROUNDMASS)	250.50	252.00	Q301222	1.50	0.013
		Brownish-grey/green fine grained trachyte porphyry with 10% anhedral ankerite phenocrysts generally 3mm or less. Occasional intervals have reduced (down to 1-2%) ankerite phenocrysts and visible magnetite grains. Isolated microfractured and weakly brecciated intervals throughout unit. Moderate to strong fracture-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration that becomes stronger around 369m and a weak patchy and locally moderate to strong (294-297m, 528-534.4m, 544.85-547m) vein and fracture-controlled potassic alteration. Weakly to moderately magnetic. <1% ankerite veinlets and fracture fills. Generally trace py but locally up to 0.5%.	252.00	253.50	Q301223	1.50	0.011
			253.50	255.00	Q301224	1.50	0.009
			255.00	256.50	Q301227	1.50	0.008
			256.50	258.00	Q301228	1.50	0.006
			258.00	259.50	Q301229	1.50	<0.005
			259.50	261.00	Q301230	1.50	<0.005
			261.00	262.50	Q301231	1.50	0.008
			262.50	264.00	Q301232	1.50	0.006
263.00	369.00	Cl03; Ank01; K01	264.00	265.50	Q301233	1.50	<0.005
		Chlorite 3; Ankerite 1; Potassic 1	265.50	267.00	Q301234	1.50	0.009
		Moderate to strong fracture-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration and a weak patchy and locally moderate to strong vein and fracture-controlled potassic alteration.	267.00	268.50	Q301235	1.50	0.008
			268.50	270.00	Q301236	1.50	0.007
			270.00	271.50	Q301237	1.50	<0.005
			271.50	273.00	Q301238	1.50	<0.005
			273.00	274.50	Q301239	1.50	<0.005
			274.50	276.00	Q301240	1.50	0.032
			276.00	277.50	Q301241	1.50	0.006
			277.50	279.00	Q301242	1.50	<0.005
			279.00	280.50	Q301243	1.50	0.009
			280.50	282.00	Q301244	1.50	<0.005
			282.00	283.50	Q301245	1.50	0.008
			283.50	285.00	Q301246	1.50	0.017
			285.00	286.50	Q301247	1.50	0.021
			286.50	288.00	Q301248	1.50	0.009
			288.00	289.50	Q301249	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
			289.50	291.00	Q301252	1.50	<0.005
			291.00	292.50	Q301253	1.50	<0.005
			292.50	294.00	Q301254	1.50	0.012
			294.00	295.50	Q301255	1.50	0.013
295.50	295.80	Cp00.2	295.50	297.00	Q301256	1.50	0.011
		Chalcopyrite 0.2%	297.00	298.50	Q301257	1.50	<0.005
		0.2% chalcopyrite.	298.50	300.00	Q301258	1.50	<0.005
			300.00	301.50	Q301259	1.50	<0.005
			301.50	303.00	Q301260	1.50	0.005
			303.00	304.50	Q301261	1.50	0.015
			304.50	306.00	Q301262	1.50	0.05
			306.00	307.50	Q301263	1.50	0.023
			307.50	309.00	Q301264	1.50	0.012
			309.00	310.50	Q301265	1.50	0.025
			310.50	312.00	Q301266	1.50	0.034
			312.00	313.50	Q301267	1.50	0.051
			313.50	315.00	Q301268	1.50	0.064
			315.00	316.50	Q301269	1.50	0.042
			316.50	318.00	Q301270	1.50	0.047
			318.00	319.50	Q301271	1.50	0.1
			319.50	321.00	Q301272	1.50	0.076
			321.00	322.50	Q301273	1.50	0.038
			322.50	324.00	Q301274	1.50	0.022
			324.00	325.50	Q301277	1.50	0.02
			325.50	327.00	Q301278	1.50	0.019
			327.00	328.50	Q301279	1.50	0.045
			328.50	330.00	Q301280	1.50	0.023
			330.00	331.50	Q301281	1.50	0.041
			331.50	333.00	Q301282	1.50	0.02
			333.00	334.50	Q301283	1.50	0.019
			334.50	336.00	Q301284	1.50	0.011
334.75	335.00	Gg	336.00	337.50	Q301285	1.50	0.005
		Fault gouge 45°					
		Gouge and gouge covered rbble at 45 dtca.					

Description			Assay				
			From	To	Sample number	Length	AuBest
336.70	337.30	Ctc Flt	337.50	339.00	Q301286	1.50	<0.005
		Cataclastic Fault 45°	339.00	340.50	Q301287	1.50	<0.005
		Rubble with minor fault gouge at 45 dtca.	340.50	342.00	Q301288	1.50	<0.005
			342.00	343.50	Q301289	1.50	<0.005
			343.50	345.00	Q301290	1.50	<0.005
			345.00	346.50	Q301291	1.50	0.005
			346.50	348.00	Q301292	1.50	0.011
			348.00	349.50	Q301293	1.50	0.053
			349.50	351.00	Q301294	1.50	0.022
			351.00	352.50	Q301295	1.50	0.009
			352.50	354.00	Q301296	1.50	0.011
			354.00	355.50	Q301297	1.50	0.032
			355.50	357.00	Q301298	1.50	0.046
			357.00	358.50	Q301299	1.50	0.019
			358.50	360.00	Q301302	1.50	0.025
			360.00	361.50	Q301303	1.50	0.043
			361.50	363.00	Q301304	1.50	0.082
			363.00	364.50	Q301305	1.50	0.159
			364.50	366.00	Q301306	1.50	0.019
			366.00	367.50	Q301307	1.50	0.069
			367.50	369.00	Q301308	1.50	0.018
369.00	528.00	Cl02; Ank02; K01	369.00	370.50	Q301309	1.50	0.018
		Chlorite 2; Ankerite 2; Potassic 1	370.50	372.00	Q301310	1.50	0.156
		Moderate to strong fracture-controlled chloritic alteration, Moderate to strong pervasive ankeritic alteration and a weak patchy and locally moderate to strong vein and fracture-controlled potassic alteration.	372.00	373.50	Q301311	1.50	0.122
			373.50	375.00	Q301312	1.50	0.106
375.00	381.00	Py00.5	375.00	376.50	Q301313	1.50	0.126
		Pyrite 0.5%	376.50	378.00	Q301314	1.50	0.063
		0.5% finely disseminated py.	378.00	379.50	Q301315	1.50	0.056
			379.50	381.00	Q301316	1.50	0.049
			381.00	382.50	Q301317	1.50	0.047
			382.50	384.00	Q301318	1.50	0.087
			384.00	385.50	Q301319	1.50	0.035
			385.50	387.00	Q301320	1.50	0.047
			387.00	388.50	Q301321	1.50	0.057

Description			Assay				
			From	To	Sample number	Length	AuBest
			388.50	390.00	Q301322	1.50	0.034
388.80	389.75	FP; PorCG	390.00	391.50	Q301323	1.50	0.021
		Feldspar Porphyry 85°; PORPHYRITIC (COARSE GROUNDMASS)					
		Brownish-grey/green feldspar porphyry dike with sharp contacts at 85/65 dtca. 50-60% sub to euhedral feldspar phenocrysts (up to 3mm) in a coarse grained groundmass. The majority of the feldspars have been at least partially if not completely replaced by ankerite. There are also round red phenocrysts (3-5% and up to 5mm) with dark alteration rims. Strong pervasive ankeritic alteration, moderate patchy chloritic alteration and a weak patchy potassic alteration. Non to weakly magnetic. No veining and trace py.					
390.90	394.00	FP; PorCG	391.50	393.00	Q301324	1.50	0.009
		Feldspar Porphyry 55°; PORPHYRITIC (COARSE GROUNDMASS)	393.00	394.50	Q301327	1.50	0.027
		Very similar to 388.8-389.75m feldspar porphyry dyke with sharp contacts at 55/85 dtca. The trachyte interval (25cm wide) between the two dykes may just be a xenolith since the upper contact angle of the first dyke is the same as the lower contact angle of the second dyke.	394.50	396.00	Q301328	1.50	0.032
			396.00	397.50	Q301329	1.50	0.026
			397.50	399.00	Q301330	1.50	0.023
			399.00	400.50	Q301331	1.50	0.025
			400.50	402.00	Q301332	1.50	0.018
			402.00	403.50	Q301333	1.50	0.03
			403.50	405.00	Q301334	1.50	0.028
			405.00	406.50	Q301335	1.50	0.035
			406.50	408.00	Q301336	1.50	0.035
			408.00	409.50	Q301337	1.50	0.025
			409.50	411.00	Q301338	1.50	0.034
			411.00	412.50	Q301339	1.50	0.04
			412.50	414.00	Q301340	1.50	0.018
			414.00	415.50	Q301341	1.50	0.03
			415.50	417.00	Q301342	1.50	0.022
			417.00	418.50	Q301343	1.50	0.041
			418.50	420.00	Q301344	1.50	0.035
			420.00	421.50	Q301345	1.50	0.018
			421.50	423.00	Q301346	1.50	0.02
			423.00	424.50	Q301347	1.50	0.021
			424.50	426.00	Q301348	1.50	0.018
			426.00	427.50	Q301349	1.50	0.029
			427.50	429.00	Q301352	1.50	0.027
			429.00	430.50	Q301353	1.50	0.044

Description			Assay				
			From	To	Sample number	Length	AuBest
			430.50	432.00	Q301354	1.50	0.016
			432.00	433.50	Q301355	1.50	0.009
			433.50	435.00	Q301356	1.50	0.024
			435.00	436.50	Q301357	1.50	0.016
			436.50	438.00	Q301358	1.50	0.018
			438.00	439.50	Q301359	1.50	0.022
			439.50	441.00	Q301360	1.50	0.02
			441.00	442.50	Q301361	1.50	0.014
			442.50	444.00	Q301362	1.50	0.02
			444.00	445.50	Q301363	1.50	0.031
			445.50	447.00	Q301364	1.50	0.025
			447.00	448.50	Q301365	1.50	0.019
			448.50	450.00	Q301366	1.50	0.026
			450.00	451.50	Q301367	1.50	0.64
			451.50	453.00	Q301368	1.50	0.011
			453.00	454.50	Q301369	1.50	0.02
			454.50	456.00	Q301370	1.50	0.016
			456.00	457.50	Q301371	1.50	0.012
			457.50	459.00	Q301372	1.50	0.007
			459.00	460.50	Q301373	1.50	0.014
			460.50	462.00	Q301374	1.50	0.016
			462.00	463.50	Q301377	1.50	0.026
			463.50	465.00	Q301378	1.50	<0.005
			465.00	466.50	Q301379	1.50	0.008
			466.50	468.00	Q301380	1.50	0.007
			468.00	469.50	Q301381	1.50	0.012
468.35	469.10	FP; PorFG	469.50	471.00	Q301382	1.50	0.028
		Feldspar Porphyry 40°; PORPHYRITIC (FINE GROUNDMASS)					
		Brownish to deep maroon syenite/feldspar porphyry dyke with 50-60% sub to euhedral feldspar phenocrysts in a fine grained groundmass. Most of the feldspars have been replaced/altered by ankerite. Strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration and a moderate patchy potassic alteration. Weakly to moderately magnetic. Veining consists of ankerite and chlorite (micro)fracture fill. Trace py. Sharp contacts at 40/45 dtca.					
469.80	471.27	FP; PorFG	471.00	472.50	Q301383	1.50	0.009
		Feldspar Porphyry 55°; PORPHYRITIC (FINE GROUNDMASS)	472.50	474.00	Q301384	1.50	0.008
		Very similar to 468.35-469.1m with sharp contacts at 55/70 dtca.					

Description	Assay				
	From	To	Sample number	Length	AuBest
	474.00	475.50	Q301385	1.50	0.08
	475.50	477.00	Q301386	1.50	0.027
	477.00	478.50	Q301387	1.50	0.052
	478.50	480.00	Q301388	1.50	0.02
	480.00	481.50	Q301389	1.50	0.015
	481.50	483.00	Q301390	1.50	0.026
	483.00	484.50	Q301391	1.50	0.033
	484.50	486.00	Q301392	1.50	0.023
	486.00	487.50	Q301393	1.50	0.012
	487.50	489.00	Q301394	1.50	0.028
	489.00	490.50	Q301395	1.50	0.033
	490.50	492.00	Q301396	1.50	0.02
	492.00	493.50	Q301397	1.50	0.025
	493.50	495.00	Q301398	1.50	0.007
	495.00	496.50	Q301399	1.50	<0.005
	496.50	498.00	Q301402	1.50	0.02
	498.00	499.50	Q301403	1.50	0.019
	499.50	501.00	Q301404	1.50	0.009
	501.00	502.50	Q301405	1.50	0.008
	502.50	504.00	Q301406	1.50	0.006
	504.00	505.50	Q301407	1.50	0.007
	505.50	507.00	Q301408	1.50	<0.005
	507.00	508.50	Q301409	1.50	0.008
	508.50	510.00	Q301410	1.50	<0.005
	510.00	511.50	Q301411	1.50	<0.005
	511.50	513.00	Q301412	1.50	<0.005
	513.00	514.50	Q301413	1.50	0.014
	514.50	516.00	Q301414	1.50	<0.005
	516.00	517.50	Q301415	1.50	0.007
	517.50	519.00	Q301416	1.50	0.005
	519.00	520.50	Q301417	1.50	0.006
	520.50	522.00	Q301418	1.50	0.005
	522.00	523.50	Q301419	1.50	<0.005
	523.50	525.00	Q301420	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			525.00	526.50	Q301421	1.50	0.005
			526.50	528.00	Q301422	1.50	0.005
528.00	534.40	K03; Ank02; Cl01	528.00	529.50	Q301423	1.50	0.024
		Potassic 3; Ankerite 2; Chlorite 1					
		Stong fracture-controlled potassic alteration, moderate to strong pervasive ankeritic alteration, and a weak to moderate fracture-controlled chloritic alteration.					
529.10	533.50	FP; PorFG	529.50	531.00	Q301424	1.50	0.018
		Feldspar Porphyry 85°; PORPHYRITIC (FINE GROUNDMASS)	531.00	532.50	Q301427	1.50	0.011
		Brownish to deep maroon syenite/feldspar porphyry dyke with 20-30% anhedral feldspar phenocrysts in a fine grained groundmass. Most of the feldspars have been replaced/altered by ankerite and commonly have reddish alteration rims indicating potassic alteration came after the ankerite. Strong pervasive ankeritic alteration, weak to moderate fracture-controlled chloritic alteration and a moderate to strong fracture-controlled potassic alteration. Weakly to moderately magnetic. Veining consists of ankerite and chlorite (micro)fracture fill. Trace py. Sharp contacts at 85/40 dtca.	532.50	534.00	Q301428	1.50	0.02
533.50	534.75	Py00.5	534.00	535.50	Q301429	1.50	0.014
		Pyrite 0.5%					
		0.5% disseminated py.					
534.40	544.80	Cl02; Ank02; K01	535.50	537.00	Q301430	1.50	<0.005
		Chlorite 2; Ankerite 2; Potassic 1	537.00	538.50	Q301431	1.50	0.021
		Moderate to strong fracture-controlled chloritic alteration, Moderate to strong pervasive ankeritic alteration and a weak patchy and locally moderate to strong vein and fracture-controlled potassic alteration.	538.50	540.00	Q301432	1.50	0.017
			540.00	541.50	Q301433	1.50	0.011
			541.50	543.00	Q301434	1.50	0.016
			543.00	544.50	Q301435	1.50	0.014
			544.50	546.00	Q301436	1.50	0.008
544.80	547.00	K03; Ank02; Cl01	546.00	547.50	Q301437	1.50	<0.005
		Potassic 3; Ankerite 2; Chlorite 1					
		Stong pervasive potassic alteration, moderate to strong pervasive ankeritic alteration, and a weak to moderate fracture-controlled chloritic alteration.					
547.00	566.00	Cl02; Ank01; K01	547.50	549.00	Q301438	1.50	0.008
		Chlorite 2; Ankerite 1; Potassic 1	549.00	550.50	Q301439	1.50	0.005
		Moderate to strong fracture-controlled chloritic alteration, weak to moderate pervasive ankeritic alteration and a weak patchy and locally moderate to strong vein and fracture-controlled potassic alteration.	550.50	552.00	Q301440	1.50	<0.005
			552.00	553.50	Q301441	1.50	0.011
			553.50	555.00	Q301442	1.50	0.024
			555.00	556.50	Q301443	1.50	0.024
			556.50	558.00	Q301444	1.50	0.012
			558.00	559.50	Q301445	1.50	<0.005
			559.50	561.00	Q301446	1.50	0.008

Description	Assay				
	From	To	Sample number	Length	AuBest
	561.00	562.50	Q301447	1.50	0.009
	562.50	564.00	Q301448	1.50	0.012
	564.00	566.00	Q301449	2.00	<0.005
566.00 **End of DDH** **Number of samples: 331** **Number of QAQC samples: 30** **Total sampled length: 497.00**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_84

Drilled by:	Major	Claims title:	L9690	Section:	
Described by:	Gilles KAMTA, relog-AJR	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	09/04/2014	Description date:	12/04/2014
		To:	12/04/2014		

Collar

Azimuth: 180.0°
Dip: -50.0°
Length: 444.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,091.324
North	0.0	0.000	5,331,835.614
Elevation	0.0	0.000	341.591

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	180.0°	-50.0°	No	
ReflexEZS	42.00	182.6°	-50.0°	No	Mag = 56143
ReflexEZS	102.00	181.9°	-50.1°	No	Mag = 55643
ReflexEZS	162.00	186.8°	-49.8°	No	Mag = 55666
ReflexEZS	222.00	188.3°	-49.9°	No	Mag = 54108
ReflexEZS	282.00	182.9°	-51.0°	No	Mag = 55542
ReflexEZS	342.00	177.0°	-49.7°	No	Mag = 55733
ReflexEZS	402.00	166.7°	-45.9°	Yes	Mag = 55938

Description

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	31.00	OVB **Overburden** ovb/casing					
31.00	68.10	V4; Per **Trachyte; PERLITIC** Red, aphanitic perlitic trachyte, potassic alteration, minor hairline ankerite +/- quartz veinlets, minor chlorite as fracture infill.	31.00	32.00	Q209132	1.00	0.186
			32.00	33.00	Q209133	1.00	0.237
			33.00	34.50	Q209134	1.50	1.165
			34.50	36.00	Q209135	1.50	0.356
			36.00	37.50	Q209136	1.50	0.377
			37.50	39.00	Q209137	1.50	0.562
			39.00	40.50	Q209138	1.50	0.231
			40.50	42.00	Q209139	1.50	1.03
			42.00	43.50	Q209140	1.50	1.065
			43.50	45.00	Q209141	1.50	0.756
			45.00	46.50	Q209142	1.50	0.346
			46.50	48.00	Q209143	1.50	0.163
31.00	47.70	K01 **Potassic 1** pervasive					
47.70	49.20	FTH **Flow Top/Hyaloclastite** Weakly magnetic, contains small fragments of red trachyte, moderately chloritic. Sharp contacts					
47.70	49.20	Cl01 **Chlorite 1** In devitrified chill margin	48.00	49.50	Q209144	1.50	0.135
49.20	59.00	K01 **Potassic 1** pervasive	49.50	51.00	Q209145	1.50	0.392
			51.00	52.50	Q209146	1.50	0.768
			52.50	54.00	Q209147	1.50	0.162
			54.00	55.50	Q209148	1.50	0.799
			55.50	57.00	Q209149	1.50	0.454
			57.00	58.50	Q209152	1.50	0.311
			58.50	60.00	Q209153	1.50	0.127
59.00	63.00	FTH **Flow Top/Hyaloclastite** Dark, aphanitic, contains small fragments of red trachyte, moderately magnetic. Chloritic					
59.00	63.00	Cl01 **Chlorite 1** in devitrified chill margin.	60.00	61.50	Q209154	1.50	0.177
			61.50	63.00	Q209155	1.50	0.104

Description			Assay				
			From	To	Sample number	Length	AuBest
63.00	147.43	Ank01; Cl01 **Ankerite 1; Chlorite 1** pervasive weak ankerite, dark green chlorite	63.00	64.50	Q209156	1.50	0.296
			64.50	66.00	Q209157	1.50	0.272
			66.00	67.50	Q209158	1.50	0.579
			67.50	69.00	Q209159	1.50	0.514
68.10	111.50	V4; Lithic **Trachyte; LITHIC** A chaotic appearing blend of red, subrounded to subangular fragments of aphanitic red trachyte and dark green aphanitic matrix and beige subrounded fragments of, presumably, trachyte in a brecciated flow. Unit is a trachyte flow, weak pervasive ankerite alteration with weak patchy magnetism. Few crosscutting veinlets/hairline stringers of ankerite and a red aphanitic material (potassic feldspar?).	69.00	70.50	Q209160	1.50	0.456
			70.50	72.00	Q209161	1.50	0.16
			72.00	73.50	Q209162	1.50	0.044
			73.50	75.00	Q209163	1.50	0.112
			75.00	76.50	Q209164	1.50	0.136
			76.50	78.00	Q209165	1.50	0.348
			78.00	79.50	Q209166	1.50	0.153
			79.50	81.00	Q209167	1.50	0.14
			81.00	82.50	Q209168	1.50	0.071
			82.50	84.00	Q209169	1.50	0.101
			84.00	85.50	Q209170	1.50	0.156
			85.50	87.00	Q209171	1.50	0.013
			87.00	88.50	Q209172	1.50	0.029
			88.50	90.00	Q209173	1.50	0.026
			90.00	91.50	Q209174	1.50	0.044
			91.50	93.00	Q209177	1.50	0.01
			93.00	94.50	Q209178	1.50	0.009
			94.50	96.00	Q209179	1.50	0.02
			96.00	97.50	Q209180	1.50	0.134
			97.50	99.00	Q209181	1.50	0.254
			99.00	100.50	Q209182	1.50	0.031
			100.50	102.00	Q209183	1.50	0.443
			102.00	103.50	Q209184	1.50	1.055
			103.50	105.00	Q209185	1.50	0.091
			105.00	106.50	Q209186	1.50	0.264
			106.50	108.00	Q209187	1.50	0.03
			108.00	109.50	Q209188	1.50	0.101
			109.50	111.00	Q209189	1.50	0.011
			111.00	112.50	Q209190	1.50	0.018
111.50	131.25	V4; FIBand	112.50	114.00	Q209191	1.50	0.01

Description				Assay				
				From	To	Sample number	Length	AuBest
		Trachyte; FLOWBANDED		114.00	115.50	Q209192	1.50	0.01
		Green, pervasive ankerite and light green chlorite alteration of a flowbanded aphanitic trachyte with transitional upper and lower contacts.		115.50	117.00	Q209193	1.50	0.284
				117.00	118.50	Q209194	1.50	0.081
				118.50	120.00	Q209195	1.50	0.033
				120.00	121.50	Q209196	1.50	0.012
				121.50	123.00	Q209197	1.50	0.047
				123.00	124.50	Q209198	1.50	0.023
				124.50	126.00	Q209199	1.50	0.01
				126.00	127.50	Q209202	1.50	0.017
				127.50	129.00	Q209203	1.50	0.005
				129.00	130.50	Q209204	1.50	<0.005
				130.50	132.00	Q209205	1.50	0.089
131.25	192.80	V4; Lithic		132.00	133.50	Q209206	1.50	0.033
		Trachyte; LITHIC		133.50	135.00	Q209207	1.50	0.036
		Green and red mottled aphanitic flowbanded lithic trachyte. Unit has subrounded to angular, small (mm scale to up to 5cm) fragments, some green and some are red. Interfragment material is a dark, aphanitic and chloritic. Unit is weakly magnetic. Patchy zones of potassic alteration are present, though rare. Unit is crosscut by hairline to few mm wide ankerite veinlets at varying angles, often crenulated.		135.00	136.50	Q209208	1.50	0.042
				136.50	138.00	Q209209	1.50	0.022
				138.00	139.50	Q209210	1.50	0.032
				139.50	141.00	Q209211	1.50	0.14
				141.00	142.50	Q209212	1.50	0.051
				142.50	144.00	Q209213	1.50	0.049
				144.00	145.50	Q209214	1.50	0.125
				145.50	147.00	Q209215	1.50	0.026
				147.00	148.50	Q209216	1.50	0.021
147.43	149.20	K01; Ank01		148.50	150.00	Q209217	1.50	0.018
		Potassic 1; Ankerite 1						
		pervasive						
149.20	163.60	Ank01; Cl01		150.00	151.50	Q209218	1.50	0.014
		Ankerite 1; Chlorite 1		151.50	153.00	Q209219	1.50	0.03
		pervasive		153.00	154.50	Q209220	1.50	0.056
				154.50	156.00	Q209221	1.50	0.015
				156.00	157.50	Q209222	1.50	0.008
				157.50	159.00	Q209223	1.50	0.051
				159.00	160.50	Q209224	1.50	0.027
				160.50	162.00	Q209227	1.50	0.02

Description			Assay				
			From	To	Sample number	Length	AuBest
			162.00	163.50	Q209228	1.50	0.011
			163.50	165.00	Q209229	1.50	0.06
163.60	169.30	K01; Ank01	165.00	166.50	Q209230	1.50	0.061
		Potassic 1; Ankerite 1	166.50	168.00	Q209231	1.50	0.029
		pervasive	168.00	169.50	Q209232	1.50	2.78
169.30	178.80	Ank01	169.50	171.00	Q209233	1.50	0.007
		Ankerite 1	171.00	172.50	Q209234	1.50	0.006
		pervasive	172.50	174.00	Q209235	1.50	<0.005
			174.00	175.50	Q209236	1.50	0.02
			175.50	177.00	Q209237	1.50	0.006
			177.00	178.50	Q209238	1.50	0.005
			178.50	180.00	Q209239	1.50	0.137
178.80	184.16	K01; Ank01					
		Potassic 1; Ankerite 1					
		pervasive potassic, ankerite associated with veins.					
178.80	184.16	Vn;40%;Ak;In;;;	180.00	181.50	Q209240	1.50	0.278
		vein (5 mm - 10 cm) 40% ankerite infilled fractures	181.50	183.00	Q209241	1.50	0.284
		Ankerite vein zone, appears to be mostly fracture fill. Hairline to up to 1cm individual vein width. Random orientation with respect to core angle.	183.00	184.50	Q209242	1.50	0.051
184.16	189.90	Ank01; Cl01	184.50	186.00	Q209243	1.50	0.026
		Ankerite 1; Chlorite 1	186.00	187.50	Q209244	1.50	0.022
		pervasive ankerite, chlorite altering matrix.	187.50	189.00	Q209245	1.50	0.006
			189.00	190.50	Q209246	1.50	0.01
189.90	192.80	K01	190.50	192.00	Q209247	1.50	0.007
		Potassic 1	192.00	193.50	Q209248	1.50	0.005
		pervasive					
192.80	196.00	DYKE					
		Dyke 30°					
		Diabase dyke, fine grained, pervasive weak ankeritization, brecciated upper contact, sharp lower contact 30TCA.					
192.80	196.00	Ank01; Cl01	193.50	195.00	Q209249	1.50	<0.005
		Ankerite 1; Chlorite 1	195.00	196.50	Q209252	1.50	<0.005
		pervasive					
196.00	254.35	V4; FlBand	196.50	198.00	Q209253	1.50	0.006
		Trachyte; FLOWBANDED	198.00	199.50	Q209254	1.50	0.013
		Greenish, aphanitic, flowbanded trachyte with patchy pervasive ankerite and potassic alteration. Rare reddish, aphanitic subrounded fragments of trachyte observed in unit. Unit crosscut by hairline veinlets of ankerite.	199.50	201.00	Q209255	1.50	0.029

Description			Assay				
			From	To	Sample number	Length	AuBest
			201.00	202.50	Q209256	1.50	0.052
			202.50	204.00	Q209257	1.50	0.023
			204.00	205.50	Q209258	1.50	0.012
			205.50	207.00	Q209259	1.50	0.006
			207.00	208.50	Q209260	1.50	<0.005
			208.50	210.00	Q209261	1.50	0.005
			210.00	211.50	Q209262	1.50	<0.005
			211.50	213.00	Q209263	1.50	0.016
			213.00	214.50	Q209264	1.50	0.049
			214.50	216.00	Q209265	1.50	0.018
			216.00	217.50	Q209266	1.50	0.018
			217.50	219.00	Q209267	1.50	0.022
196.00	217.70	Ank01					
		Ankerite 1					
		pervasive					
217.70	220.55	K01					
		Potassic 1					
		pervasive					
217.75	220.55	Vn;30%;Ak;In;;;	219.00	220.50	Q209268	1.50	0.018
		vein (5 mm - 10 cm) 30% ankerite infilled fractures	220.50	222.00	Q209269	1.50	<0.005
		Ankerite veinlet zone, appear to be as fracture infill.					
220.55	310.40	Ank01	222.00	223.50	Q209270	1.50	0.007
		Ankerite 1	223.50	225.00	Q209271	1.50	0.011
		pervasive	225.00	226.50	Q209272	1.50	0.007
			226.50	228.00	Q209273	1.50	<0.005
			228.00	229.50	Q209274	1.50	<0.005
			229.50	231.00	Q209277	1.50	0.005
			231.00	232.50	Q209278	1.50	<0.005
			232.50	234.00	Q209279	1.50	<0.005
			234.00	235.50	Q209280	1.50	0.007
			235.50	237.00	Q209281	1.50	0.014
			237.00	238.50	Q209282	1.50	0.011
			238.50	240.00	Q209283	1.50	0.018
			240.00	241.50	Q209284	1.50	0.018
			241.50	243.00	Q209285	1.50	0.028

Description			Assay				
			From	To	Sample number	Length	AuBest
			243.00	244.50	Q209286	1.50	0.018
			244.50	246.00	Q209287	1.50	0.008
			246.00	247.50	Q209288	1.50	0.005
			247.50	249.00	Q209289	1.50	0.009
			249.00	250.50	Q209290	1.50	<0.005
			250.50	252.00	Q209291	1.50	<0.005
			252.00	253.50	Q209292	1.50	<0.005
			253.50	255.00	Q209293	1.50	<0.005
254.35	444.00	V4; PyroTuff	255.00	256.50	Q209294	1.50	<0.005
		Trachyte; PYROCLASTIC (TUFFACEOUS)	256.50	258.00	Q209295	1.50	<0.005
		Light green, weakly ankeritized and chloritic trachyte tuff. Unit contains few pumice clasts and rounded to	258.00	259.50	Q209296	1.50	<0.005
		subrounded aphanitic green and light pink trachyte (u to 40% small clasts, <1cm in size). Weak lamination	259.50	261.00	Q209297	1.50	<0.005
		developed - ~50TCA. Upper contact transitional.	261.00	262.50	Q209298	1.50	0.005
			262.50	264.00	Q209299	1.50	<0.005
			264.00	265.50	Q209302	1.50	<0.005
			265.50	267.00	Q209303	1.50	<0.005
			267.00	268.50	Q209304	1.50	<0.005
			268.50	270.00	Q209305	1.50	<0.005
			270.00	271.50	Q209306	1.50	<0.005
			271.50	273.00	Q209307	1.50	<0.005
			273.00	274.50	Q209308	1.50	<0.005
			274.50	276.00	Q209309	1.50	<0.005
			276.00	277.50	Q209310	1.50	<0.005
			277.50	279.00	Q209311	1.50	<0.005
			279.00	280.50	Q209312	1.50	<0.005
			280.50	282.00	Q209313	1.50	<0.005
			282.00	283.50	Q209314	1.50	<0.005
			283.50	285.00	Q209315	1.50	<0.005
			285.00	286.50	Q209316	1.50	<0.005
			286.50	288.00	Q209317	1.50	<0.005
			288.00	289.50	Q209318	1.50	<0.005
			289.50	291.00	Q209319	1.50	<0.005
			291.00	292.50	Q209320	1.50	<0.005
			292.50	294.00	Q209321	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			294.00	295.50	Q209322	1.50	<0.005
			295.50	297.00	Q209323	1.50	<0.005
			297.00	298.50	Q209324	1.50	<0.005
			298.50	300.00	Q209327	1.50	<0.005
			300.00	301.50	Q209328	1.50	<0.005
			301.50	303.00	Q209329	1.50	0.02
			303.00	304.50	Q209330	1.50	<0.005
			304.50	306.00	Q209331	1.50	<0.005
			306.00	307.50	Q209332	1.50	0.009
			307.50	309.00	Q209333	1.50	<0.005
			309.00	310.50	Q209334	1.50	0.096
309.74	310.40	Vm;70%;Ak;Sk;;;					
		major vein (10 cm or greater) 70% ankerite stockwork					
		Pink feldspar and ankerite vein.					
310.40	400.50	Cl01	310.50	312.00	Q209335	1.50	0.007
		Chlorite 1	312.00	313.50	Q209336	1.50	0.029
		light green, pervasive	313.50	315.00	Q209337	1.50	<0.005
			315.00	316.50	Q209338	1.50	<0.005
			316.50	318.00	Q209339	1.50	<0.005
			318.00	319.50	Q209340	1.50	<0.005
			319.50	321.00	Q209341	1.50	<0.005
			321.00	322.50	Q209342	1.50	0.007
			322.50	324.00	Q209343	1.50	<0.005
			324.00	325.50	Q209344	1.50	<0.005
			325.50	327.00	Q209345	1.50	<0.005
			327.00	328.50	Q209346	1.50	<0.005
			328.50	330.00	Q209347	1.50	<0.005
			330.00	331.50	Q209348	1.50	<0.005
			331.50	333.00	Q209349	1.50	<0.005
			333.00	334.50	Q209352	1.50	<0.005
			334.50	336.00	Q209353	1.50	<0.005
			336.00	337.50	Q209354	1.50	0.009
			337.50	339.00	Q209355	1.50	0.005
			339.00	340.50	Q209356	1.50	0.007
			340.50	342.00	Q209357	1.50	0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	342.00	343.50	Q209358	1.50	0.005
	343.50	345.00	Q209359	1.50	<0.005
	345.00	346.50	Q209360	1.50	0.006
	346.50	348.00	Q209361	1.50	<0.005
	348.00	349.50	Q209362	1.50	<0.005
	349.50	351.00	Q209363	1.50	0.005
	351.00	352.50	Q209364	1.50	<0.005
	352.50	354.00	Q209365	1.50	<0.005
	354.00	355.50	Q209366	1.50	0.005
	355.50	357.00	Q209367	1.50	<0.005
	357.00	358.50	Q209368	1.50	<0.005
	358.50	360.00	Q209369	1.50	<0.005
	360.00	361.50	Q209370	1.50	0.005
	361.50	363.00	Q209371	1.50	<0.005
	363.00	364.50	Q209372	1.50	<0.005
	364.50	366.00	Q209373	1.50	<0.005
	366.00	367.50	Q209374	1.50	<0.005
	367.50	369.00	Q209377	1.50	<0.005
	369.00	370.50	Q209378	1.50	0.006
	370.50	372.00	Q209379	1.50	<0.005
	372.00	373.50	Q209380	1.50	<0.005
	373.50	375.00	Q209381	1.50	0.006
	375.00	376.50	Q209382	1.50	0.006
	376.50	378.00	Q209383	1.50	0.007
	378.00	379.50	Q209384	1.50	0.012
	379.50	381.00	Q209385	1.50	0.006
	381.00	382.50	Q209386	1.50	0.005
	382.50	384.00	Q209387	1.50	0.008
	384.00	385.50	Q209388	1.50	<0.005
	385.50	387.00	Q209389	1.50	<0.005
	387.00	388.50	Q209390	1.50	<0.005
	388.50	390.00	Q209391	1.50	<0.005
	390.00	391.50	Q209392	1.50	<0.005
	391.50	393.00	Q209393	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			393.00	394.50	Q209394	1.50	<0.005
			394.50	396.00	Q209395	1.50	<0.005
			396.00	397.50	Q209396	1.50	<0.005
			397.50	399.00	Q209397	1.50	<0.005
			399.00	400.50	Q209398	1.50	<0.005
400.50	408.00	Ank01; Cl01	400.50	402.00	Q209399	1.50	<0.005
		Ankerite 1; Chlorite 1	402.00	403.50	Q209402	1.50	<0.005
		pervasive ankerite with light green chlorite	403.50	405.00	Q209403	1.50	<0.005
			405.00	406.50	Q209404	1.50	<0.005
			406.50	408.00	Q209405	1.50	<0.005
408.00	444.00	Cl01	408.00	409.50	Q209406	1.50	0.005
		Chlorite 1	409.50	411.00	Q209407	1.50	0.008
		light green, pervasive	411.00	412.50	Q209408	1.50	<0.005
			412.50	414.00	Q209409	1.50	<0.005
			414.00	415.50	Q209410	1.50	<0.005
			415.50	417.00	Q209411	1.50	<0.005
			417.00	418.50	Q209412	1.50	<0.005
			418.50	420.00	Q209413	1.50	<0.005
			420.00	421.50	Q209414	1.50	<0.005
			421.50	423.00	Q209415	1.50	<0.005
			423.00	424.50	Q209416	1.50	0.022
			424.50	426.00	Q209417	1.50	0.014
			426.00	427.50	Q209418	1.50	0.04
			427.50	429.00	Q209419	1.50	0.024
			429.00	430.50	Q209420	1.50	<0.005
			430.50	432.00	Q209421	1.50	<0.005
			432.00	433.50	Q209422	1.50	0.007
			433.50	435.00	Q209423	1.50	<0.005
			435.00	436.50	Q209424	1.50	<0.005
			436.50	438.00	Q209427	1.50	<0.005
			438.00	439.50	Q209428	1.50	<0.005
			439.50	441.00	Q209429	1.50	<0.005
			441.00	442.50	Q209430	1.50	<0.005
			442.50	444.00	Q209431	1.50	<0.005

444.00	End of DDH
	Number of samples: 276
	Number of QAQC samples: 24
	Total sampled length: 413.00

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_85

Drilled by:	Major	Claims title:	L9690	Section:	
Described by:	Gilles Kamta, relog-AJR	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	12/04/2014	Description date:	15/04/2014
		To:	22/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 654.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,091.145
North	0.0	0.000	5,331,840.027
Elevation	0.0	0.000	341.420

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	42.00	2.4°	-50.5°	No	Mag = 56046
ReflexEZS	102.00	4.0°	-50.5°	No	Mag = 55576
ReflexEZS	162.00	4.6°	-50.7°	No	Mag = 55544
ReflexEZS	222.00	7.3°	-51.2°	No	Mag = 55143
ReflexEZS	282.00	5.6°	-51.9°	No	Mag = 55630
ReflexEZS	342.00	7.7°	-53.0°	No	Mag = 55841
ReflexEZS	402.00	9.8°	-53.2°	No	Mag = 55630
ReflexEZS	465.00	11.8°	-53.8°	No	Mag = 55622
ReflexEZS	522.00	12.6°	-54.0°	No	Mag = 55490
ReflexEZS	582.00	17.2°	-54.2°	No	Mag =55311
ReflexEZS	642.00	22.8°	-53.9°	No	Mag = 55081

Description

The Hole start at 28 instead of 27 as indicated on the first bloc

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	28.00	OVB **Overburden** ovb/casing					
28.00	102.17	V4; Lithic **Trachyte; LITHIC** Red, aphanitic, pervasively potassic and ankeritic, lithic trachyte flows. Minor interflow hyaloclastite - darker greenish, chloritic and ankeritic with core angles ranging from 60 to 90 TCA. Unit is dominantly a fragmented red trachyte - mm to few cm scale red, glassy, subangular fragments of an autobrecciated trachyte with few subangular greyish to greenish fragments (up to 1-2% local). Individual fragments are often perlitic. Mineralization is weak and fine grained disseminated pyrite. Unit is weakly magnetic.	28.00	29.00	Q209432	1.00	0.098
			29.00	30.00	Q209433	1.00	0.404
			30.00	31.50	Q209434	1.50	0.252
			31.50	33.00	Q209435	1.50	0.281
			33.00	34.50	Q209436	1.50	0.153
			34.50	36.00	Q209437	1.50	0.231
			36.00	37.50	Q209438	1.50	0.144
			37.50	39.00	Q209439	1.50	0.127
			39.00	40.50	Q209440	1.50	0.134
			40.50	42.00	Q209441	1.50	0.093
			42.00	43.50	Q209442	1.50	0.097
			43.50	45.00	Q209443	1.50	0.117
			45.00	46.50	Q209444	1.50	0.172
			46.50	48.00	Q209445	1.50	0.213
			48.00	49.50	Q209446	1.50	0.156
			49.50	51.00	Q209447	1.50	0.121
			51.00	52.50	Q209448	1.50	0.128
			52.50	54.00	Q209449	1.50	0.187
			54.00	55.50	Q209452	1.50	0.175
			55.50	57.00	Q209453	1.50	0.159
			57.00	58.50	Q209454	1.50	0.16
			58.50	60.00	Q209455	1.50	0.101
			60.00	61.50	Q209456	1.50	0.096
			61.50	63.00	Q209457	1.50	0.053
			63.00	64.50	Q209458	1.50	0.014
28.00	63.30	K01; Ank01 **Potassic 1; Ankerite 1** pervasive					
63.30	65.07	FTH **Flow Top/Hyaloclastite** Dark grey/green, magnetic, ankerite and chlorite altered devitrified glassy chill margin.					
63.30	65.07	Ank01; Cl01 **Ankerite 1; Chlorite 1**	64.50	66.00	Q209459	1.50	0.04

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pervasive alteration of a devitrified chill margin.					
65.07	86.67	K01; Ank01	66.00	67.50	Q209460	1.50	0.142
		Potassic 1; Ankerite 1	67.50	69.00	Q209461	1.50	0.263
		pervasive	69.00	70.50	Q209462	1.50	0.098
			70.50	72.00	Q209463	1.50	0.116
			72.00	73.50	Q209464	1.50	0.214
			73.50	75.00	Q209465	1.50	0.046
			75.00	76.50	Q209466	1.50	0.093
			76.50	78.00	Q209467	1.50	0.028
			78.00	79.50	Q209468	1.50	0.047
			79.50	81.00	Q209469	1.50	0.184
			81.00	82.50	Q209470	1.50	0.497
			82.50	84.00	Q209471	1.50	0.106
			84.00	85.50	Q209472	1.50	0.204
			85.50	87.00	Q209473	1.50	0.062
86.67	90.14	FTH					
		Flow Top/Hyaloclastite					
		Grey/green, magnetic, ankerite and chlorite altered chill margin.					
86.67	90.14	Ank01; Cl01	87.00	88.50	Q209474	1.50	0.069
		Ankerite 1; Chlorite 1	88.50	90.00	Q209477	1.50	0.125
		pervasive, devitrified chill margin.	90.00	91.50	Q209478	1.50	0.104
90.14	178.90	K01; Ank01	91.50	93.00	Q209479	1.50	0.06
		Potassic 1; Ankerite 1	93.00	94.50	Q209480	1.50	0.04
		Potassic pervasive. Ankerite - weak and patchy.	94.50	96.00	Q209481	1.50	0.129
			96.00	97.50	Q209482	1.50	0.078
			97.50	99.00	Q209483	1.50	0.12
			99.00	100.50	Q209484	1.50	0.061
			100.50	102.00	Q209485	1.50	0.05
			102.00	103.50	Q209486	1.50	0.072
102.17	130.50	V4; FlBand	103.50	105.00	Q209487	1.50	0.059
		Trachyte; FLOWBANDED	105.00	106.50	Q209488	1.50	1.195
		Red, aphanitic, pervasively potassic and ankerite altered flowbanded trachyte. Chlorite along flow boundaries,	106.50	108.00	Q209489	1.50	0.237
		very thin - hairline. Weak pervasive magnetism. Weakly mineralized, trace disseminated pyrite. Lower contact	108.00	109.50	Q209490	1.50	0.594
		is a rubbly flow boundary with brecciation, angular clasts up to 1cm in average size with a chloritic dark matrix.	109.50	111.00	Q209491	1.50	0.66

Description			Assay				
			From	To	Sample number	Length	AuBest
			111.00	112.50	Q209492	1.50	0.126
			112.50	114.00	Q209493	1.50	0.118
			114.00	115.50	Q209494	1.50	0.137
			115.50	117.00	Q209495	1.50	0.107
			117.00	118.50	Q209496	1.50	0.165
			118.50	120.00	Q209497	1.50	0.084
			120.00	121.50	Q209498	1.50	0.444
			121.50	123.00	Q209499	1.50	0.11
			123.00	124.50	Q209502	1.50	0.307
			124.50	126.00	Q209503	1.50	0.431
			126.00	127.50	Q209504	1.50	0.062
			127.50	129.00	Q209505	1.50	0.039
			129.00	130.50	Q209506	1.50	0.036
130.50	190.87	V4; Per	130.50	132.00	Q209507	1.50	0.244
		Trachyte; PERLITIC	132.00	133.50	Q209508	1.50	0.291
		Red, aphanitic perlitic trachyte. Pervasive potassic and ankerite alteration. Weak magnetism. Few hairline crosscutting ankerite veinlets.	133.50	135.00	Q209509	1.50	0.225
			135.00	136.50	Q209510	1.50	0.205
			136.50	138.00	Q209511	1.50	0.273
			138.00	139.50	Q209512	1.50	0.132
			139.50	141.00	Q209513	1.50	0.103
			141.00	142.50	Q209514	1.50	0.185
			142.50	144.00	Q209515	1.50	0.122
			144.00	145.50	Q209516	1.50	0.225
			145.50	147.00	Q209517	1.50	0.504
			147.00	148.50	Q209518	1.50	0.099
			148.50	150.00	Q209519	1.50	0.262
			150.00	151.50	Q209520	1.50	0.104
			151.50	153.00	Q209521	1.50	0.07
			153.00	154.50	Q209522	1.50	0.147
			154.50	156.00	Q209523	1.50	0.113
			156.00	157.50	Q209524	1.50	0.144
			157.50	159.00	Q209527	1.50	0.091
			159.00	160.50	Q209528	1.50	0.08
			160.50	162.00	Q209529	1.50	0.057

Description				Assay				
				From	To	Sample number	Length	AuBest
				162.00	163.50	Q209530	1.50	0.036
				163.50	165.00	Q209531	1.50	0.02
				165.00	166.50	Q209532	1.50	0.034
				166.50	168.00	Q209533	1.50	0.011
				168.00	169.50	Q209534	1.50	0.049
				169.50	171.00	Q209535	1.50	0.162
				171.00	172.50	Q209536	1.50	1.595
				172.50	174.00	Q209537	1.50	0.995
				174.00	175.50	Q209538	1.50	1.59
				175.50	177.00	Q209539	1.50	0.827
				177.00	178.50	Q209540	1.50	2.58
				178.50	180.00	Q209541	1.50	1.715
				180.00	181.50	Q209542	1.50	1.53
				181.50	183.00	Q209543	1.50	0.65
				183.00	184.50	Q209544	1.50	0.484
				184.50	186.00	Q209545	1.50	0.934
				186.00	187.50	Q209546	1.50	0.894
				187.50	189.00	Q209547	1.50	0.38
				189.00	190.50	Q209548	1.50	0.297
				190.50	192.00	Q209549	1.50	0.783
130.50	158.83	FB						
		Flow Breccia						
		Brecciated flow boundary.						
190.87	227.90	V4; FlBand		192.00	193.50	Q209552	1.50	0.806
		Trachyte; FLOWBANDED		193.50	195.00	Q209553	1.50	0.391
		Greyish with pink patches, aphanitic, locally brecciated but overall a flowbanded trachyte with weak pervasive		195.00	196.50	Q209554	1.50	0.605
		ankerite alteration. Crosscutting hairline, randomly oriented chlorite seams. Upper contact transitional.						
196.00	200.00	Ank01		196.50	198.00	Q209555	1.50	0.952
		Ankerite 1		198.00	199.50	Q209556	1.50	0.397
		weak, pervasive		199.50	201.00	Q209557	1.50	1.05
				201.00	202.50	Q209558	1.50	1.05
				202.50	204.00	Q209559	1.50	0.649
				204.00	205.50	Q209560	1.50	0.394
				205.50	207.00	Q209561	1.50	0.518
				207.00	208.50	Q209562	1.50	0.802

Description			Assay				
			From	To	Sample number	Length	AuBest
			208.50	210.00	Q209563	1.50	0.11
			210.00	211.50	Q209564	1.50	0.438
			211.50	213.00	Q209565	1.50	0.273
			213.00	214.50	Q209566	1.50	0.129
			214.50	216.00	Q209567	1.50	0.076
			216.00	217.50	Q209568	1.50	0.097
			217.50	219.00	Q209569	1.50	0.108
			219.00	220.50	Q209570	1.50	0.081
			220.50	222.00	Q209571	1.50	0.04
221.60	227.90	K01	222.00	223.50	Q209572	1.50	0.013
		Potassic 1	223.50	225.00	Q209573	1.50	0.02
		Weak, patchy.	225.00	226.50	Q209574	1.50	0.036
			226.50	228.00	Q209577	1.50	0.017
227.90	302.35	V4; FlBand	228.00	229.50	Q209578	1.50	0.024
		Trachyte; FLOWBANDED	229.50	231.00	Q209579	1.50	0.013
		Green, very fine grained, moderately sericite altered flowbanded trachyte. Minor local fuchite alteration. Few	231.00	232.50	Q209580	1.50	<0.005
		brecciated, narrow flow boundaries.	232.50	234.00	Q209581	1.50	<0.005
			234.00	235.50	Q209582	1.50	<0.005
			235.50	237.00	Q209583	1.50	<0.005
			237.00	238.50	Q209584	1.50	0.017
			238.50	240.00	Q209585	1.50	0.024
			240.00	241.50	Q209586	1.50	<0.005
			241.50	243.00	Q209587	1.50	0.021
			243.00	244.50	Q209588	1.50	0.031
			244.50	246.00	Q209589	1.50	0.033
			246.00	247.50	Q209590	1.50	0.023
			247.50	249.00	Q209591	1.50	0.012
			249.00	250.50	Q209592	1.50	0.016
			250.50	252.00	Q209593	1.50	0.014
			252.00	253.50	Q209594	1.50	0.012
			253.50	255.00	Q209595	1.50	0.043
			255.00	256.50	Q209596	1.50	0.018
			256.50	258.00	Q209597	1.50	0.048
			258.00	259.50	Q209598	1.50	0.064

Description			Assay				
			From	To	Sample number	Length	AuBest
			259.50	261.00	Q209599	1.50	0.012
			261.00	262.50	Q209602	1.50	<0.005
			262.50	264.00	Q209603	1.50	<0.005
			264.00	265.50	Q209604	1.50	<0.005
			265.50	267.00	Q209605	1.50	0.012
			267.00	268.50	Q209606	1.50	<0.005
			268.50	270.00	Q209607	1.50	0.015
			270.00	271.50	Q209608	1.50	<0.005
227.90	286.93	Se02					
		Sericite 2					
		Moderate pervasive sericite.					
271.30	271.40	FB	271.50	273.00	Q209609	1.50	0.014
		Flow Breccia	273.00	274.50	Q209610	1.50	0.017
		Brecciated flow boundary with minor quartz vein.	274.50	276.00	Q209611	1.50	0.013
			276.00	277.50	Q209612	1.50	0.02
			277.50	279.00	Q209613	1.50	0.034
			279.00	280.50	Q209614	1.50	0.031
			280.50	282.00	Q209615	1.50	0.027
			282.00	283.50	Q209616	1.50	0.023
			283.50	285.00	Q209617	1.50	0.014
			285.00	286.50	Q209618	1.50	0.022
			286.50	288.00	Q209619	1.50	0.012
			288.00	289.50	Q209620	1.50	0.013
			289.50	291.00	Q209621	1.50	0.01
289.60	292.25	Se02; Fu01	291.00	292.50	Q209622	1.50	0.01
		Sericite 2; Fuchsite 1					
		Pervasive sericite, patchy fuchite.					
292.25	310.83	Se01; Ank	292.50	294.00	Q209623	1.50	0.012
		Sericite 1; Ankerite					
		pervasive weak sericite, patchy weak ankerite					
292.65	292.70	FB	294.00	295.50	Q209624	1.50	<0.005
		Flow Breccia	295.50	297.00	Q209627	1.50	<0.005
		Flow boundary, brecciated with minor ankerite veining and a dark chlorite.	297.00	298.50	Q209628	1.50	0.012
			298.50	300.00	Q209629	1.50	0.006
			300.00	301.50	Q209630	1.50	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
			301.50	303.00	Q209631	1.50	0.016
			303.00	304.50	Q209632	1.50	0.016
			304.50	306.00	Q209633	1.50	<0.005
			306.00	307.50	Q209634	1.50	0.024
			307.50	309.00	Q209635	1.50	0.008
			309.00	310.50	Q209636	1.50	0.011
309.65	394.63	V4; Vol	310.50	312.00	Q209637	1.50	0.013
		Trachyte; VOLCANICLASTIC					
		Light green to light pink, pervasive sericite alteration, patchy weak to very weak ankerite alteration, patchy weak potassic alteration of a volcanoclastic trachyte. Unit is approximately 40% reddish to greenish aphanitic subrounded clasts, mm to few centimeters in size, in a light greenish sericitic matrix. Few chloritic seams crosscut this unit. Patchy local weak magnetism.					
310.83	329.18	Se01; K01; Ank01	312.00	313.50	Q209638	1.50	<0.005
		Sericite 1; Potassic 1; Ankerite 1	313.50	315.00	Q209639	1.50	<0.005
		weak pevasive sericite, weak potassic alteration of clasts and weak patchy ankerite	315.00	316.50	Q209640	1.50	<0.005
			316.50	318.00	Q209641	1.50	0.013
			318.00	319.50	Q209642	1.50	0.009
			319.50	321.00	Q209643	1.50	0.005
			321.00	322.50	Q209644	1.50	<0.005
			322.50	324.00	Q209645	1.50	0.011
			324.00	325.50	Q209646	1.50	0.006
			325.50	327.00	Q209647	1.50	<0.005
			327.00	328.50	Q209648	1.50	0.01
			328.50	330.00	Q209649	1.50	0.009
329.95	330.18	Ank02	330.00	331.50	Q209652	1.50	0.02
		Ankerite 2					
		Pervasive moderate					
330.18	332.08	K01; Ank01; Se01	331.50	333.00	Q209653	1.50	0.009
		Potassic 1; Ankerite 1; Sericite 1					
		weak patchy potassic, weak pervasive ankerite adn sericite.					
332.08	332.20	Ank02					
		Ankerite 2					
		pervasive moderate					
332.20	333.62	Ank01; K01; Se01	333.00	334.50	Q209654	1.50	0.011
		Ankerite 1; Potassic 1; Sericite 1					
		weak					
333.62	333.90	Ank02					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Ankerite 2					
		pervasive moderate					
333.90	336.16	Se01; K01	334.50	336.00	Q209655	1.50	0.06
		Sericite 1; Potassic 1	336.00	337.50	Q209656	1.50	<0.005
		weak pervasive					
336.16	337.07	Se01; Cl01					
		Sericite 1; Chlorite 1					
		pervasive					
337.07	350.10	Se01; Ank01	337.50	339.00	Q209657	1.50	<0.005
		Sericite 1; Ankerite 1	339.00	340.50	Q209658	1.50	0.005
		weak pervasive	340.50	342.00	Q209659	1.50	0.009
			342.00	343.50	Q209660	1.50	<0.005
			343.50	345.00	Q209661	1.50	0.005
			345.00	346.50	Q209662	1.50	0.012
			346.50	348.00	Q209663	1.50	0.024
			348.00	349.50	Q209664	1.50	0.007
			349.50	351.00	Q209665	1.50	0.006
350.10	350.47	Ank02					
		Ankerite 2					
		moderate pervasive					
350.47	353.50	Ank01; Se01	351.00	352.50	Q209666	1.50	<0.005
		Ankerite 1; Sericite 1	352.50	354.00	Q209667	1.50	0.006
		weak					
353.50	353.90	Ank02					
		Ankerite 2					
		moderate					
353.90	414.60	Ank01; Cl01	354.00	355.50	Q209668	1.50	<0.005
		Ankerite 1; Chlorite 1	355.50	357.00	Q209669	1.50	0.006
		weak	357.00	358.50	Q209670	1.50	0.009
			358.50	360.00	Q209671	1.50	<0.005
			360.00	361.50	Q209672	1.50	<0.005
			361.50	363.00	Q209673	1.50	<0.005
			363.00	364.50	Q209674	1.50	0.006
			364.50	366.00	Q209677	1.50	0.011
			366.00	367.50	Q209678	1.50	<0.005
			367.50	369.00	Q209679	1.50	0.006
			369.00	370.50	Q209680	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			370.50	372.00	Q209681	1.50	0.006
			372.00	373.50	Q209682	1.50	0.01
			373.50	375.00	Q209683	1.50	<0.005
			375.00	376.50	Q209684	1.50	0.006
			376.50	378.00	Q209685	1.50	0.005
			378.00	379.50	Q209686	1.50	0.005
			379.50	381.00	Q209687	1.50	<0.005
			381.00	382.50	Q209688	1.50	0.006
			382.50	384.00	Q209689	1.50	0.006
			384.00	385.50	Q209690	1.50	<0.005
			385.50	387.00	Q209691	1.50	0.005
			387.00	388.50	Q209692	1.50	0.005
			388.50	390.00	Q209693	1.50	0.006
			390.00	391.50	Q209694	1.50	0.005
			391.50	393.00	Q209695	1.50	0.006
			393.00	394.50	Q209696	1.50	0.006
			394.50	396.00	Q209697	1.50	0.005
394.63	439.90	V4; Lithic	396.00	397.50	Q209698	1.50	0.014
		Trachyte; LITHIC	397.50	399.00	Q209699	1.50	0.008
		A mix of red, potassic, aphanitic perlitic trachyte fragments, some of which are large (up to 20cm) and greenish	399.00	400.50	Q209702	1.50	0.006
		aphanitic trachyte fragments in a chloritic aphanitic matrix. Fragments comprise approximately 80% of the unit	400.50	402.00	Q209703	1.50	0.005
		with the remainder as darker chloritic matrix. Unit is pervasively weakly ankeritized.	402.00	403.50	Q209704	1.50	0.005
			403.50	405.00	Q209705	1.50	<0.005
			405.00	406.50	Q209706	1.50	0.007
			406.50	408.00	Q209707	1.50	<0.005
			408.00	409.50	Q209708	1.50	<0.005
			409.50	411.00	Q209709	1.50	<0.005
			411.00	412.50	Q209710	1.50	<0.005
			412.50	414.00	Q209711	1.50	<0.005
			414.00	415.50	Q209712	1.50	<0.005
414.60	415.10	Ank02					
		Ankerite 2					
		moderate pervasive					
415.10	423.00	Ank01; Cl01	415.50	417.00	Q209713	1.50	<0.005
		Ankerite 1; Chlorite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		pervasive	417.00	418.50	Q209714	1.50	<0.005
			418.50	420.00	Q209715	1.50	<0.005
			420.00	421.50	Q209716	1.50	<0.005
			421.50	423.00	Q209717	1.50	<0.005
423.00	424.50	Ank02	423.00	424.50	Q209718	1.50	<0.005
		Ankerite 2					
		pervasive medium					
424.50	455.78	Ank01; Cl01	424.50	426.00	Q209719	1.50	<0.005
		Ankerite 1; Chlorite 1	426.00	427.50	Q209720	1.50	<0.005
		pervasive	427.50	429.00	Q209721	1.50	<0.005
			429.00	430.50	Q209722	1.50	<0.005
			430.50	432.00	Q209723	1.50	0.007
			432.00	433.50	Q209724	1.50	<0.005
			433.50	435.00	Q209727	1.50	<0.005
			435.00	436.50	Q209728	1.50	<0.005
			436.50	438.00	Q209729	1.50	<0.005
			438.00	439.50	Q209730	1.50	<0.005
			439.50	441.00	Q209731	1.50	<0.005
439.90	654.00	V4MT; Fol	441.00	442.50	Q209732	1.50	<0.005
		Trachyte mafic tuff; Foliated	442.50	444.00	Q209733	1.50	<0.005
		Greenish, fine grained deformed paleobasement tuffaceous trachyte with subangular clasts of pink trachyte	444.00	445.50	Q209734	1.50	0.006
		flows (25%, mm to 1-2cm) and light green rounded and flattened pumice (5%). Pervasive weak ankerite and	445.50	447.00	Q209735	1.50	<0.005
		chlorite alteration with calcite coming in at 477m. Upper contact sharp but irregular. Local patchy zones of	447.00	448.50	Q209736	1.50	<0.005
		moderate ankerite alteration. Fragments are elongated with rare pressure shadows. Sericite does occur but as	448.50	450.00	Q209737	1.50	<0.005
		mineral segregation as a product of tectonism.	450.00	451.50	Q209738	1.50	<0.005
			451.50	453.00	Q209739	1.50	<0.005
			453.00	454.50	Q209740	1.50	<0.005
			454.50	456.00	Q209741	1.50	<0.005
455.78	456.10	Ank02	456.00	457.50	Q209742	1.50	<0.005
		Ankerite 2					
		pervasive, moderate					
456.10	460.33	Ank01; Cl01	457.50	459.00	Q209743	1.50	0.007
		Ankerite 1; Chlorite 1	459.00	460.50	Q209744	1.50	<0.005
		weak, pervasive					
460.33	460.80	Ank02	460.50	462.00	Q209745	1.50	0.005
		Ankerite 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		pervasive, moderate					
460.80	477.00	Ank01; Cl01	462.00	463.50	Q209746	1.50	<0.005
		Ankerite 1; Chlorite 1	463.50	465.00	Q209747	1.50	<0.005
		weak, pervasive	465.00	466.50	Q209748	1.50	<0.005
			466.50	468.00	Q209749	1.50	0.013
			468.00	469.50	Q209752	1.50	0.015
			469.50	471.00	Q209753	1.50	0.016
			471.00	472.50	Q209754	1.50	0.013
			472.50	474.00	Q209755	1.50	0.015
			474.00	475.50	Q209756	1.50	0.01
			475.50	477.00	Q209757	1.50	0.021
477.00	654.00	Cl01; Ca01	477.00	478.50	Q209758	1.50	0.03
		Chlorite 1; Calcite 1	478.50	480.00	Q209759	1.50	0.02
		weak pervasive	480.00	481.50	Q209760	1.50	0.014
			481.50	483.00	Q209761	1.50	0.02
			483.00	484.50	Q209762	1.50	0.016
			484.50	486.00	Q209763	1.50	0.013
			486.00	487.50	Q209764	1.50	0.015
			487.50	489.00	Q209765	1.50	0.015
			489.00	490.50	Q209766	1.50	0.017
			490.50	492.00	Q209767	1.50	0.012
			492.00	493.50	Q209768	1.50	0.013
			493.50	495.00	Q209769	1.50	0.016
			495.00	496.50	Q209770	1.50	0.017
			496.50	498.00	Q209771	1.50	0.018
			498.00	499.50	Q209772	1.50	0.04
			499.50	501.00	Q209773	1.50	0.012
500.00	520.00	Stg	501.00	502.50	Q209774	1.50	<0.005
		Stretched grains/features	502.50	504.00	Q209777	1.50	<0.005
		Lineated clasts, some with pressure shadows/recrystallization, dominantly elongation direction roughly	504.00	505.50	Q209778	1.50	<0.005
		parallel to core axis.	505.50	507.00	Q209779	1.50	<0.005
			507.00	508.50	Q209780	1.50	<0.005
			508.50	510.00	Q209781	1.50	0.007
			510.00	511.50	Q209782	1.50	0.014

Description	Assay				
	From	To	Sample number	Length	AuBest
	511.50	513.00	Q209783	1.50	0.008
	513.00	514.50	Q209784	1.50	0.026
	514.50	516.00	Q209785	1.50	<0.005
	516.00	517.50	Q209786	1.50	0.005
	517.50	519.00	Q209787	1.50	0.033
	519.00	520.50	Q209788	1.50	0.006
	520.50	522.00	Q209789	1.50	0.02
	522.00	523.50	Q209790	1.50	0.005
	523.50	525.00	Q209791	1.50	0.005
	525.00	526.50	Q209792	1.50	0.008
	526.50	528.00	Q209793	1.50	0.005
	528.00	529.50	Q209794	1.50	0.006
	529.50	531.00	Q209795	1.50	0.006
	531.00	532.50	Q209796	1.50	0.006
	532.50	534.00	Q209797	1.50	<0.005
	534.00	535.50	Q209798	1.50	<0.005
	535.50	537.00	Q209799	1.50	0.023
	537.00	538.50	Q209802	1.50	<0.005
	538.50	540.00	Q209803	1.50	0.048
	540.00	541.50	Q209804	1.50	0.011
	541.50	543.00	Q209805	1.50	0.006
	543.00	544.50	Q209806	1.50	0.006
	544.50	546.00	Q209807	1.50	0.007
	546.00	547.50	Q209808	1.50	0.032
	547.50	549.00	Q209809	1.50	0.007
	549.00	550.50	Q209810	1.50	0.008
	550.50	552.00	Q209811	1.50	0.005
	552.00	553.50	Q209812	1.50	0.007
	553.50	555.00	Q209813	1.50	0.006
	555.00	556.50	Q209814	1.50	0.006
	556.50	558.00	Q209815	1.50	0.007
	558.00	559.50	Q209816	1.50	0.012
	559.50	561.00	Q209817	1.50	0.006
	561.00	562.50	Q209818	1.50	0.02

Description	Assay				
	From	To	Sample number	Length	AuBest
	562.50	564.00	Q209819	1.50	0.012
	564.00	565.50	Q209820	1.50	0.008
	565.50	567.00	Q209821	1.50	0.011
	567.00	568.50	Q209822	1.50	0.011
	568.50	570.00	Q209823	1.50	0.01
	570.00	571.50	Q209824	1.50	0.01
	571.50	573.00	Q209827	1.50	0.019
	573.00	574.50	Q209828	1.50	0.009
	574.50	576.00	Q209829	1.50	0.007
	576.00	577.50	Q209830	1.50	0.017
	577.50	579.00	Q209831	1.50	0.01
	579.00	580.50	Q209832	1.50	0.006
	580.50	582.00	Q209833	1.50	<0.005
	582.00	583.50	Q209834	1.50	<0.005
	583.50	585.00	Q209835	1.50	0.006
	585.00	586.50	Q209836	1.50	<0.005
	586.50	588.00	Q209837	1.50	<0.005
	588.00	589.50	Q209838	1.50	<0.005
	589.50	591.00	Q209839	1.50	<0.005
	591.00	592.50	Q209840	1.50	<0.005
	592.50	594.00	Q209841	1.50	<0.005
	594.00	595.50	Q209842	1.50	<0.005
	595.50	597.00	Q209843	1.50	<0.005
	597.00	598.50	Q209844	1.50	0.006
	598.50	600.00	Q209845	1.50	0.012
	600.00	601.50	Q209846	1.50	<0.005
	601.50	603.00	Q209847	1.50	<0.005
	603.00	604.50	Q209848	1.50	<0.005
	604.50	606.00	Q209849	1.50	0.008
	606.00	607.50	Q209852	1.50	<0.005
	607.50	609.00	Q209853	1.50	0.007
	609.00	610.50	Q209854	1.50	<0.005
	610.50	612.00	Q209855	1.50	<0.005
	612.00	613.50	Q209856	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	613.50	615.00	Q209857	1.50	<0.005
	615.00	616.50	Q209858	1.50	<0.005
	616.50	618.00	Q209859	1.50	<0.005
	618.00	619.50	Q209860	1.50	<0.005
	619.50	621.00	Q209861	1.50	0.005
	621.00	622.50	Q209862	1.50	<0.005
	622.50	624.00	Q209863	1.50	<0.005
	624.00	625.50	Q209864	1.50	<0.005
	625.50	627.00	Q209865	1.50	<0.005
	627.00	628.50	Q209866	1.50	<0.005
	628.50	630.00	Q209867	1.50	<0.005
	630.00	631.50	Q209868	1.50	<0.005
	631.50	633.00	Q209869	1.50	<0.005
	633.00	634.50	Q209870	1.50	<0.005
	634.50	636.00	Q209871	1.50	<0.005
	636.00	637.50	Q209872	1.50	<0.005
	637.50	639.00	Q209873	1.50	<0.005
	639.00	640.50	Q209874	1.50	<0.005
	640.50	642.00	Q209877	1.50	<0.005
	642.00	643.50	Q209878	1.50	<0.005
	643.50	645.00	Q209879	1.50	<0.005
	645.00	646.50	Q209880	1.50	<0.005
	646.50	648.00	Q209881	1.50	0.005
	648.00	649.50	Q209882	1.50	<0.005
	649.50	651.00	Q209883	1.50	<0.005
	651.00	652.50	Q209884	1.50	<0.005
	652.50	654.00	Q209885	1.50	<0.005
654.00	**End of DDH**				
	Number of samples: 418				
	Number of QAQC samples: 36				
	Total sampled length: 626.00				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_86

Drilled by:	Major	Claims title:	L9494	Section:	
Described by:	Reza Hosseinnejad	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	13/04/2014	Description date:	23/04/2014
		To:	16/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 420.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,176.016
North	0.0	0.000	5,332,075.043
Elevation	0.0	0.000	333.602

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	60.00	357.5°	-50.2°	No	Mag = 55766
ReflexEZS	120.00	352.2°	-49.9°	No	Mag = 55477
ReflexEZS	180.00	354.9°	-49.3°	No	Mag = 55344
ReflexEZS	240.00	353.1°	-48.8°	No	Mag = 55147
ReflexEZS	300.00	353.2°	-47.5°	No	Mag = 53954
ReflexEZS	360.00	349.1°	-45.4°	No	Mag = 55255
ReflexEZS	420.00	349.0°	-42.8°	No	Mag = 55323

Description

Relogged By Gilles Kamta end 28 july 2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	50.00	OVB **Overburden** Casing/Overburden					
50.00	120.30	V4; Fol **Trachyte; Foliated** Fine grained groundmass, green grey color trachyte flow, moderate to strong foliation 40-70 DTCA. localized compositional banding chlorite-quartz-felspar or ankerite. some late quartz ankerite or calcite veins and veinlets. The unit is altered to pervasive intense chlorite, spotty weak moderate to strong calcite (pervasive, stringers veinlets or veins) ankerite alteration, oxidation in joints or veins. The localized deformation consit of crenulations and boudinage @ (54-55.5 m, 78-88.5 m). the upper unit is non magnetic but moderately magnetique from 113.70-118 m, Trace of pyrite disseminated.	50.00	51.00	Q304054	1.00	<0.005
50.00	58.50	Cl03; Ank02; Ca02; Ox **Chlorite 3; Ankerite 2; Calcite 2; Oxidation** Strong pervasive green grey chlorite, moderate ankerite, spotty moderate calcite, spotty oxidation in the quartz-ankerite veins					
50.00	60.00	Fln; DZ **Foliation 50°; Deformation Zone** Moderate to strong foliation (30-60 DTCA, localized stretching @51-55.5 m),					
50.00	51.00	Py00.1 **Pyrite 0.1%** traces of pyrite					
51.00	52.50	Py00.1 **Pyrite 0.1%** traces of pyrite	51.00	52.50	Q304055	1.50	<0.005
51.20	51.70	Vm;90%;Qak;In;60°;; **major vein (10 cm or greater) 90% quartz-ankerite infilled fractures 60°** Infilled quartz ankerite-chlorite veins,					
51.70	56.00	Vn;3%;Qak;In;60°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°** infilled and floodind quartz ankerite veins, 0.5-4 cm					
52.50	54.00	Py00.1 **Pyrite 0.1%** traces of pyrite	52.50	54.00	Q304056	1.50	<0.005
54.00	55.50	Py00.1 **Pyrite 0.1%** traces of pyrite	54.00	55.50	Q304057	1.50	<0.005
55.50	57.00	Py00.1 **Pyrite 0.1%**	55.50	57.00	Q304058	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
57.00	58.50	Py00.1	57.00	58.50	Q304059	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
58.50	67.50	Ca03; Cl03	58.50	60.00	Q304060	1.50	<0.005
		Calcite 3; Chlorite 3					
		Strong pervasive calcite-chlorite alteration					
58.50	60.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
60.00	78.00	Fln; DZ	60.00	61.50	Q304061	1.50	<0.005
		Foliation 50°; Deformation Zone					
		Weak to moderate foliation, boudinage and crenulation					
60.00	61.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
61.50	63.00	Py00.1	61.50	63.00	Q304062	1.50	0.029
		Pyrite 0.1%					
		traces of pyrite					
63.00	64.50	Py00.1	63.00	64.50	Q304063	1.50	0.292
		Pyrite 0.1%					
		traces of pyrite					
64.50	66.00	Py00.1	64.50	66.00	Q304064	1.50	0.016
		Pyrite 0.1%					
		traces of pyrite					
66.00	67.50	Py00.1	66.00	67.50	Q304065	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
67.00	70.00	Vn;3%;Qak;In;50°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°					
		infilled and flooding quartz ankerite veins 2 cm					
67.50	81.00	Cl03; Se02	67.50	69.00	Q304066	1.50	<0.005
		Chlorite 3; Sericite 2					
		Stong pervasive ankerite, moderate pervasive sericite					
67.50	69.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
69.00	70.50	Py00.1	69.00	70.50	Q304067	1.50	0.016
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
70.50	72.00	Py00.1 **Pyrite 0.1%** traces of pyrite	70.50	72.00	Q304068	1.50	0.017
72.00	73.50	Py00.1 **Pyrite 0.1%** traces of pyrite	72.00	73.50	Q304069	1.50	0.021
73.50	75.00	Py00.1 **Pyrite 0.1%** traces of pyrite	73.50	75.00	Q304070	1.50	0.009
75.00	76.50	Py00.1 **Pyrite 0.1%** traces of pyrite	75.00	76.50	Q304071	1.50	0.006
76.50	78.00	Py00.1 **Pyrite 0.1%** traces of pyrite	76.50	78.00	Q304072	1.50	0.005
78.00	120.20	Fln; DZ **Foliation 60°; Deformation Zone** Foliation 40-80 DTCA,	78.00	79.50	Q304073	1.50	<0.005
78.00	79.50	Py00.1 **Pyrite 0.1%** traces of pyrite					
79.50	81.00	Py00.1 **Pyrite 0.1%** traces of pyrite	79.50	81.00	Q304074	1.50	<0.005
81.00	88.50	Cl03; Ank02; Se01 **Chlorite 3; Ankerite 2; Sericite 1** Strong pervasive chlorite, moderate pervasive ankerite, weak sericite.	81.00	82.50	Q304077	1.50	0.006
81.00	82.50	Py00.1 **Pyrite 0.1%** traces of pyrite					
82.50	84.00	Py00.1 **Pyrite 0.1%** traces of pyrite	82.50	84.00	Q304078	1.50	0.009
84.00	85.50	Py00.1 **Pyrite 0.1%** traces of pyrite	84.00	85.50	Q304079	1.50	0.007
85.50	87.00	Py00.1 **Pyrite 0.1%** traces of pyrite	85.50	87.00	Q304080	1.50	0.005
87.00	88.50	Py00.1	87.00	88.50	Q304081	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
88.50	118.00	Cl03; Ca02; Se01	88.50	90.00	Q304082	1.50	0.006
		Chlorite 3; Calcite 2; Sericite 1					
		Strong green chlorite , moderate spotty calcite (as veins, veinlets or stringers), weak-moderate ankerite.					
88.50	90.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
88.50	109.00	Vn;3%;Qak;In;50°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 50°					
		infilled and flooding quartz ankerite veins					
90.00	91.50	Py00.1	90.00	91.50	Q304083	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
91.50	93.00	Py00.1	91.50	93.00	Q304084	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
93.00	94.50	Py00.1	93.00	94.50	Q304085	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
94.50	96.00	Py00.1	94.50	96.00	Q304086	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
96.00	97.50	Py00.1	96.00	97.50	Q304087	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
97.50	99.00	Py00.1	97.50	99.00	Q304088	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
99.00	100.50	Py00.2	99.00	100.50	Q304089	1.50	0.005
		Pyrite 0.2%					
		Traces of euhedral pyrite					
100.50	102.00	Py00.2	100.50	102.00	Q304090	1.50	<0.005
		Pyrite 0.2%					
		traces of euhedral pyrite					
102.00	103.50	Py00.2	102.00	103.50	Q304091	1.50	<0.005
		Pyrite 0.2%					
		traces of euhedral pyrite					
103.50	105.00	Py00.2	103.50	105.00	Q304092	1.50	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of euhedral pyrite					
105.00	106.50	Py00.2	105.00	106.50	Q304093	1.50	<0.005
		Pyrite 0.2%					
		traces of euhedral pyrite					
106.50	108.00	Py00.1	106.50	108.00	Q304094	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
108.00	109.50	Py00.1	108.00	109.50	Q304095	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
109.50	111.00	Py00.1	109.50	111.00	Q304096	1.50	<0.005
		Pyrite 0.1%					
		traces ol pyrite					
111.00	112.50	Py00.1					
		Pyrite 0.1%					
		traces of euhedral pyrite					
111.00	120.50	Vn;3%;Ca;In;60°;;	111.00	112.50	Q304097	1.50	<0.005
		vein (5 mm - 10 cm) 3% calcite infilled fractures 60°					
		Calcite veins and veinlets 0.5-2 cm					
112.50	114.00	Py00.2	112.50	114.00	Q304098	1.50	<0.005
		Pyrite 0.2%					
		traces of euhedral pyrite					
114.00	115.50	Py00.1	114.00	115.50	Q304099	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
115.50	117.00	Py00.1	115.50	117.00	Q304102	1.50	<0.005
		Pyrite 0.1%					
		traces of euhedral pyrite					
117.00	118.50	Py00.1	117.00	118.50	Q304103	1.50	<0.005
		Pyrite 0.1%					
		traces of euhedral pyrite					
118.00	157.00	Ca03; Cl03; K01; Ox					
		Calcite 3; Chlorite 3; Potassic 1; Oxidation					
		Strong pervasive calcite-chlorite, weak pervasive potassic alteration, 10 cm oxidation					
118.50	120.00	Py00.1	118.50	120.00	Q304104	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
120.00	121.50	Py00.1	120.00	121.50	Q304105	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
120.30	222.50	V4; Phan; Mass **Trachyte 60°; PHANERITIC; Massive** Dark green to medium green, fine grained massive trachyte flow, the texture is phaneritic including 1-2% sub euhedral or rounded phenocrysts look like as amygdales (@ 141-187). The upper unit is weakly foliated (40 DTCA).The entire unit is non magnetic, altered to intermittant moderate to strong calcite, strong pervasive chlorite, weak pervasive potassic (localized strong 10-20 cm potassic alteration). Chloritic fault gouge (10 cm @135.50-135.60; 10 cm@ 139.40-139.50 30-50 DTCA; 6 cm 218.40-218.46 m).Traces of pyrite.					
121.50	123.00	Py00.1 **Pyrite 0.1%** traces of pyrite	121.50	123.00	Q304106	1.50	<0.005
123.00	124.50	Py00.1 **Pyrite 0.1%** traces of pyrite					
123.00	171.00	Vt;3%;Qak Ca;In;50°;; **veinlet (1-5 mm) 3% quartz-ankerite calcite infilled fractures 50°** Late quartz-ankerite-calcite veinlets	123.00	124.50	Q304107	1.50	<0.005
124.50	126.00	Py00.1 **Pyrite 0.1%** traces of pyrite	124.50	126.00	Q304108	1.50	<0.005
126.00	127.50	Py00.1 **Pyrite 0.1%** traces of pyrite	126.00	127.50	Q304109	1.50	<0.005
127.50	129.00	Py00.1 **Pyrite 0.1%** traces of pyrite	127.50	129.00	Q304110	1.50	<0.005
129.00	130.50	Py00.1 **Pyrite 0.1%** traces of pyrite	129.00	130.50	Q304111	1.50	<0.005
130.50	132.00	Py00.1 **Pyrite 0.1%** traces of pyrite	130.50	132.00	Q304112	1.50	<0.005
132.00	133.50	Py00.1 **Pyrite 0.1%** traces of pyrite	132.00	133.50	Q304113	1.50	<0.005
133.50	135.00	Py00.1 **Pyrite 0.1%** traces of pyrite	133.50	135.00	Q304114	1.50	<0.005
135.00	136.50	Py00.1 **Pyrite 0.1%** traces of pyrite	135.00	136.50	Q304115	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
135.50	135.60	Gg					
		Fault gouge 50°					
		Chloritic fault gouge with fragments(micro fractures)					
136.50	138.00	Py00.1	136.50	138.00	Q304116	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
138.00	139.50	Py00.1	138.00	139.50	Q304117	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
139.40	139.50	Gg					
		Fault gouge 40°					
		fault gouge with fragments of trachyte (micro fractures)					
139.50	141.00	Py00.1	139.50	141.00	Q304118	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
141.00	142.50	Py00.1	141.00	142.50	Q304119	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
142.50	144.00	Py00.1	142.50	144.00	Q304120	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
144.00	145.50	Py00.1	144.00	145.50	Q304121	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
145.50	147.00	Py00.1	145.50	147.00	Q304122	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
147.00	148.50	Py00.1	147.00	148.50	Q304123	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
148.50	150.00	Py00.1	148.50	150.00	Q304124	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
150.00	151.50	Py00.1	150.00	151.50	Q304127	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
151.50	153.00	Py00.1	151.50	153.00	Q304128	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
153.00	154.50	Py00.1	153.00	154.50	Q304129	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
154.50	156.00	Py00.1	154.50	156.00	Q304130	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
156.00	157.50	Py00.1	156.00	157.50	Q304131	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
157.00	163.50	Cl03; Ca02; K01					
		Chlorite 3; Calcite 2; Potassic 1					
		Intense chlorite alteration, moderate ankerite, weak pervasive alteration.					
157.50	159.00	Py00.1	157.50	159.00	Q304132	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
159.00	160.50	Py00.1	159.00	160.50	Q304133	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
160.50	162.00	Py00.1	160.50	162.00	Q304134	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
162.00	163.50	Py00.1	162.00	163.50	Q304135	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
163.50	222.50	Ca03; Cl03	163.50	165.00	Q304136	1.50	<0.005
		Calcite 3; Chlorite 3					
		Strong calcite-chlorite alteration, weak potassic alteration.					
163.50	165.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
165.00	166.50	Py00.1	165.00	166.50	Q304137	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
166.50	168.00	Py00.1	166.50	168.00	Q304138	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
168.00	169.50	Py00.1	168.00	169.50	Q304139	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
169.50	171.00	Py00.1	169.50	171.00	Q304140	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
171.00	172.50	Py00.1	171.00	172.50	Q304141	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
172.50	174.00	Py00.1	172.50	174.00	Q304142	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
173.50	173.80	Vm;95%;Ca;In;70°;;					
		major vein (10 cm or greater) 95% calcite infilled fractures 70°					
		infilled fracture calcite veins 13 cm					
174.00	175.50	Py00.1	174.00	175.50	Q304143	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
175.50	177.00	Py00.1	175.50	177.00	Q304144	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
177.00	178.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
177.00	186.00	Vn;3%;Ca;In;60°;;	177.00	178.50	Q304145	1.50	<0.005
		vein (5 mm - 10 cm) 3% calcite infilled fractures 60°					
		calcite veins (0.5-1 cm) veinlets infilled fractures 0.5-					
178.50	180.00	Py00.1	178.50	180.00	Q304146	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
180.00	181.50	Py00.1	180.00	181.50	Q304147	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
181.50	183.00	Py00.1	181.50	183.00	Q304148	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
183.00	184.50	Py00.1	183.00	184.50	Q304149	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
184.50	186.00	Py00.1	184.50	186.00	Q304152	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
186.00	187.50	Py00.1	186.00	187.50	Q304153	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
187.50	189.00	Py00.1	187.50	189.00	Q304154	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
189.00	190.50	Py00.1	189.00	190.50	Q304155	1.50	<0.005
		Pyrite 0.1%					
		traces					
190.50	192.00	Py00.1	190.50	192.00	Q304156	1.50	<0.005
		Pyrite 0.1%					
		traces					
192.00	193.50	Py00.1					
		Pyrite 0.1%					
		traces					
192.00	198.00	Vn;3%;Ca;In;50°;;	192.00	193.50	Q304157	1.50	<0.005
		vein (5 mm - 10 cm) 3% calcite infilled fractures 50°					
		calcite veins 1-2 cm 30-70 DTCA					
193.50	195.00	Py00.1	193.50	195.00	Q304158	1.50	<0.005
		Pyrite 0.1%					
		traces					
195.00	196.50	Py00.1	195.00	196.50	Q304159	1.50	<0.005
		Pyrite 0.1%					
		traces					
196.50	198.00	Py00.1	196.50	198.00	Q304160	1.50	<0.005
		Pyrite 0.1%					
		traces					
198.00	199.50	Py00.1	198.00	199.50	Q304161	1.50	<0.005
		Pyrite 0.1%					
		traces					
199.50	201.00	Py00.1	199.50	201.00	Q304162	1.50	<0.005
		Pyrite 0.1%					
		traces					
201.00	202.50	Py00.1	201.00	202.50	Q304163	1.50	<0.005
		Pyrite 0.1%					
		traces					
202.50	204.00	Py00.1	202.50	204.00	Q304164	1.50	<0.005
		Pyrite 0.1%					
		traces					
204.00	205.50	Py00.1					
		Pyrite 0.1%					
		traces					
204.00	213.00	Vn;3%;Ca;In;30°;;	204.00	205.50	Q304165	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 3% calcite infilled fractures 30°					
		infilled calcite veins 1-3 cm					
205.50	207.00	Py00.1	205.50	207.00	Q304166	1.50	0.007
		Pyrite 0.1%					
		traces					
207.00	208.50	Py00.1	207.00	208.50	Q304167	1.50	<0.005
		Pyrite 0.1%					
		traces					
208.50	210.00	Py00.1	208.50	210.00	Q304168	1.50	<0.005
		Pyrite 0.1%					
		traces					
210.00	211.50	Py00.1	210.00	211.50	Q304169	1.50	<0.005
		Pyrite 0.1%					
		traces					
211.50	213.00	Py00.1	211.50	213.00	Q304170	1.50	<0.005
		Pyrite 0.1%					
		traces					
213.00	214.50	Py00.1	213.00	214.50	Q304171	1.50	<0.005
		Pyrite 0.1%					
		traces					
214.50	216.00	Py00.1	214.50	216.00	Q304172	1.50	<0.005
		Pyrite 0.1%					
		traces					
216.00	217.50	Py00.1	216.00	217.50	Q304173	1.50	<0.005
		Pyrite 0.1%					
		traces					
217.50	219.00	Py00.1	217.50	219.00	Q304174	1.50	<0.005
		Pyrite 0.1%					
		traces					
218.41	218.46	Gg					
		Fault gouge					
		5 cm chloritic fault gouge					
219.00	220.50	Py00.1	219.00	220.50	Q304177	1.50	<0.005
		Pyrite 0.1%					
		traces					
219.00	220.10	Vn;5%;Qca Cl;In;80°;;					
		vein (5 mm - 10 cm) 5% quartz-calcite chlorite infilled fractures 80°					
		Quartz-calcite-chlorite veins 1-5 cm					
220.50	246.00	Fln	220.50	222.00	Q304178	1.50	0.023
		Foliation 40°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		weak foliation					
220.50	222.00	Py00.1					
		Pyrite 0.1%					
		traces					
222.00	223.50	Py00.1					
		Pyrite 0.1%					
		traces					
222.00	238.56	Vn;3%;Ak;In;40°;;	222.00	223.50	Q304179	1.50	<0.005
		vein (5 mm - 10 cm) 3% ankerite infilled fractures 40°					
		ankerite veins 0.5-2 cm 30-60 DTCA					
222.50	420.00	V4; LapTuff; Pyro					
		Trachyte 50°; LAPILLI TUFF/AGGLOMERATE; PYROCLASTIC					
		Medium to light green trachyte tuff. Fine grained matrix contains up 15% anhedral subanhedral whitish phenochrists elongated on the flow foliation, some lightly pink fragments with crystal are irregulary disseminated (pomices). The upper interval is non magnetic and become more magetic after 291 m. ankeretic intervals alterning with calcite and non calcite intervals. The unit become green to light green due to chloritic and sericitic alteration. There is no mineralization associated to the unit (traces of pyrite) From 247-252 the ankerite veins inside the rock shows deformation. the lower contact @ 249.50-288 m has some sub euhedral dark or pinkish pyroclasts 0.5-2 cm.					
222.50	246.00	Cl02; Ank01; Se01					
		Chlorite 2; Ankerite 1; Sericite 1					
		moderate chlorite, weak ankerite, weak pervasive /patchy intense 10 cm sericite alteration.					
223.50	225.00	Py00.1	223.50	225.00	Q304180	1.50	0.005
		Pyrite 0.1%					
		traces					
225.00	226.50	Py00.1	225.00	226.50	Q304181	1.50	<0.005
		Pyrite 0.1%					
		traces					
226.50	228.00	Py00.1	226.50	228.00	Q304182	1.50	0.005
		Pyrite 0.1%					
		traces					
228.00	229.50	Py00.1	228.00	229.50	Q304183	1.50	0.012
		Pyrite 0.1%					
		traces					
229.50	231.00	Py00.1	229.50	231.00	Q304184	1.50	0.011
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
231.00	232.50	Py00.1 **Pyrite 0.1%** traces	231.00	232.50	Q304185	1.50	0.008
232.50	234.00	Py00.1 **Pyrite 0.1%** traces	232.50	234.00	Q304186	1.50	0.009
234.00	235.50	Py00.1 **Pyrite 0.1%** traces	234.00	235.50	Q304187	1.50	0.015
235.50	237.00	Py00.1 **Pyrite 0.1%** traces	235.50	237.00	Q304188	1.50	0.026
237.00	238.50	Py00.1 **Pyrite 0.1%** traces	237.00	238.50	Q304189	1.50	0.013
238.50	240.00	Py00.1 **Pyrite 0.1%** traces	238.50	240.00	Q304190	1.50	0.01
240.00	241.50	Py00.1 **Pyrite 0.1%** traces	240.00	241.50	Q304191	1.50	0.009
241.50	243.00	Py00.1 **Pyrite 0.1%** traces	241.50	243.00	Q304192	1.50	0.019
243.00	244.50	Py00.1 **Pyrite 0.1%** traces	243.00	244.50	Q304193	1.50	0.023
244.50	246.00	Py00.1 **Pyrite 0.1%** traces	244.50	246.00	Q304194	1.50	0.019
246.00	252.00	Cl02; Ank02; Se02 **Chlorite 2; Ankerite 2; Sericite 2** strong to moderate chlorite-ankerite-sericite					
246.00	252.50	Fln; DZ **Foliation 60°; Deformation Zone** Weak pervasive foliation and weak deformation zone	246.00	247.50	Q304195	1.50	<0.005
246.00	247.50	Py00.2 **Pyrite 0.2%** traces					
247.50	249.00	Py00.2	247.50	249.00	Q304196	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		traces of pyrite in stringers					
249.00	250.50	Py00.2	249.00	250.50	Q304197	1.50	0.005
		Pyrite 0.2%					
		Trace of pyrite disseminated					
249.50	288.00	V4; Tuff; Pyro					
		Trachyte; TUFF; PYROCLASTIC					
		Medium green trachyte tuff. Fine grained matrix contains 10 to 15% anhedral subanhedrall clasts. the unit is moderaly to strongly foliated 50-80 DTCA and laminated, The lower interval (261-288 m) is moderately to strongly magnetic. It's altered to calcite. moderate to sericite There is no mineralization associated to the unit (traces of pyrite)					
250.50	252.00	Py00.2	250.50	252.00	Q304198	1.50	<0.005
		Pyrite 0.2%					
		traces of pyrite					
252.00	256.50	Cl02; Se01; Ank01	252.00	253.50	Q304199	1.50	0.005
		Chlorite 2; Sericite 1; Ankerite 1					
		Moderate ankerite, weak sericite andankerite					
252.00	253.50	Py00.1					
		Pyrite 0.1%					
		traces					
252.50	259.50	Fln					
		Foliation 50°					
		weak pervasive foliation					
253.50	255.00	Py00.1	253.50	255.00	Q304202	1.50	<0.005
		Pyrite 0.1%					
		traces					
255.00	256.50	Py00.1	255.00	256.50	Q304203	1.50	<0.005
		Pyrite 0.1%					
		traces					
256.50	266.00	Cl03; Se02; Ank01	256.50	258.00	Q304204	1.50	<0.005
		Chlorite 3; Sericite 2; Ankerite 1					
		Strong pervasive chlorite alteration, moderate sericite alteration, weak pervasive ankerite.					
256.50	258.00	Py00.1					
		Pyrite 0.1%					
		traces					
258.00	259.50	Py00.1	258.00	259.50	Q304205	1.50	0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
259.50	294.00	FIn	259.50	261.00	Q304206	1.50	0.008
		Foliation 60°					
		Strong pervasice foliation					
259.50	261.00	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
261.00	262.50	Py00.1	261.00	262.50	Q304207	1.50	0.005
		Pyrite 0.1%					
		traces of pyrite					
262.00	265.00	Vn;3%;Qak Ca;In;60°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite calcite infilled fractures 60°					
		Pinkish quartz ankerite veins 1-2 cm					
262.50	264.00	Py00.1	262.50	264.00	Q304208	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
264.00	265.50	Py00.1	264.00	265.50	Q304209	1.50	0.009
		Pyrite 0.1%					
		traces of pyrite					
265.50	267.00	Py00.1	265.50	267.00	Q304210	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
266.00	274.00	Cl03; Se02; Ca01					
		Chlorite 3; Sericite 2; Calcite 1					
		Strong pervasive chlorite alteration, moderate sericite, intermittant moderate calcite.					
266.00	291.00	Vn;3%;Qak Ca;In;70°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite calcite infilled fractures 70°					
		0.5-2 cm quartz-ankerite calcite veins					
267.00	268.50	Py00.1	267.00	268.50	Q304211	1.50	0.011
		Pyrite 0.1%					
		traces of pyrite					
268.50	270.00	Py00.1	268.50	270.00	Q304212	1.50	0.01
		Pyrite 0.1%					
		traces of pyrite					
270.00	271.50	Py00.1	270.00	271.50	Q304213	1.50	0.007
		Pyrite 0.1%					
		traces of pyrite					
271.50	273.00	Py00.1	271.50	273.00	Q304214	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
273.00	274.50	Py00.1	273.00	274.50	Q304215	1.50	0.017

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
274.00	284.00	Ca03; Cl03; Se01					
		Calcite 3; Chlorite 3; Sericite 1					
		Strong to moderate pervasive calcite, strong chlorite, weak pervasive sericite					
274.50	276.00	Py00.1	274.50	276.00	Q304216	1.50	0.017
		Pyrite 0.1%					
		traces of pyrite					
276.00	277.50	Py00.1	276.00	277.50	Q304217	1.50	0.023
		Pyrite 0.1%					
		traces of pyrite					
277.50	279.00	Py00.1	277.50	279.00	Q304218	1.50	0.018
		Pyrite 0.1%					
		traces of pyrite					
279.00	280.50	Py00.1	279.00	280.50	Q304219	1.50	0.013
		Pyrite 0.1%					
		traces of pyrite					
280.50	282.00	Py00.1	280.50	282.00	Q304220	1.50	0.016
		Pyrite 0.1%					
		traces of pyrite					
282.00	283.50	Py00.1	282.00	283.50	Q304221	1.50	0.017
		Pyrite 0.1%					
		traces of pyrite					
283.50	285.00	Py00.1	283.50	285.00	Q304222	1.50	0.015
		Pyrite 0.1%					
		traces of pyrite					
284.00	316.50	Ca03; Cl03					
		Calcite 3; Chlorite 3					
		Strong pervasive ankerite and chlorite.					
285.00	286.50	Py00.1	285.00	286.50	Q304223	1.50	0.015
		Pyrite 0.1%					
		traces of pyrite					
286.50	288.00	Py00.1	286.50	288.00	Q304224	1.50	0.011
		Pyrite 0.1%					
		traces of pyrite					
288.00	289.50	Py00.1	288.00	289.50	Q304227	1.50	0.008
		Pyrite 0.1%					
		traces of pyrite					
289.50	291.00	Py00.1	289.50	291.00	Q304228	1.50	0.006
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces of pyrite					
291.00	292.50	Py00.1	291.00	292.50	Q304229	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
292.50	294.00	Py00.1	292.50	294.00	Q304230	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
294.00	306.00	Fln	294.00	295.50	Q304231	1.50	<0.005
		Foliation 60°					
		Moserate pervasive foliation					
294.00	295.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					
295.50	297.00	Py00.2	295.50	297.00	Q304232	1.50	0.012
		Pyrite 0.2%					
		traces of pyrite					
297.00	298.50	Py00.2	297.00	298.50	Q304233	1.50	0.005
		Pyrite 0.2%					
		traces of pyrite					
298.50	300.00	Py00.2	298.50	300.00	Q304234	1.50	0.008
		Pyrite 0.2%					
		traces of pyrite					
300.00	301.50	Py00.2	300.00	301.50	Q304235	1.50	0.005
		Pyrite 0.2%					
		traces of pyrite					
301.50	303.00	Py00.1	301.50	303.00	Q304236	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
303.00	304.50	Py00.1	303.00	304.50	Q304237	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
304.50	306.00	Py00.1	304.50	306.00	Q304238	1.50	0.006
		Pyrite 0.1%					
		traces of pyrite					
306.00	316.50	Fln	306.00	307.50	Q304239	1.50	<0.005
		Foliation 60°					
		strong pervasive foliation					
306.00	307.50	Py00.1					
		Pyrite 0.1%					
		traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
307.50	309.00	Py00.1 **Pyrite 0.1%** traces of pyrite	307.50	309.00	Q304240	1.50	<0.005
309.00	310.50	Py00.1 **Pyrite 0.1%** traces of pyrite	309.00	310.50	Q304241	1.50	<0.005
310.50	312.00	Py00.1 **Pyrite 0.1%** traces of pyrite	310.50	312.00	Q304242	1.50	<0.005
312.00	313.50	Py00.1 **Pyrite 0.1%** traces of pyrite	312.00	313.50	Q304243	1.50	<0.005
313.50	315.00	Py00.1 **Pyrite 0.1%** traces of pyrite	313.50	315.00	Q304244	1.50	<0.005
315.00	316.50	Py00.1 **Pyrite 0.1%** traces of pyrite	315.00	316.50	Q304245	1.50	<0.005
316.50	342.00	Ank03; Cl02; Se02; K01 **Ankerite 3; Chlorite 2; Sericite 2; Potassic 1** Strong pervasive ankerite, moderate pervasive chlorite and sericite, spotty weak potassic	316.50	318.00	Q304246	1.50	<0.005
316.50	318.00	Py00.1 **Pyrite 0.1%** traces of pyrite					
316.60	420.00	Fln; DZ **Foliation 50°; Deformation Zone** strong foliation 40-70 with weak to moderate ductile deformation (crenulations and boudinage)					
318.00	319.50	Py00.1 **Pyrite 0.1%** traces of pyrite	318.00	319.50	Q304247	1.50	<0.005
319.50	321.00	Py00.1 **Pyrite 0.1%** traces of pyrite	319.50	321.00	Q304248	1.50	0.01
321.00	322.50	Py00.1 **Pyrite 0.1%** traces of pyrite	321.00	322.50	Q304249	1.50	<0.005
322.50	324.00	Py00.1 **Pyrite 0.1%** traces of pyrite	322.50	324.00	Q304252	1.50	<0.005
324.00	325.50	Py00.1	324.00	325.50	Q304253	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces of pyrite					
325.50	327.00	Py00.1	325.50	327.00	Q304254	1.50	<0.005
		Pyrite 0.1%					
		traces of pyrite					
327.00	328.50	Py00.1	327.00	328.50	Q304255	1.50	0.005
		Pyrite 0.1%					
		traces					
328.50	330.00	Py00.1	328.50	330.00	Q304256	1.50	0.005
		Pyrite 0.1%					
		traces					
329.50	329.70	Vn;50%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 50% quartz-ankerite infilled fractures 60°					
		infilled quartz ankerite veins 2-4 cm					
330.00	331.50	Py00.1	330.00	331.50	Q304257	1.50	0.015
		Pyrite 0.1%					
		traces					
331.50	333.00	Py00.1	331.50	333.00	Q304258	1.50	<0.005
		Pyrite 0.1%					
		traces					
333.00	334.50	Py00.1	333.00	334.50	Q304259	1.50	<0.005
		Pyrite 0.1%					
		traces					
334.50	336.00	Py00.1	334.50	336.00	Q304260	1.50	<0.005
		Pyrite 0.1%					
		traces					
336.00	337.50	Py00.1	336.00	337.50	Q304261	1.50	<0.005
		Pyrite 0.1%					
		traces					
337.00	339.50	Vn;3%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°					
		1-2 cm quartz ankerite veins					
337.50	339.00	Py00.1	337.50	339.00	Q304262	1.50	<0.005
		Pyrite 0.1%					
		traces					
339.00	340.50	Py00.1	339.00	340.50	Q304263	1.50	<0.005
		Pyrite 0.1%					
		traces					
340.50	342.00	Py00.1	340.50	342.00	Q304264	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
342.00	351.00	Ank03; Cl03	342.00	343.50	Q304265	1.50	<0.005
		Ankerite 3; Chlorite 3					
		Strong pervasive ankerite-chlorite					
342.00	343.50	Py00.1					
		Pyrite 0.1%					
		traces					
343.50	345.00	Py00.1	343.50	345.00	Q304266	1.50	<0.005
		Pyrite 0.1%					
		traces					
345.00	346.50	Py00.1	345.00	346.50	Q304267	1.50	<0.005
		Pyrite 0.1%					
		traces					
346.50	348.00	Py00.1	346.50	348.00	Q304268	1.50	0.007
		Pyrite 0.1%					
		traces					
348.00	349.50	Py00.1	348.00	349.50	Q304269	1.50	<0.005
		Pyrite 0.1%					
		traces					
349.50	351.00	Py00.1	349.50	351.00	Q304270	1.50	<0.005
		Pyrite 0.1%					
		traces					
351.00	361.00	Cl03; Ank02; Ca01	351.00	352.50	Q304271	1.50	<0.005
		Chlorite 3; Ankerite 2; Calcite 1					
		Strong pervasive chlorite, moderate ankerite, weak spotty calcite					
351.00	352.50	Py00.1					
		Pyrite 0.1%					
		traces					
352.50	354.00	Py00.1	352.50	354.00	Q304272	1.50	<0.005
		Pyrite 0.1%					
		traces					
354.00	355.50	Py00.1	354.00	355.50	Q304273	1.50	<0.005
		Pyrite 0.1%					
		traces					
354.50	354.55	Vn;100%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 100% quartz-ankerite infilled fractures 60°					
		quartz-ankerite vein 5 cm					
355.50	357.00	Py00.1	355.50	357.00	Q304274	1.50	0.006
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
357.00	358.50	Py00.1	357.00	358.50	Q304277	1.50	<0.005
		Pyrite 0.1%					
		traces					
358.50	360.00	Py00.1	358.50	360.00	Q304278	1.50	<0.005
		Pyrite 0.1%					
		traces					
360.00	361.50	Py00.1	360.00	361.50	Q304279	1.50	<0.005
		Pyrite 0.1%					
		traces					
361.00	378.00	Ca03; Cl02; Se02					
		Calcite 3; Chlorite 2; Sericite 2					
		Stong pervasive calcite, moderate pervasive ankerite- sericite					
361.50	363.00	Py00.1	361.50	363.00	Q304280	1.50	<0.005
		Pyrite 0.1%					
		traces					
363.00	364.50	Py00.1	363.00	364.50	Q304281	1.50	<0.005
		Pyrite 0.1%					
		traces					
364.50	366.00	Py00.1	364.50	366.00	Q304282	1.50	<0.005
		Pyrite 0.1%					
		traces					
366.00	367.50	Py00.1	366.00	367.50	Q304283	1.50	<0.005
		Pyrite 0.1%					
		traces					
367.50	369.00	Py00.1	367.50	369.00	Q304284	1.50	<0.005
		Pyrite 0.1%					
		traces					
369.00	370.50	Py00.2	369.00	370.50	Q304285	1.50	0.016
		Pyrite 0.2%					
		traces // foliation					
370.00	378.00	Vn;3%;Qak Ca;In;;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite calcite infilled fractures					
		smokey grey quartz-ankerite or calcite veins 50-80 DTCA					
370.50	372.00	Py00.1	370.50	372.00	Q304286	1.50	<0.005
		Pyrite 0.1%					
		traces					
372.00	373.50	Py00.1	372.00	373.50	Q304287	1.50	<0.005
		Pyrite 0.1%					
		traces					
373.50	375.00	Py00.1	373.50	375.00	Q304288	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
375.00	376.50	Py00.1	375.00	376.50	Q304289	1.50	<0.005
		Pyrite 0.1%					
		traces					
376.50	378.00	Py00.1	376.50	378.00	Q304290	1.50	<0.005
		Pyrite 0.1%					
		traces					
378.00	396.50	Ca03; Cl02	378.00	379.50	Q304291	1.50	<0.005
		Calcite 3; Chlorite 2					
		strong pervasive calcite-chlorite					
378.00	379.50	Py00.1					
		Pyrite 0.1%					
		traces					
379.50	381.00	Py00.1	379.50	381.00	Q304292	1.50	<0.005
		Pyrite 0.1%					
		traces					
381.00	382.50	Py00.1	381.00	382.50	Q304293	1.50	<0.005
		Pyrite 0.1%					
		traces					
382.50	384.00	Py00.1	382.50	384.00	Q304294	1.50	<0.005
		Pyrite 0.1%					
		traces					
384.00	385.50	Py00.1	384.00	385.50	Q304295	1.50	<0.005
		Pyrite 0.1%					
		traces					
385.50	387.00	Py00.1					
		Pyrite 0.1%					
		traces					
385.50	387.70	Vn;5%;Qak Ca;In;70°;;	385.50	387.00	Q304296	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite calcite infilled fractures 70°					
		quartz-ankerite calcite veins 1-4-5-10 cm 60-80 dg/ac					
387.00	388.50	Py00.1	387.00	388.50	Q304297	1.50	<0.005
		Pyrite 0.1%					
		traces					
388.50	390.00	Py00.1	388.50	390.00	Q304298	1.50	<0.005
		Pyrite 0.1%					
		traces					
390.00	391.50	Py00.1	390.00	391.50	Q304299	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
391.50	393.00	Py00.1	391.50	393.00	Q304302	1.50	<0.005
		Pyrite 0.1%					
		traces					
393.00	394.50	Py00.1	393.00	394.50	Q304303	1.50	<0.005
		Pyrite 0.1%					
		traces					
394.50	396.00	Py00.1	394.50	396.00	Q304304	1.50	<0.005
		Pyrite 0.1%					
		traces					
396.00	397.50	Py00.1; Hem00.5	396.00	397.50	Q304305	1.50	<0.005
		Pyrite 0.1%; SPECULARITE 0.5%					
		traces of pyrite, specularite veinlets					
396.50	420.00	Ank03; Cl03; Se; He					
		Ankerite 3; Chlorite 3; Sericite; Hematite					
		Strong pervasive ankerite chlorite, weak spotty sericite,					
		hematite veinlets					
397.50	399.00	Py00.1	397.50	399.00	Q304306	1.50	<0.005
		Pyrite 0.1%					
		traces					
399.00	400.50	Py00.1	399.00	400.50	Q304307	1.50	<0.005
		Pyrite 0.1%					
		traces					
400.50	402.00	Py00.1	400.50	402.00	Q304308	1.50	<0.005
		Pyrite 0.1%					
		traces					
402.00	403.50	Py00.1	402.00	403.50	Q304309	1.50	<0.005
		Pyrite 0.1%					
		traces					
403.50	405.00	Py00.1	403.50	405.00	Q304310	1.50	<0.005
		Pyrite 0.1%					
		traces					
405.00	406.50	Py00.1	405.00	406.50	Q304311	1.50	<0.005
		Pyrite 0.1%					
		traces					
406.50	408.00	Py00.1	406.50	408.00	Q304312	1.50	0.005
		Pyrite 0.1%					
		traces					
408.00	409.50	Py00.1	408.00	409.50	Q304313	1.50	0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
408.70	409.00	Vn;50%;Sgq Qak;In;60°;;					
		vein (5 mm - 10 cm) 50% smoky grey quartz quartz-ankerite infilled fractures 60°					
		smoky grey quartz-ankerite veins					
409.50	411.00	Py00.1	409.50	411.00	Q304314	1.50	0.007
		Pyrite 0.1%					
		traces					
411.00	412.50	Py00.1	411.00	412.50	Q304315	1.50	<0.005
		Pyrite 0.1%					
		traces					
412.50	414.00	Py00.1	412.50	414.00	Q304316	1.50	<0.005
		Pyrite 0.1%					
		traces					
414.00	415.50	Py00.1	414.00	415.50	Q304317	1.50	<0.005
		Pyrite 0.1%					
		traces					
415.50	417.00	Py00.1	415.50	417.00	Q304318	1.50	<0.005
		Pyrite 0.1%					
		traces					
417.00	418.50	Py00.1	417.00	418.50	Q304319	1.50	<0.005
		Pyrite 0.1%					
		traces					
418.50	420.00	Py00.1	418.50	420.00	Q304320	1.50	0.015
		Pyrite 0.1%					
		traces					
420.00		**End of DDH**					
		Number of samples: 247					
		Number of QAQC samples: 20					
		Total sampled length: 370.00					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_87

Drilled by:	Major	Claims title:	L9987	Section:	
Described by:	Gilles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	21/04/2014	Description date:	23/04/2014
		To:	24/04/2014		

Collar

Azimuth: 45.0°
Dip: -50.0°
Length: 407.60 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,400.939
North	0.0	0.000	5,332,251.179
Elevation	0.0	0.000	340.170

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	45.0°	-50.0°	No	
ReflexEZS	78.00	44.3°	-55.4°	No	Mag = 55635
ReflexEZS	138.00	45.8°	-58.3°	No	Mag = 55145
ReflexEZS	198.00	43.8°	-60.8°	No	Mag = 55154
ReflexEZS	258.00	46.0°	-62.9°	No	Mag = 55265
ReflexEZS	318.00	48.5°	-64.3°	No	Mag = 55113
ReflexEZS	378.00	52.6°	-64.6°	Yes	Mag = 54837

Description

Re-logged by Mike Laliberty July, 2014.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	67.00	OVB					
		Overburden					
		Overburden.					
67.00	289.00	V4; FlBand; Fol	67.00	68.00	Q209886	1.00	<0.005
		Trachyte; FLOWBANDED; Foliated	68.00	69.00	Q209887	1.00	<0.005
		Medium green/grey fine grained flowbanded and foliated tuffacious trachyte flow. Localized pyroclastic	69.00	70.50	Q209888	1.50	0.005
		intervals have pinkish rounded pumice clasts. Intervals of S-C folding are fairly common as well as weaker	70.50	72.00	Q209889	1.50	0.006
		folding/deformation. Foliation up hole is weak to moderate and intermittent but becomes more pervasive and	72.00	73.50	Q209890	1.50	0.008
		moderate to strong down hole. Moderate to strong pervasive calcitic alteration fades out around 252m, weak	73.50	75.00	Q209891	1.50	<0.005
		localized vein-controlled ankeritic alteration up hole becomes moderate and pervasive around 252m, weak to	75.00	76.50	Q209892	1.50	<0.005
		moderate green chloritic alteration, weak to moderate localized sericitic alteration up hole (beomes more	76.50	78.00	Q209893	1.50	<0.005
		prevalent with increased deformation/stronger foliation) and weak vein-controlled potassic alteration.	78.00	79.50	Q209894	1.50	<0.005
		Moderately to strongly magnetic. 5% narrow calcite gashes and veins as well as occasional late ankerite/qtz					
		veining +/- potassic alteration. Occasional fault gouge intervals. Trace pyrite.					
		@255-261 m the intensity of deformation encrease with sericite alteration					
67.00	252.00	Ca02; Ank01; Cl02; Se01; K01					
		Calcite 2; Ankerite 1; Chlorite 2; Sericite 1; Potassic 1					
		Weak to moderate pervasive calcitic alteration, weak localized vein-controlled ankeritic alteration, weak					
		to moderate green chloritic alteration, weak to moderate localized sericitic alteration and weak					
		vein-controlled potassic alteration.					
67.00	78.15	Fln					
		Foliation 30°					
		Weak intermittent foliation at 25-35 dtca.					
67.00	244.20	Vn;5%;Ca;Ra;;Py00;					
		vein (5 mm - 10 cm) 5% calcite random Pyrite 0%					
		Calcite gashes, veins and veinlets. Minor late ankerite/qtz veining +/- potassic alteration.					
78.15	78.20	Gg					
		Fault gouge 45°					
		5cm wide fault gouge with contact angles at approximately 45 dtca.					
78.20	191.20	Fln	79.50	81.00	Q209895	1.50	<0.005
		Foliation 30°	81.00	82.50	Q209896	1.50	<0.005
		Weak to moderate intermittent foliation at 20-40 dtca with common intervals of S-C folding and weaker	82.50	84.00	Q209897	1.50	0.006
		deformations.	84.00	85.50	Q209898	1.50	<0.005
			85.50	87.00	Q209899	1.50	0.006
			87.00	88.50	Q209902	1.50	<0.005
			88.50	90.00	Q209903	1.50	<0.005
			90.00	91.50	Q209904	1.50	<0.005
			91.50	93.00	Q209905	1.50	<0.005
			93.00	94.50	Q209906	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	94.50	96.00	Q209907	1.50	<0.005
	96.00	97.50	Q209908	1.50	<0.005
	97.50	99.00	Q209909	1.50	0.006
	99.00	100.50	Q209910	1.50	<0.005
	100.50	102.00	Q209911	1.50	<0.005
	102.00	103.50	Q209912	1.50	0.007
	103.50	105.00	Q209913	1.50	0.007
	105.00	106.50	Q209914	1.50	0.007
	106.50	108.00	Q209915	1.50	<0.005
	108.00	109.50	Q209916	1.50	<0.005
	109.50	111.00	Q209917	1.50	0.006
	111.00	112.50	Q209918	1.50	<0.005
	112.50	114.00	Q209919	1.50	<0.005
	114.00	115.50	Q209920	1.50	0.006
	115.50	117.00	Q209921	1.50	0.005
	117.00	118.50	Q209922	1.50	0.005
	118.50	120.00	Q209923	1.50	0.008
	120.00	121.50	Q209924	1.50	0.016
	121.50	123.00	Q209927	1.50	<0.005
	123.00	124.50	Q209928	1.50	<0.005
	124.50	126.00	Q209929	1.50	0.006
	126.00	127.50	Q209930	1.50	<0.005
	127.50	129.00	Q209931	1.50	<0.005
	129.00	130.50	Q209932	1.50	<0.005
	130.50	132.00	Q209933	1.50	<0.005
	132.00	133.50	Q209934	1.50	<0.005
	133.50	135.00	Q209935	1.50	<0.005
	135.00	136.50	Q209936	1.50	0.01
	136.50	138.00	Q209937	1.50	0.007
	138.00	139.50	Q209938	1.50	0.008
	139.50	141.00	Q209939	1.50	0.007
	141.00	142.50	Q209940	1.50	0.006
	142.50	144.00	Q209941	1.50	0.008
	144.00	145.50	Q209942	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			145.50	147.00	Q209943	1.50	<0.005
			147.00	148.50	Q209944	1.50	<0.005
			148.50	150.00	Q209945	1.50	<0.005
			150.00	151.50	Q209946	1.50	<0.005
			151.50	153.00	Q209947	1.50	<0.005
			153.00	154.50	Q209948	1.50	<0.005
			154.50	156.00	Q209949	1.50	<0.005
			156.00	157.50	Q209952	1.50	<0.005
			157.50	159.00	Q209953	1.50	<0.005
			159.00	160.50	Q209954	1.50	<0.005
			160.50	162.00	Q209955	1.50	<0.005
			162.00	163.50	Q209956	1.50	<0.005
			163.50	165.00	Q209957	1.50	<0.005
			165.00	166.50	Q209958	1.50	<0.005
			166.50	168.00	Q209959	1.50	<0.005
			168.00	169.50	Q209960	1.50	<0.005
			169.50	171.00	Q209961	1.50	<0.005
			171.00	172.50	Q209962	1.50	<0.005
			172.50	174.00	Q209963	1.50	<0.005
			174.00	175.50	Q209964	1.50	<0.005
			175.50	177.00	Q209965	1.50	<0.005
			177.00	178.50	Q209966	1.50	<0.005
			178.50	180.00	Q209967	1.50	<0.005
			180.00	181.50	Q209968	1.50	<0.005
			181.50	183.00	Q209969	1.50	<0.005
			183.00	184.50	Q209970	1.50	<0.005
			184.50	186.00	Q209971	1.50	0.03
			186.00	187.50	Q209972	1.50	0.008
			187.50	189.00	Q209973	1.50	0.008
			189.00	190.50	Q209974	1.50	0.008
			190.50	192.00	Q209977	1.50	0.005
191.20	191.50	Ctc Flt **Cataclastic Fault 40°** Fault breccia with ~10cm of gouge marking the lower contact at 40 dtca.					

Description			Assay				
			From	To	Sample number	Length	AuBest
191.50	229.10	Fln	192.00	193.50	Q209978	1.50	<0.005
		Foliation 50°	193.50	195.00	Q209979	1.50	<0.005
		Weak to moderate foliation at 25-70 dtca with common S-C folding and weaker deformations.	195.00	196.50	Q209980	1.50	<0.005
			196.50	198.00	Q209981	1.50	<0.005
			198.00	199.50	Q209982	1.50	<0.005
			199.50	201.00	Q209983	1.50	0.03
			201.00	202.50	Q209984	1.50	0.488
			202.50	204.00	Q209985	1.50	<0.005
			204.00	205.50	Q209986	1.50	<0.005
			205.50	207.00	Q209987	1.50	<0.005
			207.00	208.50	Q209988	1.50	<0.005
			208.50	210.00	Q209989	1.50	<0.005
			210.00	211.50	Q209990	1.50	<0.005
			211.50	213.00	Q209991	1.50	<0.005
			213.00	214.50	Q209992	1.50	<0.005
			214.50	216.00	Q209993	1.50	<0.005
			216.00	217.50	Q209994	1.50	<0.005
			217.50	219.00	Q209995	1.50	<0.005
			219.00	220.50	Q209996	1.50	0.005
			220.50	222.00	Q209997	1.50	<0.005
			222.00	223.50	Q209998	1.50	<0.005
			223.50	225.00	Q209999	1.50	<0.005
			225.00	226.50	R216002	1.50	0.006
			226.50	228.00	R216003	1.50	<0.005
			228.00	229.50	R216004	1.50	0.007
229.10	229.30	Gg					
		Fault gouge 25°					
		Broken up foliated core with minor gouge.					
229.30	270.90	Fln	229.50	231.00	R216005	1.50	<0.005
		Foliation 50°	231.00	232.50	R216006	1.50	<0.005
		Moderate to strong foliation at 25-70 dtca with common S-C folding and weaker deformations.	232.50	234.00	R216007	1.50	<0.005
			234.00	235.50	R216008	1.50	<0.005
			235.50	237.00	R216009	1.50	<0.005
			237.00	238.50	R216010	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			238.50	240.00	R216011	1.50	0.005
			240.00	241.50	R216012	1.50	<0.005
			241.50	243.00	R216013	1.50	<0.005
			243.00	244.50	R216014	1.50	<0.005
244.20	289.00	Vn;5%;Qac;Vn;;;	244.50	246.00	R216015	1.50	<0.005
		vein (5 mm - 10 cm) 5% vein parallel to foliation	246.00	247.50	R216016	1.50	<0.005
		Qtz/ankerite/chlorite +/- sericite and/or potassic alteration. Veins are generally parallel to foliation or flow banding and may be convoluted.	247.50	249.00	R216017	1.50	0.006
			249.00	250.50	R216018	1.50	0.008
			250.50	252.00	R216019	1.50	<0.005
252.00	289.00	Ank02; Cl02; Se02; K01	252.00	253.50	R216020	1.50	<0.005
		Ankerite 2; Chlorite 2; Sericite 2; Potassic 1	253.50	255.00	R216021	1.50	<0.005
		Moderate to strong pervasive and vein-controlled ankeritic alteration, moderate fracture and foliation-controlled chloritic alteration, moderate foliation-controlled sericitic alteration and weak vein-controlled potassic alteration.	255.00	256.50	R216022	1.50	0.005
			256.50	258.00	R216023	1.50	<0.005
			258.00	259.50	R216024	1.50	<0.005
			259.50	261.00	R216027	1.50	<0.005
			261.00	262.50	R216028	1.50	<0.005
			262.50	264.00	R216029	1.50	<0.005
			264.00	265.50	R216030	1.50	<0.005
			265.50	267.00	R216031	1.50	<0.005
			267.00	268.50	R216032	1.50	<0.005
			268.50	270.00	R216033	1.50	<0.005
			270.00	271.50	R216034	1.50	<0.005
270.90	276.90	FAZ	271.50	273.00	R216035	1.50	0.005
		Fault Zone 50°	273.00	274.50	R216036	1.50	<0.005
		Broken core strongly foliated at 25-70 dtca with minor fault gouge throughout interval. Common slips crosscutting foliation at angles ranging from 25-40 dtca. Trace py and cpy.	274.50	276.00	R216037	1.50	0.011
			276.00	277.50	R216038	1.50	<0.005
276.90	287.15	Fln	277.50	279.00	R216039	1.50	<0.005
		Foliation 50°	279.00	280.50	R216040	1.50	<0.005
		Moderate to strong foliation at 25-70 dtca with common S-C folding and weaker deformations.	280.50	282.00	R216041	1.50	<0.005
			282.00	283.50	R216042	1.50	<0.005
			283.50	285.00	R216043	1.50	<0.005
			285.00	286.50	R216044	1.50	<0.005
			286.50	288.00	R216045	1.50	0.008
287.15	287.20	Gg					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fault gouge 60°					
		Bright brick red coated fault gouge.					
287.20	289.00	Fln					
		Foliation 40°					
		Moderate to strong foliaton at 35-45 dtca.					
288.00	384.00	Py00.5; Cp00.1	288.00	289.50	R216046	1.50	0.01
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Trace to 0.5% disseminated py with localized trace to 1% cpy associated with ankerite veining.					
289.00	396.24	V4; Fra	289.50	291.00	R216047	1.50	0.039
		Trachyte 45°; Fractured	291.00	292.50	R216048	1.50	0.027
		Brownish-medium grey (with isolated reddish patches) fine grained highly (micro)fractured massive trachyte.	292.50	294.00	R216049	1.50	0.016
		Occasional altered feldspar porphyry dykes. Generally weak to moderate but locally strong pervasive	294.00	295.50	R216052	1.50	0.025
		ankeritic alteration, moderate to locally strong fracture-controlled chloritic alteration, weak to moderate vein and	295.50	297.00	R216053	1.50	0.031
		fracture-controlled potassic alteration as well as intervals of leucoxene blebs. Moderately to strongly magnetic.	297.00	298.50	R216054	1.50	0.026
		<1% ankerite +/- qtz and/or chlorite veining but ankerite and chlorite fracture fill comprise ~5%. Trace to 0.5%	298.50	300.00	R216055	1.50	0.041
		py with localized trace cpy. Sharp upper contact at 45 dtca.	300.00	301.50	R216056	1.50	0.06
			301.50	303.00	R216057	1.50	0.028
			303.00	304.50	R216058	1.50	0.028
			304.50	306.00	R216059	1.50	0.011
			306.00	307.50	R216060	1.50	0.006
			307.50	309.00	R216061	1.50	0.007
			309.00	310.50	R216062	1.50	0.016
			310.50	312.00	R216063	1.50	<0.005
			312.00	313.50	R216064	1.50	0.03
			313.50	315.00	R216065	1.50	0.052
			315.00	316.50	R216066	1.50	0.02
			316.50	318.00	R216067	1.50	0.038
			318.00	319.50	R216068	1.50	0.01
			319.50	321.00	R216069	1.50	0.006
			321.00	322.50	R216070	1.50	<0.005
			322.50	324.00	R216071	1.50	<0.005
			324.00	325.50	R216072	1.50	<0.005
			325.50	327.00	R216073	1.50	<0.005
			327.00	328.50	R216074	1.50	<0.005
			328.50	330.00	R216077	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			330.00	331.50	R216078	1.50	<0.005
			331.50	333.00	R216079	1.50	0.006
			333.00	334.50	R216080	1.50	0.01
			334.50	336.00	R216081	1.50	0.005
			336.00	337.50	R216082	1.50	0.007
			337.50	339.00	R216083	1.50	<0.005
			339.00	340.50	R216084	1.50	0.009
			340.50	342.00	R216085	1.50	<0.005
			342.00	343.50	R216086	1.50	0.006
			343.50	345.00	R216087	1.50	<0.005
289.00	364.40	Ank02; Cl02; K01; Lcx01					
		Ankerite 2; Chlorite 2; Potassic 1; Leucoxene 1					
		Generally weak to moderate but locally strong pervasive ankeritic alteration, moderate to locally strong fracture-controlled chloritic alteration, weak to moderate vein and fracture-controlled potassic alteration as well as intervals of leucoxene blebs.					
343.90	345.10	FP; PorFG	345.00	346.50	R216088	1.50	<0.005
		Feldspar Porphyry 20°; PORPHYRITIC (FINE GROUNDMASS)	346.50	348.00	R216089	1.50	<0.005
		Dark grey/black feldspar porphyry dyke. Fine grained groundmass with 50-60% irregular to tabular ankerite altered/replaced feldspar phenocrysts up to 5mm long. Strong pervasive ankerite alteration, moderate fracture-controlled chloritic alteration and a weak fracture-controlled potassic alteration. Weakly magnetic. 1-2% py leaf in chlorite fractures. Sharp contacts at 20/50 dtca.	348.00	349.50	R216090	1.50	<0.005
			349.50	351.00	R216091	1.50	0.005
350.45	350.95	FP; PorFG	351.00	352.50	R216092	1.50	<0.005
		Feldspar Porphyry 40°; PORPHYRITIC (FINE GROUNDMASS)	352.50	354.00	R216093	1.50	<0.005
		Dark grey/black feldspar porphyry dyke. Fine grained groundmass with 50-60% irregular to tabular ankerite altered/replaced feldspar phenocrysts up to 5mm long. Strong pervasive ankerite alteration, moderate fracture-controlled chloritic alteration and a weak fracture-controlled potassic alteration. Weakly magnetic. 1-2% py leaf in chlorite fractures. Sharp contacts at 40 dtca.	354.00	355.50	R216094	1.50	<0.005
			355.50	357.00	R216095	1.50	<0.005
			357.00	358.50	R216096	1.50	<0.005
			358.50	360.00	R216097	1.50	<0.005
358.70	359.00	FP; PorFG	360.00	361.50	R216098	1.50	0.01
		Feldspar Porphyry 40°; PORPHYRITIC (FINE GROUNDMASS)	361.50	363.00	R216099	1.50	<0.005
		Dark grey/black feldspar porphyry dyke. Fine grained groundmass with 50-60% irregular to tabular ankerite altered/replaced feldspar phenocrysts up to 5mm long. Strong pervasive ankerite alteration, moderate fracture-controlled chloritic alteration and a weak fracture-controlled potassic alteration. Weakly magnetic. 1-2% py leaf in chlorite fractures. Sharp contacts at 40/50 dtca.					
362.30	363.00	Ctc Flt	363.00	364.50	R216102	1.50	<0.005
		Cataclastic Fault					
		Highly fractured broken blocky core with minor gouge. Fault angles not preserved.					
364.40	384.35	K03; Cl02; Ank01	364.50	366.00	R216103	1.50	<0.005
		Potassic 3; Chlorite 2; Ankerite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate to strong pervasive potassic alteration, moderate fracture-controlled chloritic alteration and a weak to moderate vein-controlled ankeritic alteration.	366.00	367.50	R216104	1.50	<0.005
367.15	368.60	Vn;2%;Qac;;25°;Cp00.5;	367.50	369.00	R216105	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite 25° Chalcopyrite 0.5%	369.00	370.50	R216106	1.50	<0.005
		1-2% 1cm wide white ankerite +/- qtz and chlorite veining at 25-55 dtca with trace to 0.5% cpy.	370.50	372.00	R216107	1.50	<0.005
			372.00	373.50	R216108	1.50	<0.005
			373.50	375.00	R216109	1.50	<0.005
			375.00	376.50	R216110	1.50	<0.005
			376.50	378.00	R216111	1.50	<0.005
			378.00	379.50	R216112	1.50	<0.005
378.80	383.80	Vn;10%;Qac;ln;20°;Cp00.5;	379.50	381.00	R216113	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite infilled fractures 20° Chalcopyrite 0.5%					
		Ankerite/chlorite +/- qtz veining, fracture fill and breccia cement at 20 dtca with 1% cpy and up to 1% py along margins.					
380.55	380.85	Bxh	381.00	382.50	R216114	1.50	<0.005
		Breccia healed 20°	382.50	384.00	R216115	1.50	0.006
		Ankerite/chlorite with minor qtz cement of hydrothermal breccia with 1% cpy and 1% py.					
383.25	383.55	Bxh	384.00	385.50	R216116	1.50	<0.005
		Breccia healed 20°					
		Ankerite/chlorite with minor qtz cement of hydrothermal breccia with 0.5% cpy and trace py.					
384.35	396.24	Ca03; Cl02; K01	385.50	387.00	R216117	1.50	<0.005
		Calcite 3; Chlorite 2; Potassic 1	387.00	388.50	R216118	1.50	<0.005
		Moderate to strong pervasive calcitic alteration, moderate fracture-controlled chloritic alteration, and a weak to moderate patchy potassic alteration.	388.50	390.00	R216119	1.50	<0.005
			390.00	391.50	R216120	1.50	<0.005
			391.50	393.00	R216121	1.50	<0.005
			393.00	394.50	R216122	1.50	<0.005
			394.50	396.00	R216123	1.50	0.007
			396.00	397.50	R216124	1.50	<0.005
396.24	407.60	V13; Phan	397.50	399.00	R216127	1.50	<0.005
		Ultramafic flow 40°; PHANERITIC	399.00	400.50	R216128	1.50	<0.005
		Black medium grained ultramafic with visible amphiboles and possible pyroxenes. Moderate to strong pervasive ankeritic alteration to ~403m where it becomes moderate to strong pervasive calcitic alteration to EOH. Moderate fracture-controlled chloritic alteration. Highly fractured core from 403.5m to EOH with friable rock and gouge. Strongly magnetic. Trace veining. No visible py.	400.50	402.00	R216129	1.50	<0.005
			402.00	403.50	R216130	1.50	<0.005
396.24	403.00	Ank03; Cl02					
		Ankerite 3; Chlorite 2					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong pervasive ankeritic alteration and a moderate to strong fracture-controlled chloritic alteration.					
396.24	396.30	FLT					
		Fault 40°					
		Fault gouge.					
403.00	407.60	Ca02; Cl02					
		Calcite 2; Chlorite 2					
		Moderate to strong pervasive calcitic alteration and a moderate to strong fracture-controlled chloritic alteration.					
403.50	406.80	FLT	403.50	405.00	R216131	1.50	<0.005
		Fault	405.00	406.50	R216132	1.50	<0.005
		Highly fractured core with intervals of friable rock and gouge. Fault angles not preserved.	406.50	407.60	R216133	1.10	<0.005
407.60		**End of DDH**					
		Number of samples: 228					
		Number of QAQC samples: 20					
		Total sampled length: 340.60					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_88

Drilled by:	Major	Claims title:	LS498	Section:	
Described by:	Reza Hosseinnejad	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	22/04/2014	Description date:	26/04/2014
		To:	26/04/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 462.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,028.238
North	0.0	0.000	5,332,188.085
Elevation	0.0	0.000	340.627

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	42.00	359.4°	-50.6°	No	Mag = 55812
ReflexEZS	102.00	5.2°	-49.4°	No	Mag = 55599
ReflexEZS	162.00	8.3°	-48.3°	No	Mag = 56193
ReflexEZS	222.00	11.7°	-48.4°	No	Mag = 56017
ReflexEZS	282.00	11.1°	-48.6°	No	Mag = 56329
ReflexEZS	342.00	11.9°	-48.7°	No	Mag = 56292
ReflexEZS	402.00	15.6°	-48.5°	No	Mag = 55845
ReflexEZS	462.00	20.0°	-48.4°	No	Mag = 55530

Description

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	29.00	OVB						
		Overburden						
		casing						
29.00	33.90	V4; Lithic						
		Trachyte; LITHIC						
		Greyish green, very fine grained fragmented, ankerite altered lithic trachyte. Few (<1%) reddish subangular small (1-2cm) fragments, pervasive ankeritization, 5-6% crosscutting ankerite veinlets evenly distributed throughout unit. Sharp lower contact, 40TCA.						
29.00	33.90	Ank01		29.00	30.00	Q304336	1.00	0.047
		Ankerite 1		30.00	31.50	Q304337	1.50	0.065
		pervasive		31.50	33.00	Q304338	1.50	0.107
				33.00	34.50	Q304339	1.50	0.323
33.90	96.45	V4; Per						
		Trachyte; PERLITIC						
		Red, aphanitic, weak pervasive potassic alteration of a perlitic textured autobrecciated trachyte flow. Unit contains few grey subangular small (1-2cm or less) fragments of aphanitic trachyte (<1%). Few hairline crosscutting ankerite veinlets (1-2%) and rare (<1%) hairline chlorite seams. Weak isolated magnetism.						
33.90	96.45	K01; Ank01		34.50	36.00	Q304340	1.50	0.153
		Potassic 1; Ankerite 1		36.00	37.50	Q304341	1.50	0.429
		pervasive		37.50	39.00	Q304342	1.50	0.479
				39.00	40.50	Q304343	1.50	1.005
				40.50	42.00	Q304344	1.50	0.226
				42.00	43.50	Q304345	1.50	0.167
				43.50	45.00	Q304346	1.50	0.073
				45.00	46.50	Q304347	1.50	0.084
				46.50	48.00	Q304348	1.50	0.197
				48.00	49.50	Q304349	1.50	0.22
				49.50	51.00	Q304352	1.50	0.44
				51.00	52.50	Q304353	1.50	0.13
				52.50	54.00	Q304354	1.50	1.08
				54.00	55.50	Q304355	1.50	0.406
				55.50	57.00	Q304356	1.50	0.352
				57.00	58.50	Q304357	1.50	0.215
				58.50	60.00	Q304358	1.50	0.095
				60.00	61.50	Q304359	1.50	0.16
				61.50	63.00	Q304360	1.50	0.292

Description				Assay				
				From	To	Sample number	Length	AuBest
				63.00	64.50	Q304361	1.50	0.06
				64.50	66.00	Q304362	1.50	0.045
				66.00	67.50	Q304363	1.50	0.1
				67.50	69.00	Q304364	1.50	0.091
				69.00	70.50	Q304365	1.50	0.208
				70.50	72.00	Q304366	1.50	0.295
				72.00	73.50	Q304367	1.50	0.345
				73.50	75.00	Q304368	1.50	0.221
				75.00	76.50	Q304369	1.50	0.092
				76.50	78.00	Q304370	1.50	0.135
				78.00	79.50	Q304371	1.50	0.116
				79.50	81.00	Q304372	1.50	0.36
				81.00	82.50	Q304373	1.50	0.191
				82.50	84.00	Q304374	1.50	0.244
				84.00	85.50	Q304377	1.50	0.621
				85.50	87.00	Q304378	1.50	0.449
				87.00	88.50	Q304379	1.50	0.238
				88.50	90.00	Q304380	1.50	0.219
				90.00	91.50	Q304381	1.50	0.419
				91.50	93.00	Q304382	1.50	0.368
				93.00	94.50	Q304383	1.50	0.332
				94.50	96.00	Q304384	1.50	0.241
				96.00	97.50	Q304385	1.50	0.11
96.45	119.10		V4; Por; Cry					
			Trachyte; Porphyritic; CRYSTALRICH					
			Red and green, chloritic porphyritic trachyte. Unit consists of approximately 40-45% anhedral to subhedral, white to light pinkish felspar porphoroblasts <1 to 5mm, trace to 5% pink to reddish glassy trachyte fragments, trace amounts of a medium size (mm scale) anhedral dark green chlorite fragments and 50% chloritic, light green, soft matrix. Upper contact is transitional over 10cm, lower contact is brecciated over 1-2m. Groundmass is pervasively moderately altered by a light green chlorite.					
96.45	119.10		Cl02	97.50	99.00	Q304386	1.50	0.006
			Chlorite 2	99.00	100.50	Q304387	1.50	0.009
			pervasive, moderate, of groundmass, light green	100.50	102.00	Q304388	1.50	0.038
				102.00	103.50	Q304389	1.50	0.018
				103.50	105.00	Q304390	1.50	0.008

Description				Assay				
				From	To	Sample number	Length	AuBest
				105.00	106.50	Q304391	1.50	0.014
				106.50	108.00	Q304392	1.50	0.142
				108.00	109.50	Q304393	1.50	0.014
				109.50	111.00	Q304394	1.50	0.006
				111.00	112.50	Q304395	1.50	0.005
				112.50	114.00	Q304396	1.50	0.155
				114.00	115.50	Q304397	1.50	0.374
				115.50	117.00	Q304398	1.50	0.241
				117.00	118.50	Q304399	1.50	0.169
				118.50	120.00	Q304402	1.50	0.069
119.10	123.60		V4; Hya **Trachyte; Hyaloclastite** Chill margin zone consisting of alternating pink aphanitic trachyte (few cm's thick) and a dark to light green, aphanitic, chloritic hyaloclastite chill margins. Internal contacts are sharp and irregular. Unit is weakly ankeritized with pink to red, potassic, trachyite fragments.					
	119.10	133.55	Ank01; K01 **Ankerite 1; Potassic 1** pervasive weak ankerite, potassic favours the trachytic fragments.	120.00	121.50	Q304403	1.50	0.046
				121.50	123.00	Q304404	1.50	0.045
				123.00	124.50	Q304405	1.50	0.076
123.60	238.93		V4; Per **Trachyte; PERLITIC** Red to red and grey patchy, aphanitic, perlitic textured trachyte flow. Unit is crosscut by hairline veinlets of ankerite, (<1%). Alteration consists of alternating patches of potassic, sericite and ankerite and ankerite alone. Lower contact is brecciated but clearly definable.	124.50	126.00	Q304406	1.50	0.255
				126.00	127.50	Q304407	1.50	0.185
				127.50	129.00	Q304408	1.50	0.487
				129.00	130.50	Q304409	1.50	1.3
				130.50	132.00	Q304410	1.50	0.223
				132.00	133.50	Q304411	1.50	1.32
				133.50	135.00	Q304412	1.50	0.205
	133.55	136.50	Ank01 **Ankerite 1** pervasive	135.00	136.50	Q304413	1.50	0.041
	136.50	144.44	K01; Ank01 **Potassic 1; Ankerite 1** pervasive	136.50	138.00	Q304414	1.50	0.562
				138.00	139.50	Q304415	1.50	0.314
				139.50	141.00	Q304416	1.50	0.13
				141.00	142.50	Q304417	1.50	0.246
				142.50	144.00	Q304418	1.50	0.13
				144.00	145.50	Q304419	1.50	0.147
	144.44	148.30	Ank01; K01; Cl01	145.50	147.00	Q304420	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
		Ankerite 1; Potassic 1; Chlorite 1	147.00	148.50	Q304421	1.50	0.055
		pervasive ankerite, potassic, very weak chlorite					
148.30	157.90	K01; Ank01	148.50	150.00	Q304422	1.50	0.166
		Potassic 1; Ankerite 1	150.00	151.50	Q304423	1.50	0.586
		pervasive	151.50	153.00	Q304424	1.50	0.444
			153.00	154.50	Q304427	1.50	0.307
			154.50	156.00	Q304428	1.50	0.221
			156.00	157.50	Q304429	1.50	0.694
			157.50	159.00	Q304430	1.50	1.135
157.90	159.70	Ank01; K01	159.00	160.50	Q304431	1.50	0.132
		Ankerite 1; Potassic 1					
		pervasive					
159.70	163.40	Ank01; Cl01	160.50	162.00	Q304432	1.50	0.529
		Ankerite 1; Chlorite 1	162.00	163.50	Q304433	1.50	0.035
		pervasive					
163.40	180.93	Ank01; K01	163.50	165.00	Q304434	1.50	0.031
		Ankerite 1; Potassic 1	165.00	166.50	Q304435	1.50	0.025
		pervasive	166.50	168.00	Q304436	1.50	0.086
			168.00	169.50	Q304437	1.50	0.17
			169.50	171.00	Q304438	1.50	0.175
			171.00	172.50	Q304439	1.50	0.104
			172.50	174.00	Q304440	1.50	0.4
			174.00	175.50	Q304441	1.50	0.511
			175.50	177.00	Q304442	1.50	0.103
			177.00	178.50	Q304443	1.50	0.091
			178.50	180.00	Q304444	1.50	0.167
			180.00	181.50	Q304445	1.50	0.059
180.93	184.34	Ank02; K01	181.50	183.00	Q304446	1.50	0.106
		Ankerite 2; Potassic 1	183.00	184.50	Q304447	1.50	0.022
		moderate pervasive ankerite, weak patchy potassic					
184.34	195.00	K01; Ank01	184.50	186.00	Q304448	1.50	0.071
		Potassic 1; Ankerite 1	186.00	187.50	Q304449	1.50	0.054
		peravasive	187.50	189.00	Q304452	1.50	0.51
			189.00	190.50	Q304453	1.50	0.272
			190.50	192.00	Q304454	1.50	0.05
			192.00	193.50	Q304455	1.50	0.211

Description			Assay				
			From	To	Sample number	Length	AuBest
			193.50	195.00	Q304456	1.50	0.256
195.00	198.53	Ank02	195.00	196.50	Q304457	1.50	0.355
		Ankerite 2	196.50	198.00	Q304458	1.50	0.026
		moderate pervasive	198.00	199.50	Q304459	1.50	0.042
198.53	206.90	Ank02; Se01	199.50	201.00	Q304460	1.50	0.025
		Ankerite 2; Sericite 1	201.00	202.50	Q304461	1.50	0.05
		moderate pervasive ankerite, weak pervasive to patchy sericite	202.50	204.00	Q304462	1.50	0.211
			204.00	205.50	Q304463	1.50	0.018
			205.50	207.00	Q304464	1.50	0.028
206.90	210.00	Ank02	207.00	208.50	Q304465	1.50	0.754
		Ankerite 2	208.50	210.00	Q304466	1.50	0.386
		moderate pervasive					
210.00	210.67	Ank02; K01	210.00	211.50	Q304467	1.50	0.33
		Ankerite 2; Potassic 1					
		moderate pervasive ankerite, weak potassic					
210.67	213.40	Ank02	211.50	213.00	Q304468	1.50	1.53
		Ankerite 2	213.00	214.50	Q304469	1.50	1.335
		moderate pervasive					
213.40	228.80	Ank02; K01	214.50	216.00	Q304470	1.50	0.391
		Ankerite 2; Potassic 1	216.00	217.50	Q304471	1.50	0.195
		moderate pervasive ankerite, weak patchy potassic	217.50	219.00	Q304472	1.50	0.273
			219.00	220.50	Q304473	1.50	0.899
			220.50	222.00	Q304474	1.50	0.312
			222.00	223.50	Q304477	1.50	0.196
			223.50	225.00	Q304478	1.50	0.145
			225.00	226.50	Q304479	1.50	0.086
			226.50	228.00	Q304480	1.50	0.626
			228.00	229.50	Q304481	1.50	0.155
228.80	238.93	Ank02	229.50	231.00	Q304482	1.50	0.015
		Ankerite 2	231.00	232.50	Q304483	1.50	0.133
		moderate perverted	232.50	234.00	Q304484	1.50	0.292
			234.00	235.50	Q304485	1.50	0.953
			235.50	237.00	Q304486	1.50	1.5
			237.00	238.50	Q304487	1.50	4.82
			238.50	240.00	Q304488	1.50	0.135

Description			Assay				
			From	To	Sample number	Length	AuBest
238.93	310.57	S1 **Conglomerate** A poorly sorted polymictic conglomerate unit composed primarily of subrounded to rounded aphanitic green, yellowish and greyish clasts with sizes ranging from few millimeters to several centimeters. Rare (<1%) vibrant red, angular to rounded aphanitic clasts are also present as are a similar vibrant green population - both are randomly distributed throughout. A subset of the clast population is weakly ankeritized but the unit and matrix as a whole is not. Rare medium grained intervals of sand are observed, are rarely more than 10cm in thickness. Unit is crosscut by rare, <1%, mm scale to up to 1-2cm wide quartz +/- ankerite veins. Lower contact sharp, 65TCA.	240.00	241.50	Q304489	1.50	0.072
			241.50	243.00	Q304490	1.50	0.057
			243.00	244.50	Q304491	1.50	0.068
			244.50	246.00	Q304492	1.50	0.051
			246.00	247.50	Q304493	1.50	0.049
			247.50	249.00	Q304494	1.50	0.043
			249.00	250.50	Q304495	1.50	0.054
			250.50	252.00	Q304496	1.50	0.045
			252.00	253.50	Q304497	1.50	0.045
			253.50	255.00	Q304498	1.50	0.061
			255.00	256.50	Q304499	1.50	0.065
			256.50	258.00	Q304502	1.50	0.03
			258.00	259.50	Q304503	1.50	0.045
			259.50	261.00	Q304504	1.50	0.065
			261.00	262.50	Q304505	1.50	0.051
			262.50	264.00	Q304506	1.50	0.041
			264.00	265.50	Q304507	1.50	0.077
			265.50	267.00	Q304508	1.50	0.078
			267.00	268.50	Q304509	1.50	0.092
			268.50	270.00	Q304510	1.50	0.088
			270.00	271.50	Q304511	1.50	0.061
			271.50	273.00	Q304512	1.50	0.047
			273.00	274.50	Q304513	1.50	0.063
			274.50	276.00	Q304514	1.50	0.069
			276.00	277.50	Q304515	1.50	0.056
			277.50	279.00	Q304516	1.50	0.056
			279.00	280.50	Q304517	1.50	0.054
			280.50	282.00	Q304518	1.50	0.228
			282.00	283.50	Q304519	1.50	0.065
			283.50	285.00	Q304520	1.50	0.163
			285.00	286.50	Q304521	1.50	0.073
			286.50	288.00	Q304522	1.50	0.037
			288.00	289.50	Q304523	1.50	0.069
			289.50	291.00	Q304524	1.50	0.066

Description				Assay				
				From	To	Sample number	Length	AuBest
				291.00	292.50	Q304527	1.50	0.038
				292.50	294.00	Q304528	1.50	0.049
				294.00	295.50	Q304529	1.50	0.044
				295.50	297.00	Q304530	1.50	0.049
				297.00	298.50	Q304531	1.50	0.101
				298.50	300.00	Q304532	1.50	0.031
				300.00	301.50	Q304533	1.50	0.027
				301.50	303.00	Q304534	1.50	0.127
				303.00	304.50	Q304535	1.50	0.086
				304.50	306.00	Q304536	1.50	0.083
				306.00	307.50	Q304537	1.50	0.102
				307.50	309.00	Q304538	1.50	0.024
				309.00	310.50	Q304539	1.50	0.012
				310.50	312.00	Q304540	1.50	<0.005
238.93	243.00	Ank01 **Ankerite 1** weak and patchy						
310.57	328.55	V4; FlBand **Trachyte 65°; FLOWBANDED** Light green, very fine grained flowbanded ankeritic and sericitic trachyte. Sharp upper and lower contacts, 65 and 60TCA respectively with a 1cm chill margin on the lower contact. Alteration is pervasive weak ankerite with wispy patchy sericite. Rare, <<1% small, angular vibrant green clasts/fragments are present in this unit. Unit is crosscut by rare, <<1%, narrow (less than 1cm) veinlets of ankerite.						
310.57	328.55	Ank01 **Ankerite 1** pervasive, weak		312.00	313.50	Q304541	1.50	<0.005
				313.50	315.00	Q304542	1.50	<0.005
				315.00	316.50	Q304543	1.50	<0.005
				316.50	318.00	Q304544	1.50	<0.005
				318.00	319.50	Q304545	1.50	<0.005
				319.50	321.00	Q304546	1.50	<0.005
				321.00	322.50	Q304547	1.50	<0.005
				322.50	324.00	Q304548	1.50	<0.005
				324.00	325.50	Q304549	1.50	<0.005
				325.50	327.00	Q304552	1.50	<0.005
				327.00	328.50	Q304553	1.50	<0.005
				328.50	330.00	Q304554	1.50	0.094

Description			Assay				
			From	To	Sample number	Length	AuBest
328.55	335.83	S1	330.00	331.50	Q304555	1.50	0.046
		Conglomerate	331.50	333.00	Q304556	1.50	0.02
		As above described conglomerate unit. Sharp upper and lower contacts, 60 and 50 TCA respectively.	333.00	334.50	Q304557	1.50	0.016
			334.50	336.00	Q304558	1.50	0.033
335.83	462.00	V4; Fol; Vol	336.00	337.50	Q304559	1.50	0.033
		Trachyte; Foliated; VOLCANICLASTIC	337.50	339.00	Q304560	1.50	0.005
		Deformed paleobasement trachyte volcanoclastic rocks. Pervasive weak ankeritization and chloritization of	339.00	340.50	Q304561	1.50	0.01
		upper portion of unit. Moderately to well foliated with rotated clasts with pressure shadows. Matrix is an	340.50	342.00	Q304562	1.50	<0.005
		aphanitic, pervasively weakly chloritized material with up to 50% rounded and often rotated clasts of pinkish to	342.00	343.50	Q304563	1.50	<0.005
		greyish trachyte, mm size to up to 1-2cm. Sericite observed along foliation planes but is very minor, <<1%. Few	343.50	345.00	Q304564	1.50	0.005
		crosscutting ankerite veinlets and quartz-ankerite veinlets, generally less than 1cm in width.	345.00	346.50	Q304565	1.50	<0.005
			346.50	348.00	Q304566	1.50	<0.005
			348.00	349.50	Q304567	1.50	<0.005
			349.50	351.00	Q304568	1.50	<0.005
			351.00	352.50	Q304569	1.50	<0.005
			352.50	354.00	Q304570	1.50	<0.005
			354.00	355.50	Q304571	1.50	<0.005
			355.50	357.00	Q304572	1.50	<0.005
			357.00	358.50	Q304573	1.50	<0.005
			358.50	360.00	Q304574	1.50	<0.005
			360.00	361.50	Q304577	1.50	<0.005
			361.50	363.00	Q304578	1.50	<0.005
			363.00	364.50	Q304579	1.50	<0.005
			364.50	366.00	Q304580	1.50	<0.005
			366.00	367.50	Q304581	1.50	<0.005
			367.50	369.00	Q304582	1.50	<0.005
			369.00	370.50	Q304583	1.50	<0.005
			370.50	372.00	Q304584	1.50	<0.005
			372.00	373.50	Q304585	1.50	<0.005
			373.50	375.00	Q304586	1.50	<0.005
			375.00	376.50	Q304587	1.50	<0.005
			376.50	378.00	Q304588	1.50	<0.005
			378.00	379.50	Q304589	1.50	<0.005
335.83	378.96	Cl01; Ank01					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Chlorite 1; Ankerite 1					
		weak pervasive					
378.55	378.96	Vm;;Qak;Vc;;;					
		major vein (10 cm or greater) quartz-ankerite vein cross-cutting foliation					
		90% quartz, 10% ankerite					
378.96	400.17	K01; Cl01	379.50	381.00	Q304590	1.50	<0.005
		Potassic 1; Chlorite 1					
		patchy and blotchy potassic alteration with pervasive weak background light green chlorite.					
380.80	381.00	Vm;60%;Qak;Vc;;;	381.00	382.50	Q304591	1.50	0.007
		major vein (10 cm or greater) 60% quartz-ankerite vein cross-cutting foliation	382.50	384.00	Q304592	1.50	<0.005
		95% quartz, 5% ankerite	384.00	385.50	Q304593	1.50	0.006
			385.50	387.00	Q304594	1.50	0.008
			387.00	388.50	Q304595	1.50	<0.005
			388.50	390.00	Q304596	1.50	0.028
			390.00	391.50	Q304597	1.50	0.011
			391.50	393.00	Q304598	1.50	0.009
			393.00	394.50	Q304599	1.50	<0.005
			394.50	396.00	Q304602	1.50	0.012
			396.00	397.50	Q304603	1.50	<0.005
			397.50	399.00	Q304604	1.50	0.006
			399.00	400.50	Q304605	1.50	<0.005
400.17	403.13	K01	400.50	402.00	Q304606	1.50	<0.005
		Potassic 1	402.00	403.50	Q304607	1.50	<0.005
		pervasive					
403.13	438.90	Ank01; Cl01	403.50	405.00	Q304608	1.50	0.011
		Ankerite 1; Chlorite 1	405.00	406.50	Q304609	1.50	0.006
		pervasive	406.50	408.00	Q304610	1.50	0.022
			408.00	409.50	Q304611	1.50	0.012
			409.50	411.00	Q304612	1.50	0.025
			411.00	412.50	Q304613	1.50	0.022
			412.50	414.00	Q304614	1.50	0.015
			414.00	415.50	Q304615	1.50	0.011
			415.50	417.00	Q304616	1.50	0.017
			417.00	418.50	Q304617	1.50	0.01
			418.50	420.00	Q304618	1.50	0.009
			420.00	421.50	Q304619	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			421.50	423.00	Q304620	1.50	0.009
			423.00	424.50	Q304621	1.50	0.011
			424.50	426.00	Q304622	1.50	0.014
			426.00	427.50	Q304623	1.50	0.011
			427.50	429.00	Q304624	1.50	0.008
			429.00	430.50	Q304627	1.50	0.014
			430.50	432.00	Q304628	1.50	<0.005
			432.00	433.50	Q304629	1.50	0.006
			433.50	435.00	Q304630	1.50	0.015
			435.00	436.50	Q304631	1.50	0.011
			436.50	438.00	Q304632	1.50	0.009
			438.00	439.50	Q304633	1.50	0.011
438.90	456.90	Cl01	439.50	441.00	Q304634	1.50	0.008
		Chlorite 1	441.00	442.50	Q304635	1.50	0.007
		pervasive	442.50	444.00	Q304636	1.50	0.006
			444.00	445.50	Q304637	1.50	<0.005
			445.50	447.00	Q304638	1.50	0.007
			447.00	448.50	Q304639	1.50	0.007
			448.50	450.00	Q304640	1.50	0.006
			450.00	451.50	Q304641	1.50	0.006
			451.50	453.00	Q304642	1.50	0.005
			453.00	454.50	Q304643	1.50	0.011
			454.50	456.00	Q304644	1.50	0.005
			456.00	457.50	Q304645	1.50	0.006
456.90	457.70	V4; Por					
		Trachyte; Porphyritic					
		Porphyritic unit with 1-5mm aphanitic rounded reddish pink porphoroblasts (50-50 ratio) in a sericitic matrix. Upper contact sharp, 70TCA, no chill margin observed, lower contact sharp though irregular.					
456.90	457.70	Se01	457.50	459.00	Q304646	1.50	0.009
		Sericite 1					
		altered matrix					
457.70	462.00	Cl01	459.00	460.50	Q304647	1.50	<0.005
		Chlorite 1	460.50	462.00	Q304648	1.50	<0.005
		pervasive					

462.00	End of DDH
	Number of samples: 289
	Number of QAQC samples: 24
	Total sampled length: 433.00

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_89

Drilled by:	Major	Claims title:	L9985	Section:	
Described by:	MIke Laliberty	Township:	LEBEL	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	22/04/2014	Description date:	12/05/2014
		To:	27/04/2014		

Collar

Azimuth: 210.0°
Dip: -50.0°
Length: 448.92 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,402.852
North	0.0	0.000	5,331,484.492
Elevation	0.0	0.000	341.776

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	210.0°	-50.0°	No	
ReflexEZS	42.00	212.7°	-49.0°	No	Mag = 55806
ReflexEZS	108.00	212.8°	-48.7°	No	Mag = 56097
ReflexEZS	168.00	214.5°	-46.9°	No	Mag = 55667
ReflexEZS	228.00	215.1°	-46.4°	No	Mag = 55512
ReflexEZS	288.00	218.2°	-44.4°	No	Mag = 55528
ReflexEZS	348.00	220.0°	-43.0°	No	Mag = 55740
ReflexEZS	408.00	221.6°	-40.6°	No	Mag = 55369

Description

Re_logging by Reza Hosseinnejad

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	29.00	OVB; Undie **Overburden; UNDEFINED** Casing						
28.90	55.50	K03; Ank02; Se01 **Potassic 3; Ankerite 2; Sericite 1** Pervasive strong potassic, moderate ankerite and weak sericite alteration.		28.90	30.00	Q208695	1.10	0.135
28.90	38.90	Shrh; DZ **Shear healed; Deformation Zone** The ultramafic unit show strongly shear and deformation zone. The whitish wisps, patches, veins and veinlet of ankerite strongly crenulated and folded. The interval also including a gouge fault wide 8 cm at412-412.08.						
28.90	30.60	Py00.5 **Pyrite 0.5%** Fine grained disseminated pyrite.						
28.90	38.90	Vm;90%;Qak;Vc;45°;; **major vein (10 cm or greater) 90% quartz-ankerite vein cross-cutting foliation 45°** A whitish quartz with minor ankerite on margin cross cut the unit @ average 45 dtca. No mineralization obvious.						
29.00	128.43	V4a **Trachyte Altered** The unit start with beige-grey-green to brick red generally massive aphanitic altered trachyte flows with intervals of perlitic textures (such as 44 - 51.70 and69- 88.5). It seems this interval is mixed of different flow. From 88.5 to 91 is transition zone and shows mixing of different flow. The perlitic texture shows intense potassic alteration while the aphanitic flow strongly sericitized. Moderate to strong ankerite pervasive alteration. Weak to locally strong patchy potassic alteration. Weak to moderate sericite alteration. Weak fracture controlled chlorite alteration. Weakly to non magnetic. Veining is <1% consists mostly of very fine ankerite and chlorite fracture fills which occasionally contain chalcopyrite. Pyrite ranges from trace up to 5%, is fine to coarse grained and is generally disseminated. From 125.76m to lower contact (128.43m) core has a cherty texture with 3-5% fine disseminated pyrite.		30.00	31.50	Q208696	1.50	0.086
30.60	35.00	Py00.1 **Pyrite 0.1%** Trace fine grained disseminated pyrite		31.50	33.00	Q208697	1.50	0.006
				33.00	34.50	Q208698	1.50	0.04
				34.50	36.00	Q208699	1.50	<0.005
35.00	38.00	Py01 **Pyrite 1%** Fine grained disseminated pyrite up to 1%.		36.00	37.50	Q208702	1.50	0.173
				37.50	39.00	Q208703	1.50	0.612
38.00	40.00	Py02 **Pyrite 2%**		39.00	40.50	Q208704	1.50	0.061

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fine grained disseminated pyrite up to 2%.					
40.00	60.00	Py00.5	40.50	42.00	Q208705	1.50	0.025
		Pyrite 0.5%	42.00	43.50	Q208706	1.50	0.016
		Fine grained disseminated pyrite up to 0.5%.	43.50	45.00	Q208707	1.50	0.136
			45.00	46.50	Q208708	1.50	0.092
			46.50	48.00	Q208709	1.50	0.021
			48.00	49.50	Q208710	1.50	0.055
			49.50	51.00	Q208711	1.50	0.118
			51.00	52.50	Q208712	1.50	0.017
			52.50	54.00	Q208713	1.50	0.013
			54.00	55.50	Q208714	1.50	0.043
55.50	90.00	Cl01; Se01; Ank02; K03	55.50	57.00	Q208715	1.50	0.039
		Chlorite 1; Sericite 1; Ankerite 2; Potassic 3	57.00	58.50	Q208716	1.50	0.063
		selective strong potassic, moderate ankerite and weak sericite,chlorite alteration.	58.50	60.00	Q208717	1.50	0.12
60.00	62.50	Py00.1	60.00	61.50	Q208718	1.50	0.025
		Pyrite 0.1%	61.50	63.00	Q208719	1.50	0.016
		Trace pyrite up to 0.1%.					
62.50	67.40	Py00.5	63.00	64.50	Q208720	1.50	0.03
		Pyrite 0.5%	64.50	66.00	Q208721	1.50	0.031
		Fine grained disseminated pyrite up to 0.5%.	66.00	67.50	Q208722	1.50	0.194
67.40	70.00	Py01	67.50	69.00	Q208723	1.50	0.137
		Pyrite 1%	69.00	70.50	Q208724	1.50	0.252
		Fine grained disseminated pyrite up to 0.5%.					
70.00	74.30	Py02	70.50	72.00	Q208727	1.50	0.363
		Pyrite 2%	72.00	73.50	Q208728	1.50	0.369
		Fine grained disseminated pyrite up to 2%.	73.50	75.00	Q208729	1.50	0.498
74.30	75.70	Py03	75.00	76.50	Q208730	1.50	0.979
		Pyrite 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fine grained disseminated and clusterpyrite up to 3%.					
75.70	82.50	Py05	76.50	78.00	Q208731	1.50	0.416
		Pyrite 5%	78.00	79.50	Q208732	1.50	0.396
		Fine grained disseminated and cluster pyrite up to 5%.	79.50	81.00	Q208733	1.50	1.755
			81.00	82.50	Q208734	1.50	0.729
82.50	85.50	Py03	82.50	84.00	Q208735	1.50	0.636
		Pyrite 3%	84.00	85.50	Q208736	1.50	0.507
		Fine grained pyrite disseminated as well as fill fractures up to 3%..					
85.50	88.50	Py05	85.50	87.00	Q208737	1.50	0.537
		Pyrite 5%	87.00	88.50	Q208738	1.50	0.394
		Fine grained pyrite disseminated as well as fill fractures up to 5%.					
88.50	96.00	Py03	88.50	90.00	Q208739	1.50	1.02
		Pyrite 3%					
		Fine grained pyrite disseminated as well as fill fractures up to 3%.					
90.00	100.50	K02; Cl03; Se02; Ank02	90.00	91.50	Q208740	1.50	1.27
		Potassic 2; Chlorite 3; Sericite 2; Ankerite 2	91.50	93.00	Q208741	1.50	0.928
		selective moderate potassic, ankerite, sericite and strong chlorite alteration.	93.00	94.50	Q208742	1.50	0.374
			94.50	96.00	Q208743	1.50	0.368
96.00	102.00	Py02	96.00	97.50	Q208744	1.50	0.467
		Pyrite 2%	97.50	99.00	Q208745	1.50	0.656
		Fine grained pyrite disseminated as well as fill fractures up to 2%.	99.00	100.50	Q208746	1.50	0.174
100.50	106.50	Ank02; Se02; Cl01	100.50	102.00	Q208747	1.50	0.138
		Ankerite 2; Sericite 2; Chlorite 1					
		pervasive moderate ankerite, sericite and weak chlorite alteration.					
102.00	103.90	Py01	102.00	103.50	Q208748	1.50	0.657
		Pyrite 1%	103.50	105.00	Q208749	1.50	0.146
		Fine grained pyrite disseminated as well as fill fractures up to 1%.					

Description			Assay				
			From	To	Sample number	Length	AuBest
103.90	108.00	Py03 **Pyrite 3%** Fine grained pyrite disseminated as well as fill fractures up to 1%.	105.00	106.50	Q208752	1.50	0.122
106.50	125.75	Cl02; Se01; Ank02; K02 **Chlorite 2; Sericite 1; Ankerite 2; Potassic 2** Pervasive moderate ankerite and chlorite, weak sericite and selective moderate potassic alteration	106.50	108.00	Q208753	1.50	0.094
108.00	114.00	Py02 **Pyrite 2%** Fine grained pyrite disseminated as well as fill fractures up to 2%.	108.00	109.50	Q208754	1.50	0.112
			109.50	111.00	Q208755	1.50	0.094
			111.00	112.50	Q208756	1.50	0.155
			112.50	114.00	Q208757	1.50	0.093
114.00	116.00	Py01 **Pyrite 1%** Fine grained pyrite disseminated as well as fill fractures up to 1%.	114.00	115.50	Q208758	1.50	0.08
			115.50	117.00	Q208759	1.50	0.117
116.00	120.50	Py02 **Pyrite 2%** Fine grained pyrite disseminated as well as fill fractures up to 2%.	117.00	118.50	Q208760	1.50	0.158
			118.50	120.00	Q208761	1.50	0.211
			120.00	121.50	Q208762	1.50	0.188
120.50	125.20	Py03 **Pyrite 3%** Fine grained pyrite disseminated as well as fill fractures up to 2%.	121.50	123.00	Q208763	1.50	0.185
			123.00	124.50	Q208764	1.50	1.355
			124.50	126.00	Q208765	1.50	0.171
125.20	127.40	Py05 **Pyrite 5%** Fine grained pyrite disseminated as well as fill fractures up to 5%.					
125.75	223.15	Se02; Ank03; Cl02 **Sericite 2; Ankerite 3; Chlorite 2** Pervasive moderate sericite,chlorite and strong ankerite alteration.	126.00	127.50	Q208766	1.50	0.154
127.40	128.45	Py03 **Pyrite 3%** Fine grained pyrite disseminated as well as fill fractures up to 3%.	127.50	128.43	Q208767	0.93	0.17
128.43	243.50	V4; Vol **Trachyte 85°; VOLCANICLASTIC**	128.43	129.50	Q208768	1.07	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		With sharp contact @85 dtca the hole goes into greenish grey pyroclastic flows with tuffaceous intervals of elongate welded clasts and large (up to 10cm wide) angular clasts including pumice. This interval is strongly ankretic and weakly to moderately sericite and chlorite alteration. The unit is non magnetic and non calcitic. Veining consists of narrow wormy quartz ankerite and k-spar veins, veinlet and gashes wide 1-30 mm @ variable orientation up to 5%. Generally pyrite mineralization is trace. This interval cross cut by a syenite porphyritic dyke from 223.15-224.60.					
128.45	205.60	Py00.1 **Pyrite 0.1%** Terace	129.50	130.50	Q208769	1.00	0.055
			130.50	132.00	Q208770	1.50	0.103
			132.00	133.50	Q208771	1.50	0.008
			133.50	135.00	Q208772	1.50	<0.005
133.80	160.50	Vn;5%;Qak;Fl;45°;; **vein (5 mm - 10 cm) 5% quartz-ankerite flooding 45°** In this interval there are a few quartz-ankerite feldspar veins wide 1-4cm. They show parasitic folding and local deformation. There is no mineralization associated with this vein s.	135.00	136.50	Q208773	1.50	<0.005
			136.50	138.00	Q208774	1.50	<0.005
			138.00	139.50	Q208777	1.50	<0.005
			139.50	141.00	Q208778	1.50	<0.005
			141.00	142.50	Q208779	1.50	<0.005
			142.50	144.00	Q208780	1.50	<0.005
			144.00	145.50	Q208781	1.50	<0.005
			145.50	147.00	Q208782	1.50	0.006
			147.00	148.50	Q208783	1.50	<0.005
			148.50	150.00	Q208784	1.50	<0.005
			150.00	151.50	Q208785	1.50	0.01
			151.50	153.00	Q208786	1.50	0.005
			153.00	154.50	Q208787	1.50	<0.005
			154.50	156.00	Q208788	1.50	<0.005
			156.00	157.50	Q208789	1.50	0.015
			157.50	159.00	Q208790	1.50	0.007
			159.00	160.50	Q208791	1.50	0.005
			160.50	162.00	Q208792	1.50	<0.005
			162.00	163.50	Q208793	1.50	0.011
			163.50	165.00	Q208794	1.50	0.013
			165.00	166.50	Q208795	1.50	<0.005
			166.50	168.00	Q208796	1.50	0.009
			168.00	169.50	Q208797	1.50	0.014
			169.50	171.00	Q208798	1.50	0.021

Description			Assay				
			From	To	Sample number	Length	AuBest
			171.00	172.50	Q208799	1.50	0.006
			172.50	174.00	Q208802	1.50	0.011
			174.00	175.50	Q208803	1.50	<0.005
			175.50	177.00	Q208804	1.50	0.005
			177.00	178.50	Q208805	1.50	0.013
			178.50	180.00	Q208806	1.50	<0.005
			180.00	181.50	Q208807	1.50	<0.005
			181.50	183.00	Q208808	1.50	0.01
			183.00	184.50	Q208809	1.50	0.007
			184.50	186.00	Q208810	1.50	<0.005
			186.00	187.50	Q208811	1.50	0.043
			187.50	189.00	Q208812	1.50	0.064
			189.00	190.50	Q208813	1.50	0.035
			190.50	192.00	Q208814	1.50	0.016
			192.00	193.50	Q208815	1.50	0.022
			193.50	195.00	Q208816	1.50	0.01
			195.00	196.50	Q208817	1.50	0.009
			196.50	198.00	Q208818	1.50	0.01
			198.00	199.50	Q208819	1.50	0.005
			199.50	201.00	Q208820	1.50	<0.005
			201.00	202.50	Q208821	1.50	<0.005
			202.50	204.00	Q208822	1.50	0.005
			204.00	205.60	Q208823	1.60	<0.005
205.00	216.95	V4; Pyro **Trachyte; PYROCLASTIC** Stockwork-like grey quartz ankerite vein zone in pyroclastic trachyte. Veins are generally less than 1cm wide with no consistent orientation and may contain brecciated host rock clasts. Minor vein-controlled silicification and a strong carbonitite alteration from 211-212.3m. There is still a weak sericite and chlorite presence in this interval. Non magnetic. Pyrite is very finely disseminated and runs 0.5-1%.					
205.00	215.93	Bxh **Breccia healed** In this interval a series of secondary quartz veins and veinlets pervades and look like hydrothermal healed beraccia zone.					
205.40	216.00	Vn;15%;Qak;Sk;;; **vein (5 mm - 10 cm) 15% quartz-ankerite stockwork** A series of grey quartz with minor whit ankerite run @ variable orientation. There si no mineralization					

Description			Assay				
			From	To	Sample number	Length	AuBest
		associated with these structures.					
205.60	219.50	Py00.5	205.60	207.00	Q208824	1.40	0.014
		Pyrite 0.5%	207.00	208.50	Q208827	1.50	0.047
		Fine grained disseminated .	208.50	210.00	Q208828	1.50	0.361
			210.00	211.50	Q208829	1.50	0.359
			211.50	213.00	Q208830	1.50	0.042
			213.00	214.50	Q208831	1.50	0.072
			214.50	216.00	Q208832	1.50	0.111
			216.00	217.50	Q208833	1.50	0.158
			217.50	219.00	Q208834	1.50	0.064
			219.00	220.50	Q208835	1.50	0.034
219.50	222.70	Py00.1	220.50	222.00	Q208836	1.50	0.037
		Pyrite 0.1%	222.00	223.50	Q208837	1.50	0.013
		Trace					
222.70	224.60	Py00.5					
		Pyrite 0.5%					
		Fine grained disseminated pyrite up to 0,5%					
223.15	224.60	1Sp					
		Syenite Porphyry 60°					
		With sharp contact @60 dtca the hole goes into reddish green syenite porphyry dyke with large (up to 5mm) feldspar phenocrysts in a fine grained groundmass. Strong ankerite alteration. Minor stockwork-like quartz ankerite veining similar to 205.6-215.93m. Non magnetic. Very finely disseminated py up to 0.5%.					
223.15	224.70	K02; Se01; Ank02	223.50	225.00	Q208838	1.50	0.018
		Potassic 2; Sericite 1; Ankerite 2					
		Moderate selective potassic and pervasive ankerite and weak sericite alteration.					
224.60	241.00	Py00.1					
		Pyrite 0.1%					
		Trace					
224.70	244.50	Ank02; Se03; Cl01	225.00	226.50	Q208839	1.50	0.041
		Ankerite 2; Sericite 3; Chlorite 1	226.50	228.00	Q208840	1.50	0.015
		Pervasive moderate ankerite, strong sericite and weak chlorite alteration	228.00	229.50	Q208841	1.50	0.024
			229.50	231.00	Q208842	1.50	0.029
			231.00	232.50	Q208843	1.50	0.025

Description			Assay				
			From	To	Sample number	Length	AuBest
			232.50	234.00	Q208844	1.50	0.013
			234.00	235.50	Q208845	1.50	0.02
			235.50	237.00	Q208846	1.50	0.03
			237.00	238.50	Q208847	1.50	0.054
			238.50	240.00	Q208848	1.50	0.037
			240.00	241.50	Q208849	1.50	0.021
241.00	243.20	Py00.5	241.50	243.18	Q208852	1.68	0.045
		Pyrite 0.5%	243.18	244.50	Q208853	1.32	0.395
		Fine grained disseminated pyrite up to 0.5%					
243.20	250.00	Py03					
		Pyrite 3%					
		Fine grained disseminated as well as fill fratures pyrite up to 3%					
243.50	321.20	V4a; Aph					
		Trachyte Altered; APHANITIC					
		A littel change in texture and fade pyroclastic marks the beginning of this unit. In fact there is no big difference between this and upper unit except less and non pyroclasts. Brick red to pinkish dark grey fine grained to locally massive altered trachyte. The rock shows moderate recrystallization up hole with intervals of aphanitic trachyte dominating down hole including a network of fractures and micro fractures.					
		Several small (up to 37cm wide) diabase dykes (@ 323.7, 327.3 and 338.75m) with sharp contacts (@40-45 dtca) and chilled margins. Potassic alteration can be overprinted by a pervasive silica/ankerite alteration (formerly known as albitized). Strong potassic alteration from 243.18-258m and then in occasional intervals down hole. Weak to strong patchyalbitite and silica alteration. Strongly ankeritic (including diabase). Weak to locally moderate black chlorite alteration. Weak localized sericite. Quartz- ankerite veining run @ variable orientation up to 1%. Well mineralized with very fine to coarse (euhedral) pyrite up to 5% until 339-348m where a strong potassic alteration comes in and pyrite drops to ~0.5%. Non magnetic up hole but becomes weakly magnetic around347m.					
		From 321.19-323 Fault zone hosted in trachyte. Sharp upper contact at 45 dtca marked by 10cm of gouge followed by broken blocky core and then 1cm of gouge marking the sharp lower contact @45 dtca. According to assay result the most gold mineralization consentrate around this fault up 2.5ppm AU.					
244.50	250.00	K03; Ank02; Cl01	244.50	246.00	Q208854	1.50	0.239
		Potassic 3; Ankerite 2; Chlorite 1	246.00	247.50	Q208855	1.50	0.072
		Pervasive strong potassic, moderately ankerite and weak chlorite alteration.	247.50	249.00	Q208856	1.50	0.094
			249.00	250.50	Q208857	1.50	0.334
250.00	281.00	Py05					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 5% Fine grained disseminated as well as fill fratures pyrite up to 5%					
250.20	261.00	K01.5; Cl01	250.50	252.00	Q208858	1.50	0.465
		Potassic 1.5; Chlorite 1	252.00	253.50	Q208859	1.50	0.183
		Selective moderate potassic and albite and silica, pervasive ankerite, chlorite and weak sericite alteration .	253.50	255.00	Q208860	1.50	0.141
		255.20-255.5 pyrite alteration.	255.00	256.50	Q208861	1.50	0.412
			256.50	258.00	Q208862	1.50	0.209
			258.00	259.50	Q208863	1.50	0.243
			259.50	261.00	Q208864	1.50	0.692
261.00	279.00	Alb03; Ank02; Se01; Se; Cl01	261.00	262.50	Q208865	1.50	0.161
		Albite 3; Ankerite 2; Sericite 1; Sericite; Chlorite 1	262.50	264.00	Q208866	1.50	0.094
		Pervasive moderate to strong albetite, moderate ankerite and weak sericite, chlorite and selective intense silica alteration.	264.00	265.50	Q208867	1.50	0.222
			265.50	267.00	Q208868	1.50	0.163
			267.00	268.50	Q208869	1.50	1.065
			268.50	270.00	Q208870	1.50	0.245
			270.00	271.50	Q208871	1.50	0.243
			271.50	273.00	Q208872	1.50	0.198
			273.00	274.50	Q208873	1.50	0.153
			274.50	276.00	Q208874	1.50	0.238
			276.00	277.50	Q208877	1.50	0.216
			277.50	279.00	Q208878	1.50	0.387
279.00	338.00	Cl01; Se01; Alb01; Si01; Ank02; K02	279.00	280.50	Q208879	1.50	0.329
		Chlorite 1; Sericite 1; Albite 1; Silica 1; Ankerite 2; Potassic 2	280.50	282.00	Q208880	1.50	0.185
		Moderate pervasive and strong selective potassic alteration. Weak to moderate pervasive chlorite and sericite, moderate pervasive ankerite alteration. Selective weak silica and albite alteration.					
281.00	307.80	Py03	282.00	283.50	Q208881	1.50	0.217
		Pyrite 3%	283.50	285.00	Q208882	1.50	0.178
		Fine grained disseminated as well as fill fratures pyrite up to 3%	285.00	286.50	Q208883	1.50	0.167
			286.50	288.00	Q208884	1.50	0.246
			288.00	289.50	Q208885	1.50	0.415
			289.50	291.00	Q208886	1.50	0.373
			291.00	292.50	Q208887	1.50	0.451

Description			Assay				
			From	To	Sample number	Length	AuBest
			292.50	294.00	Q208888	1.50	0.428
			294.00	295.50	Q208889	1.50	0.39
			295.50	297.00	Q208890	1.50	0.434
			297.00	298.50	Q208891	1.50	0.453
			298.50	300.00	Q208892	1.50	0.762
			300.00	301.50	Q208893	1.50	0.739
			301.50	303.00	Q208894	1.50	0.585
			303.00	304.50	Q208895	1.50	0.366
			304.50	306.00	Q208896	1.50	0.886
			306.00	307.50	Q208897	1.50	0.765
			307.50	309.00	Q208898	1.50	0.367
307.80	314.90	Py02	309.00	310.50	Q208899	1.50	0.599
		Pyrite 2%	310.50	312.00	Q208902	1.50	0.65
		Fine grained disseminated as well as fill fratures pyrite up to 2%	312.00	313.50	Q208903	1.50	0.739
			313.50	315.00	Q208904	1.50	0.271
314.90	317.00	Py01	315.00	316.50	Q208905	1.50	0.137
		Pyrite 1%	316.50	318.00	Q208906	1.50	0.803
		Fine grained disseminated as well as fill fratures pyrite up to 1%					
317.00	322.00	Py02	318.00	319.50	Q208907	1.50	0.376
		Pyrite 2%	319.50	321.00	Q208908	1.50	0.724
		Fine grained disseminated as well as fill fratures pyrite up to 2%	321.00	323.00	Q208909	2.00	1.355
321.19	323.00	Gg					
		Fault gouge 45°					
		Fault zone hosted in trachyte. Sharp upper contact at 45 dtca marked by 10cm of gouge followed by broken blocky core and then ~1cm of gouge marking the sharp lower contact @45 dtca.					
321.20	439.84	4U; Fol					
		Ultramafic 45°; Foliated					
		A Fault is the beiginning of this unit. Sharp upper contact at 45 dtca marked by 10cm of gouge followed by broken blocky core and then 1cm of gouge marking the sharp lower contact @45 dtca.					
		Black to dark green ultramafics strongly foliated sub parallel to 25 dtca. Core is easily scratched due to serepantine and talc.The powder of rock has a talc feel but there is a strong ankeritic alteration overprinting the talc along foliation. Weakly to moderately magnetic. In the beginning veining is 2-13% consisting mainly of ankerite with minor quartz but after 421m a series of quartz with minor ankerite on the edges wide 1-6cm cross					

Description			Assay				
			From	To	Sample number	Length	AuBest
		cut the unit @ average 85 dtca up 10%. There is no mineralization associated with this veins. Occasional xenoliths(?) of the above trachyte unit possibly incorporated during the faulting event. Trace pyrite disseminated. The ultramafic unit shows strongly shear and deformation zone. The whitish wisps, patches, veins and veinlet of ankerite strongly crenulated and folded. The interval also including a gouge fault wide 8 cm fromt 412 to 412.08.					
322.00	324.60	Py01 **Pyrite 1%** Fine grained disseminated as well as fill fratures pyrite up to 1%	323.00	324.00	Q208910	1.00	0.113
323.70	327.30	DYKE **Dyke 40°** Four small (5 to 37cm wide) dykes (From 323.7, 327.3 to 338.75m) with sharp contacts (@40-45 dtca) and chilled margins. Dark grey ground mass contains 10% rounded sub rounded whitish phenoes and 5-8% blackish to brown biotite /amphibole. Non calcite, intense to moderate pervasive magnetic, no pyrite mineralization.	324.00	325.50	Q208911	1.50	1.455
324.60	327.50	Py02 **Pyrite 2%** Fine grained disseminated as well as fill fratures pyrite up to 2%	325.50	327.00	Q208912	1.50	2.52
			327.00	328.50	Q208913	1.50	1.24
327.50	332.50	Py03 **Pyrite 3%** Fine grained disseminated as well as fill fratures pyrite up to 3%	328.50	330.00	Q208914	1.50	0.913
			330.00	331.50	Q208915	1.50	0.652
			331.50	333.00	Q208916	1.50	0.82
332.50	334.50	Py05 **Pyrite 5%** Fine grained disseminated as well as fill fratures pyrite up to 5%	333.00	334.50	Q208917	1.50	1.29
334.50	336.50	Py03 **Pyrite 3%** Fine grained disseminated as well as fill fratures pyrite up to 3%	334.50	336.00	Q208918	1.50	0.882
			336.00	337.50	Q208919	1.50	1.09
336.50	338.50	Py02 **Pyrite 2%**	337.50	339.00	Q208920	1.50	0.215

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fine grained disseminated as well as fill fratures pyrite up to 2%					
338.00	350.00	K03; Ank01; Cl01					
		Potassic 3; Ankerite 1; Chlorite 1					
		Strong pervasive potassic alteration. Weak pervasive chlorite and ankerite alteration.					
338.50	339.30	Py00.1	339.00	340.50	Q208921	1.50	0.102
		Pyrite 0.1%					
		Trace					
339.30	349.60	Py00.5	340.50	342.00	Q208922	1.50	0.662
		Pyrite 0.5%	342.00	343.50	Q208923	1.50	0.086
		Fine grained disseminated as well as fill fratures pyrite up to 0.5 %	343.50	345.00	Q208924	1.50	0.278
			345.00	346.50	Q208927	1.50	0.082
			346.50	348.00	Q208928	1.50	0.06
			348.00	349.50	Q208929	1.50	0.049
			349.50	351.00	Q208930	1.50	0.243
349.60	351.80	Py00.1					
		Pyrite 0.1%					
		Trace					
350.00	380.70	K01.5; Cl01.5; Ank02	351.00	352.50	Q208931	1.50	0.377
		Potassic 1.5; Chlorite 1.5; Ankerite 2					
		Weak pervasive and moderate selective potassic and albitite alteration. Weak to moderate pervasive chlorite , moderate pervasive ankerite alteration.					
351.80	352.70	Py00.5	352.50	354.00	Q208932	1.50	0.203
		Pyrite 0.5%					
		Fine grained disseminated 0.5 %					
352.70	355.00	Py03	354.00	355.50	Q208933	1.50	0.201
		Pyrite 3%					
		Fine to medium grained disseminated as well as fill fractures pyrite up to 3%.					
355.00	364.30	Py02	355.50	357.00	Q208934	1.50	0.269
		Pyrite 2%	357.00	358.50	Q208935	1.50	0.204
		Fine to medium grained disseminated as well as fill fractures pyrite up to 2%.	358.50	360.00	Q208936	1.50	0.493

Description			Assay				
			From	To	Sample number	Length	AuBest
			360.00	361.50	Q208937	1.50	0.148
			361.50	363.00	Q208938	1.50	0.213
			363.00	364.50	Q208939	1.50	0.213
			364.50	366.00	Q208940	1.50	0.393
			366.00	367.50	Q208941	1.50	0.242
367.30	368.50	Py03	367.50	369.00	Q208942	1.50	0.388
		Pyrite 3%					
		Fine to medium grained disseminated pyrite up to 3%.					
368.50	380.40	Py05	369.00	370.50	Q208943	1.50	0.673
		Pyrite 5%	370.50	372.00	Q208944	1.50	0.37
		Fine to medium grained disseminated as well as fill fractures pyrite up to 5%.	372.00	373.50	Q208945	1.50	0.446
			373.50	375.00	Q208946	1.50	0.405
			375.00	376.50	Q208947	1.50	0.428
			376.50	378.00	Q208948	1.50	0.652
			378.00	379.50	Q208949	1.50	0.606
			379.50	381.00	Q208952	1.50	0.249
380.40	381.40	Py02					
		Pyrite 2%					
		Fine to medium grained disseminated as well as fill fractures pyrite up to 2%.					
380.67	381.00	Ctc					
		Contact 20°					
		Sharp upper contact of ultramafic unit marked by 33cm of fault gouge with minimal breccia at 20 and 45 dtca.					
380.70	439.84	Ank02; K01; Talc01	381.00	382.50	Q208953	1.50	0.008
		Ankerite 2; Potassic 1; Talc 1					
		Pervasive moderate ankerite, strong chlorite weak talc and selective potassic alteration.					
381.40	439.85	Py00.1	382.50	384.00	Q208954	1.50	<0.005
		Pyrite 0.1%	384.00	385.50	Q208955	1.50	0.007
		Trace pyrite disseminated.	385.50	387.00	Q208956	1.50	0.005
			387.00	388.50	Q208957	1.50	0.005
			388.50	390.00	Q208958	1.50	0.005
			390.00	391.50	Q208959	1.50	0.01
			391.50	393.00	Q208960	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			393.00	394.50	Q208961	1.50	<0.005
			394.50	396.00	Q208962	1.50	<0.005
			396.00	397.50	Q208963	1.50	0.073
396.20	396.40	Vn;70%;Qak;Vc;80°;;	397.50	399.00	Q208964	1.50	<0.005
		vein (5 mm - 10 cm) 70% quartz-ankerite vein cross-cutting foliation 80°	399.00	400.50	Q208965	1.50	<0.005
		A series of quartz -ankerite veins run in this interval. some parallel to foliation and rest cross cut@80	400.50	402.00	Q208966	1.50	<0.005
		dtca. This interval strongly foldded.	402.00	403.50	Q208967	1.50	0.013
			403.50	405.00	Q208968	1.50	0.015
404.00	406.50	Vn;10%;Qak;Vc;75°;;	405.00	406.50	Q208969	1.50	0.014
		vein (5 mm - 10 cm) 10% quartz-ankerite vein cross-cutting foliation 75°	406.50	408.00	Q208970	1.50	0.013
		A series of quartz with minor ankerite on margin cross cut the unit @ average 75 dtca. No mineralization	408.00	409.50	Q208971	1.50	0.014
		obvious.	409.50	411.00	Q208972	1.50	0.018
			411.00	412.50	Q208973	1.50	0.017
411.88	412.00	FLT	412.50	414.00	Q208974	1.50	0.041
		Fault 45°	414.00	415.50	Q208977	1.50	0.006
		Cataclastic fault cross the rock @ 45 dtca.	415.50	417.00	Q208978	1.50	0.008
			417.00	418.50	Q208979	1.50	0.014
			418.50	420.00	Q208980	1.50	0.025
419.50	438.80	Vn;15%;Qtz Ak;Vc;75°;;	420.00	421.50	Q208981	1.50	0.005
		vein (5 mm - 10 cm) 15% white quartz ankerite vein cross-cutting foliation 75°	421.50	423.00	Q208982	1.50	0.014
		A series of quartz with minor ankerite on marginand weak potassic alteration cross cut the unit @ 50-90	423.00	424.50	Q208983	1.50	0.009
		dtca wide 1-15 cm.No mineralization associated.	424.50	426.00	Q208984	1.50	0.01
			426.00	427.50	Q208985	1.50	0.014
			427.50	429.00	Q208986	1.50	0.009
			429.00	430.50	Q208987	1.50	0.005
			430.50	432.00	Q208988	1.50	0.011
			432.00	433.50	Q208989	1.50	0.01
			433.50	435.00	Q208990	1.50	<0.005
			435.00	436.50	Q208991	1.50	0.006
			436.50	438.00	Q208992	1.50	0.011
			438.00	439.00	Q208993	1.00	0.007
438.80	439.50	Vm;;Qak;Vc;45°;;	439.00	440.00	Q208994	1.00	<0.005
		major vein (10 cm or greater) quartz-ankerite vein cross-cutting foliation 45°					
		A whitish quartz with minor ankerite on margin including chlorite stringers cut the unit @ 45 dtca. No					

Description			Assay				
			From	To	Sample number	Length	AuBest
		mineralization associated with this major vein..					
439.84	448.92	1SV4; PorFG **Trachytic syenite 40°; PORPHYRITIC (FINE GROUNDMASS)** After 80 cm white quartz vein with sharp upper contact @ 40 dtca the hole goes into porphyritic trachyte syenite. Brick red fine grained groundmass contains 5-10 % grey rounded phenoes. Due to strong pervasive potassic alteration the color is red. Weak to moderate ankerite alteration, non magnetic and non calcitic .The unit pervades by ankerite-quartz veining up to 10cm wide up 5%. This intrusive unit mineralized by fine to coarse grained disseminated pyrite up 3%.					
439.84	448.92	K03; Cl01 **Potassic 3; Chlorite 1** Strong pervasive potassic, moderate ankrite and weak chlorite alteration.					
439.85	448.90	Py03 **Pyrite 3%** Fine to medium grained disseminated as well as fill fractures pyrite up to 3%.					
440.00	440.30	Vm;85%;Qak;Vc;40°;; **major vein (10 cm or greater) 85% quartz-ankerite vein cross-cutting foliation 40°** A whitish quartz with minor ankerite on margin vein cross cut the unit @ 40 dtca. No mineralization obvious.	440.00	441.00	Q208995	1.00	0.1
			441.00	442.50	Q208996	1.50	0.119
			442.50	444.00	Q208997	1.50	0.065
			444.00	445.50	Q208998	1.50	0.049
			445.50	447.00	Q208999	1.50	0.037
			447.00	448.00	R220002	1.00	0.063
			448.00	448.92	R220003	0.92	0.052
448.92	**End of DDH** **Number of samples: 283** **Number of QAQC samples: 26** **Total sampled length: 420.02**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_90

Drilled by:	Major	Claims title:	L9987	Section:	
Described by:	Gilles Kamta	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	25/04/2014	Description date:	11/05/2014
		To:	29/04/2014		

Collar

Azimuth: 330.0°
Dip: -50.0°
Length: 464.59 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,402.786
North	0.0	0.000	5,332,247.645
Elevation	0.0	0.000	341.940

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	330.0°	-50.0°	No	
ReflexEZS	81.00	329.1°	-52.0°	No	Mag = 55399
ReflexEZS	141.00	328.3°	-50.4°	No	Mag = 55149
ReflexEZS	201.00	329.7°	-48.8°	No	Mag = 54741
ReflexEZS	261.00	328.2°	-47.7°	No	Mag = 55618
ReflexEZS	321.00	334.4°	-45.7°	No	Mag = 55121
ReflexEZS	381.00	334.6°	-44.7°	No	Mag = 55619
ReflexEZS	441.00	336.4°	-44.1°	No	Mag = 55017

Description

Re-logged by Mike Laliberty in June 2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
67.00	141.30	V9L; Fol **Lapilli Tuff; Foliated** Light to medium green grey fine grained weakly to moderately foliated tuff with intervals of stretched lapilli, S-C folding and weaker deformations. Weak to moderate pervasive calcitic alteration, weak localized vein-controlled ankeritic alteration, weak to moderate green chloritic alteration, weak to moderate localized sericitic alteration, weak patchy potassic alteration and patches of leucoxene. Moderately to strongly magnetic. 1-2% qtz/ankerite/chlorite +/- k-spar veining commonly with moderate potassic alteration and generally unmineralized. Generally trace to 0.5% finely disseminated py but locally up to 5% associated with ankerite/light green chlorite alteration and folding.					
67.00	141.30	Ca02; Cl02; Ank01; Se01; K01; Lcx01 **Calcite 2; Chlorite 2; Ankerite 1; Sericite 1; Potassic 1; Leucoxene 1** Weak to moderate pervasive calcitic alteration, weak localized vein-controlled ankeritic alteration, weak to moderate green chloritic alteration, weak to moderate localized sericitic alteration, weak patchy potassic alteration and patches of leucoxene.	67.00	68.00	R216134	1.00	0.009
			68.00	69.00	R216135	1.00	0.007
			69.00	70.50	R216136	1.50	0.009
			70.50	72.00	R216137	1.50	0.007
			72.00	73.50	R216138	1.50	0.006
			73.50	75.00	R216139	1.50	0.007
			75.00	76.50	R216140	1.50	0.008
			76.50	78.00	R216141	1.50	0.015
			78.00	79.50	R216142	1.50	0.007
			79.50	81.00	R216143	1.50	0.01
			81.00	82.50	R216144	1.50	0.011
			82.50	84.00	R216145	1.50	0.009
			84.00	85.50	R216146	1.50	0.008
67.00	115.90	Fln **Foliation 55°** Weak to moderate foliation at 40-75 dtca. Common intervals of S-C folding and some weaker deformation.					
84.80	86.80	Vn;5%;Qac;Vn;70°;Py00; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 70° Pyrite 0%** Qtz/ankerite/chlorite +/- k-spar with darkgreen/black chlorite and sericite along margins.	85.50	87.00	R216147	1.50	0.008
			87.00	88.50	R216148	1.50	0.006
			88.50	90.00	R216149	1.50	0.009
			90.00	91.50	R216152	1.50	0.008
91.50	92.20	Py05 **Pyrite 5%** Very finely disseminated py associated with ankerite/light green chlorite alteration band.	91.50	93.00	R216153	1.50	0.026
			93.00	94.50	R216154	1.50	0.005
			94.50	96.00	R216155	1.50	0.015
			96.00	97.50	R216156	1.50	0.008
			97.50	99.00	R216157	1.50	0.007
			99.00	100.50	R216158	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			100.50	102.00	R216159	1.50	0.01
			102.00	103.50	R216160	1.50	0.011
			103.50	105.00	R216161	1.50	0.006
			105.00	106.50	R216162	1.50	0.007
			106.50	108.00	R216163	1.50	0.005
			108.00	109.50	R216164	1.50	0.007
			109.50	111.00	R216165	1.50	<0.005
			111.00	112.50	R216166	1.50	0.005
			112.50	114.00	R216167	1.50	0.006
114.00	115.50	Py01	114.00	115.50	R216168	1.50	0.012
		Pyrite 1%	115.50	117.00	R216169	1.50	0.008
		Finely disseminated py associated with patchy potassic and chlorite alteration.					
115.90	116.25	FLT					
		Fault					
		Broken, blocky core with minor gouge. Contacts not preserved.					
116.25	161.70	Fln	117.00	118.50	R216170	1.50	0.006
		Foliation 55°	118.50	120.00	R216171	1.50	0.005
		Weak to moderate foliation at 40-75 dtca. Common intervals of S-C folding and some weaker	120.00	121.50	R216172	1.50	0.007
		deformation.	121.50	123.00	R216173	1.50	0.008
122.00	123.00	Py01	123.00	124.50	R216174	1.50	0.01
		Pyrite 1%	124.50	126.00	R216177	1.50	0.007
		Very fine py stringers.					
125.50	125.75	Py05	126.00	127.50	R216178	1.50	0.005
		Pyrite 5%	127.50	129.00	R216179	1.50	0.008
		Finely disseminated py associated with calcite/chlorite alteration.	129.00	130.50	R216180	1.50	0.008
			130.50	132.00	R216181	1.50	0.01
			132.00	133.50	R216182	1.50	<0.005
			133.50	135.00	R216183	1.50	<0.005
			135.00	136.50	R216184	1.50	0.005
			136.50	138.00	R216185	1.50	0.005
			138.00	139.50	R216186	1.50	<0.005
			139.50	141.00	R216187	1.50	<0.005
			141.00	142.50	R216188	1.50	0.008
141.30	161.70	V4; Fol					
		Trachyte; Foliated					
		Dark green, fine grained weakly to moderately foliated trachyte. Weak to moderate pervasive calcitic alteration					

Description			Assay				
			From	To	Sample number	Length	AuBest
		that changes to a moderate to strong ankeritic alteration around160m, moderate fracture and foliation controlled chloritic alteration, weak patchy potassic alteration, weak to moderate sericitic alteration that comes in around the same time as the ankerite. Moderately to strongly magnetic. 2% veining changes from qtz/calcite/chlorite to qtz/ankerite/chlorite around 154.5m. Trace py.					
141.30	161.20	Ca02; Cl02; K01; Ank02; Se01 **Calcite 2; Chlorite 2; Potassic 1; Ankerite 2; Sericite 1** Weak to moderate pervasive calcitic alteration that changes to a moderate to strong ankeritic alteration around160m, moderate fracture and foliation controlled chloritic alteration, weak patchy potassic alteration, weak to moderate sericitic alteration that comes in around the same time as the ankerite					
142.00	153.10	Vn;2%;Qcc;Vn;55°;Py00; **vein (5 mm - 10 cm) 2% quartz-calcite-chlorite vein parallel to foliation 55° Pyrite 0%** Qtz/calcite/chlorite veining with minor potassic alteration.	142.50	144.00	R216189	1.50	<0.005
			144.00	145.50	R216190	1.50	<0.005
			145.50	147.00	R216191	1.50	0.005
			147.00	148.50	R216192	1.50	0.006
			148.50	150.00	R216193	1.50	0.007
			150.00	151.50	R216194	1.50	0.009
			151.50	153.00	R216195	1.50	0.014
			153.00	154.50	R216196	1.50	<0.005
154.50	158.60	Vn;2%;Qac;Vn;55°;Py00; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 55° Pyrite 0%** Qtz/ankerite/chlorite veining with minor potassic alteration.	154.50	156.00	R216197	1.50	0.005
			156.00	157.50	R216198	1.50	0.005
			157.50	159.00	R216199	1.50	0.005
			159.00	160.50	R216202	1.50	<0.005
			160.50	162.00	R216203	1.50	<0.005
161.20	259.25	Ank03; Cl02; Se02; K01 **Ankerite 3; Chlorite 2; Sericite 2; Potassic 1** Moderate to strong pervasive ankeritic alteration, moderate fracture and foliation controlled chloritic alteration, moderate wispy sericitic alteration and a weak patchy potassic alteration.					
161.70	162.20	BBCG; Fra **Broken Blocky Core with gouge; Fractured** Broken, blocky core with gouge marks contact between trachyte and lapilli tuff/pyroclastic flow unit as well as the switch from calcite to ankerite.					
161.70	162.20	Ctc Flt **Cataclastic Fault** Broken, blocky core with minor gouge. Contact angles not preserved.	162.00	163.50	R216204	1.50	<0.005
162.20	259.25	V9L; Fol **Lapilli Tuff 70°; Foliated** Medium green-grey fine to medium grained moderately to strongly foliated (55-85 dtca) lapilli tuff with intervals of pyroclastic flow. S-C folding is common. Lapilli have been stretched and in some cases replaced/altered by ankerite. Moderate to strong pervasive ankeritic alteration, moderate fracture and foliation controlled chloritic					

Description			Assay				
			From	To	Sample number	Length	AuBest
		alteration, moderate wispy sericitic alteration and a weak patchy potassic alteration. Moderately to strongly magnetic. <1% qtz/ankerite veining commonly with a pinkish potassic alteration. Trace py. Trace cpy associated with qtz/ankerite veinlets from 184.3-185m.					
162.20	259.30	Fln **Foliation 70°** Moderate to strong foliation at 55-85 dtca. Common intervals of S-C folding and some weaker deformation.	163.50	165.00	R216205	1.50	0.006
			165.00	166.50	R216206	1.50	0.024
			166.50	168.00	R216207	1.50	0.021
			168.00	169.50	R216208	1.50	<0.005
			169.50	171.00	R216209	1.50	0.006
			171.00	172.50	R216210	1.50	0.007
			172.50	174.00	R216211	1.50	0.006
			174.00	175.50	R216212	1.50	0.019
			175.50	177.00	R216213	1.50	0.005
			177.00	178.50	R216214	1.50	0.013
			178.50	180.00	R216215	1.50	0.01
			180.00	181.50	R216216	1.50	0.011
			181.50	183.00	R216217	1.50	0.01
			183.00	184.50	R216218	1.50	0.014
184.30	185.00	Cp00.1 **Chalcopyrite 0.1%** Qtz/ankerite veinlet hosted trace chalcopyrite.	184.50	186.00	R216219	1.50	<0.005
			186.00	187.50	R216220	1.50	<0.005
			187.50	189.00	R216221	1.50	<0.005
			189.00	190.50	R216222	1.50	0.005
			190.50	192.00	R216223	1.50	0.012
			192.00	193.50	R216224	1.50	0.005
			193.50	195.00	R216227	1.50	<0.005
			195.00	196.50	R216228	1.50	0.008
			196.50	198.00	R216229	1.50	0.005
			198.00	199.50	R216230	1.50	<0.005
			199.50	201.00	R216231	1.50	<0.005
200.80	201.60	Vn;30%;Qac;Vn;65°;Py00.1; **vein (5 mm - 10 cm) 30% quartz-ankerite-chlorite vein parallel to foliation 65° Pyrite 0.1%** Qtz/ankerite/chlorite/sericite/k-spar veining. Large 9cm veins run parallel to foliation with a 2-3cm wide convoluted/folded vein crosscutting the foliation and joining the 2 larger veins. Trace py.	201.00	202.50	R216232	1.50	<0.005
			202.50	204.00	R216233	1.50	<0.005
			204.00	205.50	R216234	1.50	0.034
			205.50	207.00	R216235	1.50	0.005
			207.00	208.50	R216236	1.50	0.009
			208.50	210.00	R216237	1.50	0.006

Description	Assay				
	From	To	Sample number	Length	AuBest
	210.00	211.50	R216238	1.50	0.005
	211.50	213.00	R216239	1.50	0.006
	213.00	214.50	R216240	1.50	0.005
	214.50	216.00	R216241	1.50	<0.005
	216.00	217.50	R216242	1.50	0.009
	217.50	219.00	R216243	1.50	<0.005
	219.00	220.50	R216244	1.50	0.009
	220.50	222.00	R216245	1.50	0.011
	222.00	223.50	R216246	1.50	0.015
	223.50	225.00	R216247	1.50	<0.005
	225.00	226.50	R216248	1.50	0.01
	226.50	228.00	R216249	1.50	<0.005
	228.00	229.50	R216252	1.50	0.012
	229.50	231.00	R216253	1.50	<0.005
	231.00	232.50	R216254	1.50	0.008
	232.50	234.00	R216255	1.50	<0.005
	234.00	235.50	R216256	1.50	0.025
	235.50	237.00	R216257	1.50	<0.005
	237.00	238.50	R216258	1.50	<0.005
	238.50	240.00	R216259	1.50	0.018
	240.00	241.50	R216260	1.50	0.011
	241.50	243.00	R216261	1.50	<0.005
	243.00	244.50	R216262	1.50	<0.005
	244.50	246.00	R216263	1.50	<0.005
	246.00	247.50	R216264	1.50	<0.005
	247.50	249.00	R216265	1.50	<0.005
	249.00	250.50	R216266	1.50	<0.005
	250.50	252.00	R216267	1.50	<0.005
	252.00	253.50	R216268	1.50	0.005
	253.50	255.00	R216269	1.50	<0.005
	255.00	256.50	R216270	1.50	<0.005
	256.50	258.00	R216271	1.50	<0.005
	258.00	259.50	R216272	1.50	0.007
259.25 267.30 V4; Mass					

Description				Assay				
				From	To	Sample number	Length	AuBest
		Trachyte 65°; Massive						
		Grey-brown (with reddish patches) fine grained massive trachyte. Weak to moderate fracture controlled chloritic alteration, weak sericitic alteration, weak fracture controlled ankeritic alteration, weak patchy and fracture controlled potassic alteration. Moderately to strongly magnetic. Highly microfractured filled with chlorite and/or ankerite +/- potassic alteration. <1% qtz/ankerite veining with trace cpy. Generally trace py but locally up to 0.5% associated with sericite.						
259.25	267.30	Cl02; Se01; Ank01; K01		259.50	261.00	R216273	1.50	0.011
		Chlorite 2; Sericite 1; Ankerite 1; Potassic 1		261.00	262.50	R216274	1.50	0.011
		Weak to moderate fracture controlled chloritic alteration, weak sericitic alteration, weak fracture controlled ankeritic alteration, weak patchy and fracture controlled potassic alteration		262.50	264.00	R216277	1.50	0.02
				264.00	265.50	R216278	1.50	0.007
				265.50	267.00	R216279	1.50	0.005
				267.00	268.50	R216280	1.50	0.013
259.25	263.20	Cp00.1						
		Chalcopyrite 0.1%						
		Trace cpy associated with qtz/ankerite veinlets.						
267.30	304.50	V4; PorFG						
		Trachyte; PORPHYRITIC (FINE GROUNDMASS)						
		Brownish green/grey (with reddish patches) fine grained highly microfractured trachyte with irregular to tabular ankerite altered feldspar phenocrysts. Moderate to strong pervasive ankeritic alteration, weak to moderate fracture-controlled chlorite alteration, weak patchy potassic alteration as well as leucoxene blebs. Moderately to strongly magnetic. Trace pyrite and chalcopyrite.						
267.30	304.50	Ank02; Cl02; K01; Lcx01		268.50	270.00	R216281	1.50	<0.005
		Ankerite 2; Chlorite 2; Potassic 1; Leucoxene 1		270.00	271.50	R216282	1.50	<0.005
		Moderate to strong pervasive ankeritic alteration, weak to moderate fracture-controlled chlorite alteration, weak patchy potassic alteration as well as leucoxene blebs.		271.50	273.00	R216283	1.50	0.005
				273.00	274.50	R216284	1.50	0.009
				274.50	276.00	R216285	1.50	<0.005
				276.00	277.50	R216286	1.50	<0.005
				277.50	279.00	R216287	1.50	<0.005
				279.00	280.50	R216288	1.50	0.01
				280.50	282.00	R216289	1.50	<0.005
				282.00	283.50	R216290	1.50	0.005
				283.50	285.00	R216291	1.50	<0.005
				285.00	286.50	R216292	1.50	0.014
				286.50	288.00	R216293	1.50	0.018
				288.00	289.50	R216294	1.50	<0.005
				289.50	291.00	R216295	1.50	0.018
				291.00	292.50	R216296	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			292.50	294.00	R216297	1.50	0.005
			294.00	295.50	R216298	1.50	0.01
			295.50	297.00	R216299	1.50	0.007
			297.00	298.50	R216302	1.50	0.016
			298.50	300.00	R216303	1.50	<0.005
			300.00	301.50	R216304	1.50	<0.005
			301.50	303.00	R216305	1.50	<0.005
			303.00	304.50	R216306	1.50	0.005
304.50	311.10	V4; Mass **Trachyte; Massive** Brownish green/grey to rusty orange and brick red massive highly microfractured trachyte with broken blocky core for the last 50cm of the unit. Moderate to strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, localized strong vein-controlled potassic alteration as well as small blebs of leucoxene. Rusty orange oxidation (of ankerite?) starts around 306.8m and continues beyond the lower contact to 312.4m. Moderately to strongly magnetic. 3-5% ankerite +/- qtz veining and ankerite cement of crackle breccia. Trace to 0.5% py.					
304.50	311.10	Ank03; Cl02; K02 **Ankerite 3; Chlorite 2; Potassic 2** Moderate to strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, localized strong vein-controlled potassic alteration as well as small blebs of leucoxene. Rusty orange oxidation (of ankerite?) starts around 306.8m and continues beyond the lower contact to 312.4m.	304.50	306.00	R216307	1.50	0.005
			306.00	307.50	R216308	1.50	<0.005
			307.50	309.00	R216309	1.50	<0.005
			309.00	310.50	R216310	1.50	<0.005
309.30	319.50	Vn;3%;Qac;In;;Py00; **vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite infilled fractures Pyrite 0%** Narrow (<3cm wide) ankerite/qtz fracture-fill and minor veining that varies between 45 degrees and subparallel tca.	310.50	312.00	R216311	1.50	<0.005
311.10	350.50	V4; PorFG **Trachyte; PORPHYRITIC (FINE GROUNDMASS)** Brownish green/grey (with reddish patches) fine grained highly microfractured trachyte with irregular to tabular feldspar phenocrysts that have been altered/replaced by ankerite and/or potassic alteration. Moderate to strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, localized moderate vein-controlled potassic alteration as well as blebs of leucoxene. Moderately to strongly magnetic with visible magnetite blebs. 1% randomly oriented ankerite +/- qtz and/or chlorite fracture fill and veining. Veining commonly has halo of maroon-red potassic alteration. Trace to locally 0.5% py.					
311.10	350.50	Ank03; Cl02; K02; Lcx01 **Ankerite 3; Chlorite 2; Potassic 2; Leucoxene 1** Moderate to strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, localized moderate vein-controlled potassic alteration as well as blebs of leucoxene. Irregular to tabular feldspar phenocrysts have been altered/replaced by ankerite and/or potassic alteration.	312.00	313.50	R216312	1.50	<0.005
			313.50	315.00	R216313	1.50	<0.005
			315.00	316.50	R216314	1.50	0.005
			316.50	318.00	R216315	1.50	0.005
			318.00	319.50	R216316	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			319.50	321.00	R216317	1.50	0.006
			321.00	322.50	R216318	1.50	<0.005
			322.50	324.00	R216319	1.50	<0.005
			324.00	325.50	R216320	1.50	<0.005
			325.50	327.00	R216321	1.50	0.005
			327.00	328.50	R216322	1.50	<0.005
			328.50	330.00	R216323	1.50	<0.005
			330.00	331.50	R216324	1.50	<0.005
			331.50	333.00	R216327	1.50	0.006
332.70	342.50	Vn;5%;Qac;;;;	333.00	334.50	R216328	1.50	0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite	334.50	336.00	R216329	1.50	<0.005
		Randomly oriented ankerite +/- qtz and/or chlorite fracture fill and veining with strong potassic alteration halos with trace py.	336.00	337.50	R216330	1.50	<0.005
			337.50	339.00	R216331	1.50	<0.005
			339.00	340.50	R216332	1.50	0.005
			340.50	342.00	R216333	1.50	<0.005
			342.00	343.50	R216334	1.50	0.009
			343.50	345.00	R216335	1.50	0.005
			345.00	346.50	R216336	1.50	<0.005
			346.50	348.00	R216337	1.50	0.01
			348.00	349.50	R216338	1.50	0.01
			349.50	351.00	R216339	1.50	0.025
350.50	353.10	FP; PorFG					
		Feldspar Porphyry 80°; PORPHYRITIC (FINE GROUNDMASS)					
		Medium to dark grey feldspar porphyry dyke(?) with sharp contacts at 80/40 dtca. Fine grained mafic groundmass with up to 70% irregular to tabular feldspar phenocrysts. Strong pervasive ankeritic alteration, weak to moderate vein controlled potassic alteration and a weak to moderate fracture-controlled chloritic alteration. Common replacement/alteration of the phenocrysts by ankerite and to a lesser extent potassicly altered forming reddish alteration rims. Non magnetic. Minor (1%) ankerite +/- chlorite fracture-fill/veining with potassic alteration. Trace py.					
350.50	353.10	Ank03; K02; Cl01	351.00	352.50	R216340	1.50	0.013
		Ankerite 3; Potassic 2; Chlorite 1	352.50	354.00	R216341	1.50	0.031
		Strong pervasive ankeritic alteration, weak to moderate vein controlled potassic alteration and a weak to moderate fracture-controlled chloritic alteration. Common replacement/alteration of the phenocrysts by ankerite and to a lesser extent potassicly altered forming reddish alteration rims.					
353.10	385.90	V4; PorFG					
		Trachyte 40°; PORPHYRITIC (FINE GROUNDMASS)					
		Brownish green/grey (with reddish patches) fine grained highly microfractured trachyte with irregular to tabular					

Description			Assay				
			From	To	Sample number	Length	AuBest
		feldspar phenocrysts that have been altered/replaced by ankerite and/or potassic alteration. Moderate to strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, localized moderate vein-controlled potassic alteration as well as blebs of leucoxene. Moderately to strongly magnetic with visible magnetite blebs. 1% randomly oriented ankerite +/- qtz and/or chlorite fracture fill and veining. Veining commonly has halo of maroon-red potassic alteration. Trace to locally 0.5% py.					
353.10	385.90	Ank03; Cl02; K02; Lcx01	354.00	355.50	R216342	1.50	0.123
		Ankerite 3; Chlorite 2; Potassic 2; Leucoxene 1	355.50	357.00	R216343	1.50	0.005
		Moderate to strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, localized moderate vein-controlled potassic alteration as well as blebs of leucoxene.	357.00	358.50	R216344	1.50	<0.005
			358.50	360.00	R216345	1.50	<0.005
			360.00	361.50	R216346	1.50	0.011
			361.50	363.00	R216347	1.50	0.007
			363.00	364.50	R216348	1.50	<0.005
			364.50	366.00	R216349	1.50	<0.005
			366.00	367.50	R216352	1.50	0.007
			367.50	369.00	R216353	1.50	0.011
			369.00	370.50	R216354	1.50	0.007
			370.50	372.00	R216355	1.50	<0.005
			372.00	373.50	R216356	1.50	0.007
			373.50	375.00	R216357	1.50	0.028
			375.00	376.50	R216358	1.50	0.014
			376.50	378.00	R216359	1.50	0.058
			378.00	379.50	R216360	1.50	0.017
			379.50	381.00	R216361	1.50	<0.005
			381.00	382.50	R216362	1.50	<0.005
			382.50	384.00	R216363	1.50	<0.005
			384.00	385.50	R216364	1.50	0.005
			385.50	387.00	R216365	1.50	0.005
385.90	388.20	3L; Mass					
		Lamprophyre 80°; Massive					
		Dark grey, medium to coarse grained lamprophyre dyke. Visible biotite laths and booklets as well as sub to euhedral k-spar(?) phenocrysts (scratches orange) that become more distinct toward the margins. Weak to moderate pervasive ankeritic alteration, weak pervasive potassic alteration. Non magnetic. <1% ankerite stringers. Trace py. Sharp chilled contacts at 80 dtca.					
385.90	388.20	Ank02; K01	387.00	388.50	R216366	1.50	0.006
		Ankerite 2; Potassic 1					
		Weak to moderate pervasive ankeritic alteration, weak pervasive potassic alteration.					

Description			Assay				
			From	To	Sample number	Length	AuBest
388.20	445.30	V4; PorFG **Trachyte 80°; PORPHYRITIC (FINE GROUNDMASS)** Brownish grey-green to maroon grey series of porphyritic trachyte flows with sharp contacts and chilled margins. Generally fine grained trachyte with irregular to euhedral feldspar phenocrysts with varying degrees of alteration/replacement by ankerite and/or potassic alteration and ankerite and/or chlorite alteration. Short interval (414.14-414.73) of beige fine to medium grained magnetic tuff. Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, weak patchy and moderate vein controlled potassic alteration, weak isolated sericite wisps and intervals of leucoxene blebs. Moderately to strongly magnetic with visible magnetite specks. <1% ankerite fracture fill +/- chlorite and/or potassic alteration. Trace py.					
388.20	464.59	Ank03; Cl02; K02; Se01; Lcx01 **Ankerite 3; Chlorite 2; Potassic 2; Sericite 1; Leucoxene 1** Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, weak patchy and moderate vein controlled potassic alteration, weak isolated sericite wisps and intervals of leucoxene blebs	388.50	390.00	R216367	1.50	<0.005
			390.00	391.50	R216368	1.50	<0.005
			391.50	393.00	R216369	1.50	0.005
			393.00	394.50	R216370	1.50	<0.005
			394.50	396.00	R216371	1.50	<0.005
			396.00	397.50	R216372	1.50	<0.005
			397.50	399.00	R216373	1.50	<0.005
			399.00	400.50	R216374	1.50	0.007
			400.50	402.00	R216377	1.50	0.008
			402.00	403.50	R216378	1.50	<0.005
			403.50	405.00	R216379	1.50	0.006
			405.00	406.50	R216380	1.50	<0.005
			406.50	408.00	R216381	1.50	<0.005
			408.00	409.50	R216382	1.50	<0.005
			409.50	411.00	R216383	1.50	<0.005
			411.00	412.50	R216384	1.50	<0.005
			412.50	414.00	R216385	1.50	<0.005
			414.00	415.50	R216386	1.50	0.006
414.14	414.73	V9 **Tuff 70°** Beige fine to medium grained magnetic tuff with no veining or py.	415.50	417.00	R216387	1.50	0.006
			417.00	418.50	R216388	1.50	<0.005
			418.50	420.00	R216389	1.50	<0.005
			420.00	421.50	R216390	1.50	<0.005
421.10	423.60	V4RS; PorFG **trachyte red spotted 80°; PORPHYRITIC (FINE GROUNDMASS)** Maroon grey red-spotted fine grained trachyte groundmass with 40-50% red (potassic?) altered irregular to tabular feldspar(?) phenocrysts. Strong pervasive ankeritic alteration, moderate pervasive and vein-controlled potassic alteration, weak wispy sericitic alteration. Weakly to moderately magnetic. 2% ankerite fracture fill with moderate potassic alteration. Trace py.	421.50	423.00	R216391	1.50	0.007
			423.00	424.50	R216392	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
423.60	426.90	V4GS; PorFG	424.50	426.00	R216393	1.50	<0.005
		trachyte green spotted 80°; PORPHYRITIC (FINE GROUNDMASS)	426.00	427.50	R216394	1.50	0.005
		Brownish grey green fine grained trachyte groundmass with 10% green (chlorite?) altered and 30-40% ankerite altered irregular to tabular feldspar phenocrysts. Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, weak to moderate vein-controlled potassic alteration and intervals of leucoxene blebs. Moderately to strongly magnetic with visible magnetite. <1% ankerite +/- chlorite fracture fill and veining with potassic alteration halos. Trace py. Sharp contacts at 80/85 dtca with chilled margins.					
426.90	429.75	V4RS	427.50	429.00	R216395	1.50	0.005
		trachyte red spotted 85°	429.00	430.50	R216396	1.50	0.007
		Maroon grey red-spotted fine grained trachyte groundmass with 10% red (potassic?) altered and 30-40% ankerite altered/replaced irregular to tabular feldspar phenocrysts. Strong pervasive ankeritic alteration, moderate pervasive and vein-controlled potassic alteration, minor wispy sericitic alteration. Moderately magnetic. 1% ankerite fracture fill with moderate potassic alteration. Trace py. Sharp contacts at 85 dtca with chilled margins.					
429.75	431.27	V4GS; PorFG	430.50	432.00	R216397	1.50	0.022
		trachyte green spotted 85°; PORPHYRITIC (FINE GROUNDMASS)					
		Brownish grey green fine grained trachyte groundmass with 10% green (chlorite?) altered and 30-40% ankerite altered irregular to tabular feldspar phenocrysts. Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, weak to moderate vein-controlled potassic alteration and intervals of leucoxene blebs. Moderately to strongly magnetic with visible magnetite. <1% ankerite +/- chlorite fracture fill and veining with potassic alteration halos. Trace py. Sharp contacts at 85 dtca with chilled margins.					
431.27	432.18	V4RS; PorFG	432.00	433.50	R216398	1.50	<0.005
		trachyte red spotted 85°; PORPHYRITIC (FINE GROUNDMASS)					
		Maroon grey red-spotted fine grained trachyte groundmass with 10% red (potassic?) altered and 30-40% ankerite altered/replaced irregular to tabular feldspar phenocrysts. Strong pervasive ankeritic alteration, moderate pervasive and vein-controlled potassic alteration, minor wispy sericitic alteration. Moderately magnetic. 1% ankerite fracture fill with moderate potassic alteration. Trace py. Sharp contacts at 85 dtca with chilled margins.					
432.18	445.30	V4GS; PorFG	433.50	435.00	R216399	1.50	<0.005
		trachyte green spotted 85°; PORPHYRITIC (FINE GROUNDMASS)	435.00	436.50	R216402	1.50	<0.005
		Brownish grey green fine grained trachyte groundmass with 10% green (chlorite?) altered and 30-40% ankerite altered irregular to tabular feldspar phenocrysts. Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, weak to moderate vein-controlled potassic alteration and intervals of leucoxene blebs. Moderately to strongly magnetic with visible magnetite. <1% ankerite +/- chlorite fracture fill and veining with potassic alteration halos. Trace py. Sharp contacts at 85/45 dtca with chilled margins.	436.50	438.00	R216403	1.50	0.005
			438.00	439.50	R216404	1.50	<0.005
			439.50	441.00	R216405	1.50	<0.005
			441.00	442.50	R216406	1.50	<0.005
			442.50	444.00	R216407	1.50	<0.005
			444.00	445.50	R216408	1.50	<0.005
445.30	464.59	V4; Mass	445.50	447.00	R216409	1.50	0.016

Description	Assay				
	From	To	Sample number	Length	AuBest
Trachyte 40°; Massive	447.00	448.50	R216410	1.50	0.009
Brownish grey green fine grained trachyte similar to 388.2-445.3m with fewer (20-30%) phenocrysts.	448.50	450.00	R216411	1.50	0.007
	450.00	451.50	R216412	1.50	0.007
	451.50	453.00	R216413	1.50	0.009
	453.00	454.50	R216414	1.50	0.005
	454.50	456.00	R216415	1.50	<0.005
	456.00	457.50	R216416	1.50	<0.005
	457.50	459.00	R216417	1.50	<0.005
	459.00	460.50	R216418	1.50	0.005
	460.50	462.00	R216419	1.50	0.028
	462.00	463.50	R216420	1.50	0.017
	463.50	464.59	R216421	1.09	0.012
464.59 **End of DDH**					
Number of samples: 266					
Number of QAQC samples: 22					
Total sampled length: 397.59					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_91

Drilled by:	Major	Claims title:	LS497	Section:	
Described by:	Reza Hosseinnejad	Township:	LEBEL	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	26/04/2014	Description date:	15/05/2014
		To:	12/05/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 633.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,127.702
North	0.0	0.000	5,332,171.084
Elevation	0.0	0.000	342.647

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	36.00	357.3°	-51.4°	No	Mag = 56175
ReflexEZS	96.00	1.4°	-50.6°	No	Mag = 56026
ReflexEZS	156.00	6.5°	-50.6°	No	Mag = 55734
ReflexEZS	216.00	9.5°	-50.1°	No	Mag = 55743
ReflexEZS	276.00	12.1°	-49.5°	No	Mag = 56142
ReflexEZS	339.00	18.7°	-49.3°	No	Mag = 55919
ReflexEZS	399.00	18.5°	-49.4°	No	Mag = 55533
ReflexEZS	459.00	26.4°	-49.3°	No	Mag = 55473
ReflexEZS	519.00	21.9°	-49.4°	No	Mag = 55304
ReflexEZS	579.00	26.0°	-50.0°	No	Mag = 55673
ReflexEZS	633.00	31.4°	-49.7°	No	Mag = 55621

Description

Re-Logging By Reza Hosseinnejad Sep.4_2014

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	26.10	OVB; Undie						
		Overburden; UNDEFINED						
		Overburden						
0.00	10.00	Fln						
		Foliation 40°						
		Weak to moderate foliation @ 30-50 dtca.						
26.10	217.25	V4; Per		26.10	27.00	Q304649	0.90	0.113
		Trachyte; PERLITIC		27.00	28.50	Q304652	1.50	0.172
		The hole begins with redish, pale green trachyte flow with fine to medium grained perlitic texture that strongly		28.50	30.00	Q304653	1.50	0.146
		fracured, micro fractured and bracciated.The color changed due to intensity and alteration. The first 15 meter		30.00	31.50	Q304654	1.50	0.259
		is oxidized that contains abundant of iron oxides (limonite). It seems the magnetite over printed by limonite.		31.50	33.00	Q304655	1.50	0.263
		(35.5 to 51 oxidize zone)		33.00	34.50	Q304656	1.50	0.346
		This rock contains 8-10% quartz_ankerite veins and veinlets wide 1-10 mm @ variable orientation with pyrite		34.50	36.00	Q304657	1.50	0.314
		and chalopyrite inside. The rock is hard and altered. The mineralization consists 0.5%-2%, fine to coars		36.00	37.50	Q304658	1.50	0.44
		grained disseminated pyrite and few blebs and splash of chalopyrite. The unit is not calcitic, moderate magnetic		37.50	39.00	Q304659	1.50	0.328
		and weak to moderate ankeritic. Predominantley K feldespar, ankrite and albitite alteration present.		39.00	40.50	Q304660	1.50	0.347
		From 57-66 the unit bracciated by quartz-ankerite hydrothermal veins including few splash of chalopyrite.						
		Highest gold mineralization from 193.5 to 198 respectively 1.25, 3.09 and 1.93 ppm.						
26.10	104.60	K03; Ank02						
		Potassic 3; Ankerite 2						
		Pervasive potassic , moderate ankerite alteration.						
26.10	40.00	Hem02						
		SPECULARITE 2%						
		2% specularite stringeres as well as trac to 0.2% fine grained disseminated pyrite.						
26.10	40.00	Vt;5%;Qak;In;45°;;						
		veinlet (1-5 mm) 5% quartz-ankerite infilled fractures 45°						
		5% quartz ankerite infilled fractures @ variable orientation.						
40.00	50.00	Hem02; Cp00.3; Py00.1						
		SPECULARITE 2%; Chalcopyrite 0.3%; Pyrite 0.1%						
		2% specularite stringeres as well as trac to 0.2% fine grained disseminated pyrite and few splash of						
		chalcopyrite inside quartz-ankerite veins and venlets..						
40.00	50.00	Vt;4%;Qak;St;;;		40.50	42.00	Q304661	1.50	0.244
		veinlet (1-5 mm) 4% quartz-ankerite stringers		42.00	43.50	Q304662	1.50	0.3
		Whitsh quartz ankerite wide 1-5 mm @ variable orientation 30-90		43.50	45.00	Q304663	1.50	0.415
				45.00	46.50	Q304664	1.50	0.339
				46.50	48.00	Q304665	1.50	0.135
				48.00	49.50	Q304666	1.50	0.556

Description			Assay				
			From	To	Sample number	Length	AuBest
			49.50	51.00	Q304667	1.50	0.318
50.00	57.00	Hem04					
		SPECULARITE 4%					
		4% specularite stringeres as well as trac to 0.2% fine grained disseminated pyrite.					
50.00	57.00	Vt;6%;Qak;In;35°;;	51.00	52.50	Q304668	1.50	0.14
		veinlet (1-5 mm) 6% quartz-ankerite infilled fractures 35°	52.50	54.00	Q304669	1.50	0.118
		Quartz-ankerite infilled fractures @ variable direction.	54.00	55.50	Q304670	1.50	0.13
			55.50	57.00	Q304671	1.50	0.086
56.95	66.00	Bxh					
		Breccia healed					
		The unit bracciated by quartz-ankerite hydrothermal veins including few splash of chalopyrite.					
57.00	93.00	Py00.1; Hem01; Cp00.1	57.00	58.50	Q304672	1.50	0.078
		Pyrite 0.1%; SPECULARITE 1%; Chalcopyrite 0.1%	58.50	60.00	Q304673	1.50	0.14
		2% specularite stringeres as well as trac to 0.2% fine grained disseminated pyrite and few splash of	60.00	61.50	Q304674	1.50	0.05
		chalcopyrite inside quartz-ankerite veins and venlets..	61.50	63.00	Q304677	1.50	0.395
			63.00	64.50	Q304678	1.50	0.884
			64.50	66.00	Q304679	1.50	0.051
57.00	66.00	Vn;15%;Qak;Sk;;Cp00.5 Py00.5;					
		vein (5 mm - 10 cm) 15% quartz-ankerite stockwork Chalcopyrite 0.5% Pyrite 0.5%					
		The unit bracciated by quartz-ankerite hydrothermal veins including few splash of chalopyrite.					
66.00	104.60	Vt;2%;Qak;In;75°;;	66.00	67.50	Q304680	1.50	0.09
		veinlet (1-5 mm) 2% quartz-ankerite infilled fractures 75°	67.50	69.00	Q304681	1.50	0.147
		2% quartz-ankerite fill fractures @average 75 dtca.	69.00	70.50	Q304682	1.50	0.018
			70.50	72.00	Q304683	1.50	<0.005
			72.00	73.50	Q304684	1.50	0.018
			73.50	75.00	Q304685	1.50	0.048
			75.00	76.50	Q304686	1.50	0.02
			76.50	78.00	Q304687	1.50	0.21
			78.00	79.50	Q304688	1.50	0.011
			79.50	81.00	Q304689	1.50	0.048
			81.00	82.50	Q304690	1.50	0.106
			82.50	84.00	Q304691	1.50	0.112
			84.00	85.50	Q304692	1.50	0.042
			85.50	87.00	Q304693	1.50	0.023
			87.00	88.50	Q304694	1.50	0.158

Description			Assay				
			From	To	Sample number	Length	AuBest
			88.50	90.00	Q304695	1.50	0.13
			90.00	91.50	Q304696	1.50	0.136
			91.50	93.00	Q304697	1.50	0.123
93.00	127.00	Hem00.4; Py00.3	93.00	94.50	Q304698	1.50	0.042
		SPECULARITE 0.4%; Pyrite 0.3%	94.50	96.00	Q304699	1.50	0.113
		0.4% specularite stringeres as well as trac to 0.3% fine grained disseminated pyrite.	96.00	97.50	Q304702	1.50	0.184
			97.50	99.00	Q304703	1.50	0.015
			99.00	100.50	Q304704	1.50	0.007
			100.50	102.00	Q304705	1.50	0.011
			102.00	103.50	Q304706	1.50	0.005
			103.50	105.00	Q304707	1.50	0.107
104.60	106.35	Ank03; Alb02					
		Ankerite 3; Albite 2					
		Pervassive intense ankerite and moderate albite? alteration. The rock is pale green color with sharp					
		upper andl ower contact and same texture					
104.60	106.50	Vt;3%;Qak;In;;;	105.00	106.50	Q304708	1.50	0.068
		veinlet (1-5 mm) 3% quartz-ankerite infilled fractures					
		3% quartz-ankerite infilled fractures					
106.35	127.60	Ank03; K03; Alb03; Se03					
		Ankerite 3; Potassic 3; Albite 3; Sericite 3					
		Pervassive intense potassic and ankeritic, isolated intense sericite and albite alteration					
106.50	134.80	Vt;2%;Qak;St;75°;;	106.50	108.00	Q304709	1.50	0.048
		veinlet (1-5 mm) 2% quartz-ankerite stringers 75°	108.00	109.50	Q304710	1.50	0.034
		2% quartz-ankerite veinlets @ average 75	109.50	111.00	Q304711	1.50	0.025
			111.00	112.50	Q304712	1.50	0.016
			112.50	114.00	Q304713	1.50	0.033
			114.00	115.50	Q304714	1.50	0.032
			115.50	117.00	Q304715	1.50	0.032
			117.00	118.50	Q304716	1.50	0.03
			118.50	120.00	Q304717	1.50	0.033
			120.00	121.50	Q304718	1.50	0.531
			121.50	123.00	Q304719	1.50	0.225
			123.00	124.50	Q304720	1.50	0.265
			124.50	126.00	Q304721	1.50	0.241
			126.00	127.50	Q304722	1.50	0.123

Description			Assay				
			From	To	Sample number	Length	AuBest
127.00	137.50	Py00.1	127.50	129.00	Q304723	1.50	0.169
		Pyrite 0.1%					
		Trace					
127.60	134.00	K03; Ank03	129.00	130.50	Q304724	1.50	0.09
		Potassic 3; Ankerite 3	130.50	132.00	Q304727	1.50	0.062
		Pervasive intense ankerite and potassic alteration	132.00	133.50	Q304728	1.50	0.151
			133.50	135.00	Q304729	1.50	0.18
134.00	137.60	Ank03; Se02	135.00	136.50	Q304730	1.50	0.073
		Ankerite 3; Sericite 2	136.50	138.00	Q304731	1.50	0.045
		Pervasive intense ankerite and sericite alteration					
137.50	144.30	Hem05; Py01.5					
		SPECULARITE 5%; Pyrite 1.5%					
		5% specularite stringeres and splash as well as trac to 1.5% fine grained disseminated pyrite.					
137.60	144.00	K03; Ank03	138.00	139.50	Q304732	1.50	0.053
		Potassic 3; Ankerite 3	139.50	141.00	Q304733	1.50	0.187
		Pervasive intense ankerite and potassic alteration	141.00	142.50	Q304734	1.50	0.044
			142.50	144.00	Q304735	1.50	0.459
144.00	150.00	Ank03; Se03	144.00	145.50	Q304736	1.50	0.027
		Ankerite 3; Sericite 3					
		Pervasive intense ankerite and sericite alteration					
144.30	151.00	Py00.1	145.50	147.00	Q304737	1.50	0.029
		Pyrite 0.1%	147.00	148.50	Q304738	1.50	0.015
		Trace	148.50	150.00	Q304739	1.50	0.036
150.00	154.00	K03; Ank03	150.00	151.50	Q304740	1.50	0.069
		Potassic 3; Ankerite 3					
		Pervasive intense ankerite and potassic alteration					
150.00	152.00	Vt;2%;Qak;St;;;					
		veinlet (1-5 mm) 2% quartz-ankerite stringers					
		Whitsh quartz ankerite wide 1-5 mm @ variable orientation 30					
151.00	152.00	Py01.5	151.50	153.00	Q304741	1.50	0.136
		Pyrite 1.5%					
		fine grained disseminated					
152.00	153.60	Py00.1	153.00	154.50	Q304742	1.50	0.438
		Pyrite 0.1%					
		Trace					

Description			Assay				
			From	To	Sample number	Length	AuBest
153.60	155.00	Py02.5; Hem03					
		Pyrite 2.5%; SPECULARITE 3%					
		3% specularite stringeres as well as trac to 2.5 % fine grained disseminated pyrite.					
154.00	162.20	Ank03	154.50	156.00	Q304743	1.50	0.191
		Ankerite 3					
		Pervasive intense ankerite and sericite alteration					
155.00	164.30	Py00.3; Py					
		Pyrite 0.3%; Pyrite					
		Trace					
155.00	165.50	Vt;4%;Qak;Sk;;;	156.00	157.50	Q304744	1.50	0.041
		veinlet (1-5 mm) 4% quartz-ankerite stockwork	157.50	159.00	Q304745	1.50	0.017
		Whitsh quartz ankerite wide 1-5 mm stockwork	159.00	160.50	Q304746	1.50	0.019
			160.50	162.00	Q304747	1.50	0.025
			162.00	163.50	Q304748	1.50	0.025
162.20	187.00	Ank03; K02; Se02	163.50	165.00	Q304749	1.50	0.035
		Ankerite 3; Potassic 2; Sericite 2					
		Intermittently moderate potassic and sericite and pervasive ankerite alteration.					
164.30	177.00	Py00.1; Hem00.2	165.00	166.50	Q304752	1.50	0.057
		Pyrite 0.1%; SPECULARITE 0.2%					
		0.2% specularite stringeres as well as trac to 0.3% fine grained disseminated pyrite.					
165.50	196.00	Vt;2%;Qak;Ra;;;	166.50	168.00	Q304753	1.50	0.021
		veinlet (1-5 mm) 2% quartz-ankerite random	168.00	169.50	Q304754	1.50	0.021
		Whitsh quartz ankerite wide 1-5 mm, stringers, veinlets andstockwork.	169.50	171.00	Q304755	1.50	0.027
			171.00	172.50	Q304756	1.50	0.01
			172.50	174.00	Q304757	1.50	0.291
			174.00	175.50	Q304758	1.50	0.294
			175.50	177.00	Q304759	1.50	0.073
177.00	179.50	Hem01; Py00.5	177.00	178.50	Q304760	1.50	1.365
		SPECULARITE 1%; Pyrite 0.5%	178.50	180.00	Q304761	1.50	0.198
		1% specularite stringeres as well as 0.5 to 1% fine grained disseminated pyrite.					
179.50	193.50	Py00.5; Hem00.5	180.00	181.50	Q304762	1.50	0.253
		Pyrite 0.5%; SPECULARITE 0.5%	181.50	183.00	Q304763	1.50	0.233
		0.5% specularite stringeres as well as locallized trac to 1% at average 0.5% fine grained disseminated	183.00	184.50	Q304764	1.50	0.421
		pyrite.	184.50	186.00	Q304765	1.50	0.689
			186.00	187.50	Q304766	1.50	0.743

Description			Assay				
			From	To	Sample number	Length	AuBest
187.00	193.50	Mgt02; Cl03; Alb01; Ank03	187.50	189.00	Q304767	1.50	0.044
		Magnetite 2; Chlorite 3; Albite 1; Ankerite 3	189.00	190.50	Q304768	1.50	0.006
		Selective moderate magnetite, intense chlorite and pervasive intense ankerite, weak albite alteration.	190.50	192.00	Q304769	1.50	0.012
			192.00	193.50	Q304770	1.50	0.007
193.50	201.00	Ank; K03; Ank03	193.50	195.00	Q304771	1.50	1.25
		Ankerite; Potassic 3; Ankerite 3	195.00	196.50	Q304772	1.50	3.09
		Pervasive intense potassic and pervasive ankerite alteration.	196.50	198.00	Q304773	1.50	1.925
193.50	198.00	Py03					
		Pyrite 3%					
		Fine grained disseminated pyrite as well as stringers up to 3%.					
198.00	201.50	Py02; As00.1	198.00	199.50	Q304774	1.50	0.399
		Pyrite 2%; Arsenopyrite 0.1%	199.50	201.00	Q304777	1.50	0.377
		fine to coares grained pyrite up to 2%. a few arsenopyrite edarule .					
201.00	208.50	Ank03; Cl03; Alb01	201.00	202.50	Q304778	1.50	0.322
		Ankerite 3; Chlorite 3; Albite 1					
		intense chlorite and pervasive intense ankerite, weak albite alteration.					
201.50	211.50	Py02.5	202.50	204.00	Q304779	1.50	0.359
		Pyrite 2.5%	204.00	205.50	Q304780	1.50	1.13
		Fine to coares grained pyrite disseminated up to 2.5%.	205.50	207.00	Q304781	1.50	0.681
			207.00	208.50	Q304782	1.50	0.737
208.50	216.00	K02; Ank02; Se01	208.50	210.00	Q304783	1.50	0.745
		Potassic 2; Ankerite 2; Sericite 1	210.00	211.50	Q304784	1.50	0.332
		Pervasive moderate to weak poatssic , moderate ankerite and weak sericite alteration.					
211.50	221.50	Py00.5	211.50	213.00	Q304785	1.50	0.667
		Pyrite 0.5%	213.00	214.50	Q304786	1.50	0.492
		Fine to coares grained pyrite disseminated.	214.50	216.00	Q304787	1.50	1.09
216.00	284.00	Se03; Cl01					
		Sericite 3; Chlorite 1					
		Pervasive intense sericite and selective weak chorite alteration					
216.00	284.00	Fln	216.00	217.50	Q304788	1.50	0.01
		Foliation 70°					
		Weak foliation on the top and moderate at the end.					
216.00	222.00	Vn;1%;Qak;Vc;85°;;					
		vein (5 mm - 10 cm) 1% quartz-ankerite vein cross-cutting foliation 85°					
		Three quartz-ankerite veins wide 2-3cm cross cut the rock. No mineralization associated.					

Description			Assay				
			From	To	Sample number	Length	AuBest
217.25	284.20	S1	217.50	219.00	Q304789	1.50	0.1
		Conglomerate	219.00	220.50	Q304790	1.50	0.174
		Whit the sharp contact@70 dtca the hole goes in to poorly sorted polymict conglomerate. This unit has sedimentary matrix medium to coarse grained with green to pal green color, contains 20-30% polymict rounded and more sub rounded pebbles including jasper, fuchsite, pumice and green carbonate. The interval weakly ankeritic and non magnetic.Pervasive intense wispy sericite and weak green chlorite alteration. At the beginning there is no sorting or clear banding but at the bottom the pebbles changes to sands and it shows clearly banding. The secondary quartzes veins cross the rock at the variable orientation up 5%. Disseminated pyrite locally reaches to 0.5%. From 276.6 to 284 the rock becomes monomict look like sandstone or wackey. The rock cross cut by 2% specularite stringers and hydrothermal veins.weak to	220.50	222.00	Q304791	1.50	0.046
221.50	231.50	Py00.4					
		Pyrite 0.4%					
		coares to fine grained pyrite disseminated.					
222.00	228.00	Vt;3%;Qtz;Vx;10°;;	222.00	223.50	Q304792	1.50	0.045
		veinlet (1-5 mm) 3% white quartz vein unknown to foliation 10°	223.50	225.00	Q304793	1.50	0.075
		3% white quartz vein unknown to foliation 10°	225.00	226.50	Q304794	1.50	0.058
			226.50	228.00	Q304795	1.50	0.065
228.00	267.00	Vt;1%;Qak;Vc;80°;;	228.00	229.50	Q304796	1.50	0.04
		veinlet (1-5 mm) 1% quartz-ankerite vein cross-cutting foliation 80°	229.50	231.00	Q304797	1.50	0.041
		1% quartz-ankerite vein cross-cutting foliation 80°	231.00	232.50	Q304798	1.50	0.051
231.50	241.50	Py00.4	232.50	234.00	Q304799	1.50	0.044
		Pyrite 0.4%	234.00	235.50	Q304802	1.50	0.158
		Trace fine in some pebbles.	235.50	237.00	Q304803	1.50	0.199
			237.00	238.50	Q304804	1.50	0.068
			238.50	240.00	Q304805	1.50	0.073
			240.00	241.50	Q304806	1.50	0.048
241.50	251.50	Py00.3	241.50	243.00	Q304807	1.50	0.097
		Pyrite 0.3%	243.00	244.50	Q304808	1.50	0.042
		Trace fine in some pebbles.	244.50	246.00	Q304809	1.50	0.081
			246.00	247.50	Q304810	1.50	0.079
			247.50	249.00	Q304811	1.50	0.046
			249.00	250.50	Q304812	1.50	0.048
			250.50	252.00	Q304813	1.50	0.079
251.50	282.00	Py00.4	252.00	253.50	Q304814	1.50	0.047
		Pyrite 0.4%	253.50	255.00	Q304815	1.50	0.058
		Trace fine grained pyrite in some pebbles.	255.00	256.50	Q304816	1.50	0.052

Description			Assay				
			From	To	Sample number	Length	AuBest
			256.50	258.00	Q304817	1.50	0.045
			258.00	259.50	Q304818	1.50	0.039
			259.50	261.00	Q304819	1.50	0.035
			261.00	262.50	Q304820	1.50	0.042
			262.50	264.00	Q304821	1.50	0.031
			264.00	265.50	Q304822	1.50	0.03
			265.50	267.00	Q304823	1.50	0.131
267.00	274.60	Vn;5%;Qak;Vc;90°;;	267.00	268.50	Q304824	1.50	0.044
		vein (5 mm - 10 cm) 5% quartz-ankerite vein cross-cutting foliation 90°	268.50	270.00	Q304827	1.50	0.016
		Few massive grey quartz with minor ankerite on the margin cross cut the rock@ 90.dtca. The is no	270.00	271.50	Q304828	1.50	0.013
		mineralization associated with this veins.	271.50	273.00	Q304829	1.50	0.025
			273.00	274.50	Q304830	1.50	0.014
			274.50	276.00	Q304831	1.50	0.009
			276.00	277.50	Q304832	1.50	0.011
			277.50	279.00	Q304833	1.50	0.014
			279.00	280.50	Q304834	1.50	0.012
			280.50	282.00	Q304835	1.50	0.017
282.00	375.00	Py00.2	282.00	283.50	Q304836	1.50	0.028
		Pyrite 0.2%	283.50	285.00	Q304837	1.50	0.009
		Trace					
284.00	348.00	K01					
		Potassic 1					
		Weak potassic patchy alteration					
284.20	348.00	V4; Vol	285.00	286.50	Q304838	1.50	<0.005
		Trachyte 80°; VOLCANICLASTIC	286.50	288.00	Q304839	1.50	<0.005
		With sharp changes in color and texture the rock shows strongly potassic alteration and the rock color	288.00	289.50	Q304840	1.50	0.04
		changes to green patchy pink to creamy. Fine grained green matrix with peperitic texture contains 20-30%	289.50	291.00	Q304841	1.50	<0.005
		irregular shap with variable sizes volcaniclasts. Moderately magnetic and weakly ankretic. Somewhere shows	291.00	292.50	Q304842	1.50	0.007
		a sequence of flow inside unit with porphyritic texture (10-20) cm look like boulders.	292.50	294.00	Q304843	1.50	<0.005
		The rock pervades by quartz-ankerite veins and veinlet wide 1-8mm @ average 45% up 3%..	294.00	295.50	Q304844	1.50	<0.005
			295.50	297.00	Q304845	1.50	0.006
			297.00	298.50	Q304846	1.50	0.005
			298.50	300.00	Q304847	1.50	0.012
			300.00	301.50	Q304848	1.50	0.011
			301.50	303.00	Q304849	1.50	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
			303.00	304.50	Q304852	1.50	0.008
			304.50	306.00	Q304853	1.50	0.007
			306.00	307.50	Q304854	1.50	0.011
			307.50	309.00	Q304855	1.50	0.012
			309.00	310.50	Q304856	1.50	<0.005
			310.50	312.00	Q304857	1.50	<0.005
			312.00	313.50	Q304858	1.50	<0.005
			313.50	315.00	Q304859	1.50	0.005
			315.00	316.50	Q304860	1.50	<0.005
			316.50	318.00	Q304861	1.50	<0.005
			318.00	319.50	Q304862	1.50	<0.005
			319.50	321.00	Q304863	1.50	0.009
			321.00	322.50	Q304864	1.50	0.012
			322.50	324.00	Q304865	1.50	0.021
			324.00	325.50	Q304866	1.50	0.029
			325.50	327.00	Q304867	1.50	0.021
			327.00	328.50	Q304868	1.50	<0.005
			328.50	330.00	Q304869	1.50	<0.005
			330.00	331.50	Q304870	1.50	<0.005
			331.50	333.00	Q304871	1.50	<0.005
			333.00	334.50	Q304872	1.50	<0.005
			334.50	336.00	Q304873	1.50	<0.005
334.70	334.85	Vt;6%;Cl;St;20°;;	336.00	337.50	Q304874	1.50	<0.005
		veinlet (1-5 mm) 6% chlorite stringers 20°	337.50	339.00	Q304877	1.50	<0.005
		veinlet (1-5 mm) 6% chlorite stringers @ 20°dtca	339.00	340.50	Q304878	1.50	0.007
			340.50	342.00	Q304879	1.50	<0.005
			342.00	343.50	Q304880	1.50	0.009
			343.50	345.00	Q304881	1.50	<0.005
			345.00	346.50	Q304882	1.50	<0.005
			346.50	348.00	Q304883	1.50	0.006
348.00	375.00	V4; LapTuff					
		Trachyte; LAPILLI TUFF/AGGLOMERATE					
		Sharp contact@ 70 dtca marks the beginning of this narrow trachyte lapilli tuff. The fine grained green color matrix contains 30-40% creamy-pal pinkish lapilli moderate sorted and foliated @ 35_50 dtca. The rock is not magnetic and moderately ankretic. Mineralization and quartz -carbonate veining are trace. Weak wispy sericite					

Description			Assay				
			From	To	Sample number	Length	AuBest
		and patchy potassic alteration. From 351-353 The lapilli shows weakly deformation and shearing.					
348.00	375.00	Ank01; Se01	348.00	349.50	Q304884	1.50	<0.005
		Ankerite 1; Sericite 1	349.50	351.00	Q304885	1.50	<0.005
		Weak ankerite and weak wispy sericite alteration	351.00	352.50	Q304886	1.50	0.005
			352.50	354.00	Q304887	1.50	<0.005
			354.00	355.50	Q304888	1.50	0.005
			355.50	357.00	Q304889	1.50	0.006
			357.00	358.50	Q304890	1.50	<0.005
			358.50	360.00	Q304891	1.50	<0.005
			360.00	361.50	Q304892	1.50	<0.005
			361.50	363.00	Q304893	1.50	0.005
			363.00	364.50	Q304894	1.50	0.007
			364.50	366.00	Q304895	1.50	<0.005
			366.00	367.50	Q304896	1.50	<0.005
			367.50	369.00	Q304897	1.50	<0.005
			369.00	370.50	Q304898	1.50	<0.005
			370.50	372.00	Q304899	1.50	0.014
			372.00	373.50	Q304902	1.50	0.009
372.60	374.00	Vm;35%;Ak Cr;Vc;90°;;	373.50	375.00	Q304903	1.50	<0.005
		major vein (10 cm or greater) 35% ankerite carbonate vein cross-cutting foliation 90°					
		A series of creamy-beigish massive ankerite-feldspar veins cross cut the rock @ 90 dtca. There is no mineralization associated with these veins.					
375.00	459.00	V4; Vol; Cry					
		Trachyte; VOLCANICLASTIC; CRYSTALRICH					
		After 60 cm quartz ankerite veins the hole go back into the same volcanoclastic trachyte.Pink to reddish clasts with variable size sited on the grey green fine to coares grained matrix. Somewher marix and clasts contains grey phenoes wide 1-2 mm rounded phenoes?. It seems the rock recrystalized. Moderately magnetic and weakly ankretic. No and veining and mineralization present. patchy wispy sericite and weak chloride alteration observe.localized moderate deformation at 448-449 and 457-459. From 459 the rock become more tuffesouse, moderate foliated @45, moderate calcitic and fine grained matrix.					
375.00	436.70	K01; Ank01					
		Potassic 1; Ankerite 1					
		Weak patchy potassic and ankerite alteration					
375.00	536.00	Py00.1	375.00	376.50	Q304904	1.50	<0.005
		Pyrite 0.1%	376.50	378.00	Q304905	1.50	<0.005
		Trace	378.00	379.50	Q304906	1.50	0.008
			379.50	381.00	Q304907	1.50	0.007

Description	Assay				
	From	To	Sample number	Length	AuBest
	381.00	382.50	Q304908	1.50	<0.005
	382.50	384.00	Q304909	1.50	0.005
	384.00	385.50	Q304910	1.50	0.008
	385.50	387.00	Q304911	1.50	0.008
	387.00	388.50	Q304912	1.50	0.015
	388.50	390.00	Q304913	1.50	0.019
	390.00	391.50	Q304914	1.50	0.02
	391.50	393.00	Q304915	1.50	<0.005
	393.00	394.50	Q304916	1.50	0.008
	394.50	396.00	Q304917	1.50	0.011
	396.00	397.50	Q304918	1.50	0.015
	397.50	399.00	Q304919	1.50	0.008
	399.00	400.50	Q304920	1.50	0.006
	400.50	402.00	Q304921	1.50	0.008
	402.00	403.50	Q304922	1.50	0.025
	403.50	405.00	Q304923	1.50	0.008
	405.00	406.50	Q304924	1.50	0.006
	406.50	408.00	Q304927	1.50	0.013
	408.00	409.50	Q304928	1.50	<0.005
	409.50	411.00	Q304929	1.50	0.012
	411.00	412.50	Q304930	1.50	0.009
	412.50	414.00	Q304931	1.50	0.017
	414.00	415.50	Q304932	1.50	0.007
	415.50	417.00	Q304933	1.50	0.007
	417.00	418.50	Q304934	1.50	0.015
	418.50	420.00	Q304935	1.50	0.008
	420.00	421.50	Q304936	1.50	0.006
	421.50	423.00	Q304937	1.50	0.007
	423.00	424.50	Q304938	1.50	0.005
	424.50	426.00	Q304939	1.50	0.006
	426.00	427.50	Q304940	1.50	0.014
	427.50	429.00	Q304941	1.50	0.005
	429.00	430.50	Q304942	1.50	0.01
	430.50	432.00	Q304943	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			432.00	433.50	Q304944	1.50	0.007
			433.50	435.00	Q304945	1.50	0.01
			435.00	436.50	Q304946	1.50	0.008
			436.50	438.00	Q304947	1.50	0.011
436.70	458.00	K01; Ank01	438.00	439.50	Q304948	1.50	0.008
		Potassic 1; Ankerite 1	439.50	441.00	Q304949	1.50	0.007
		Weak pervassive ankerite and sellective potassic alteration.	441.00	442.50	Q304952	1.50	0.01
			442.50	444.00	Q304953	1.50	0.024
			444.00	445.50	Q304954	1.50	0.009
			445.50	447.00	Q304955	1.50	<0.005
			447.00	448.50	Q304956	1.50	0.021
			448.50	450.00	Q304957	1.50	0.015
			450.00	451.50	Q304958	1.50	<0.005
			451.50	453.00	Q304959	1.50	0.011
			453.00	454.50	Q304960	1.50	<0.005
			454.50	456.00	Q304961	1.50	<0.005
			456.00	457.50	Q304962	1.50	0.006
			457.50	459.00	Q304963	1.50	0.021
458.00	478.00	Ca01					
		Calcite 1					
		Weak calcite alteration.					
459.00	519.00	V4; LapTuff					
		Trachyte; LAPILLI TUFF/AGGLOMERATE					
		In this point with 20cm deformation the hole goes into fine grained moderately foliated tuff @30-50 dtca. The unit changes to lapilli agglomerate trachyte tuff in the down hole. The unit start with non to few lapilli at the beginning and lapilli agglomerate reached to 30% in down hole. The fine grained green color matrix contains 30-40% creamy-pal pinkish lapilli moderate sorted @ 35_50 dtca. The rock is strongly magnetic, weak calcitic at the beginning and pervasive moderate ankretic. Mineralization and quartz -carbonate veining are trace. The lapilli show starching, weakly deformation and shearing.					
459.00	463.80	V4; Tuff					
		Trachyte; TUFF					
		From this point the rock become more tuffesouse, moderate foliated @45, moderate calcitic and pervasive intense magnetic and fine grained matrix.					
459.00	519.00	Fln	459.00	460.50	Q304964	1.50	0.022
		Foliation 40°	460.50	462.00	Q304965	1.50	0.011
		Moderate to weak and some where strong foliation @ 30-50 dtca.	462.00	463.50	Q304966	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
			463.50	465.00	Q304967	1.50	0.011
			465.00	466.50	Q304968	1.50	0.008
			466.50	468.00	Q304969	1.50	0.008
467.00	477.20	V4; Tuff	468.00	469.50	Q304970	1.50	<0.005
		Trachyte; TUFF	469.50	471.00	Q304971	1.50	<0.005
		Grey color, fine to medium grained matrix, moderately magnetic and calcitic, no mineralization	471.00	472.50	Q304972	1.50	0.009
			472.50	474.00	Q304973	1.50	0.01
			474.00	475.50	Q304974	1.50	0.015
			475.50	477.00	Q304977	1.50	0.014
			477.00	478.50	Q304978	1.50	0.017
478.00	510.00	Ank02	478.50	480.00	Q304979	1.50	0.013
		Ankerite 2	480.00	481.50	Q304980	1.50	0.013
		Moderate pervasive in matrix and(sellective lapillis) ankerite alteration.	481.50	483.00	Q304981	1.50	0.02
			483.00	484.50	Q304982	1.50	0.015
			484.50	486.00	Q304983	1.50	0.015
			486.00	487.50	Q304984	1.50	0.008
			487.50	489.00	Q304985	1.50	0.008
			489.00	490.50	Q304986	1.50	0.009
			490.50	492.00	Q304987	1.50	0.012
			492.00	493.50	Q304988	1.50	0.017
			493.50	495.00	Q304989	1.50	0.012
495.00	532.00	Vn;6%;Qak;Vn;40°;;	495.00	496.50	Q304990	1.50	0.014
		vein (5 mm - 10 cm) 6% quartz-ankerite vein parallel to foliation 40°	496.50	498.00	Q304991	1.50	0.017
		A series of massive grey quartz vein wide 2-5cm with whitish ankerite on the margin cross the unit @	498.00	499.50	Q304992	1.50	0.011
		average 50 dtca. There is no mineralization associated with these structures.	499.50	501.00	Q304993	1.50	0.01
			501.00	502.50	Q304994	1.50	0.015
			502.50	504.00	Q304995	1.50	0.009
			504.00	505.50	Q304996	1.50	0.012
			505.50	507.00	Q304997	1.50	0.01
			507.00	508.50	Q304998	1.50	0.013
			508.50	510.00	Q304999	1.50	0.011
510.00	522.00	Ank02; Se01	510.00	511.50	R222002	1.50	0.01
		Ankerite 2; Sericite 1	511.50	513.00	R222003	1.50	0.013
		Moderate pervasive in matrix and(sellective lapillis) ankerite and weak wispy sericite alteration.	513.00	514.50	R222004	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			514.50	516.00	R222005	1.50	0.008
			516.00	517.50	R222006	1.50	0.011
			517.50	519.00	R222007	1.50	0.007
519.00	546.00	V4; Pyro; Vol	519.00	520.50	R222008	1.50	0.009
		Trachyte; PYROCLASTIC; VOLCANICLASTIC	520.50	522.00	R222009	1.50	0.01
		There is no big difference between this interval and above unit. This is trachyte mixed unit of flow and tuff with pyroclastic and volcanoclastic texture. The fine to medium grained matrix contains pinkish pumice and some other fragments in the variable size.The amount and size of fragments change irregularly and somewhere fade. localized moderate deformation present. The magnetite is variable from weak to very strong. The ankerite and calcite is weak to none but somewhere shows strongly ankerite alteration. There is no mineralization. The rock crosscut by quartz –ankerite veins and veinlet up 5%. patchy sericite and weak chloride alteration observe. From 540-543 few massive grey quartz 40%-whitish ankerite25% and pinkish feldespar 35% veins with sericite alteration on the margin cross the unit randomly. There is no mineralization associated with these structures.					
522.00	528.00	Ank01; Se01; Ox02	522.00	523.50	R222010	1.50	0.009
		Ankerite 1; Sericite 1; Oxidation 2	523.50	525.00	R222011	1.50	0.008
		Weak wispy sericite, weak ankerite alteration and moderate oxidation.	525.00	526.50	R222012	1.50	0.011
			526.50	528.00	R222013	1.50	0.009
528.00	588.00	Ank03	528.00	529.50	R222014	1.50	0.008
		Ankerite 3	529.50	531.00	R222015	1.50	0.007
		Strong pervasive ankerite alteration	531.00	532.50	R222016	1.50	<0.005
			532.50	534.00	R222017	1.50	0.005
			534.00	535.50	R222018	1.50	0.009
			535.50	537.00	R222019	1.50	0.007
536.00	633.00	Py00.1	537.00	538.50	R222020	1.50	0.009
		Pyrite 0.1%	538.50	540.00	R222021	1.50	0.009
		Trace fine grained disseminated.					
540.00	543.00	Vn;40%;Qak;Ra;;Py00;	540.00	541.50	R222022	1.50	<0.005
		vein (5 mm - 10 cm) 40% quartz-ankerite random Pyrite 0%	541.50	543.00	R222023	1.50	<0.005
		Few massive grey quartz 40%-whitish ankerite25% and pinkish feldespar 35% veins with sericite alteration on the margin cross the unit randomly. There is no mineralization associated with these structures.	543.00	544.50	R222024	1.50	<0.005
			544.50	546.00	R222027	1.50	<0.005
546.00	633.00	V4; V4a; Por; Cry	546.00	547.50	R222028	1.50	<0.005
		Trachyte; Trachyte Altered; Porphyritic; CRYSTALRICH	547.50	549.00	R222029	1.50	<0.005
		Grey green and when altered beige or creamy color. Fine grained and almost massive matrix contains 10-15 % whitish/grey, dark green phenoes when altered reddish on the margin. The crystals are rounded and sub rounded. The rock is very hard and cannot be scratched by knife. There is no mineralization. The rock displays amphibole and magnetic minerals. Patchy alteration has destroyed the texture. The quartz-Ankerite	549.00	550.50	R222030	1.50	<0.005
			550.50	552.00	R222031	1.50	0.006
			552.00	553.50	R222032	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		veins and veinlets crosscut the rock at the variable orientation.	553.50	555.00	R222033	1.50	0.007
		From 588 the rock strongly shows alteration, fracturing and the matrix become massive and aphanitic. This	555.00	556.50	R222034	1.50	0.005
		rock is creamy beigish, massive, aphanitic contains. Blackish magnetite spots, rounded grey feldspar with	556.50	558.00	R222035	1.50	0.006
		wispy chlorite fill fractures and pervades.	558.00	559.50	R222036	1.50	<0.005
559.50	559.70	Vn;90%;Qak;In;80°;Py00;	559.50	561.00	R222037	1.50	<0.005
		vein (5 mm - 10 cm) 90% quartz-ankerite infilled fractures 80° Pyrite 0%	561.00	562.50	R222038	1.50	0.005
		A massive grey quartz 40%-whitish ankerite25% and pinkish feldespar 35% vein cross the unit	562.50	564.00	R222039	1.50	<0.005
		randomly. There is no mineralization associated with this vein.	564.00	565.50	R222040	1.50	0.011
			565.50	567.00	R222041	1.50	<0.005
			567.00	568.50	R222042	1.50	0.008
			568.50	570.00	R222043	1.50	<0.005
			570.00	571.50	R222044	1.50	<0.005
			571.50	573.00	R222045	1.50	0.005
			573.00	574.50	R222046	1.50	0.009
574.00	580.00	Vn;10%;Qak;Vc;85°;Py00;	574.50	576.00	R222047	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite vein cross-cutting foliation 85° Pyrite 0%	576.00	577.50	R222048	1.50	<0.005
		A series of parallel massive grey quartz_whitish ankerite_ pinkish feldespar wide 0.5-5 cm veins cross	577.50	579.00	R222049	1.50	0.005
		cut the unit @80-90 dtca. There is no mineralization associated with these veins.	579.00	580.50	R222052	1.50	<0.005
			580.50	582.00	R222053	1.50	<0.005
			582.00	583.50	R222054	1.50	0.006
582.75	583.15	Vn;80%;Qak;Ra;;Py00;	583.50	585.00	R222055	1.50	0.009
		vein (5 mm - 10 cm) 80% quartz-ankerite random Pyrite 0%	585.00	586.50	R222056	1.50	0.007
		A series of massive grey quartz_whitish ankerite_ pinkish feldespar and patchy green carbonate veins	586.50	588.00	R222057	1.50	0.008
		cross the unit randomly. There is no mineralization associated with these veins.					
588.00	633.00	Ank03; Cl02; Alb01	588.00	589.50	R222058	1.50	0.012
		Ankerite 3; Chlorite 2; Albite 1	589.50	591.00	R222059	1.50	0.012
		Strong pervasive ankerite, weak pervasive albite and wispy, stringe chlorite alteration	591.00	592.50	R222060	1.50	0.015
			592.50	594.00	R222061	1.50	0.01
			594.00	595.50	R222062	1.50	0.015
			595.50	597.00	R222063	1.50	0.013
			597.00	598.50	R222064	1.50	0.021
			598.50	600.00	R222065	1.50	0.009
			600.00	601.50	R222066	1.50	0.01
			601.50	603.00	R222067	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			603.00	604.50	R222068	1.50	<0.005
			604.50	606.00	R222069	1.50	<0.005
			606.00	607.50	R222070	1.50	0.006
606.25	615.00	Vn;5%;Qak;In;80°;Py00; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 80° Pyrite 0%** A series of quartz ankerite veins wide 1-2 cn cross cut the rock @ 60-90 dtca. There is no mineralization associated with these veins.	607.50	609.00	R222071	1.50	<0.005
			609.00	610.50	R222072	1.50	0.009
610.10	614.30	V4M; Por **Trachyte mafic; Porphyritic** Sharp upper contact @40 and lower @ 90. dark grey blackish matrix contains 20% grey rounded and whitish regular shap minerals. The rock is hard, strongly magnetic, non calcitic and weakly ankretic. No mineralization present.	610.50	612.00	R222073	1.50	<0.005
			612.00	613.50	R222074	1.50	0.005
			613.50	615.00	R222077	1.50	<0.005
			615.00	616.50	R222078	1.50	0.005
			616.50	618.00	R222079	1.50	<0.005
			618.00	619.50	R222080	1.50	<0.005
			619.50	621.00	R222081	1.50	<0.005
			621.00	622.50	R222082	1.50	<0.005
622.00	622.30	Vn;80%;Qak;Vc;85°;Py00; **vein (5 mm - 10 cm) 80% quartz-ankerite vein cross-cutting foliation 85° Pyrite 0%** A series of quartz ankerite veins wide 0.5-2 cm cross cut the rock @ 75-90 dtca. There is no mineralization associated with these veins.	622.50	624.00	R222083	1.50	<0.005
			624.00	625.50	R222084	1.50	0.009
			625.50	627.00	R222085	1.50	0.006
			627.00	628.50	R222086	1.50	0.007
			628.50	630.00	R222087	1.50	0.008
			630.00	631.50	R222088	1.50	0.005
			631.50	633.00	R222089	1.50	0.009
633.00	**End of DDH** **Number of samples: 405** **Number of QAQC samples: 36** **Total sampled length: 606.90**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_92

Drilled by:	Major	Claims title:	L9986	Section:	
Described by:	Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	28/04/2014	Description date:	16/05/2014
		To:	11/05/2014		

Collar

Azimuth: 205.0°
Dip: -50.0°
Length: 300.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,398.117
North	0.0	0.000	5,331,600.525
Elevation	0.0	0.000	343.304

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	205.0°	-50.0°	No	
ReflexEZS	87.00	205.5°	-52.5°	No	Mag = 55651
ReflexEZS	147.00	206.9°	-53.3°	No	Mag = 55110
ReflexEZS	207.00	207.7°	-54.0°	No	Mag = 55071
ReflexEZS	267.00	210.0°	-54.2°	No	Mag = 54789

Description

Re-Logged by Ciara Cooke August 2014.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	73.45	OVB **Overburden** Casing and overburden.					
73.45	205.25	V4; FlBand **Trachyte; FLOWBANDED** Med greenish-grey trachyte flow. Fg chloritized groundmass with selective ankerite alteration. Localized weak interstitial calcite. Isolated patches of weak to moderate interstitial sericitization. Isolated weak to moderate disseminated magnetite. Selected intervals of mg sub-rounded ankerite porphyroblasts - possible amygdules. Isolated fault zone with 15cm of gouge at 60deg tca followed byseveral metres of broken blocky core with narrow mm intervals of gouge. 2-3pct qtz-ankerite with k-spar veining at various angles consisting of veins, veinlets, gashes and fracture fills that range from straight to convoluted to stockwork-like. Calcite veinlets within selected zones. Weak intermittent lineation - possible flow-banding. Trace to 2 pct f-mg clustered to fracture controlled py with higher values associated with the akeritic alteration. Isolated vein controlled molybdenite. Isolated clusters of mg euhedral arsenopyrite.	73.45	75.00	R220004	1.55	0.006
73.45	123.00	Ank02; Cl02; Se01 **Ankerite 2; Chlorite 2; Sericite 1** Moderate selective ankerite. Moderate selective interstitial chlorite. Isolated wispy and interstitial sericite. Soft white-greyish clayey alteration.					
73.45	75.00	Py00.2 **Pyrite 0.2%** F-mg euhedral clustered.					
73.45	97.10	Vn;4%;Qak;Ra;;Mo; **vein (5 mm - 10 cm) 4% quartz-ankerite random Molybdenite** White to pale pink qtz-ankerite-feldspar veining. Irregular and cross-cutting with isolated stockworks. Selectively folded and undulose. Isolated incl of molybdenite.					
75.00	76.50	Py01 **Pyrite 1%** F-mg euhedral clustered.	75.00	76.50	R220005	1.50	0.011
76.50	79.50	Py02 **Pyrite 2%** F-mg euhedral clustered.	76.50 78.00	78.00 79.50	R220006 R220007	1.50 1.50	0.009 0.011
79.50	81.00	Py00.5 **Pyrite 0.5%** F-mg euhedral clustered.	79.50 81.00	81.00 82.50	R220008 R220009	1.50 1.50	0.006 <0.005
82.50	84.00	Py01 **Pyrite 1%** F-mg euhedral clustered and fracture controlled.	82.50	84.00	R220010	1.50	0.007
84.00	85.50	Py00.1 **Pyrite 0.1%** F-mg euhedral fracture controlled.	84.00	85.50	R220011	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
85.50	87.00	Py00.5; Mo00.1 **Pyrite 0.5%; Molybdenite 0.1%** F-mg euhedral clustered and fracture controlled py. Isolated vein controlled molybdenite.	85.50	87.00	R220012	1.50	0.007
87.00	91.50	Py01 **Pyrite 1%** F-mg euhedral clustered and fracture controlled.	87.00	88.50	R220013	1.50	0.01
			88.50	90.00	R220014	1.50	0.011
			90.00	91.50	R220015	1.50	0.008
91.50	94.50	Py01; Mo00.1 **Pyrite 1%; Molybdenite 0.1%** F-mg euhedral clustered and fracture controlled py. Isolated vein controlled molybdenite.	91.50	93.00	R220016	1.50	0.01
			93.00	94.50	R220017	1.50	0.007
94.50	97.50	Py01 **Pyrite 1%** F-mg euhedral clustered and fracture controlled.	94.50	96.00	R220018	1.50	0.005
			96.00	97.50	R220019	1.50	0.01
97.10	104.20	Vt;2%;Qak;Vn;;; **veinlet (1-5 mm) 2% quartz-ankerite vein parallel to foliation** Greyish-white qtz-ankerite veinlets with few veins. Typically parallel to lineation at low angle tca. Few cross-cutting at oblique angles.					
97.50	99.00	Py00.5 **Pyrite 0.5%** F-mg euhedral clustered and fracture controlled.	97.50	99.00	R220020	1.50	0.008
99.00	100.50	Py00.1 **Pyrite 0.1%** F-mg euhedral clustered and fracture controlled.	99.00	100.50	R220021	1.50	<0.005
			100.50	102.00	R220022	1.50	<0.005
			102.00	103.50	R220023	1.50	<0.005
103.50	105.00	Py00.2 **Pyrite 0.2%** F-mg euhedral clustered and fracture controlled.	103.50	105.00	R220024	1.50	0.015
104.20	106.80	Vn;5%;Qac;Ra;;; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random** Greyish-white to beige and dk green qtz-ankerite-chl veins to hairlines. Irregular with selective micro-brecciation of wall rock,					
105.00	108.00	Py02 **Pyrite 2%** F-mg euhedral clustered and fracture controlled.	105.00	106.50	R220027	1.50	0.021
			106.50	108.00	R220028	1.50	0.015
106.80	123.00	Vn;3%;Qak;Vc;;; **vein (5 mm - 10 cm) 3% quartz-ankerite vein cross-cutting foliation** Greyish to pinky-beige qtz-ankerite-feldspar veins to veinlets. Cross-cutting as well as oriented within lineation to irregular and folded to undulose.					
108.00	112.50	Py00.2 **Pyrite 0.2%** F-mg euhedral clustered and fracture controlled.	108.00	109.50	R220029	1.50	0.038
			109.50	111.00	R220030	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			111.00	112.50	R220031	1.50	0.018
112.50	115.50	Py00.1	112.50	114.00	R220032	1.50	0.005
		Pyrite 0.1%	114.00	115.50	R220033	1.50	0.006
		F-mg euhedral clustered and fracture controlled.					
115.50	117.00	Py00.2	115.50	117.00	R220034	1.50	<0.005
		Pyrite 0.2%					
		F-mg euhedral clustered and fracture controlled.					
117.00	118.50	Py00.1	117.00	118.50	R220035	1.50	<0.005
		Pyrite 0.1%	118.50	120.00	R220036	1.50	<0.005
		F-mg euhedral clustered and fracture controlled.	120.00	121.50	R220037	1.50	<0.005
121.50	124.50	Py00.1	121.50	123.00	R220038	1.50	0.005
		Pyrite 0.1%					
		F-mg euhedral clustered and fracture controlled.					
123.00	185.00	Cl03; Ank01; Ca01; Mgt01; Se01	123.00	124.50	R220039	1.50	<0.005
		Chlorite 3; Ankerite 1; Calcite 1; Magnetite 1; Sericite 1	124.50	126.00	R220040	1.50	<0.005
		Moderate to strong pervasive-interstitial chloritization. Weak to moderate selective ankerite alteration.					
		Isolated veinlets and patches of weak interstitial calcite alteration. Selectively disseminated weak to					
		moderate magnetism. Trace isolated wispy and interstitial sericite.					
123.00	126.00	Vn;5%;Qcr;Vc;;;					
		vein (5 mm - 10 cm) 5% quartz-carbonate vein cross-cutting foliation					
		Pinky-grey qtz-calcite veins surrounded with yellowy-beige qtz-ankerite veinlets. Cross-cutting lineation.					
126.00	132.10	Vt;1%;Qca;Vn;;;	126.00	127.50	R220041	1.50	<0.005
		veinlet (1-5 mm) 1% quartz-calcite vein parallel to foliation	127.50	129.00	R220042	1.50	<0.005
		Greyish-white qtz-calcite veinlets to hairlines. Majority within lineation with few cross-cutting. Isolated					
		ankeritic veinlets.					
129.00	130.50	Py00.5	129.00	130.50	R220043	1.50	0.011
		Pyrite 0.5%					
		F-mg euhedral clustered and fracture controlled.					
130.50	132.00	Py02	130.50	132.00	R220044	1.50	0.011
		Pyrite 2%					
		F-mg euhedral clustered and fracture controlled.					
132.00	133.50	Py01	132.00	133.50	R220045	1.50	0.008
		Pyrite 1%					
		F-mg euhedral clustered and fracture controlled.					
132.10	132.66	Vn;35%;Qcr;Ra;;;					
		vein (5 mm - 10 cm) 35% quartz-carbonate random					
		Beige to pinky qtz-ankerite-feldspar veining with selected calcite incl. Irregular and undulatory.					
132.66	157.30	Vt;2%;Ca;Vn;;;					
		veinlet (1-5 mm) 2% calcite vein parallel to foliation					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Greyish-white to pinkish calcite veinlets to hairlines within lineation as well as cross-cutting. Few beige undulatory ankeritic veinlets.					
133.50	138.00	Py00.5	133.50	135.00	R220046	1.50	0.007
		Pyrite 0.5%	135.00	136.50	R220047	1.50	<0.005
		F-mg euhedral clustered and fracture controlled.	136.50	138.00	R220048	1.50	0.008
138.00	141.00	Py01	138.00	139.50	R220049	1.50	0.058
		Pyrite 1%	139.50	141.00	R220052	1.50	0.007
		F-mg euhedral clustered and fracture controlled.					
141.00	142.50	Py00.1	141.00	142.50	R220053	1.50	<0.005
		Pyrite 0.1%					
		F-mg euhedral clustered and fracture controlled.					
142.50	145.50	Py00.5	142.50	144.00	R220054	1.50	0.005
		Pyrite 0.5%	144.00	145.50	R220055	1.50	0.005
		F-mg euhedral clustered and fracture controlled.					
145.50	147.00	Py01	145.50	147.00	R220056	1.50	0.008
		Pyrite 1%					
		F-mg euhedral clustered and fracture controlled.					
147.00	153.00	Py02	147.00	148.50	R220057	1.50	0.008
		Pyrite 2%	148.50	150.00	R220058	1.50	0.006
		F-mg euhedral clustered and fracture controlled.	150.00	151.50	R220059	1.50	0.007
			151.50	153.00	R220060	1.50	<0.005
153.00	154.50	Py03	153.00	154.50	R220061	1.50	0.006
		Pyrite 3%					
		F-mg euhedral clustered and fracture controlled.					
154.50	156.00	Py01	154.50	156.00	R220062	1.50	<0.005
		Pyrite 1%					
		F-mg euhedral clustered and fracture controlled.					
156.00	157.50	Py00.5	156.00	157.50	R220063	1.50	0.005
		Pyrite 0.5%					
		F-mg euhedral clustered and fracture controlled.					
157.30	174.25	Vn;3%;Qcr;Ra;;;					
		vein (5 mm - 10 cm) 3% quartz-carbonate random					
		White-beige to pinky-red qtz-ankerite veining with selected incl of calcite. Irregular and cross-cutting. Selected stock works. Isolated incl of dk green chl.					
157.50	159.00	Py00.1	157.50	159.00	R220064	1.50	0.005
		Pyrite 0.1%					
		F-mg euhedral clustered and fracture controlled.					
159.00	160.50	Py00.2	159.00	160.50	R220065	1.50	0.006
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		F-mg euhedral clustered and fracture controlled.					
160.50	162.00	Py00.5	160.50	162.00	R220066	1.50	0.014
		Pyrite 0.5%					
		F-mg euhedral clustered and fracture controlled.					
162.00	165.00	Py00.2	162.00	163.50	R220067	1.50	0.006
		Pyrite 0.2%	163.50	165.00	R220068	1.50	0.007
		F-mg euhedral clustered and fracture controlled.					
165.00	168.00	Py00.5	165.00	166.50	R220069	1.50	<0.005
		Pyrite 0.5%	166.50	168.00	R220070	1.50	0.007
		F-mg euhedral clustered and fracture controlled.					
168.00	172.50	Py00.2	168.00	169.50	R220071	1.50	0.179
		Pyrite 0.2%	169.50	171.00	R220072	1.50	0.006
		F-mg euhedral clustered and fracture controlled.	171.00	172.50	R220073	1.50	<0.005
172.50	175.50	Py01	172.50	174.00	R220074	1.50	<0.005
		Pyrite 1%	174.00	175.50	R220077	1.50	0.008
		F-mg euhedral clustered and fracture controlled.					
175.50	177.00	Py00.2	175.50	177.00	R220078	1.50	0.009
		Pyrite 0.2%					
		F-mg euhedral clustered and fracture controlled.					
177.00	189.00	Py00.1	177.00	178.50	R220079	1.50	0.008
		Pyrite 0.1%	178.50	180.00	R220080	1.50	<0.005
		F-mg euhedral clustered and fracture controlled.	180.00	181.50	R220081	1.50	<0.005
			181.50	183.00	R220082	1.50	<0.005
			183.00	184.50	R220083	1.50	<0.005
183.88	183.90	Vn;40%;Ak;Fl;;;					
		vein (5 mm - 10 cm) 40% ankerite flooding					
		Small white ankerite vein brecciating wall rock.					
184.50	192.00	Vt;1%;Ak;Ra;;;	184.50	186.00	R220084	1.50	<0.005
		veinlet (1-5 mm) 1% ankerite random					
		Greyish-beige ankerite veinlets to hairlines.					
185.00	205.25	Cl03; Ank02; Se01	186.00	187.50	R220085	1.50	<0.005
		Chlorite 3; Ankerite 2; Sericite 1	187.50	189.00	R220086	1.50	<0.005
		Strong pervasive-interstitial chloritization. Moderate selective ankerite. Isolated traces of weak interstitial sericite.					
189.00	190.50	Py00.2	189.00	190.50	R220087	1.50	0.006
		Pyrite 0.2%					
		F-mg euhedral clustered and fracture controlled.					
190.50	196.50	Py00.5; As00.1	190.50	192.00	R220088	1.50	0.006
		Pyrite 0.5%; Arsenopyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		F-mg euhedral clustered and fracture controlled py. Selective clustered grains of mg arsenopyrite.					
192.00	201.00	Vn;3%;Qak;Ra;;As;	192.00	193.50	R220089	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite random Arsenopyrite	193.50	195.00	R220090	1.50	0.008
		White-beige to greyish qtz-ankerite veins to veinlets. Oblique tca. Selectively undulose. Isolated	195.00	196.50	R220091	1.50	0.011
		clustered incl of mg euhedral arsenopyrite.					
196.50	199.50	Py01	196.50	198.00	R220092	1.50	0.018
		Pyrite 1%	198.00	199.50	R220093	1.50	0.011
		F-mg euhedral clustered and fracture controlled.					
199.50	201.00	Py00.2; As00.1	199.50	201.00	R220094	1.50	0.008
		Pyrite 0.2%; Arsenopyrite 0.1%					
		F-mg euhedral clustered and fracture controlled py. Selective mg arsenopyrite.					
201.00	202.50	Py00.5					
		Pyrite 0.5%					
		F-mg euhedral clustered and fracture controlled.					
201.00	204.50	Vn;2%;Qak;Ra;;;	201.00	202.50	R220095	1.50	0.008
		vein (5 mm - 10 cm) 2% quartz-ankerite random					
		White-grey to pinky qtz-ankerite veining with select k-spar. Selectively cross-cutting.					
202.50	204.00	Py01	202.50	204.00	R220096	1.50	0.011
		Pyrite 1%					
		F-mg euhedral clustered and fracture controlled.					
204.00	205.50	Py00.5	204.00	205.50	R220097	1.50	0.009
		Pyrite 0.5%					
		F-mg euhedral clustered and fracture controlled.					
204.50	231.00	Vm;15%;Qak;Ra;;Mo;					
		major vein (10 cm or greater) 15% quartz-ankerite random Molybdenite					
		Lg beige to pink-red qtz-ankerite and k-spar veining. Irregular and cross-cutting stockworks within					
		massive veins. Pegmatitic textures. Selected incl of molybdenite.					
205.25	238.43	V4; Tuff; Pyro					
		Trachyte 85°; TUFF; PYROCLASTIC					
		Pale to med greenish-grey pyroclastic trachytic tuff. Fg groundmass with moderate interstitial chlorite alteration.					
		Moderate selective ankerite alteration. Isolated weak to moderate potassic alteration of glassy and perlitic					
		fragments elongated along lineation to form a banded pattern. Weak interstitial sericite attenuated along					
		lineation. Possible weak foliation. Patchy disseminated f-mg magnetite. Massive red-pink to yellowy-beige					
		pegmatitic veining up to 90cm wide with stockwork-like qtz-ankerite and k-felds. Trace to 0.5 pct f-mg					
		clustered to vein controlled py. Isolated vein controlled molybdenite.					
205.25	237.00	Ank02; Cl02; Mgt02; K01; Se01					
		Ankerite 2; Chlorite 2; Magnetite 2; Potassic 1; Sericite 1					
		Moderate to strong selective ankerite alteration. Moderate interstitial med green chloritization. Moderate					
		disseminated magnetite. Isolated weak to moderate potassic alteration of glassy fragments and selected					
		veining. Isolated weak wispy-interstitial sericite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
205.50	211.50	Py00.1	205.50	207.00	R220098	1.50	<0.005
		Pyrite 0.1%	207.00	208.50	R220099	1.50	<0.005
		F-mg euhedral clustered and fracture controlled.	208.50	210.00	R220102	1.50	<0.005
			210.00	211.50	R220103	1.50	0.007
211.50	220.50	Py00.2	211.50	213.00	R220104	1.50	0.394
		Pyrite 0.2%	213.00	214.00	R220105	1.00	0.031
		F-mg euhedral clustered and fracture controlled.	214.00	215.00	R220106	1.00	<0.005
			215.00	216.00	R220107	1.00	0.005
			216.00	217.50	R220108	1.50	0.007
			217.50	219.00	R220109	1.50	0.005
			219.00	220.50	R220110	1.50	0.006
220.50	222.00	Py00.5	220.50	222.00	R220111	1.50	0.019
		Pyrite 0.5%					
		F-mg euhedral clustered and fracture controlled.					
222.00	224.00	Py00.2	222.00	223.00	R220112	1.00	0.015
		Pyrite 0.2%	223.00	224.00	R220113	1.00	<0.005
		F-mg euhedral clustered and fracture controlled.					
224.00	226.50	Py01	224.00	225.00	R220114	1.00	0.018
		Pyrite 1%	225.00	226.00	R220115	1.00	0.019
		F-mg euhedral clustered and fracture controlled.	226.00	227.00	R220116	1.00	<0.005
			227.00	228.00	R220117	1.00	<0.005
228.00	231.00	Py01; Mo00.1	228.00	229.50	R220118	1.50	0.01
		Pyrite 1%; Molybdenite 0.1%	229.50	231.00	R220119	1.50	0.008
		F-mg euhedral clustered and fracture controlled py. Isolated vein controlled molybdenite.					
231.00	232.50	Py00.2					
		Pyrite 0.2%					
		F-mg euhedral clustered and fracture controlled.					
231.00	236.00	Vn;3%;Qak;Ra;;;	231.00	232.50	R220120	1.50	0.007
		vein (5 mm - 10 cm) 3% quartz-ankerite random					
		Yellowy-beige to pinky-red qtz-ankerite and k-felds veins to veinlets.					
232.50	234.00	Py00.1	232.50	234.00	R220121	1.50	0.007
		Pyrite 0.1%	234.00	235.50	R220122	1.50	0.005
		F-mg euhedral clustered and fracture controlled.	235.50	237.00	R220123	1.50	0.005
236.00	273.00	Vn;2%;Qcr;Ra;;;					
		vein (5 mm - 10 cm) 2% quartz-carbonate random					
		Greyish-white to pink and pale green qtz-carbonate veins to veinlets. Pinky calcite together with pale					
		green ankerite and white to grey qtz. Selected incl of dk green chl. Veining at high angle tca.					

Description			Assay				
			From	To	Sample number	Length	AuBest
237.00	271.50	Cl03; Ca01; Ank01; Mgt01; Se01 **Chlorite 3; Calcite 1; Ankerite 1; Magnetite 1; Sericite 1** Moderate to strong pervasive chloritization. Weak to moderate selective interstitial calcite alteration. Selective weak ankerite. Patchy disseminated weak to moderate magnetism. Isolated wispy-interstitial sericite.	237.00	238.50	R220124	1.50	0.006
237.00	240.00	Py00.2 **Pyrite 0.2%** F-mg euhedral clustered and fracture controlled.					
238.43	300.00	V4; Amy **Trachyte 90°; Amygdaloidal** Med to dk greyish-green fg trachytic flow. Strong pervasive chloritization. Weak selective ankerite transitioning to calcite alteration downhole. Isolated traces of interstitial sericite. Moderate patchy to pervasively disseminated f-mg subhedral magnetite. Pale greenish-grey to pink qtz-ankerite-calcite veining becoming pink qtz-calcite veining downhole. Selective pinky-grey calcite-filled medium rounded amygdaloids oriented within lineation oblique tca. Trace to 0.5 pct f-mg eu-subhedral clustered to fracture-controlled py which tapers out where magnetite becomes pervasive.	238.50	240.00	R220127	1.50	0.006
240.00	241.50	Py00.5 **Pyrite 0.5%** F-mg euhedral clustered and fracture controlled.	240.00 241.50	241.50 243.00	R220128 R220129	1.50 1.50	0.017 0.005
243.00	244.50	Py00.1 **Pyrite 0.1%** F-mg euhedral clustered and fracture controlled.	243.00	244.50	R220130	1.50	0.006
244.50	246.00	Py00.2 **Pyrite 0.2%** F-mg euhedral clustered and fracture controlled.	244.50	246.00	R220131	1.50	0.009
246.00	249.00	Py00.5 **Pyrite 0.5%** F-mg euhedral clustered and fracture controlled.	246.00 247.50	247.50 249.00	R220132 R220133	1.50 1.50	0.008 0.009
249.00	250.50	Py00.1 **Pyrite 0.1%** F-mg euhedral clustered and fracture controlled.	249.00	250.50	R220134	1.50	0.006
250.50	255.00	Py00.2 **Pyrite 0.2%** F-mg euhedral clustered and fracture controlled.	250.50 252.00 253.50	252.00 253.50 255.00	R220135 R220136 R220137	1.50 1.50 1.50	0.008 0.011 0.006
255.00	256.50	Py00.1 **Pyrite 0.1%** F-mg euhedral clustered and fracture controlled.	255.00 256.50 258.00	256.50 258.00 259.50	R220138 R220139 R220140	1.50 1.50 1.50	0.006 0.005 0.005
259.50	261.00	Py00.2	259.50	261.00	R220141	1.50	0.075

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.2%					
		F-mg euhedral clustered and fracture controlled.					
261.00	262.50	Py00.1	261.00	262.50	R220142	1.50	0.006
		Pyrite 0.1%					
		F-mg euhedral clustered and fracture controlled.					
262.50	267.00	Py00.2	262.50	264.00	R220143	1.50	0.005
		Pyrite 0.2%	264.00	265.50	R220144	1.50	<0.005
		F-mg euhedral clustered and fracture controlled.	265.50	267.00	R220145	1.50	0.006
267.00	268.50	Py00.5	267.00	268.50	R220146	1.50	0.008
		Pyrite 0.5%	268.50	270.00	R220147	1.50	<0.005
		F-mg euhedral clustered and fracture controlled.					
270.00	271.50	Py00.2	270.00	271.50	R220148	1.50	0.006
		Pyrite 0.2%					
		F-mg euhedral clustered and fracture controlled.					
271.50	300.00	Cl03; Mgt02; Ca02	271.50	273.00	R220149	1.50	<0.005
		Chlorite 3; Magnetite 2; Calcite 2					
		Strong pervasive med to dk green chloritization. Moderate pervasive disseminated magnetite. Weak to					
		moderate selective interstitial calcite alteration.					
273.00	300.00	Vn;2%;Qca;Ra;;;	273.00	274.50	R220152	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-calcite random	274.50	276.00	R220153	1.50	<0.005
		Pinky-grey qtz-calcite veins to veinlets and hairlines. Oblique at high to low angles tca. Selective	276.00	277.50	R220154	1.50	<0.005
		cross-cutting to oriented within fabric of rock.	277.50	279.00	R220155	1.50	<0.005
			279.00	280.50	R220156	1.50	<0.005
			280.50	282.00	R220157	1.50	<0.005
			282.00	283.50	R220158	1.50	0.011
			283.50	285.00	R220159	1.50	0.005
			285.00	286.50	R220160	1.50	<0.005
			286.50	288.00	R220161	1.50	<0.005
			288.00	289.50	R220162	1.50	0.014
			289.50	291.00	R220163	1.50	<0.005
			291.00	292.50	R220164	1.50	<0.005
			292.50	294.00	R220165	1.50	0.015
			294.00	295.50	R220166	1.50	<0.005
			295.50	297.00	R220167	1.50	<0.005
			297.00	298.50	R220168	1.50	0.01
			298.50	300.00	R220169	1.50	0.006

300.00	End of DDH
	Number of samples: 154
	Number of QAQC samples: 12
	Total sampled length: 226.55

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_93

Drilled by:	Major	Claims title:	L9495	Section:	
Described by:	Gilles KAMTA	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	12/05/2014	Description date:	18/05/2014
		To:	17/05/2014		

Collar

Azimuth: 205.0°
Dip: -50.0°
Length: 462.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,376.843
North	0.0	0.000	5,331,651.406
Elevation	0.0	0.000	344.404

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	205.0°	-50.0°	No	
ReflexEZS	90.00	202.0°	-53.2°	No	Mag = 55222
ReflexEZS	150.00	198.7°	-54.4°	No	Mag = 55171
ReflexEZS	210.00	198.7°	-54.8°	No	Mag = 54749
ReflexEZS	270.00	197.9°	-55.0°	No	Mag = 55037
ReflexEZS	330.00	197.0°	-54.8°	No	Mag = 554872
ReflexEZS	390.00	196.7°	-54.3°	No	Mag = 55149
ReflexEZS	450.00	196.9°	-54.1°	No	Mag = 55009

Description

Bloc error: One bloc jump Bloc 390 in place of 393 correction made and ajustement till the end of the hole.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	73.10	OVB					
		Overburden					
		73.1m of overburden.					
73.10	120.75	V4; FlBand					
		Trachyte; FLOWBANDED					
		Medium greenish-grey fine grained (locally) flow banded trachyte with occasional tuffaceous intervals containing stretched/moderately foliated ankerite altered/replaced lapilli. Moderate to strong pervasive ankeritic alteration that drops out (83.8m) and returns (88m) and is replaced by a moderate pervasive calcitic alteration over that interval. Moderate to strong fracture-controlled chloritic alteration, weak vein-controlled potassic alteration, weak patchy wisps of sericite and rusty orange oxidation along fractures down to 91.2m. Non magnetic. 2% qtz/ankerite +/- k-spar veining. <1% late calcite veining with trace cpy. Generally trace to 0.5% py but short intervals (10-20cm) have up to 2-3% fine to coarse grained euhedral py associated with narrow qtz/py veinlets. Trace cpy can be found from 93.55-94.5m associated with late calcite fracture fill. Trace galena associated with qtz/ankerite/k-spar vein at 115.5m					
73.10	83.80	Ank02; Cl02; K01; Se01; Ox01					
		Ankerite 2; Chlorite 2; Potassic 1; Sericite 1; Oxidation 1					
		Moderate to strong pervasive ankeritic alteration moderate to strong fracture-controlled chloritic alteration, weak vein-controlled potassic alteration, weak patchy wisps of sericite and rusty orange oxidation along fractures.					
73.10	126.10	Fln	73.10	74.00	R216728	0.90	<0.005
		Foliation 30°	74.00	75.00	R216729	1.00	<0.005
		Weak to moderate intermittent foliation more pronounced in tuffaceous intervals. Lineations in the trachyte tend toward flowbanding rather than foliation.	75.00	76.50	R216730	1.50	<0.005
			76.50	78.00	R216731	1.50	<0.005
			78.00	79.50	R216732	1.50	<0.005
78.30	93.55	Py00.5	79.50	81.00	R216733	1.50	<0.005
		Pyrite 0.5%	81.00	82.50	R216734	1.50	0.012
		Generally trace py but there are intervals of qtz/py veinlets up to 2% coarse euhedral py.					
82.50	85.70	Vn;10%;Qac;Ra;;Py00.5;	82.50	84.00	R216735	1.50	<0.005
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 0.5%					
		Qtz/ankerite/chlorite + k-spar veining with up to 0.5% py.					
83.80	88.00	Ca02; Cl02; K01; Se01; Ox01	84.00	85.50	R216736	1.50	<0.005
		Calcite 2; Chlorite 2; Potassic 1; Sericite 1; Oxidation 1	85.50	87.00	R216737	1.50	<0.005
		Moderate pervasive calcitic alteration, moderate to strong fracture-controlled chloritic alteration, weak vein-controlled potassic alteration, weak patchy wisps of sericite and rusty orange oxidation along fractures down to 91.2m.	87.00	88.50	R216738	1.50	<0.005
88.00	91.20	Ank02; Cl02; K01; Se01; Ox01	88.50	90.00	R216739	1.50	<0.005
		Ankerite 2; Chlorite 2; Potassic 1; Sericite 1; Oxidation 1	90.00	91.50	R216740	1.50	<0.005
		Moderate to strong pervasive ankeritic alteration, moderate to strong fracture-controlled chloritic alteration, weak vein-controlled potassic alteration, weak patchy wisps of sericite and rusty orange oxidation along fractures.					

Description			Assay				
			From	To	Sample number	Length	AuBest
91.20	214.50	Ank02; Cl02; K01; Se01	91.50	93.00	R216741	1.50	0.014
		Ankerite 2; Chlorite 2; Potassic 1; Sericite 1	93.00	94.50	R216742	1.50	<0.005
		Moderate to strong pervasive ankeritic alteration, moderate to strong fracture-controlled chloritic alteration, weak to locally strong vein-controlled potassic alteration, weak to locally moderate patchy wisps of sericite.					
93.55	94.50	Cp00.1; Py01					
		Chalcopyrite 0.1%; Pyrite 1%					
		Trace cpy in late calcite fracture fill. 1% coarse euhedral py in qtz/py veinlets.					
93.55	94.50	Vt;1%;Ca;In;;Cp00.1;	94.50	96.00	R216743	1.50	<0.005
		veinlet (1-5 mm) 1% calcite infilled fractures Chalcopyrite 0.1%	96.00	97.50	R216744	1.50	<0.005
		Calcite fracture fill with chalcopyrite.	97.50	99.00	R216745	1.50	<0.005
			99.00	100.50	R216746	1.50	0.02
			100.50	102.00	R216747	1.50	0.006
101.65	105.00	Py00.5	102.00	103.50	R216748	1.50	0.007
		Pyrite 0.5%	103.50	105.00	R216749	1.50	<0.005
		0.5% finely disseminated py.	105.00	106.50	R216752	1.50	0.015
			106.50	108.00	R216753	1.50	0.005
			108.00	109.50	R216754	1.50	0.023
108.20	116.30	Py01	109.50	111.00	R216755	1.50	0.011
		Pyrite 1%	111.00	112.50	R216756	1.50	0.017
		1-2% medium to coarse euhedral py in qtz/py veinlets as well as finely disseminated py.	112.50	114.00	R216757	1.50	0.006
			114.00	115.50	R216758	1.50	0.005
			115.50	117.00	R216759	1.50	<0.005
108.20	115.60	Vn;5%;Qac;Ra;;Py01 PbS00.1;					
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 1% Galena 0.1%					
		Qtz/ankerite/chlorite +/- k-spar veining with up to 1% py and trace galena (at 115.5m).					
116.30	120.75	Py00.5	117.00	118.50	R216760	1.50	0.015
		Pyrite 0.5%	118.50	120.00	R216761	1.50	0.006
		0.5% finely disseminated py with minor euhedral qtz/py veinlets.	120.00	121.50	R216762	1.50	0.008
120.30	136.50	Vn;2%;Qac;Ra;;Py00.1;					
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random Pyrite 0.1%					
		Qtz/ankerite/chlorite +/- k-spar veining with up to 1% py but generally trace.					
120.75	141.00	V4; LapTuff	121.50	123.00	R216763	1.50	0.005
		Trachyte; LAPILLI TUFF/AGGLOMERATE	123.00	124.50	R216764	1.50	0.016
		Beige to medium green/grey weakly to moderately foliated (30-40 dtca) lapilli tuff in a fine to medium grained groundmass with localized massive trachyte intervals. Fault with gouge running sub-parallel tca from 126.1-128.2 m. Moderate to strong pervasive ankeritic alteration, moderate to strong fracture-controlled	124.50	126.00	R216765	1.50	0.024
			126.00	127.50	R216766	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
		chloritic alteration, weak vein-controlled potassic alteration, weak to locally moderate wispy sericite. Non magnetic. 3-5% qtz/ankerite +/- k-spar veining. Pyrite is generally 1-2% finely disseminated to coarse grained euhedral in qtz/py veinlets with intervals of only trace py. This interval also has trace coarse euhedral arsenopyrite scattered randomly throughout the unit with a cluster toward the lower contact.					
120.75	134.70	Py01; As00.1 **Pyrite 1%; Arsenopyrite 0.1%** 1% finely disseminated and medium to coarse euhedral py. Trace sub to euhedral arsenopyrite.					
126.10	128.20	Gg **Fault gouge 10°** 2m of gouge and rubble that runs sub-parallel tca.	127.50	129.00	R216767	1.50	0.013
128.20	462.00	Fln **Foliation 30°** Weak to moderate intermittent foliation more pronounced in tuffaceous intervals.	129.00	130.50	R216768	1.50	0.013
			130.50	132.00	R216769	1.50	0.009
			132.00	133.50	R216770	1.50	0.008
			133.50	135.00	R216771	1.50	0.008
			135.00	136.50	R216772	1.50	0.005
			136.50	138.00	R216773	1.50	0.011
137.85	141.00	Py02; As00.1 **Pyrite 2%; Arsenopyrite 0.1%** 2% finely disseminated and medium to coarse euhedral py. Euhedral arsenopyrite cluster (locally 1%) at 140.8-141m.	138.00	139.50	R216774	1.50	0.096
			139.50	141.00	R216777	1.50	0.06
141.00	462.00	V4; FlBand **Trachyte; FLOWBANDED** Medium greenish-grey fine grained (locally) flow banded trachyte with occasional tuffaceous intervals containing stretched/moderately foliated ankerite altered/replaced lapilli. Moderate to strong pervasive ankeritic alteration that intercalates with a weak to moderate pervasive calcitic alteration, moderate to strong fracture-controlled chloritic alteration, weak to locally strong vein-controlled potassic alteration, weak patchy wisps of sericite. Non magnetic alternating with moderate to strongly magnetic with visible magnetite blebs. 2% qtz/ankerite/chlorite +/- k-spar veining. Rare late calcite veining with trace cpy. Generally trace to 0.5% py but locally up to 2-3% fine to coarse grained euhedral py associated with narrow qtz/py veinlets that have a pink potassic alteration downhole.	141.00	142.50	R216778	1.50	0.025
141.00	167.00	Py02 **Pyrite 2%** 2% finely disseminated and medium to coarse euhedral py.					
141.35	143.43	Vn;10%;Qac;Ra;;Py02; **vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 2%** Major qtz with minor ankerite and chlorite +/- minor k-spar veining with up to 2% py in the surrounding host rock.	142.50	144.00	R216779	1.50	0.017
			144.00	145.50	R216780	1.50	0.006
			145.50	147.00	R216781	1.50	<0.005
			147.00	148.50	R216782	1.50	0.008
			148.50	150.00	R216783	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			150.00	151.50	R216784	1.50	0.015
150.30	157.00	Vt;2%;Qak;Ra;;Py02;	151.50	153.00	R216785	1.50	0.012
		veinlet (1-5 mm) 2% quartz-ankerite random Pyrite 2%	153.00	154.50	R216786	1.50	0.018
		Major qtz with minor ankerite +/- k-spar veinlets with up to 2% py in the surrounding host rock.	154.50	156.00	R216787	1.50	0.022
			156.00	157.50	R216788	1.50	<0.005
157.40	163.70	Vn;3%;Qac;Ra;;Py02;	157.50	159.00	R216789	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 2%	159.00	160.50	R216790	1.50	0.007
		Qtz/ankerite/chlorite + k-spar veining with up to 2% py and a moderate to strong potassic alteration halo	160.50	162.00	R216791	1.50	0.011
		in the surrounding host rock.	162.00	163.50	R216792	1.50	0.011
			163.50	165.00	R216793	1.50	0.013
163.70	163.95	Vm;80%;Ak;;20°;Py00.1;	165.00	166.50	R216794	1.50	0.017
		major vein (10 cm or greater) 80% ankerite 20° Pyrite 0.1%	166.50	168.00	R216795	1.50	<0.005
		Ankerite vein with potassic alteration along microfractures.					
166.65	167.10	Vm;60%;Qac;;;Py02;					
		major vein (10 cm or greater) 60% quartz-ankerite-chlorite Pyrite 2%					
		White qtz veining with minor ankerite/chlorite and k-spar/potassic alteration with 2% py in the					
		surrounding host rock.					
167.75	172.30	Vn;5%;Qac;Ra;;Py00.1;	168.00	169.50	R216796	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 0.1%	169.50	171.00	R216797	1.50	<0.005
		Ankerite/k-spar + minor qtz and chlorite along margins. Occasionally chlorite fracture fill carries py leaf.	171.00	172.50	R216798	1.50	<0.005
172.20	178.50	Py01					
		Pyrite 1%					
		1-2% medium to coarse euhedral py in narrow qtz/py veinlets.					
172.40	178.90	Vn;5%;Qac;Ra;;Py02;	172.50	174.00	R216799	1.50	0.007
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 2%	174.00	175.50	R216802	1.50	<0.005
		Light green/grey ankerite veining with minor qtz and weak potassic alteration along microfractures. Up to	175.50	177.00	R216803	1.50	0.006
		2% py in surrounding host rock.	177.00	178.50	R216804	1.50	0.008
			178.50	180.00	R216805	1.50	0.006
			180.00	181.50	R216806	1.50	<0.005
			181.50	183.00	R216807	1.50	<0.005
			183.00	184.50	R216808	1.50	<0.005
184.00	185.40	Vn;2%;Qac;Vn;40°;Py00.1;	184.50	186.00	R216809	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 40° Pyrite	186.00	187.50	R216810	1.50	0.005
		0.1%	187.50	189.00	R216811	1.50	0.008
		Narrow (<1cm) qtz/ankerite/chlorite veining with a weak potassic alteration at 35-45 dtca parallel to weak	189.00	190.50	R216812	1.50	<0.005
		foliation.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			190.50	192.00	R216813	1.50	0.013
			192.00	193.50	R216814	1.50	0.03
			193.50	195.00	R216815	1.50	0.077
			195.00	196.50	R216816	1.50	<0.005
			196.50	198.00	R216817	1.50	<0.005
			198.00	199.50	R216818	1.50	<0.005
			199.50	201.00	R216819	1.50	0.02
			201.00	202.50	R216820	1.50	0.008
			202.50	204.00	R216821	1.50	0.005
203.30	214.50	Py01					
		Pyrite 1%					
		1-2% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.					
203.80	204.20	Vm;80%;Qac;;;Py01;	204.00	205.50	R216822	1.50	0.037
		major vein (10 cm or greater) 80% quartz-ankerite-chlorite Pyrite 1%	205.50	207.00	R216823	1.50	0.506
		Large light green grey ankerite/chlorite/qtz vein with a moderate pinkish red potassic alteration.					
		Surrounding host rock has up to 1% py.					
206.45	206.55	Vm;90%;Qac;;60°;Py01;	207.00	208.50	R216824	1.50	0.171
		major vein (10 cm or greater) 90% quartz-ankerite-chlorite 60° Pyrite 1%	208.50	210.00	R216827	1.50	0.013
		Large light green grey ankerite/chlorite/qtz vein with a strong brownish red potassic alteration with fine					
		py along the margins associated with chlorite. Surrounding host rock has up to 1% py. It should be noted					
		that this sample interval (205.5-207m) had the highest Au value for this hole at 0.506 g/tonne.					
209.50	214.50	Vn;10%;Qac;Ra;;Py02;	210.00	211.50	R216828	1.50	0.02
		vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 2%	211.50	213.00	R216829	1.50	0.029
		Light green grey ankerite/chlorite/qtz veining with a moderate to strong pinkish red potassic alteration.	213.00	214.50	R216830	1.50	0.135
		Surrounding host rock has up to 2% py.					
214.50	243.00	Ca02; Cl02; K01; Se01	214.50	216.00	R216831	1.50	<0.005
		Calcite 2; Chlorite 2; Potassic 1; Sericite 1	216.00	217.50	R216832	1.50	<0.005
		Weak to moderate pervasive calcitic alteration, moderate to strong fracture-controlled chloritic alteration,	217.50	219.00	R216833	1.50	<0.005
		weak to locally strong vein-controlled potassic alteration, weak patchy wisps of sericite.	219.00	220.50	R216834	1.50	0.007
			220.50	222.00	R216835	1.50	<0.005
			222.00	223.50	R216836	1.50	<0.005
			223.50	225.00	R216837	1.50	<0.005
			225.00	226.50	R216838	1.50	<0.005
			226.50	228.00	R216839	1.50	<0.005
			228.00	229.50	R216840	1.50	<0.005
			229.50	231.00	R216841	1.50	<0.005
			231.00	232.50	R216842	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
231.20	239.00	Py01; Cp00.1	232.50	234.00	R216843	1.50	<0.005
		Pyrite 1%; Chalcopyrite 0.1%	234.00	235.50	R216844	1.50	0.007
		1-2% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets. Trace cpy.	235.50	237.00	R216845	1.50	0.007
			237.00	238.50	R216846	1.50	0.007
			238.50	240.00	R216847	1.50	<0.005
			240.00	241.50	R216848	1.50	<0.005
			241.50	243.00	R216849	1.50	0.022
243.00	307.00	Ank02; Cl02; K01; Se01	243.00	244.50	R216852	1.50	0.077
		Ankerite 2; Chlorite 2; Potassic 1; Sericite 1	244.50	246.00	R216853	1.50	0.012
		Moderate to strong pervasive ankeritic alteration, moderate to strong fracture-controlled chloritic	246.00	247.50	R216854	1.50	0.009
		alteration, weak to locally strong vein-controlled potassic alteration, weak patchy wisps of sericite.	247.50	249.00	R216855	1.50	0.046
			249.00	250.50	R216856	1.50	0.016
			250.50	252.00	R216857	1.50	<0.005
251.20	257.00	Py00.5	252.00	253.50	R216858	1.50	0.012
		Pyrite 0.5%	253.50	255.00	R216859	1.50	<0.005
		0.5% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.	255.00	256.50	R216860	1.50	0.006
			256.50	258.00	R216861	1.50	0.022
256.80	261.20	Vn;5%;Qac;Ra;;Py02;					
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 2%					
		Ankerite/chlorite/qtz veining with a moderate to strong pinkish red potassic alteration. Surrounding host					
		rock has up to 2% py..					
257.00	261.20	Py02	258.00	259.50	R216862	1.50	0.019
		Pyrite 2%	259.50	261.00	R216863	1.50	0.012
		2% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.	261.00	262.50	R216864	1.50	0.01
261.20	262.60	Py00.5	262.50	264.00	R216865	1.50	0.037
		Pyrite 0.5%	264.00	265.50	R216866	1.50	0.038
		0.5% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.					
265.50	270.20	Py00.5	265.50	267.00	R216867	1.50	0.016
		Pyrite 0.5%					
		0.5% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.					
265.65	265.90	Vm;90%;Qac;;55°;Py00.5 Cp00.1;	267.00	268.50	R216868	1.50	0.012
		major vein (10 cm or greater) 90% quartz-ankerite-chlorite 55° Pyrite 0.5%	268.50	270.00	R216869	1.50	0.017
		Chalcopyrite 0.1%	270.00	271.50	R216870	1.50	<0.005
		Ankerite/chlorite/qtz veining with a moderate to strong pinkish red potassic alteration. Trace cpy in	271.50	273.00	R216871	1.50	0.005
		veining and 0.5% py in surrounding host rock.	273.00	274.50	R216872	1.50	0.006

Description			Assay				
			From	To	Sample number	Length	AuBest
			274.50	276.00	R216873	1.50	0.007
			276.00	277.50	R216874	1.50	0.012
276.50	277.35	Py02	277.50	279.00	R216877	1.50	<0.005
		Pyrite 2%	279.00	280.50	R216878	1.50	<0.005
		2% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.	280.50	282.00	R216879	1.50	0.009
281.35	283.20	Py02	282.00	283.50	R216880	1.50	0.01
		Pyrite 2%	283.50	285.00	R216881	1.50	<0.005
		1-2% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.	285.00	286.50	R216882	1.50	<0.005
285.25	289.50	Vn;3%;Qac;Ra;;Py00.5;					
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.5%					
		Ankerite/chlorite/qtz veining with a moderate to strong pinkish red potassic alteration. Surrounding host rock has up to 1% py.					
286.00	300.60	Py00.5	286.50	288.00	R216883	1.50	<0.005
		Pyrite 0.5%	288.00	289.50	R216884	1.50	0.021
		0.5% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.	289.50	291.00	R216885	1.50	0.024
			291.00	292.50	R216886	1.50	0.061
			292.50	294.00	R216887	1.50	<0.005
			294.00	295.50	R216888	1.50	<0.005
			295.50	297.00	R216889	1.50	<0.005
			297.00	298.50	R216890	1.50	0.007
			298.50	300.00	R216891	1.50	0.006
			300.00	301.50	R216892	1.50	<0.005
			301.50	303.00	R216893	1.50	<0.005
			303.00	304.50	R216894	1.50	<0.005
			304.50	306.00	R216895	1.50	<0.005
305.85	309.00	Py02					
		Pyrite 2%					
		1-2% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.					
305.85	309.00	Vn;5%;Qac;Ra;;Py02;	306.00	307.50	R216896	1.50	0.008
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 2%					
		Ankerite/chlorite/qtz veining with a moderate to strong pinkish red potassic alteration. Surrounding host rock has up to 2% py.					
307.00	335.50	Ca02; Cl02; K01; Se01	307.50	309.00	R216897	1.50	0.009
		Calcite 2; Chlorite 2; Potassic 1; Sericite 1	309.00	310.50	R216898	1.50	<0.005
		Weak to moderate pervasive calcitic alteration, moderate to strong fracture-controlled chloritic alteration, weak to locally strong vein-controlled potassic alteration, weak patchy wisps of sericite.	310.50	312.00	R216899	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			312.00	313.50	R216902	1.50	0.005
			313.50	315.00	R216903	1.50	<0.005
			315.00	316.50	R216904	1.50	<0.005
			316.50	318.00	R216905	1.50	0.012
316.60	327.50	Vn;5%;Qac;Ra;;Py00.5; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 0.5%** Ankerite/chlorite/qtz veining with a moderate to strong pinkish red potassic alteration and a creamy light green carbonate alteration. Surrounding host rock has up to 2% py.					
316.65	320.05	Py02 **Pyrite 2%** 1-2% finely disseminated and medium to coarse euhedral py in narrow qtz/py veinlets.	318.00	319.50	R216906	1.50	0.009
			319.50	321.00	R216907	1.50	<0.005
			321.00	322.50	R216908	1.50	0.005
			322.50	324.00	R216909	1.50	<0.005
			324.00	325.50	R216910	1.50	<0.005
			325.50	327.00	R216911	1.50	<0.005
			327.00	328.50	R216912	1.50	0.005
			328.50	330.00	R216913	1.50	<0.005
			330.00	331.50	R216914	1.50	<0.005
			331.50	333.00	R216915	1.50	<0.005
			333.00	334.50	R216916	1.50	<0.005
			334.50	336.00	R216917	1.50	<0.005
			336.00	337.50	R216918	1.50	<0.005
			337.50	339.00	R216919	1.50	<0.005
338.75	350.87	Py01 **Pyrite 1%** Short intervals 10-40cm wide of medium to coarse euhedral py in narrow qtz/py veinlets and stringers with a pinkish tinge and a biege (carbonate?) alteration halo.	339.00	340.50	R216920	1.50	<0.005
			340.50	342.00	R216921	1.50	0.006
			342.00	343.50	R216922	1.50	0.006
			343.50	345.00	R216923	1.50	0.008
343.70	343.80	Vm;90%;Qac;;50°;Py01; **major vein (10 cm or greater) 90% quartz-ankerite-chlorite 50°** Pinkish-red, white and black qtz/chlorite/k-spar with minor ankerite and calcite vein at 50 dtca with 1% py.	345.00	346.50	R216924	1.50	<0.005
			346.50	348.00	R216927	1.50	<0.005
			348.00	349.50	R216928	1.50	0.005
			349.50	351.00	R216929	1.50	0.009
			351.00	352.50	R216930	1.50	<0.005
			352.50	354.00	R216931	1.50	<0.005
352.80	370.40	Vn;10%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 10% quartz-ankerite-chlorite random Pyrite 0.1%** Pinkish-red, white and black qtz/chlorite/k-spar with minor ankerite and calcite veining with trace py.	354.00	355.50	R216932	1.50	<0.005
			355.50	357.00	R216933	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			357.00	358.50	R216934	1.50	<0.005
			358.50	360.00	R216935	1.50	<0.005
			360.00	361.50	R216936	1.50	0.005
			361.50	363.00	R216937	1.50	0.006
			363.00	364.50	R216938	1.50	<0.005
			364.50	366.00	R216939	1.50	<0.005
			366.00	367.50	R216940	1.50	<0.005
			367.50	369.00	R216941	1.50	0.005
			369.00	370.50	R216942	1.50	0.005
			370.50	372.00	R216943	1.50	<0.005
			372.00	373.50	R216944	1.50	0.006
			373.50	375.00	R216945	1.50	<0.005
			375.00	376.50	R216946	1.50	<0.005
			376.50	378.00	R216947	1.50	<0.005
			378.00	379.50	R216948	1.50	<0.005
			379.50	381.00	R216949	1.50	0.005
			381.00	382.50	R216952	1.50	<0.005
			382.50	384.00	R216953	1.50	0.009
			384.00	385.50	R216954	1.50	0.007
			385.50	387.00	R216955	1.50	0.005
			387.00	388.50	R216956	1.50	0.006
388.00	390.00	Py01 **Pyrite 1%** Medium to coarse euhedral py in narrow qtz/py veinlets and stringers with a pinkish tinge and a biege/light green (carbonate?) alteration halo.	388.50	390.00	R216957	1.50	0.007
			390.00	391.50	R216958	1.50	<0.005
			391.50	393.00	R216959	1.50	<0.005
			393.00	394.50	R216960	1.50	<0.005
			394.50	396.00	R216961	1.50	<0.005
			396.00	397.50	R216962	1.50	<0.005
			397.50	399.00	R216963	1.50	<0.005
			399.00	400.50	R216964	1.50	0.005
			400.50	402.00	R216965	1.50	0.007
388.00	388.40	Vm;60%;Qac;;50°;Py01; **major vein (10 cm or greater) 60% quartz-ankerite-chlorite 50° Pyrite 1%** Pinkish-red, white and black qtz/chlorite/k-spar with minor ankerite and calcite veining around light green/grey carbonate (dolomite?) with weak potassic alteration along microfractures. 1% py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
401.00	408.50	Py01 **Pyrite 1%** Short intervals 10-20cm wide of medium to coarse euhedral py in narrow qtz/py veinlets and stringers with a pinkish tinge and a biege (carbonate?) alteration halo.	402.00	403.50	R216966	1.50	0.008
			403.50	405.00	R216967	1.50	0.01
			405.00	406.50	R216968	1.50	<0.005
			406.50	408.00	R216969	1.50	0.008
			408.00	409.50	R216970	1.50	<0.005
408.50	462.00	Vn;3%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%** Pinkish-red, white and black qtz/chlorite/k-spar with minor ankerite and calcite veining with trace py.	409.50	411.00	R216971	1.50	<0.005
			411.00	412.50	R216972	1.50	0.006
			412.50	414.00	R216973	1.50	<0.005
			414.00	415.50	R216974	1.50	0.006
			415.50	417.00	R216977	1.50	<0.005
			417.00	418.50	R216978	1.50	<0.005
			418.50	420.00	R216979	1.50	<0.005
			420.00	421.50	R216980	1.50	<0.005
			421.50	423.00	R216981	1.50	<0.005
			423.00	424.50	R216982	1.50	<0.005
			424.50	426.00	R216983	1.50	0.015
			426.00	427.50	R216984	1.50	0.005
			427.50	429.00	R216985	1.50	<0.005
			429.00	430.50	R216986	1.50	0.01
			430.50	432.00	R216987	1.50	0.005
			432.00	433.50	R216988	1.50	<0.005
			433.50	435.00	R216989	1.50	<0.005
			435.00	436.50	R216990	1.50	<0.005
			436.50	438.00	R216991	1.50	<0.005
			438.00	439.50	R216992	1.50	<0.005
			439.50	441.00	R216993	1.50	<0.005
			441.00	442.50	R216994	1.50	0.01
			442.50	444.00	R216995	1.50	0.009
			444.00	445.50	R216996	1.50	0.005
			445.50	447.00	R216997	1.50	0.016
			447.00	448.50	R216998	1.50	0.024
			448.50	450.00	R216999	1.50	0.018
			450.00	451.50	R221002	1.50	0.005
			451.50	453.00	R221003	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	453.00	454.50	R221004	1.50	<0.005
	454.50	456.00	R221005	1.50	<0.005
	456.00	457.50	R221006	1.50	0.008
	457.50	459.00	R221007	1.50	<0.005
	459.00	460.50	R221008	1.50	<0.005
	460.50	462.00	R221009	1.50	<0.005
462.00	**End of DDH**				
	Number of samples: 260				
	Number of QAQC samples: 22				
	Total sampled length: 388.90				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_94

Drilled by:	Major	Claims title:	L9690	Section:	
Described by:	Reza Hosseinnejad, relog by AJR	Township:	LEBEL	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	12/05/2014	Description date:	21/05/2014
		To:	16/05/2014		

Collar

Azimuth: 0.0°
Dip: -55.0°
Length: 432.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,076.343
North	0.0	0.000	5,332,058.999
Elevation	0.0	0.000	346.433

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-55.0°	No	
ReflexEZS	45.00	357.2°	-55.9°	No	Mag = 56815
ReflexEZS	105.00	358.3°	-56.4°	No	Mag = 56415
ReflexEZS	165.00	355.7°	-56.9°	No	Mag = 56387
ReflexEZS	231.00	5.5°	-55.9°	No	Mag = 56277
ReflexEZS	291.00	5.3°	-55.9°	No	Mag = 55721
ReflexEZS	351.00	9.3°	-55.7°	No	Mag = 56184
ReflexEZS	411.00	17.2°	-55.6°	No	Mag = 56238

Description

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	36.00	OVB						
		Overburden						
		overburden/casing						
36.00	148.80	V4		36.00	37.50	R222090	1.50	0.24
		Trachyte		37.50	39.00	R222091	1.50	0.082
		Red to pink, aphanitic trachyte. Core is intensely oxidized and fractured making identification of a protolith		39.00	40.50	R222092	1.50	0.205
		difficult. Where the core is intact the trachyte appears aphanitic, crosscut by numerous ankerite +/- quartz		40.50	42.00	R222093	1.50	0.075
		veinlets (up to 30%modal and up to 1-2cm wide) and weakly potassic. Crosscutting chlorite stringers observed						
		in upper (36-60m) portion of unit where the oxidation and brecciation is not intense.		42.00	43.50	R222094	1.50	0.132
36.00	60.00	K01; Ank01						
		Potassic 1; Ankerite 1						
		weak, pervasive						
42.20	42.50	Vm;70%;Qak;;;;		43.50	45.00	R222095	1.50	0.027
		major vein (10 cm or greater) 70% quartz-ankerite		45.00	46.50	R222096	1.50	0.036
		vein		46.50	48.00	R222097	1.50	0.027
				48.00	49.50	R222098	1.50	0.01
				49.50	51.00	R222099	1.50	0.019
				51.00	52.50	R222102	1.50	0.015
				52.50	54.00	R222103	1.50	0.04
				54.00	55.50	R222104	1.50	0.112
				55.50	57.00	R222105	1.50	0.07
				57.00	58.50	R222106	1.50	0.016
				58.50	60.00	R222107	1.50	0.065
60.00	148.80	Ox03		60.00	61.50	R222108	1.50	0.157
		Oxidation 3		61.50	63.00	R222109	1.50	0.182
		intense		63.00	64.50	R222110	1.50	0.202
				64.50	66.00	R222111	1.50	0.133
				66.00	67.50	R222112	1.50	0.243
				67.50	69.00	R222113	1.50	0.275
				69.00	70.50	R222114	1.50	0.166
				70.50	72.00	R222115	1.50	0.053
				72.00	73.50	R222116	1.50	0.397
				73.50	75.00	R222117	1.50	0.505
				75.00	76.50	R222118	1.50	0.122
				76.50	78.00	R222119	1.50	0.312
				78.00	79.50	R222120	1.50	0.304

Description	Assay				
	From	To	Sample number	Length	AuBest
	79.50	81.00	R222121	1.50	0.15
	81.00	82.50	R222122	1.50	0.205
	82.50	84.00	R222123	1.50	0.246
	84.00	85.50	R222124	1.50	0.226
	85.50	87.00	R222127	1.50	0.156
	87.00	88.50	R222128	1.50	0.114
	88.50	90.00	R222129	1.50	0.193
	90.00	91.50	R222130	1.50	0.205
	91.50	93.00	R222131	1.50	0.214
	93.00	94.50	R222132	1.50	0.137
	94.50	96.00	R222133	1.50	0.245
	96.00	97.50	R222134	1.50	0.532
	97.50	99.00	R222135	1.50	0.123
	99.00	100.50	R222136	1.50	0.207
	100.50	102.00	R222137	1.50	0.193
	102.00	103.50	R222138	1.50	0.274
	103.50	105.00	R222139	1.50	0.148
	105.00	106.50	R222140	1.50	0.242
	106.50	108.00	R222141	1.50	0.089
	108.00	109.50	R222142	1.50	0.12
	109.50	111.00	R222143	1.50	0.163
	111.00	112.50	R222144	1.50	0.277
	112.50	114.00	R222145	1.50	0.206
	114.00	115.50	R222146	1.50	0.193
	115.50	117.00	R222147	1.50	0.242
	117.00	120.00	R222148	3.00	0.243
	120.00	121.50	R222149	1.50	0.245
	121.50	123.00	R222152	1.50	0.102
	123.00	124.50	R222153	1.50	0.076
	124.50	126.00	R222154	1.50	0.043
	126.00	129.00	R222155	3.00	0.099
	129.00	130.50	R222156	1.50	0.033
	130.50	132.00	R222157	1.50	0.056
	132.00	133.50	R222158	1.50	0.04

Description			Assay				
			From	To	Sample number	Length	AuBest
132.90	134.70	Vm;67%;Qtz;;;;	133.50	135.00	R222159	1.50	0.062
		major vein (10 cm or greater) 67% white quartz	135.00	138.00	R222160	3.00	0.192
		brecciated quartz-feldspar vein in trachyte.					
135.90	138.65	Gg	138.00	139.50	R222161	1.50	0.1
		Fault gouge	139.50	141.00	R222162	1.50	0.134
		Lighty grey, clay-like fault gouge. No movement direction measurable.	141.00	142.50	R222163	1.50	0.338
			142.50	144.00	R222164	1.50	0.202
			144.00	145.50	R222165	1.50	0.12
			145.50	147.00	R222166	1.50	0.063
			147.00	148.50	R222167	1.50	1.97
			148.50	150.00	R222168	1.50	0.421
148.80	173.40	V4; Per	150.00	151.50	R222169	1.50	0.103
		Trachyte; PERLITIC	151.50	153.00	R222170	1.50	0.027
		Red, aphanitic, potassic altered perlitic trachyte. Unit is fractured and brecciated with fragments generally as	153.00	154.50	R222171	1.50	0.155
		cm-scale angular with chloritic matrix - clasts 70-80%. Few crosscutting quartz-feldspar veinlets. Unit is	154.50	156.00	R222172	1.50	0.124
		weakly ankeritized.	156.00	157.50	R222173	1.50	0.085
			157.50	159.00	R222174	1.50	0.041
			159.00	160.50	R222177	1.50	0.034
			160.50	162.00	R222178	1.50	0.121
			162.00	163.50	R222179	1.50	0.256
			163.50	165.00	R222180	1.50	0.071
			165.00	168.00	R222181	3.00	0.423
148.80	172.00	Ank01					
		Ankerite 1					
		pervasive					
165.50	167.10	FAZ	168.00	169.50	R222182	1.50	0.05
		Fault Zone	169.50	171.00	R222183	1.50	0.083
		Cataclastite with ~5% gouge. LIght coloured. Core angle unmeasurable due to rubbly nature of core.	171.00	172.50	R222184	1.50	0.034
172.00	194.35	Ank01; Cl01	172.50	174.00	R222185	1.50	0.015
		Ankerite 1; Chlorite 1					
		pervasive ankerite, chloritic matrix					
173.40	194.35	V4; Vol	174.00	175.50	R222186	1.50	0.03
		Trachyte; VOLCANICLASTIC	175.50	177.00	R222187	1.50	0.14
		Red, potassic, aphanitic, subangular clasts ranging from few mm to 5cm trachyte clasts in a dark green,	177.00	178.50	R222188	1.50	0.119
		aphanitic matrix. 80-20 clasts to matrix. Unit is volcanoclastic. Upper and lower contacts are sharp, upper is	178.50	180.00	R222189	1.50	0.031
		irregular and lower is nearly 90TCA. Unit is pervasively weakly ankeritized with the matrix weakly chloritic.					

Description			Assay				
			From	To	Sample number	Length	AuBest
			180.00	181.50	R222190	1.50	0.122
			181.50	183.00	R222191	1.50	0.023
			183.00	184.50	R222192	1.50	0.019
			184.50	186.00	R222193	1.50	0.081
			186.00	187.50	R222194	1.50	0.106
			187.50	189.00	R222195	1.50	0.061
			189.00	190.50	R222196	1.50	0.031
			190.50	192.00	R222197	1.50	0.117
			192.00	193.50	R222198	1.50	0.041
			193.50	195.00	R222199	1.50	0.065
194.35	220.90	V4; Per	195.00	196.50	R222202	1.50	0.131
		Trachyte; PERLITIC	196.50	198.00	R222203	1.50	0.057
		Red, aphanitic, pervasively ankerite and potassic altered perlitic trachyte unit. Crosscutting hairline feldspar	198.00	199.50	R222204	1.50	0.025
		veinlets (~1%) with rare chalcopyrite blebs. Sharp upper and lower contacts, 90 and 65TCA respectively. Few	199.50	201.00	R222205	1.50	0.042
		chloritic hairline stringers as well, <<1%.	201.00	202.50	R222206	1.50	0.069
			202.50	204.00	R222207	1.50	0.077
			204.00	205.50	R222208	1.50	0.156
			205.50	207.00	R222209	1.50	0.045
			207.00	208.50	R222210	1.50	0.197
			208.50	210.00	R222211	1.50	0.016
			210.00	211.50	R222212	1.50	0.044
			211.50	213.00	R222213	1.50	0.06
			213.00	214.50	R222214	1.50	0.067
			214.50	216.00	R222215	1.50	0.024
			216.00	217.50	R222216	1.50	0.052
			217.50	219.00	R222217	1.50	0.027
			219.00	220.50	R222218	1.50	0.027
			220.50	222.00	R222219	1.50	0.041
194.35	205.25	K01; Ank01					
		Potassic 1; Ankerite 1					
		pervasive					
220.90	252.60	V4	222.00	223.50	R222220	1.50	0.036
		Trachyte	223.50	225.00	R222221	1.50	0.046
		Red, potassic, aphanitic, subangular clasts ranging from few mm to 5cm trachyte clasts in a dark green,	225.00	226.50	R222222	1.50	0.022
		aphanitic matrix. 80-20 clasts to matrix. Unit is volcanoclastic. Upper and lower contacts are sharp, upper is					

Description			Assay				
			From	To	Sample number	Length	AuBest
		irregular and lower is nearly 90TCA. Unit is pervasively weakly ankeritized with the matrix weakly chloritic.	226.50	228.00	R222223	1.50	0.04
			228.00	229.50	R222224	1.50	0.029
			229.50	231.00	R222227	1.50	0.052
			231.00	232.50	R222228	1.50	0.052
			232.50	234.00	R222229	1.50	0.039
			234.00	235.50	R222230	1.50	0.048
			235.50	237.00	R222231	1.50	0.013
220.90	235.85	Ank01; Cl01					
		Ankerite 1; Chlorite 1					
		pervasive ankerite, chloritic matrix					
235.85	248.30	K01; Ank01	237.00	238.50	R222232	1.50	0.032
		Potassic 1; Ankerite 1	238.50	240.00	R222233	1.50	0.041
		pervasive	240.00	241.50	R222234	1.50	0.035
			241.50	243.00	R222235	1.50	0.013
			243.00	244.50	R222236	1.50	0.018
			244.50	246.00	R222237	1.50	0.016
			246.00	247.50	R222238	1.50	0.018
			247.50	249.00	R222239	1.50	0.108
248.30	261.40	Ank01; K01	249.00	250.50	R222240	1.50	0.124
		Ankerite 1; Potassic 1	250.50	252.00	R222241	1.50	0.073
		weak pervasive ankerite, weak patchy potassic	252.00	253.50	R222242	1.50	0.133
252.60	274.75	V4; Vol	253.50	255.00	R222243	1.50	0.32
		Trachyte; VOLCANICLASTIC	255.00	256.50	R222244	1.50	0.371
		Red and green, aphanitic, fragmental volcanoclastic trachyte unit. Unit is ~50-70% angular to subrounded	256.50	258.00	R222245	1.50	0.176
		fragments, small (<1cm) to rarer large (~10-15cm) fragments. Matrix is a dark, aphanitic, chloritic material.	258.00	259.50	R222246	1.50	0.169
		Fragments are irregularly shaped with the reddish trachytic fragments being perlitic. Upper and lower contacts	259.50	261.00	R222247	1.50	0.089
		are distinct but transitional. Unit is pervasively ankeritized and weakly magnetic.	261.00	262.50	R222248	1.50	0.32
261.40	331.20	Ank01	262.50	264.00	R222249	1.50	0.054
		Ankerite 1	264.00	265.50	R222252	1.50	0.02
		pervasive	265.50	267.00	R222253	1.50	0.041
			267.00	268.50	R222254	1.50	0.084
			268.50	270.00	R222255	1.50	0.023
			270.00	271.50	R222256	1.50	0.013
			271.50	273.00	R222257	1.50	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
			273.00	274.50	R222258	1.50	0.013
			274.50	276.00	R222259	1.50	0.006
274.75	313.64	V4; FlBand	276.00	277.50	R222260	1.50	0.009
		Trachyte; FLOWBANDED					
		Light grey to pink, blotchy, aphanitic ankeritic flowbanded trachyte. Pervasive weak ankeritization, local patchy isolated potassic alteration. Unit is crosscut by <1% fine, hairline veinlets of ankerite. Sharp lower contact, 75TCA.					
277.20	278.00	Vn;30%;Ak;;;;	277.50	279.00	R222261	1.50	0.02
		vein (5 mm - 10 cm) 30% ankerite	279.00	280.50	R222262	1.50	0.014
		Ankerite vein zone, individual veins are no wider than 1-2cm but total approximately 30% of the rock volume.	280.50	282.00	R222263	1.50	0.034
			282.00	283.50	R222264	1.50	0.005
			283.50	285.00	R222265	1.50	0.008
			285.00	286.50	R222266	1.50	0.099
			286.50	288.00	R222267	1.50	0.132
			288.00	289.50	R222268	1.50	0.344
			289.50	291.00	R222269	1.50	0.064
			291.00	292.50	R222270	1.50	0.064
			292.50	294.00	R222271	1.50	0.441
			294.00	295.50	R222272	1.50	0.278
			295.50	297.00	R222273	1.50	0.081
			297.00	298.50	R222274	1.50	0.128
			298.50	300.00	R222277	1.50	2.23
			300.00	301.50	R222278	1.50	0.333
			301.50	303.00	R222279	1.50	0.179
			303.00	304.50	R222280	1.50	0.249
			304.50	306.00	R222281	1.50	0.105
			306.00	307.50	R222282	1.50	0.167
			307.50	309.00	R222283	1.50	0.27
			309.00	310.50	R222284	1.50	0.681
			310.50	312.00	R222285	1.50	1.135
			312.00	313.50	R222286	1.50	0.832
			313.50	315.00	R222287	1.50	0.096
313.64	359.70	S1	315.00	316.50	R222288	1.50	0.06
		Conglomerate	316.50	318.00	R222289	1.50	0.028
		Green, polymictic unsorted conglomerate with rounded to subrounded clasts with sizes ranging from mm scale to1-5cm. Clasts are mostly aphanitic and yellowish green to green with a small population (<1%), random	318.00	319.50	R222290	1.50	0.049

Description			Assay				
			From	To	Sample number	Length	AuBest
		vibrant red, subangular small clasts (~1-5mm in size) and rare vibrant aphanitic green elongated small (1-2mm) clasts (<1%). Lower contact is transitional.	319.50	321.00	R222291	1.50	0.036
			321.00	322.50	R222292	1.50	0.08
			322.50	324.00	R222293	1.50	0.029
			324.00	325.50	R222294	1.50	0.031
			325.50	327.00	R222295	1.50	0.063
			327.00	328.50	R222296	1.50	0.047
			328.50	330.00	R222297	1.50	0.063
			330.00	331.50	R222298	1.50	0.072
			331.50	333.00	R222299	1.50	0.095
			333.00	334.50	R222302	1.50	0.06
			334.50	336.00	R222303	1.50	0.052
			336.00	337.50	R222304	1.50	0.045
			337.50	339.00	R222305	1.50	0.053
			339.00	340.50	R222306	1.50	0.043
			340.50	342.00	R222307	1.50	0.04
			342.00	343.50	R222308	1.50	0.059
			343.50	345.00	R222309	1.50	0.056
			345.00	346.50	R222310	1.50	0.06
			346.50	348.00	R222311	1.50	0.036
			348.00	349.50	R222312	1.50	0.062
			349.50	351.00	R222313	1.50	0.058
			351.00	352.50	R222314	1.50	0.052
			352.50	354.00	R222315	1.50	0.047
			354.00	355.50	R222316	1.50	0.031
			355.50	357.00	R222317	1.50	0.047
			357.00	358.50	R222318	1.50	0.125
			358.50	360.00	R222319	1.50	0.03
359.70	377.70	SS	360.00	361.50	R222320	1.50	0.02
		Sandstone	361.50	363.00	R222321	1.50	0.016
		Green, medium to fine grained laminated sandstone with rare (<1%) small greenish clasts. Unit appears to be composed of several repeating graded beds. Lower contact is transitional. Unit is crosscut by few (<1%) hairline ankerite veinlets and trace sericite is obserbable along bedding planes.	363.00	364.50	R222322	1.50	0.016
			364.50	366.00	R222323	1.50	0.02
			366.00	367.50	R222324	1.50	0.022
			367.50	369.00	R222327	1.50	0.025
			369.00	370.50	R222328	1.50	0.037

Description			Assay				
			From	To	Sample number	Length	AuBest
			370.50	372.00	R222329	1.50	0.038
			372.00	373.50	R222330	1.50	0.006
			373.50	375.00	R222331	1.50	0.008
			375.00	376.50	R222332	1.50	0.005
			376.50	378.00	R222333	1.50	0.007
377.70	432.00	V4; Vol	378.00	379.50	R222334	1.50	0.007
		Trachyte; VOLCANICLASTIC	379.50	381.00	R222335	1.50	0.006
		Greyish green volcanoclastic trachyte unit with subangular to subrounded clasts ranging in colours from light	381.00	382.50	R222336	1.50	0.024
		green to greyish white and sizes from 1-2mm up to 1-2cm with clast to matrix ratio 75-25. Matrix is a darker,	382.50	384.00	R222337	1.50	0.009
		aphanitic green.	384.00	385.50	R222338	1.50	0.009
			385.50	387.00	R222339	1.50	0.013
			387.00	388.50	R222340	1.50	0.011
			388.50	390.00	R222341	1.50	0.009
			390.00	391.50	R222342	1.50	0.006
			391.50	393.00	R222343	1.50	<0.005
			393.00	394.50	R222344	1.50	0.008
			394.50	396.00	R222345	1.50	0.006
			396.00	397.50	R222346	1.50	0.005
			397.50	399.00	R222347	1.50	0.005
			399.00	400.50	R222348	1.50	0.005
			400.50	402.00	R222349	1.50	<0.005
			402.00	403.50	R222352	1.50	0.005
			403.50	405.00	R222353	1.50	0.008
377.70	403.70	Ank01					
		Ankerite 1					
		weak pervasive					
403.70	405.37	Se02	405.00	406.50	R222354	1.50	0.008
		Sericite 2					
		moderate sericite					
405.37	432.00	Ank01	406.50	408.00	R222355	1.50	0.017
		Ankerite 1	408.00	409.50	R222356	1.50	0.009
		pervasive	409.50	411.00	R222357	1.50	0.008
			411.00	412.50	R222358	1.50	0.011
			412.50	414.00	R222359	1.50	0.009
			414.00	415.50	R222360	1.50	0.015

Description	Assay				
	From	To	Sample number	Length	AuBest
	415.50	417.00	R222361	1.50	0.016
	417.00	418.50	R222362	1.50	0.016
	418.50	420.00	R222363	1.50	0.018
	420.00	421.50	R222364	1.50	0.029
	421.50	423.00	R222365	1.50	<0.005
	423.00	424.50	R222366	1.50	<0.005
	424.50	426.00	R222367	1.50	<0.005
	426.00	427.50	R222368	1.50	0.005
	427.50	429.00	R222369	1.50	<0.005
	429.00	430.50	R222370	1.50	<0.005
	430.50	432.00	R222371	1.50	<0.005
432.00	**End of DDH**				
	Number of samples: 260				
	Number of QAQC samples: 22				
	Total sampled length: 396.00				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_95

Drilled by:	Major	Claims title:	L9527	Section:	
Described by:	Mike Laliberty	Township:	GAUTHIER	Level:	
		Range:		Work place:	Dobie
		Lot:			
		From:	17/05/2014	Description date:	19/05/2014
		To:	23/05/2014		

Collar

Azimuth: 345.0°
Dip: -50.0°
Length: 666.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	584,916.891
North	0.0	0.000	5,331,988.636
Elevation	0.0	0.000	349.118

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	345.0°	-50.0°	No	
ReflexEZS	102.00	344.8°	-51.5°	No	Mag = 54085
ReflexEZS	162.00	346.0°	-49.6°	No	Mag = 54261
ReflexEZS	222.00	348.3°	-47.1°	No	Mag = 55072
ReflexEZS	282.00	349.1°	-44.7°	No	Mag = 54915
ReflexEZS	342.00	350.6°	-43.1°	No	Mag = 55497
ReflexEZS	414.00	354.6°	-39.9°	No	Mag = 55184
ReflexEZS	480.00	355.6°	-38.3°	No	Mag = 55009
ReflexEZS	540.00	357.8°	-36.4°	No	Mag = 54971
ReflexEZS	600.00	358.1°	-33.9°	No	Mag = 54826
ReflexEZS	660.00	359.9°	-31.1°	No	Mag = 54772

Description

Re-logged by Mike Laliberty July 2014

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	93.20	OVB **Overburden** 93m of casing.					
93.20	113.78	V4; Fol **Trachyte; Foliated** Dark grey/green fine grained weakly foliated (45-80 dtca) trachytic flows with occasional tuffaceous intervals. Non ankeritic. Weak to moderate chloritic alteration. Weakly to moderately calcitic with a weak patchy potassic alteration. Broken blocky core to 94m. Fault gouge/breccia from 96.10-96.26m at 15/25 dtca. 1-2% calcite +/- minor qtz and/or k-spar veining. Moderately to strongly magnetic. Generally trace sulphides.					
93.20	251.60	Cl02; Ca02; K01 **Chlorite 2; Calcite 2; Potassic 1** Weak to moderate chloritic alteration. Weakly to moderately calcitic with a weak patchy potassic alteration.	93.20	94.50	R220170	1.30	<0.005
			94.50	96.00	R220171	1.50	<0.005
			96.00	97.50	R220172	1.50	0.006
			97.50	99.00	R220173	1.50	0.006
			99.00	100.50	R220174	1.50	0.119
			100.50	102.00	R220177	1.50	0.005
			102.00	103.50	R220178	1.50	0.006
			103.50	105.00	R220179	1.50	<0.005
			105.00	106.50	R220180	1.50	<0.005
			106.50	108.00	R220181	1.50	0.008
			108.00	109.50	R220182	1.50	<0.005
			109.50	111.00	R220183	1.50	<0.005
			111.00	112.50	R220184	1.50	0.005
			112.50	113.78	R220185	1.28	0.005
93.20	113.78	Fln **Foliation 65°** Weakly foliated at 45-80 dtca.					
113.78	115.16	FP; PorFG **Feldspar Porphyry 50°; PORPHYRITIC (FINE GROUNDMASS)** Black feldspar porphyry intrusive dyke with sharp contacts at 50/40 dtca. Fine grained groundmass with euhedral to subhedral feldspar phenocrysts up to 7mm long. Weak to moderate chloritic alteration. Weakly to moderately calcitic with a weak patchy potassic alteration. Moderately to strongly magnetic. 1-2% calcite veining. 1-2% finely disseminated py.					
113.78	115.16	Py02 **Pyrite 2%** 2% finely disseminated py.	113.78	115.16	R220186	1.38	<0.005
115.16	133.33	V4; Tuff **Trachyte 40°; TUFF** Black fine to medium grained weakly foliated (60-80 dtca) tuff with medium to strong calcitic alteration.					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Occasional intervals of flow banded trachyte. Weak to moderate chloritic alteration. Non ankeritic. Weak patchy potassic alteration. Moderately to strongly magnetic. 1% calcite veining. Generally trace py but locally up to 2% associated with potassic alteration.					
115.16	133.33	Fln	115.16	116.00	R220187	0.84	0.007
		Foliation 70°	116.00	117.00	R220188	1.00	<0.005
		Weakly foliated at 60-80 dtca.	117.00	118.50	R220189	1.50	<0.005
			118.50	120.00	R220190	1.50	0.007
			120.00	121.50	R220191	1.50	<0.005
			121.50	123.00	R220192	1.50	0.016
122.10	123.40	Py02	123.00	124.50	R220193	1.50	0.005
		Pyrite 2%	124.50	126.00	R220194	1.50	0.013
		2% finely disseminated py.	126.00	127.50	R220195	1.50	0.026
			127.50	129.00	R220196	1.50	0.028
			129.00	130.50	R220197	1.50	<0.005
			130.50	132.00	R220198	1.50	0.027
			132.00	133.33	R220199	1.33	0.005
133.33	135.35	MI; PorFG					
		Mafic Intrusion 45°; PORPHYRITIC (FINE GROUNDMASS)					
		Similar to 113.78-115.16m with sharp contacts at 45/50 dtca and only trace to 1% py.					
133.33	135.35	Py01	133.33	134.35	R220202	1.02	<0.005
		Pyrite 1%	134.35	135.35	R220203	1.00	0.008
		1% finely disseminated py.					
135.35	151.14	V4; Fol					
		Trachyte 50°; Foliated					
		Dark grey/black fine grained weakly foliated (45-80 dtca) trachyte flows Weakly to moderately chloritic and calcitic. Weak patchy potassic alteration. Non ankeritic. Moderately to strongly magnetic. 1% calcite +/- minor qtz and/or k-spar. 149.3-149.4m 10cm wide albite/chlorite vein at 45 dtca with up to 1% cpy. Generally trace py.					
135.35	163.35	Fln	135.35	136.50	R220204	1.15	0.006
		Foliation 65°	136.50	138.00	R220205	1.50	0.005
		Weakly foliated at 45-85 dtca.	138.00	139.50	R220206	1.50	<0.005
			139.50	141.00	R220207	1.50	0.005
			141.00	142.50	R220208	1.50	0.006
			142.50	144.00	R220209	1.50	<0.005
			144.00	145.50	R220210	1.50	<0.005
			145.50	147.00	R220211	1.50	<0.005

Description				Assay				
				From	To	Sample number	Length	AuBest
				147.00	148.50	R220212	1.50	0.007
				148.50	150.00	R220213	1.50	0.006
149.30	149.40		Vn;40%;Qcc;;;Cp01 Py00.1;	150.00	151.50	R220214	1.50	0.009
			vein (5 mm - 10 cm) 40% quartz-calcite-chlorite Chalcopyrite 1% Pyrite 0.1%					
			Creamy calcite/chlorite vein with minor qtz. 1% cpy and trace py.					
151.14	163.35		V4; Tuff	151.50	153.00	R220215	1.50	<0.005
			Trachyte; TUFF	153.00	154.50	R220216	1.50	0.036
			Dark grey/black fine to medium grained weakly foliated (55-85 dtca) tuff similar to 115.16 to 133.33.	154.50	156.00	R220217	1.50	0.005
				156.00	157.50	R220218	1.50	<0.005
				157.50	159.00	R220219	1.50	<0.005
				159.00	160.50	R220220	1.50	<0.005
				160.50	162.00	R220221	1.50	0.008
				162.00	163.50	R220222	1.50	0.009
163.35	192.57		V4; Fol	163.50	165.00	R220223	1.50	0.025
			Trachyte 65°; Foliated					
			Dark grey/black fine grained trachyte flows similar to 135.35-151.14m.					
163.35	164.07		Bxh					
			Breccia healed					
			Volcaniclastic breccia marking contact between tuff and trachyte flow.					
164.07	242.00		Fln					
			Foliation 70°					
			Weak to locally moderate foliation at 60-80 dtca.					
164.20	229.00		Vn;3%;Qcc;Ra;;Py00.1;	165.00	166.50	R220224	1.50	0.01
			vein (5 mm - 10 cm) 3% quartz-calcite-chlorite random Pyrite 0.1%	166.50	168.00	R220227	1.50	0.007
			Calcite/chlorite +/- qtz veining with trace py.	168.00	169.50	R220228	1.50	0.018
				169.50	171.00	R220229	1.50	0.014
				171.00	172.50	R220230	1.50	0.049
				172.50	174.00	R220231	1.50	0.014
				174.00	175.50	R220232	1.50	0.022
				175.50	177.00	R220233	1.50	0.02
				177.00	178.50	R220234	1.50	0.022
				178.50	180.00	R220235	1.50	0.021
				180.00	181.50	R220236	1.50	0.04
				181.50	183.00	R220237	1.50	0.033
				183.00	184.50	R220238	1.50	0.062
				184.50	186.00	R220239	1.50	0.019

Description			Assay				
			From	To	Sample number	Length	AuBest
			186.00	187.50	R220240	1.50	0.019
			187.50	189.00	R220241	1.50	0.02
			189.00	190.50	R220242	1.50	0.015
			190.50	192.00	R220243	1.50	0.008
			192.00	193.50	R220244	1.50	<0.005
192.57	196.50	V4; Tuff	193.50	195.00	R220245	1.50	<0.005
		Trachyte 80°; TUFF	195.00	196.50	R220246	1.50	<0.005
		Dark grey/black fine to medium grained tuff similar to 115.16 to 133.33.					
196.50	199.93	V4; Fol	196.50	198.00	R220247	1.50	0.006
		Trachyte 60°; Foliated	198.00	199.50	R220248	1.50	0.012
		Dark grey/black fine grained trachyte flows similar to 135.35-151.14m.	199.50	201.00	R220249	1.50	0.025
199.93	212.86	V4; Tuff	201.00	202.50	R220252	1.50	0.017
		Trachyte 55°; TUFF	202.50	204.00	R220253	1.50	0.007
		Dark grey/black fine to medium grained tuff similar to 115.16 to 133.33.	204.00	205.50	R220254	1.50	0.007
			205.50	207.00	R220255	1.50	<0.005
			207.00	208.50	R220256	1.50	<0.005
			208.50	210.00	R220257	1.50	0.018
			210.00	211.50	R220258	1.50	0.015
			211.50	213.00	R220259	1.50	0.005
212.86	226.08	V4; Fol	213.00	214.50	R220260	1.50	0.005
		Trachyte 80°; Foliated	214.50	216.00	R220261	1.50	0.014
		Dark grey/black fine grained trachyte flows similar to 135.35-151.14m.	216.00	217.50	R220262	1.50	<0.005
			217.50	219.00	R220263	1.50	<0.005
			219.00	220.50	R220264	1.50	<0.005
			220.50	222.00	R220265	1.50	<0.005
			222.00	223.50	R220266	1.50	0.005
			223.50	225.00	R220267	1.50	0.019
			225.00	226.50	R220268	1.50	0.011
226.08	242.04	V4; Tuff	226.50	228.00	R220269	1.50	0.011
		Trachyte 85°; TUFF	228.00	229.50	R220270	1.50	<0.005
		Dark grey/black fine to medium grained tuff similar to 115.16 to 133.33.	229.50	231.00	R220271	1.50	0.082
230.30	237.00	Vn;3%;Qcc;Ra;;Py00.1;	231.00	232.50	R220272	1.50	0.063
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite random Pyrite 0.1%	232.50	234.00	R220273	1.50	0.045
		Randomly oriented narrow qtz/calcite +/- chlorite veins and veinlets with trace py.	234.00	235.50	R220274	1.50	0.035

Description			Assay				
			From	To	Sample number	Length	AuBest
			235.50	237.00	R220277	1.50	<0.005
			237.00	238.50	R220278	1.50	<0.005
			238.50	240.00	R220279	1.50	0.026
			240.00	241.50	R220280	1.50	<0.005
			241.50	243.00	R220281	1.50	0.022
242.04	280.62	V4	243.00	244.50	R220282	1.50	0.044
		Trachyte 45°	244.50	246.00	R220283	1.50	<0.005
		Dark green fine grained trachyte flows similar to 135.35-151.14m but becomes more massive. Weak fracture-controlled epidote alteration starts around 151.6m.					
245.20	252.30	Vn;2%;Cc;Ra;;Py00.1;	246.00	247.50	R220284	1.50	<0.005
		vein (5 mm - 10 cm) 2% calcite-chlorite random Pyrite 0.1%	247.50	249.00	R220285	1.50	<0.005
		Calcite +/- chlorite veining with a pinkish potassic alteration and trace py.	249.00	250.50	R220286	1.50	<0.005
			250.50	252.00	R220287	1.50	<0.005
251.60	264.00	Ca02; Ep01; Cl01; K01	252.00	253.50	R220288	1.50	<0.005
		Calcite 2; Epidote 1; Chlorite 1; Potassic 1					
		Moderate to strong pervasive calcitic alteration, weak to moderate fracture-controlled epidote alteration, weak fracture-controlled chloritic alteration and a weak patchy potassic alteration.					
253.00	253.15	Vn;80%;Cc;;55°;Py01;	253.50	255.00	R220289	1.50	<0.005
		vein (5 mm - 10 cm) 80% calcite-chlorite 55° Pyrite 1%	255.00	256.50	R220290	1.50	<0.005
		Calcite/chlorite + epidote vein at 45/65 dtca with 1% py.	256.50	258.00	R220291	1.50	<0.005
			258.00	259.50	R220292	1.50	<0.005
			259.50	261.00	R220293	1.50	<0.005
			261.00	262.50	R220294	1.50	<0.005
			262.50	264.00	R220295	1.50	<0.005
264.00	376.20	Ca02; Cl02; K01	264.00	265.50	R220296	1.50	0.005
		Calcite 2; Chlorite 2; Potassic 1	265.50	267.00	R220297	1.50	<0.005
		Moderate becoming weaker downhole pervasive and vein-controlled calcitic alteration, weak to moderate fracture-controlled chloritic alteration and a weak patchy potassic alteration.	267.00	268.50	R220298	1.50	<0.005
			268.50	270.00	R220299	1.50	<0.005
			270.00	271.50	R220302	1.50	<0.005
			271.50	273.00	R220303	1.50	0.008
			273.00	274.50	R220304	1.50	<0.005
			274.50	276.00	R220305	1.50	<0.005
			276.00	277.50	R220306	1.50	<0.005
			277.50	279.00	R220307	1.50	<0.005
			279.00	280.50	R220308	1.50	0.121

Description				Assay				
				From	To	Sample number	Length	AuBest
				280.50	282.00	R220309	1.50	0.03
280.60	311.49		Fln					
			Foliation 55°					
			Weak foliation at 45-65 dtca.					
280.62	311.49		V4; Tuff	282.00	283.50	R220310	1.50	0.053
			Trachyte 40°; TUFF	283.50	285.00	R220311	1.50	0.008
			Dark grey/black fine to medium grained tuff similar to 115.16 to 133.33m. Narrow (up to 30cm wide) bands of	285.00	286.50	R220312	1.50	<0.005
			calcitic/potassic alteration and up to 2% py start around 295.2m.	286.50	288.00	R220313	1.50	<0.005
				288.00	289.50	R220314	1.50	0.01
				289.50	291.00	R220315	1.50	<0.005
				291.00	292.50	R220316	1.50	<0.005
				292.50	294.00	R220317	1.50	0.037
				294.00	295.50	R220318	1.50	0.028
295.20	297.63		Py02	295.50	297.00	R220319	1.50	0.752
			Pyrite 2%	297.00	298.50	R220320	1.50	0.156
			2% disseminated py.	298.50	300.00	R220321	1.50	0.076
				300.00	301.50	R220322	1.50	0.126
				301.50	303.00	R220323	1.50	0.104
				303.00	304.50	R220324	1.50	0.081
				304.50	306.00	R220327	1.50	0.292
				306.00	307.50	R220328	1.50	0.199
				307.50	309.00	R220329	1.50	0.358
				309.00	310.50	R220330	1.50	1.275
				310.50	312.00	R220331	1.50	0.223
311.49	332.14		V4; FlBand					
			Trachyte 35°; FLOWBANDED					
			Dark grey/black to dark grey/maroon fine grained flowbanded trachyte flows with several chilled contacts					
			between flows. Weak to moderate vein controlled calcitic alteration. Weak to moderate patchy potassic					
			alteration. Weak to moderate dark green chlorite alteration. 1-2% calcite +/- qtz and/or k-spar and/or chlorite					
			veining. As we move down hole veining becomes more vuggy indicating the presence of acidic fluids.					
			Moderately to strongly magnetic. 0.5-1% fine to coarse disseminated py associated with potassic alteration.					
311.49	313.70		Py00.5					
			Pyrite 0.5%					
			0.5% finely disseminated py.					
311.49	332.14		Vn;3%;Qcc;;;Py00.1;	312.00	313.50	R220332	1.50	0.176
			vein (5 mm - 10 cm) 3% quartz-calcite-chlorite Pyrite 0.1%	313.50	315.00	R220333	1.50	0.271

Description			Assay				
			From	To	Sample number	Length	AuBest
		Vuggy qtz/calcite/chlorite +/- k-spar veining with various orientations. Veins themselves contain trace py					
		but may have up to 2% in potassically altered host rock margins.					
313.70	316.50	Py01	315.00	316.50	R220334	1.50	0.062
		Pyrite 1%					
		1% finely disseminated py.					
316.50	324.50	Py00.5	316.50	318.00	R220335	1.50	0.213
		Pyrite 0.5%	318.00	319.50	R220336	1.50	0.264
		0.5% finely disseminated py.	319.50	321.00	R220337	1.50	0.151
			321.00	322.50	R220338	1.50	0.189
			322.50	324.00	R220339	1.50	0.633
			324.00	325.50	R220340	1.50	0.048
324.50	332.14	Py01	325.50	327.00	R220341	1.50	0.056
		Pyrite 1%	327.00	328.50	R220342	1.50	0.052
		1% finely disseminated py.	328.50	330.00	R220343	1.50	0.067
			330.00	331.50	R220344	1.50	0.065
			331.50	333.00	R220345	1.50	0.034
332.14	342.88	V4; PyroTuff					
		Trachyte 35°; PYROCLASTIC (TUFFACEOUS)					
		Dark grey/black medium to coarse grained tuffaceous pyroclastic flow with sub-rounded to angular pumice clasts. Weak to moderate vein controlled calcitic alteration. Weak patchy potassic alteration. Weak to moderate chloritic alteration. Weakly to moderately magnetic. <1% calcite +/- qtz and or k-spar veining with some vugginess. 1-2% fine to coarse disseminated py. Sharp upper and lower contacts at 45/25 dtca respectively.					
332.14	347.30	Py02	333.00	334.50	R220346	1.50	0.019
		Pyrite 2%	334.50	336.00	R220347	1.50	0.019
		2% fine to coarse disseminated py.	336.00	337.50	R220348	1.50	0.026
			337.50	339.00	R220349	1.50	0.03
			339.00	340.50	R220352	1.50	0.025
			340.50	342.00	R220353	1.50	0.027
			342.00	343.50	R220354	1.50	0.047
342.88	404.73	V4; FlBand	343.50	345.00	R220355	1.50	0.162
		Trachyte 35°; FLOWBANDED	345.00	346.50	R220356	1.50	0.194
		Dark grey/black to dark grey/maroon fine to medium grained trachytic flows with occasional crystal-rich intervals and tuffaceous intervals. 348.81m there is a 2cm wide clay fault at 75 dtca. Moderate vein controlled calcitic alteration. Weak patchy potassic alteration. Weak to moderate chloritic alteration. Moderately to strongly magnetic. 1% calcite +/- qtz veining. 1-2% fine to coarse disseminated py that goes to trace from 364.4-388m before going back up to 1-2%. Veining becomes stronger (3-5%) around 372m and switches from calcite to ankerite + qtz +/- k-spar and chlorite.	346.50	348.00	R220357	1.50	0.074
			348.00	349.50	R220358	1.50	0.061

Description			Assay				
			From	To	Sample number	Length	AuBest
348.81	348.83	Gg **Fault gouge 75°** 2cm wide clay fault gouge at 75 dtca.	349.50	351.00	R220359	1.50	0.087
350.00	352.00	Py01 **Pyrite 1%** 1% disseminated py.	351.00	352.50	R220360	1.50	0.062
352.00	360.00	Py02 **Pyrite 2%** 2% disseminated py.	352.50	354.00	R220361	1.50	0.106
			354.00	355.50	R220362	1.50	0.228
			355.50	357.00	R220363	1.50	0.213
			357.00	358.50	R220364	1.50	0.021
			358.50	360.00	R220365	1.50	0.018
360.00	361.50	Py01 **Pyrite 1%** 1% disseminated py.	360.00	361.50	R220366	1.50	0.021
361.50	364.40	Py00.5 **Pyrite 0.5%** 0.5% disseminated py.	361.50	363.00	R220367	1.50	0.008
			363.00	364.50	R220368	1.50	0.011
			364.50	366.00	R220369	1.50	0.017
			366.00	367.50	R220370	1.50	0.099
			367.50	369.00	R220371	1.50	0.054
			369.00	370.50	R220372	1.50	0.03
			370.50	372.00	R220373	1.50	0.007
372.00	389.40	Vn;5%;Qac;Ra;;Py00.1; **vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite random Pyrite 0.1%** 3-5% creamy ankerite + qtz +/- k-spar and chlorite veining with trace py in the veining but up to 2% in the potassic +/- sericitic altered host rock margins. Common to see brecciated host rock in the veining.	372.00	373.50	R220374	1.50	0.008
			373.50	375.00	R220377	1.50	0.011
			375.00	376.50	R220378	1.50	0.016
376.20	387.30	Ank01; Cl01; K01 **Ankerite 1; Chlorite 1; Potassic 1** Weak pervasive and vein-controlled ankeritic altreration, weak to locally moderate fracture-controlled chloritic alteration and a weak patchy and vein-controlled potassic alteration.	376.50	378.00	R220379	1.50	0.006
			378.00	379.50	R220380	1.50	0.006
			379.50	381.00	R220381	1.50	0.025
			381.00	382.50	R220382	1.50	0.008
			382.50	384.00	R220383	1.50	0.018
			384.00	385.50	R220384	1.50	<0.005
			385.50	387.00	R220385	1.50	0.005
			387.00	388.50	R220386	1.50	0.135
387.30	395.40	Ca01; Cl01; Se01; K01 **Calcite 1; Chlorite 1; Sericite 1; Potassic 1** Weak pervasive calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak to					

Description			Assay				
			From	To	Sample number	Length	AuBest
		locally moderate sericitic alteration and weak patchy and vein-controlled potassic alteration.					
388.00	390.80	Py01	388.50	390.00	R220387	1.50	0.201
		Pyrite 1%	390.00	391.50	R220388	1.50	0.032
		1% disseminated py.					
391.14	394.62	Vn;3%;Qac;Ra;;Py00.1;	391.50	393.00	R220389	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Pyrite 0.1%					
		Grey qtz veining with minor ankerite and chlorite with weak to moderate potassic alteration. Trace py and up to 1% cpy. Minor host rock breccia in some veins. Some veins are folded/convoluted.					
393.00	395.00	Cp00.1	393.00	394.50	R220390	1.50	0.026
		Chalcopyrite 0.1%	394.50	396.00	R220391	1.50	0.517
		Generally trace cpy over the interval with up to 1% associated with chlorite in qtz/ankerite veining.					
394.62	395.60	Vn;30%;Qac;Ra;;Py00.1;					
		vein (5 mm - 10 cm) 30% quartz-ankerite-chlorite random Pyrite 0.1%					
		Ankerite with minor qtz and chlorite veining with k-spar forming ladder veining.					
395.00	398.92	Py01					
		Pyrite 1%					
		1% disseminated py.					
395.40	404.73	Si03; K02; Cl02; Se01					
		Silica 3; Potassic 2; Chlorite 2; Sericite 1					
		Strong vein-controlled silicic alteration with 25-30% qtz flooding, moderate to strong vein-controlled potassic alteration, moderate fracture/vein-controlled chloritic alteration and weak to moderate sericitic alteration.					
395.60	404.73	Fl;30;Qac;Ra;;Py01;	396.00	397.50	R220392	1.50	0.123
		floods 30 quartz-ankerite-chlorite random Pyrite 1%	397.50	399.00	R220393	1.50	0.113
		Qtz flooding/veining + ankerite, chlorite and k-spar(?). Moderate to strong vein-controlled potassic alteration and 1% py.					
398.92	454.00	Py00.5	399.00	400.50	R220394	1.50	0.168
		Pyrite 0.5%	400.50	402.00	R220395	1.50	0.931
		0.5% disseminated py.	402.00	403.50	R220396	1.50	0.839
			403.50	405.00	R220397	1.50	0.184
404.73	406.00	FAZ; Shr					
		Fault Zone 50°; Sheared					
		Fault/shear zone hosted in trachyte. Sharp contacts at 50/45 dtca. 20cm of gouge at upper contact with common slips, gouge and broken/friable core. Weakly ankeritic, non calcareous, non magnetic and 0.5-1% py.					
404.73	468.24	Ca01; Cl01; Se01	405.00	406.00	R220398	1.00	0.016
		Calcite 1; Chlorite 1; Sericite 1					
		Weak pervasive calcitic alteration, weak to locally moderate fracture-controlled alteration and weak to locally moderate sericitic alteration.					
404.73	406.00	SZ					
		Shear Zone 50°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fault/shear zone hosted in trachyte. Sharp contacts at 50/45 dtca. 20cm of gouge at upper contact with common slips, gouge and broken/friable core.					
406.00	421.13	V4; Tuff; Fol **Trachyte 45°; TUFF; Foliated** Medium grey fine to medium grained moderately foliated tuff. Non to very weakly ankeritic. Weakly to moderately calcitic. Weak to moderate sericitic alteration. Weak to moderate dark green chloritic alteration. Non magnetic. <1% calcite veining. 1-2% finely to very finely disseminated py.					
406.00	421.13	Fln **Foliation 75°** Weak to moderate foliation at 55-75 dtca.	406.00	407.00	R220399	1.00	0.012
			407.00	408.00	R220402	1.00	0.01
			408.00	409.50	R220403	1.50	0.007
			409.50	411.00	R220404	1.50	0.016
			411.00	412.50	R220405	1.50	0.017
			412.50	414.00	R220406	1.50	0.006
			414.00	415.50	R220407	1.50	<0.005
			415.50	417.00	R220408	1.50	0.007
			417.00	418.50	R220409	1.50	0.005
			418.50	420.00	R220410	1.50	0.009
			420.00	421.00	R220411	1.00	0.007
			421.00	422.00	R220412	1.00	<0.005
421.13	421.80	FAZ; Shr **Fault Zone 50°; Sheared** Fault/shear zone hosted in tuff. Sharp contacts at 45/60 dtca. Common slips, gouge and broken/friable core. Weakly ankeritic, non calcareous, non magnetic and 0.5-1% py.					
421.13	421.80	Ctc Flt **Cataclastic Fault 70°** Gouge coated broken blocky core and rubble with contacts at 65/75 dtca.					
421.80	468.24	V4; Tuff; Fol **Trachyte 60°; TUFF; Foliated** Medium grey fine grained moderately foliated tuff. Non to very weakly ankeritic. Weakly to moderately calcitic. Weak to moderate sericitic alteration. Weak to moderate dark green chloritic alteration. Non magnetic. <1% calcite/qtz veining. 1-2% finely to very finely disseminated py with occasional intervals of trace py.					
421.80	534.25	Fln **Foliation 65°** Moderate foliation at 50-80 dtca.	422.00	423.00	R220413	1.00	0.006
			423.00	424.50	R220414	1.50	0.008
			424.50	426.00	R220415	1.50	0.006
			426.00	427.50	R220416	1.50	0.006
			427.50	429.00	R220417	1.50	0.006
			429.00	430.50	R220418	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			430.50	432.00	R220419	1.50	0.008
			432.00	433.50	R220420	1.50	0.007
			433.50	435.00	R220421	1.50	0.007
			435.00	436.50	R220422	1.50	0.008
			436.50	438.00	R220423	1.50	0.053
			438.00	439.50	R220424	1.50	0.015
			439.50	441.00	R220427	1.50	0.016
			441.00	442.50	R220428	1.50	0.014
			442.50	444.00	R220429	1.50	0.009
			444.00	445.50	R220430	1.50	0.009
			445.50	447.00	R220431	1.50	0.008
			447.00	448.50	R220432	1.50	0.009
			448.50	450.00	R220433	1.50	0.107
			450.00	451.50	R220434	1.50	0.022
			451.50	453.00	R220435	1.50	0.006
			453.00	454.50	R220436	1.50	0.006
			454.50	456.00	R220437	1.50	0.011
			456.00	457.50	R220438	1.50	0.01
			457.50	459.00	R220439	1.50	0.008
459.00	470.00	Py01	459.00	460.50	R220440	1.50	<0.005
		Pyrite 1%	460.50	462.00	R220441	1.50	0.007
		1% finely disseminated py.	462.00	463.50	R220442	1.50	0.008
			463.50	465.00	R220443	1.50	0.009
464.00	471.80	Vn;5%;Qak;Ra;;Py00.1;	465.00	466.50	R220444	1.50	0.011
		vein (5 mm - 10 cm) 5% quartz-ankerite random Pyrite 0.1%	466.50	468.00	R220445	1.50	0.606
		5% qtz/ankerite veining with trace py generally along the margins.	468.00	469.50	R220446	1.50	1.25
468.24	525.30	V4; Fol	469.50	471.00	R220447	1.50	0.308
		Trachyte; Foliated					
		Similar to 421.80-468.24m with weaker and non-continuous foliation. Also calcite alteration is replaced by a weak to locally moderate ankeritic alteration. Py is generally trace but locally up to 1% and disseminated.					
468.24	505.00	Ank01; Cl02; Se01					
		Ankerite 1; Chlorite 2; Sericite 1					
		Weak to moderate pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration and weak to moderate sericitic alteration.					
470.00	472.50	Py00.5	471.00	472.50	R220448	1.50	0.435
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		0.5% finely disseminated py.	472.50	474.00	R220449	1.50	0.062
			474.00	475.50	R220452	1.50	0.005
			475.50	477.00	R220453	1.50	0.007
			477.00	478.50	R220454	1.50	0.005
			478.50	480.00	R220455	1.50	<0.005
			480.00	481.50	R220456	1.50	0.13
			481.50	483.00	R220457	1.50	0.161
482.50	490.00	Vn;5%;Qak;Ra;;Py00.1;	483.00	484.50	R220458	1.50	0.492
		vein (5 mm - 10 cm) 5% quartz-ankerite random Pyrite 0.1%	484.50	486.00	R220459	1.50	1.545
		Narrow qtz/ankerite veining with trace py in the veins but up to 0.5% around the margins.					
485.00	492.00	Py00.5	486.00	487.50	R220460	1.50	0.725
		Pyrite 0.5%	487.50	489.00	R220461	1.50	0.335
		0.5% finely disseminated py.	489.00	490.50	R220462	1.50	0.025
			490.50	492.00	R220463	1.50	0.586
			492.00	493.50	R220464	1.50	0.014
			493.50	495.00	R220465	1.50	0.012
			495.00	496.50	R220466	1.50	0.005
			496.50	498.00	R220467	1.50	0.215
			498.00	499.50	R220468	1.50	0.371
			499.50	501.00	R220469	1.50	<0.005
			501.00	502.50	R220470	1.50	0.012
			502.50	504.00	R220471	1.50	0.007
			504.00	505.50	R220472	1.50	<0.005
505.00	525.30	Ank02; Cl02; Se01	505.50	507.00	R220473	1.50	<0.005
		Ankerite 2; Chlorite 2; Sericite 1	507.00	508.50	R220474	1.50	0.057
		Moderate pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration and weak to	508.50	510.00	R220477	1.50	0.371
		moderate sericitic alteration..	510.00	511.50	R220478	1.50	0.034
			511.50	513.00	R220479	1.50	<0.005
			513.00	514.50	R220480	1.50	0.011
			514.50	516.00	R220481	1.50	<0.005
			516.00	517.50	R220482	1.50	<0.005
			517.50	519.00	R220483	1.50	<0.005
			519.00	520.50	R220484	1.50	<0.005
			520.50	522.00	R220485	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			522.00	523.50	R220486	1.50	<0.005
			523.50	525.00	R220487	1.50	0.006
			525.00	526.50	R220488	1.50	0.023
525.30	634.80	V4; Fol	526.50	528.00	R220489	1.50	0.034
		Trachyte 70°; Foliated	528.00	529.50	R220490	1.50	<0.005
		Medium greyish to dark green very fine grained crystalline trachyte flow with occasional intercalated tuffaceous units. Weak to moderate intermittent foliation at 45-60 dtca. Moderate to locally strong pervasive and fracture-controlled chloritic alteration, strong to weak patchy to pervasive ankeritic alteration with weak to moderate foliation-controlled sericitic alteration. Weak patchy and vein-controlled silicic alteration starts around 600m to the end of unit. Possibly a weak vein-controlled albite alteration coincides with the silicification. Localized white to greyish fine to medium sized (generally <1cm) amygdules locally elongated within foliation. Faulting (gouge and cataclastite) becomes more common down hole. Trace to 0.5% fine grained disseminated to clustered py.	529.50	531.00	R220491	1.50	0.042
525.30	531.00	Ank03; Cl02; Se01					
		Ankerite 3; Chlorite 2; Sericite 1					
		Strong pervasive ankeritic alteration, moderate to strong fracture-controlled chloritic alteration and weak sericitic alteration.					
531.00	546.00	Ank03; Cl02; Se02	531.00	532.50	R220492	1.50	0.165
		Ankerite 3; Chlorite 2; Sericite 2	532.50	534.00	R220493	1.50	0.105
		Strong pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration and moderate sericitic alteration					
534.00	547.00	Vn;5%;Qac;Vn;55°;Py00.1;	534.00	535.50	R220494	1.50	0.011
		vein (5 mm - 10 cm) 5% quartz-ankerite-chlorite vein parallel to foliation 55° Pyrite 0.1%					
		Grey qtz/feldspar + minor ankerite veining with chlorite/sericite and up to 0.5% py along the margins.					
534.25	534.58	Ctc Flt					
		Cataclastic Fault 55°					
		Gouge covered broken rubble with sharp upper and lower contacts at 55 dtca.					
534.58	563.43	Fln	535.50	537.00	R220495	1.50	0.007
		Foliation 55°	537.00	538.50	R220496	1.50	0.01
		Weak to moderate intermittant foliation at 40-65 dtca.	538.50	540.00	R220497	1.50	0.01
			540.00	541.50	R220498	1.50	0.013
541.50	543.00	Py00.5	541.50	543.00	R220499	1.50	0.016
		Pyrite 0.5%	543.00	544.50	R220502	1.50	0.065
		0.5% py associated with chlorite/sericite along qtz vein margins.	544.50	546.00	R220503	1.50	0.041
546.00	600.00	Cl02; Ank02; Se02	546.00	547.50	R220504	1.50	0.017
		Chlorite 2; Ankerite 2; Sericite 2	547.50	549.00	R220505	1.50	0.015
		Moderate pervasive and fracture-controlled chloritic alteration, weak to moderate patchy ankeritic alteration and moderate sericitic alteration associated with deformation.	549.00	550.50	R220506	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
			550.50	552.00	R220507	1.50	0.013
			552.00	553.50	R220508	1.50	0.018
			553.50	555.00	R220509	1.50	0.014
			555.00	556.50	R220510	1.50	0.014
555.20	598.55	Vn;2%;Qac;Vn;55°;Py00.1;	556.50	558.00	R220511	1.50	0.013
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 55° Pyrite	558.00	559.50	R220512	1.50	0.015
		0.1%	559.50	561.00	R220513	1.50	0.012
		Grey qtz/feldspar + minor ankerite veining with chlorite/sericite and up to 0.5% py along the margins.	561.00	562.50	R220514	1.50	0.015
			562.50	564.00	R220515	1.50	0.007
563.43	563.50	Gg					
		Fault gouge 45°					
		7cm wide fault gouge at 45 dtca.					
563.50	609.27	Fln					
		Foliation 55°					
		Weak to moderate intermittant foliation at 40-65 dtca.					
564.00	565.50	Py00.5	564.00	565.50	R220516	1.50	0.028
		Pyrite 0.5%	565.50	567.00	R220517	1.50	0.012
		0.5% py clusters.	567.00	568.50	R220518	1.50	0.011
			568.50	570.00	R220519	1.50	0.011
			570.00	571.50	R220520	1.50	0.011
			571.50	573.00	R220521	1.50	0.014
			573.00	574.50	R220522	1.50	0.018
			574.50	576.00	R220523	1.50	0.012
			576.00	577.50	R220524	1.50	0.019
			577.50	579.00	R220527	1.50	0.013
			579.00	580.50	R220528	1.50	0.011
			580.50	582.00	R220529	1.50	0.016
			582.00	583.50	R220530	1.50	0.026
			583.50	585.00	R220531	1.50	0.016
			585.00	586.50	R220532	1.50	0.016
			586.50	588.00	R220533	1.50	0.024
			588.00	589.50	R220534	1.50	0.034
			589.50	591.00	R220535	1.50	0.015
			591.00	592.50	R220536	1.50	0.027
			592.50	594.00	R220537	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			594.00	595.50	R220538	1.50	0.048
			595.50	597.00	R220539	1.50	0.028
			597.00	598.50	R220540	1.50	0.012
			598.50	600.00	R220541	1.50	0.017
600.00	634.00	Ank03; Cl02; Se02; Si01; Alb01	600.00	601.50	R220542	1.50	0.03
		Ankerite 3; Chlorite 2; Sericite 2; Silica 1; Albite 1	601.50	603.00	R220543	1.50	0.024
		Strong to moderate pervasive ankeritic alteration, moderate fracture-controlled chloritic alteration, weak to moderate foliation-controlled sericitic alteration, weak patchy and vein-controlled silicic alteration and possibly a weak albite alteration with minor recrystallization in areas of silicification.	603.00	604.50	R220544	1.50	0.009
			604.50	606.00	R220545	1.50	0.008
605.05	605.07	Mo20	606.00	607.50	R220546	1.50	0.008
		Molybdenite 20%	607.50	609.00	R220547	1.50	0.011
		Narrow (5mm wide) albite(?) vein with 20% moly at 42 dtca.	609.00	610.50	R220548	1.50	0.01
609.27	609.39	Gg					
		Fault gouge 45°					
		12cm of fault gouge at 50/45 dtca.					
609.39	615.50	Fln	610.50	612.00	R220549	1.50	0.015
		Foliation 55°	612.00	613.50	R220552	1.50	0.005
		Weak to moderate intermittant foliation at 40-65 dtca.	613.50	615.00	R220553	1.50	0.018
			615.00	616.50	R220554	1.50	0.012
615.50	615.96	Fln					
		Foliation 60°					
		46cm of fault gouge and rubble with sharp contacts at 60 dtca.					
615.96	624.56	Fln	616.50	618.00	R220555	1.50	<0.005
		Foliation 55°	618.00	619.50	R220556	1.50	0.011
		Moderate foliation at 40-65 dtca.	619.50	621.00	R220557	1.50	<0.005
			621.00	622.50	R220558	1.50	0.005
			622.50	624.00	R220559	1.50	0.007
			624.00	625.50	R220560	1.50	0.006
624.52	634.80	Vn;3%;Qac;Vn;65°;Py00.1;					
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite vein parallel to foliation 65° Pyrite					
		0.1%					
		Qtz/ankerite/chlorite +/- feldspar (k-spar and/or albite) veining parallel to foliation with trace to 0.5% py and trace cpy.					
624.56	624.84	Fln					
		Foliation 60°					
		Gouge coated rubble with sharp contacts at 60 dtca.					
624.84	646.00	Fln	625.50	627.00	R220561	1.50	0.008

Description			Assay				
			From	To	Sample number	Length	AuBest
		Foliation 50°	627.00	628.50	R220562	1.50	0.016
		Moderate foliation at 40-65 dtca.	628.50	630.00	R220563	1.50	0.012
			630.00	631.50	R220564	1.50	0.041
			631.50	633.00	R220565	1.50	0.067
			633.00	634.50	R220566	1.50	0.033
634.00	643.00	Ank01; Ca01; K01; Cl01; Se01	634.50	636.00	R220567	1.50	0.011
		Ankerite 1; Calcite 1; Potassic 1; Chlorite 1; Sericite 1					
		Weak pervasive ankerite, weak patchy calcitic alteration, weak to moderate patchy potassic alteration, weak to moderate fracture-controlled chloritic alteration and weak intermittent foliation-controlled sericitic alteration.					
634.80	642.80	V4	636.00	637.50	R220568	1.50	0.012
		Trachyte	637.50	639.00	R220569	1.50	0.01
		Med to dk green foliated trachyte. Intense chl alteration with pink calcite sweats or veinlets oriented along foliation. Very fg groundmass. Rich in fg greyish-white eu-subhedral crystals - appear cubic? Magnetic.	639.00	640.50	R220570	1.50	0.036
			640.50	642.00	R220571	1.50	0.017
			642.00	643.50	R220572	1.50	0.013
642.80	645.85	S6V9; Lam					
		Siltstone/Tuff 85°; Laminated					
		Medium green with pale pink to beige fine grained laminated volcano-sedimentary unit? Moderate fracture controlled chlorite alteration, weak to moderate sericite parallel to laminations and moderate to strong pervasive ankeritic alteration. Moderate pervasive magnetism. Chloritic hairline sets with mm displacement - oblique up - and locally brecciating wall rock. Trace to 0.5% py clusters.					
643.00	645.85	S3; Fol;					
		Greywacke; Foliated;					
		Med green with pale pink to beige lamination. Volcano-sedimentary unit? Fg. Chl-sericite-ankerite alteration with localized clusters of py. Moderate pervasive magnetism. Chloritic hairline sets with mm displacement - oblique up - and locally brecciating wall rock.					
643.00	658.00	Ank02; Cl02; Se01	643.50	645.00	R220573	1.50	0.03
		Ankerite 2; Chlorite 2; Sericite 1	645.00	646.50	R220574	1.50	0.045
		Moderate pervasive ankerite, weak to moderate fracture-controlled chloritic alteration and weak intermittent foliation-controlled sericitic alteration.					
645.85	666.00	S3					
		Greywacke 75°					
		Medium to greyish-green fine grained greywacke?/tuff? Weakly foliated. Moderate to weak pervasive ankeritic alteration that becomes weak to moderate pervasive calcitic alteration around 658m. There is also a weak to moderate fracture-controlled chlorite alteration and a weak foliation-controlled sericite alteration. Very weakly to non-magnetic. 1% qtz-ankerite veining and calcite veinlets. Granular texture with fine grained irregular greyish-white grains poorly sorted and matrix supported. Trace to 0.5% disseminated py.					
646.00	666.00	Fln	646.50	648.00	R220577	1.50	0.006
		Foliation 50°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Weak foliation at 45-60 dtca.	648.00	649.50	R220578	1.50	0.014
			649.50	651.00	R220579	1.50	0.011
			651.00	652.50	R220580	1.50	<0.005
			652.50	654.00	R220581	1.50	0.006
			654.00	655.50	R220582	1.50	0.01
			655.50	657.00	R220583	1.50	0.009
			657.00	658.50	R220584	1.50	0.009
658.00	666.00	Ca02; Cl02; Se01	658.50	660.00	R220585	1.50	0.013
		Calcite 2; Chlorite 2; Sericite 1	660.00	661.50	R220586	1.50	0.007
		Weak to moderate pervasive to patchy calcitic alteration, weak to moderate fracture-controlled chloritic alteration and weak intermittent foliation-controlled sericitic alteration.	661.50	663.00	R220587	1.50	0.008
			663.00	664.50	R220588	1.50	0.02
			664.50	666.00	R220589	1.50	0.006
666.00	**End of DDH**						
	Number of samples: 386						
	Number of QAQC samples: 34						
	Total sampled length: 572.80						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_96

Drilled by:	Major	Claims title:	
Described by:	Reza Hosseinnejad	Township:	Gauthier Township
		Range:	
		Lot:	
		From:	23/05/2014
		To:	27/05/2014
		Section:	
		Level:	
		Work place:	Upper Canada
		Description date:	20/06/2014

Collar

Azimuth:	165.0°
Dip:	-50.0°
Length:	468.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	584,918.084
North	0.0	0.000	5,331,985.207
Elevation	0.0	0.000	349.007

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	165.0°	-50.0°	No	
ReflexEZS	66.00	164.7°	-53.2°	No	Mag = 55699
ReflexEZS	126.00	166.3°	-53.7°	No	Mag = 54756
ReflexEZS	186.00	169.3°	-52.7°	No	Mag = 54915
ReflexEZS	246.00	171.7°	-49.3°	No	Mag = 55741
ReflexEZS	306.00	175.1°	-47.3°	No	Mag = 55131
ReflexEZS	366.00	176.9°	-44.2°	No	Mag = 55537
ReflexEZS	426.00	179.3°	-41.1°	No	Mag = 55495
ReflexEZS	468.00	184.9°	-39.0°	No	Mag = 54984

Description

Re-logged by Mike Laliberty July, 2014.

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	57.58	OVB	56.00	57.00	R222816	1.00	<0.005
		Overburden	57.00	60.00	R222817	3.00	0.009
		57.58m of overburden with 57m of casing.					
57.58	468.00	V4; Tuff	60.00	61.50	R222818	1.50	0.012
		Trachyte; TUFF	61.50	63.00	R222819	1.50	0.01
		Dark grey, fine grained, weakly to moderately foliated (sub parallel to 65 dtca) trachyte tuff with occasional	63.00	64.50	R222820	1.50	0.087
		weak deformation. Moderate to strong foliation-controlled and pervasive calcitic alteration, weak to moderate	64.50	66.00	R222821	1.50	0.01
		fracture-controlled chloritic alteration and a weak patchy potassic alteration. Strongly magnetic. Localized	66.00	67.50	R222822	1.50	0.011
		randomly oriented qtz/calcite/chlorite veining +/- a very weak potassic alteration. Generally trace to 0.5%	67.50	69.00	R222823	1.50	0.011
		(rarely up to 5%) fine to medium grained disseminated pyrite with pyrite leaf along chlorite fractures.	69.00	70.50	R222824	1.50	0.006
			70.50	72.00	R222827	1.50	0.008
			72.00	73.50	R222828	1.50	0.01
			73.50	75.00	R222829	1.50	0.006
			75.00	76.50	R222830	1.50	0.012
			76.50	78.00	R222831	1.50	0.006
			78.00	79.50	R222832	1.50	0.008
			79.50	81.00	R222833	1.50	0.005
			81.00	82.50	R222834	1.50	0.008
			82.50	84.00	R222835	1.50	<0.005
			84.00	85.50	R222836	1.50	<0.005
			85.50	87.00	R222837	1.50	<0.005
			87.00	88.50	R222838	1.50	0.005
			88.50	90.00	R222839	1.50	0.007
			90.00	91.50	R222840	1.50	<0.005
			91.50	93.00	R222841	1.50	0.005
			93.00	94.50	R222842	1.50	0.005
			94.50	96.00	R222843	1.50	0.007
			96.00	97.50	R222844	1.50	0.01
			97.50	99.00	R222845	1.50	0.008
			99.00	100.50	R222846	1.50	0.009
			100.50	102.00	R222847	1.50	0.014
			102.00	103.50	R222848	1.50	0.005
			103.50	105.00	R222849	1.50	0.059
57.58	156.00	Ca03; Cl02; K01					
		Calcite 3; Chlorite 2; Potassic 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Moderate to strong calcitic alteration, weak to moderate fracture-controlled chloritic alteration and a weak patchy potassic alteration.					
57.58	172.65	Fln					
		Foliation 30°					
		Weak to moderate foliation that runs subparallel to 65 dtca. There is minor localized deformation in areas of veining.					
104.50	107.50	Vn;20%;Qcc;Ra;;Py00.5;	105.00	106.50	R222852	1.50	0.078
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite random Pyrite 0.5%					
		Narrow randomly oriented qtz/calcite/chlorite veining with weak potassic alteration, minor deformation and up to 0.5% py.					
106.00	107.00	Py00.5	106.50	108.00	R222853	1.50	0.384
		Pyrite 0.5%	108.00	109.50	R222854	1.50	0.511
		0.5% fine to medium grained py associated with qtz/calcite/chlorite veining.	109.50	111.00	R222855	1.50	0.149
111.00	111.50	Py01					
		Pyrite 1%					
		1% fine to medium grained py associated with qtz/calcite/chlorite veining.					
111.00	111.50	Vn;20%;Qcc;An;;Py01;	111.00	112.50	R222856	1.50	2.05
		vein (5 mm - 10 cm) 20% quartz-calcite-chlorite anastomosing - braided fabric Pyrite 1%					
		Narrow randomly oriented qtz/calcite/chlorite veining with weak potassic alteration, minor deformation and up to 1% py.					
111.50	112.30	Py05					
		Pyrite 5%					
		5% fine to medium grained py associated with a narrow (<1cm wide) qtz/calcite/chlorite vein with a strong chlorite alteration halo.					
112.30	113.00	Py01	112.50	114.00	R222857	1.50	0.027
		Pyrite 1%	114.00	115.50	R222858	1.50	0.115
		1% fine to medium grained py associated with qtz/calcite/chlorite veining.	115.50	117.00	R222859	1.50	0.141
			117.00	118.50	R222860	1.50	0.129
			118.50	120.00	R222861	1.50	0.054
			120.00	121.50	R222862	1.50	0.092
			121.50	123.00	R222863	1.50	0.53
			123.00	124.50	R222864	1.50	0.019
			124.50	126.00	R222865	1.50	0.022
			126.00	127.50	R222866	1.50	0.035
			127.50	129.00	R222867	1.50	0.236
			129.00	130.50	R222868	1.50	0.159

Description			Assay				
			From	To	Sample number	Length	AuBest
			130.50	132.00	R222869	1.50	0.623
			132.00	133.50	R222870	1.50	0.22
			133.50	135.00	R222871	1.50	0.342
			135.00	136.50	R222872	1.50	0.106
			136.50	138.00	R222873	1.50	0.071
			138.00	139.50	R222874	1.50	0.076
			139.50	141.00	R222877	1.50	0.087
			141.00	142.50	R222878	1.50	0.196
			142.50	144.00	R222879	1.50	0.007
			144.00	145.50	R222880	1.50	0.684
			145.50	147.00	R222881	1.50	0.015
			147.00	148.50	R222882	1.50	0.016
			148.50	150.00	R222883	1.50	0.025
			150.00	151.50	R222884	1.50	0.006
			151.50	153.00	R222885	1.50	<0.005
			153.00	154.50	R222886	1.50	0.008
			154.50	156.00	R222887	1.50	0.026
156.00	301.80	Ca03; Cl02	156.00	157.50	R222888	1.50	0.036
		Calcite 3; Chlorite 2	157.50	159.00	R222889	1.50	0.017
		Moderate to strong calcitic alteration and a weak to moderate fracture-controlled chloritic alteration.	159.00	160.50	R222890	1.50	0.013
160.50	164.00	Vn;3%;Qcc;Vn;15°;Py00.1;	160.50	162.00	R222891	1.50	0.012
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite vein parallel to foliation 15° Pyrite 0.1%	162.00	163.50	R222892	1.50	0.006
		Narrow qtz/calcite/chlorite veining at 15-20 dtca with minor deformation and trace py.	163.50	165.00	R222893	1.50	<0.005
			165.00	166.50	R222894	1.50	<0.005
			166.50	168.00	R222895	1.50	0.005
			168.00	169.50	R222896	1.50	<0.005
			169.50	171.00	R222897	1.50	<0.005
			171.00	172.50	R222898	1.50	0.006
			172.50	174.00	R222899	1.50	0.007
172.65	178.00	FracZn	174.00	175.50	R222902	1.50	0.009
		Fracture Zone 5°	175.50	177.00	R222903	1.50	0.01
		Broken blocky core with intervals of microfaulting/chlorite slips sub-parallel tca and minor gouge.	177.00	178.50	R222904	1.50	0.007
178.00	395.30	Fln	178.50	180.00	R222905	1.50	0.008
		Foliation 30°	180.00	181.50	R222906	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
		Weak to moderate foliation that runs subparallel to 65 dtca. There is minor localized deformation in areas of veining.	181.50	183.00	R222907	1.50	0.015
			183.00	184.50	R222908	1.50	0.013
			184.50	186.00	R222909	1.50	0.014
			186.00	187.50	R222910	1.50	0.015
			187.50	189.00	R222911	1.50	0.15
			189.00	190.50	R222912	1.50	0.007
			190.50	192.00	R222913	1.50	0.005
			192.00	193.50	R222914	1.50	0.045
192.50	193.10	Py02 **Pyrite 2%** 2% fine to medium grained disseminated py associated with wispy foliation-controlled calcite/chlorite alteration.	193.50	195.00	R222915	1.50	0.008
			195.00	196.50	R222916	1.50	0.006
			196.50	198.00	R222917	1.50	0.017
			198.00	199.50	R222918	1.50	<0.005
			199.50	201.00	R222919	1.50	0.941
199.60	201.30	Py02 **Pyrite 2%** 2% fine to medium grained disseminated py associated with chlorite halo around qtz/calcite/chlorite veining.					
199.60	201.30	Vn;3%;Qcc;Vn;5°;Py02; **vein (5 mm - 10 cm) 3% quartz-calcite-chlorite vein parallel to foliation 5° Pyrite 2%** Narrow qtz/calcite/chlorite veining sub parallel tca with minor deformation and up to 2% py in surrounding chlorite alteration halo.	201.00	202.50	R222920	1.50	1.29
			202.50	204.00	R222921	1.50	0.019
			204.00	205.50	R222922	1.50	0.026
			205.50	207.00	R222923	1.50	0.033
			207.00	208.50	R222924	1.50	0.022
			208.50	210.00	R222927	1.50	0.069
			210.00	211.50	R222928	1.50	0.029
			211.50	213.00	R222929	1.50	0.097
			213.00	214.50	R222930	1.50	0.13
			214.50	216.00	R222931	1.50	0.061
			216.00	217.50	R222932	1.50	0.019
			217.50	219.00	R222933	1.50	0.013
			219.00	220.50	R222934	1.50	0.026
			220.50	222.00	R222935	1.50	0.007
			222.00	223.50	R222936	1.50	0.005
			223.50	225.00	R222937	1.50	0.005
			225.00	226.50	R222938	1.50	0.005
			226.50	228.00	R222939	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
227.90	228.20	Vn;5%;Qcc;Vn;15°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite vein parallel to foliation 15° Pyrite 0.1%** Narrow qtz/calcite/chlorite veining at 15-20 dtca with minor deformation and trace py.	228.00	229.50	R222940	1.50	0.007
			229.50	231.00	R222941	1.50	0.007
			231.00	232.50	R222942	1.50	0.006
			232.50	234.00	R222943	1.50	0.01
			234.00	235.50	R222944	1.50	0.01
			235.50	237.00	R222945	1.50	0.017
			237.00	238.50	R222946	1.50	0.043
238.15	238.60	Vn;5%;Qcc;Vn;15°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite vein parallel to foliation 15° Pyrite 0.1%** Narrow qtz/calcite/chlorite veining at 15-20 dtca with minor deformation and trace py.	238.50	240.00	R222947	1.50	0.028
			240.00	241.50	R222948	1.50	0.051
			241.50	243.00	R222949	1.50	0.059
			243.00	244.50	R222952	1.50	0.005
			244.50	246.00	R222953	1.50	<0.005
			246.00	247.50	R222954	1.50	0.008
			247.50	249.00	R222955	1.50	0.007
			249.00	250.50	R222956	1.50	0.032
			250.50	252.00	R222957	1.50	0.053
			252.00	253.50	R222958	1.50	0.066
			253.50	255.00	R222959	1.50	0.107
			255.00	256.50	R222960	1.50	0.093
255.10	256.45	Py02 **Pyrite 2%** 2% fine to medium grained disseminated py associated with wispy foliation-controlled calcite/chlorite alteration.	256.50	258.00	R222961	1.50	0.04
			258.00	259.50	R222962	1.50	0.01
			259.50	261.00	R222963	1.50	0.006
			261.00	262.50	R222964	1.50	0.014
			262.50	264.00	R222965	1.50	0.037
			264.00	265.50	R222966	1.50	0.076
			265.50	267.00	R222967	1.50	0.025
			267.00	268.50	R222968	1.50	0.015
			268.50	270.00	R222969	1.50	0.012
			270.00	271.50	R222970	1.50	0.013
			271.50	273.00	R222971	1.50	0.006
			273.00	274.50	R222972	1.50	0.015
			274.50	276.00	R222973	1.50	0.008
			276.00	277.50	R222974	1.50	0.007
			277.50	279.00	R222977	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
			279.00	280.50	R222978	1.50	0.015
			280.50	282.00	R222979	1.50	0.011
			282.00	283.50	R222980	1.50	<0.005
			283.50	285.00	R222981	1.50	0.011
			285.00	286.50	R222982	1.50	0.01
			286.50	288.00	R222983	1.50	0.014
			288.00	289.50	R222984	1.50	0.009
			289.50	291.00	R222985	1.50	0.009
			291.00	292.50	R222986	1.50	0.007
			292.50	294.00	R222987	1.50	0.013
			294.00	295.50	R222988	1.50	0.021
			295.50	297.00	R222989	1.50	0.055
			297.00	298.50	R222990	1.50	<0.005
			298.50	300.00	R222991	1.50	<0.005
			300.00	301.50	R222992	1.50	0.012
			301.50	303.00	R222993	1.50	0.021
301.80	468.00	Ca02; Cl02; Se01; K01	303.00	304.50	R222994	1.50	0.034
		Calcite 2; Chlorite 2; Sericite 1; Potassic 1	304.50	306.00	R222995	1.50	0.008
		Moderate to strong calcitic alteration, weak to moderate fracture-controlled chloritic alteration, weak foliation-controlled sericitic alteration and a weak vein-controlled potassic alteration.	306.00	307.50	R222996	1.50	<0.005
			307.50	309.00	R222997	1.50	0.005
			309.00	310.50	R222998	1.50	<0.005
			310.50	312.00	R222999	1.50	<0.005
			312.00	313.50	Q067002	1.50	<0.005
			313.50	315.00	Q067003	1.50	<0.005
			315.00	316.50	Q067004	1.50	<0.005
316.50	319.00	Vn;5%;Qcc;Vn;30°;Py00.1;	316.50	318.00	Q067005	1.50	<0.005
		vein (5 mm - 10 cm) 5% quartz-calcite-chlorite vein parallel to foliation 30° Pyrite 0.1%	318.00	319.50	Q067006	1.50	<0.005
		Narrow qtz/calcite/chlorite veining at 20-60 dtca with weak potassic alteration, minor deformation and trace py.	319.50	321.00	Q067007	1.50	<0.005
			321.00	322.50	Q067008	1.50	<0.005
			322.50	324.00	Q067009	1.50	<0.005
			324.00	325.50	Q067010	1.50	0.039
			325.50	327.00	Q067011	1.50	<0.005
			327.00	328.50	Q067012	1.50	0.006
			328.50	330.00	Q067013	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			330.00	331.50	Q067014	1.50	<0.005
			331.50	333.00	Q067015	1.50	<0.005
			333.00	334.50	Q067016	1.50	0.006
			334.50	336.00	Q067017	1.50	0.005
			336.00	337.50	Q067018	1.50	<0.005
			337.50	339.00	Q067019	1.50	<0.005
337.70	339.00	Vn;5%;Qcc;Vn;25°;Py00.1; **vein (5 mm - 10 cm) 5% quartz-calcite-chlorite vein parallel to foliation 25° Pyrite 0.1%** Narrow qtz/calcite/chlorite veining at 15-35 dtca with weak potassic alteration, minor deformation and trace py.	339.00	340.50	Q067020	1.50	<0.005
			340.50	342.00	Q067021	1.50	0.006
			342.00	343.50	Q067022	1.50	<0.005
			343.50	345.00	Q067023	1.50	0.056
			345.00	346.50	Q067024	1.50	0.02
			346.50	348.00	Q067027	1.50	0.017
			348.00	349.50	Q067028	1.50	0.02
			349.50	351.00	Q067029	1.50	0.016
			351.00	352.50	Q067030	1.50	0.008
			352.50	354.00	Q067031	1.50	0.006
			354.00	355.50	Q067032	1.50	<0.005
			355.50	357.00	Q067033	1.50	<0.005
			357.00	358.50	Q067034	1.50	<0.005
			358.50	360.00	Q067035	1.50	<0.005
			360.00	361.50	Q067036	1.50	<0.005
			361.50	363.00	Q067037	1.50	0.01
			363.00	364.50	Q067038	1.50	<0.005
			364.50	366.00	Q067039	1.50	<0.005
365.00	368.10	Vn;3%;Qcc;Vn;50°;Py00.1; **vein (5 mm - 10 cm) 3% quartz-calcite-chlorite vein parallel to foliation 50° Pyrite 0.1%** Narrow qtz/calcite/chlorite veining at 30-70 dtca with weak potassic alteration, minor deformation and trace py.	366.00	367.50	Q067040	1.50	<0.005
			367.50	369.00	Q067041	1.50	<0.005
			369.00	370.50	Q067042	1.50	<0.005
			370.50	372.00	Q067043	1.50	<0.005
			372.00	373.50	Q067044	1.50	<0.005
			373.50	375.00	Q067045	1.50	<0.005
			375.00	376.50	Q067046	1.50	<0.005
			376.50	378.00	Q067047	1.50	<0.005
			378.00	379.50	Q067048	1.50	<0.005
			379.50	381.00	Q067049	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			381.00	382.50	Q067052	1.50	<0.005
			382.50	384.00	Q067053	1.50	<0.005
			384.00	385.50	Q067054	1.50	<0.005
385.10	385.50	Vn;80%;Qcc;Vn;70°;Py00.1;	385.50	387.00	Q067055	1.50	<0.005
		vein (5 mm - 10 cm) 80% quartz-calcite-chlorite vein parallel to foliation 70° Pyrite	387.00	388.50	Q067056	1.50	<0.005
		0.1%	388.50	390.00	Q067057	1.50	0.006
		Qtz/calcite/chlorite veining at 70 dtca with weak potassic alteration, minor deformation and trace py.	390.00	391.50	Q067058	1.50	0.015
			391.50	393.00	Q067059	1.50	0.031
			393.00	394.50	Q067060	1.50	0.011
			394.50	396.00	Q067061	1.50	0.005
395.30	398.00	FracZn	396.00	397.50	Q067062	1.50	<0.005
		Fracture Zone	397.50	399.00	Q067063	1.50	<0.005
		Broken blocky core with intervals of highly fractured and gouge covered rubble.					
395.30	395.75	Py01					
		Pyrite 1%					
		1% fine to medium grained disseminated py associated with wispy foliation-controlled calcite/chlorite alteration.					
398.00	468.00	Fln	399.00	400.50	Q067064	1.50	<0.005
		Foliation 35°	400.50	402.00	Q067065	1.50	0.01
		Moderate to strong foliation at 20-55 dtca.There is minor localized deformation in areas of veining.					
400.60	408.15	Py01	402.00	403.50	Q067066	1.50	<0.005
		Pyrite 1%	403.50	405.00	Q067067	1.50	0.005
		Intermittent intervals of 1% fine to medium grained disseminated py associated with wispy foliation-controlled calcite/chlorite alteration.	405.00	406.50	Q067068	1.50	0.052
			406.50	408.00	Q067069	1.50	0.015
			408.00	409.50	Q067070	1.50	<0.005
			409.50	411.00	Q067071	1.50	0.026
			411.00	412.50	Q067072	1.50	0.022
			412.50	414.00	Q067073	1.50	0.008
			414.00	415.50	Q067074	1.50	<0.005
			415.50	417.00	Q067077	1.50	<0.005
			417.00	418.50	Q067078	1.50	<0.005
			418.50	420.00	Q067079	1.50	<0.005
			420.00	421.50	Q067080	1.50	<0.005
421.00	436.80	Vn;3%;Qcc;Vn;;Py00.1;	421.50	423.00	Q067081	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-calcite-chlorite vein parallel to foliation Pyrite 0.1%	423.00	424.50	Q067082	1.50	<0.005
		Narrow qtz/calcite/chlorite veining sub-parallel to perpendicular tca with weak potassic alteration, minor					

Description	Assay				
	From	To	Sample number	Length	AuBest
deformation and trace py.	424.50	426.00	Q067083	1.50	<0.005
	426.00	427.50	Q067084	1.50	<0.005
	427.50	429.00	Q067085	1.50	<0.005
	429.00	430.50	Q067086	1.50	0.005
	430.50	432.00	Q067087	1.50	<0.005
	432.00	433.50	Q067088	1.50	<0.005
	433.50	435.00	Q067089	1.50	0.005
	435.00	436.50	Q067090	1.50	0.006
	436.50	438.00	Q067091	1.50	<0.005
	438.00	439.50	Q067092	1.50	<0.005
	439.50	441.00	Q067093	1.50	<0.005
	441.00	442.50	Q067094	1.50	<0.005
	442.50	444.00	Q067095	1.50	<0.005
	444.00	445.50	Q067096	1.50	<0.005
	445.50	447.00	Q067097	1.50	<0.005
	447.00	448.50	Q067098	1.50	<0.005
	448.50	450.00	Q067099	1.50	<0.005
	450.00	451.50	Q067102	1.50	<0.005
	451.50	453.00	Q067103	1.50	<0.005
	453.00	454.50	Q067104	1.50	<0.005
	454.50	456.00	Q067105	1.50	0.006
	456.00	457.50	Q067106	1.50	<0.005
	457.50	459.00	Q067107	1.50	<0.005
	459.00	460.50	Q067108	1.50	0.008
	460.50	462.00	Q067109	1.50	0.006
	462.00	463.50	Q067110	1.50	<0.005
	463.50	465.00	Q067111	1.50	0.009
	465.00	466.50	Q067112	1.50	0.012
	466.50	468.00	Q067113	1.50	0.007
468.00	**End of DDH**				
	Number of samples: 274				
	Number of QAQC samples: 24				
	Total sampled length: 412.00				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_97

Drilled by:	Major	Claims title:	CLM281	Section:	
Described by:	Reza Hosseinnejad	Township:	GAUTHIER	Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	17/05/2014	Description date:	24/05/2014
		To:	26/05/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 675.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,806.093
North	0.0	0.000	5,331,199.499
Elevation	0.0	0.000	343.604

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	96.00	358.0°	-52.9°	No	Mag = 54630
ReflexEZS	156.00	357.1°	-52.9°	No	Mag = 55176
ReflexEZS	222.00	340.3°	-52.5°	Yes	Mag = 41698
ReflexEZS	225.00	357.8°	-52.8°	No	Mag = 54325
ReflexEZS	285.00	359.5°	-52.3°	No	Mag = 55484
ReflexEZS	345.00	0.0°	-52.3°	No	Mag = 55283
ReflexEZS	405.00	0.0°	-51.9°	No	Mag = 55205
ReflexEZS	465.00	0.9°	-51.8°	No	Mag = 55271
ReflexEZS	525.00	0.9°	-50.9°	No	Mag = 55432
ReflexEZS	588.00	2.8°	-49.8°	No	Mag = 56139
ReflexEZS	648.00	4.3°	-49.4°	No	Mag = 56070

Description

Re-Logged by Ciara Cooke August 2014.

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	65.50	OVB **Overburden** Casing and overburden.					
65.50	109.73	4U; Lam **Ultramafic; Laminated** Dk grey becoming med grey-green towards lower ctc. Ultramafic flow. Aphanitic. Strong pervasive chloritization with selective talc-serpentine alteration as well as interstitial calcite. Moderate pervasive magnetism until the inner limit of the chill margin at 96m. Chill margin defined by lighter colouring as well as transition from calcite to ankerite alteration. Sporadic ankerite veining. Core is broken and rubbly with several clayey gouge horizons defining a fault zone. Weak flow laminations with possible pillow structures. Trace to 0.1 pct fg to f-mg py in clusters associated with veining. Sharp lower ctc with traces of interstitial fuchsite within btm 70cm.	65.50	66.00	R222372	0.50	<0.005
			66.00	67.50	R222373	1.50	<0.005
			67.50	69.00	R222374	1.50	0.007
			69.00	75.00	R222377	6.00	0.093
			75.00	78.00	R222378	3.00	<0.005
			78.00	79.50	R222379	1.50	<0.005
65.50	96.00	Cl03; Talc02; Mgt02; Ca02 **Chlorite 3; Talc 2; Magnetite 2; Calcite 2** Strong pervasive chloritization. Moderate selective talc alteration. Moderate pervasive magnetism. Weak to moderate selective calcite.					
65.50	109.50	Py00.1 **Pyrite 0.1%** Eu-subhedral f-mg vein associated py.					
78.40	87.00	Vt;2%;Qak Ak;Ra;;; **veinlet (1-5 mm) 2% quartz-ankerite ankerite random** White ankerite veining. Majority veinlets with isolated vein.	79.50	81.00	R222380	1.50	<0.005
			81.00	82.50	R222381	1.50	0.006
			82.50	84.00	R222382	1.50	<0.005
			84.00	85.50	R222383	1.50	<0.005
			85.50	87.00	R222384	1.50	<0.005
			87.00	88.50	R222385	1.50	0.008
			88.50	90.00	R222386	1.50	<0.005
			90.00	91.50	R222387	1.50	<0.005
			91.50	93.00	R222388	1.50	<0.005
			93.00	94.50	R222389	1.50	<0.005
93.20	95.10	Vt;2%;Ca;Ra;;; **veinlet (1-5 mm) 2% calcite random** Pink calcite veinlets to veins. Broken up within shear zone.	94.50	96.00	R222390	1.50	0.313
96.00	109.73	Cl03; Ank02; Mgt01; Fu01 **Chlorite 3; Ankerite 2; Magnetite 1; Fuchsite 1** Strong pervasive chloritization. Moderate selective ankerite. Weak selective magnetite. Weak isolated fuchsite at lower ctc.	96.00	97.50	R222391	1.50	0.024
96.10	109.73	Vn;3%;Qak;Ra;;; **vein (5 mm - 10 cm) 3% quartz-ankerite random** White to greyish qtz-ankerite veining. Few isolated pinky beige veins mineralized with fg py.	97.50	99.00	R222392	1.50	0.01
			99.00	100.50	R222393	1.50	0.045

Description			Assay				
			From	To	Sample number	Length	AuBest
			100.50	102.00	R222394	1.50	0.037
			102.00	103.50	R222395	1.50	0.105
			103.50	105.00	R222396	1.50	0.026
			105.00	106.50	R222397	1.50	0.012
			106.50	108.00	R222398	1.50	0.066
			108.00	109.50	R222399	1.50	0.144
109.50	112.50	Py01; Cp00.1; Mo00.1	109.50	111.00	R222402	1.50	0.112
		Pyrite 1%; Chalcopyrite 0.1%; Molybdenite 0.1%					
		Fg to f-mg disseminated to fracture controlled py. Blebs of chalcopyrite and molybdenite within late-stage qtz veinlets.					
109.73	149.05	V4; Per	111.00	112.50	R222403	1.50	0.098
		Trachyte 70°; PERLITIC					
		Med orangy red to greyish red-purple to mauve trachyte flow. Sharp upper ctc. Strong potassic alteration with interstitial ankerite and selective silicification. Glassy aphanitic groundmass with perlitic texture. Non magnetic with traces isolated patches at lower ctc. Pervasive microfractures which give rock an apparent brecciated texture and provide pathway for ankeritization. Qtz-ankerite veining throughout in irregular stockworks with selective orangy-red acicular barite incl. Isolated white to pinkish calcite-barite veining towards lower ctc. Mineralized with fg to f-mg disseminated to fracture controlled py 0.2 to 5 pct. Select vein controlled chalcopyrite and molybdenite within late-stage cross-cutting qtz and qtz-ankerite veinlets. Isolated chlorite-ankerite altered hyaloclastite rich quenched raft towards lower ctc.					
109.73	115.00	K03; Ank02					
		Potassic 3; Ankerite 2					
		Moderate to strong pervasive potassic alteration with weak to moderate interstitial ankerite.					
109.73	144.85	Vt;3%;Qak;Sk;;;					
		veinlet (1-5 mm) 3% quartz-ankerite stockwork					
		Greyish to orangy-pink qtz-ankerite veinlets to hairlines in irregular stockworks. Several veinlets with acicular barite incl.					
112.50	115.50	Py01	112.50	114.00	R222404	1.50	0.061
		Pyrite 1%	114.00	115.50	R222405	1.50	0.055
		Fg to f-mg disseminated to fracture controlled py.					
115.00	146.60	K03; Ank02; Si02					
		Potassic 3; Ankerite 2; Silica 2					
		Strong pervasive potassic alteration with moderate to strong selective ankerite and isolated patches of moderate silicification. Minor isolated patches of strong interstitial chl at lower ctc.					
115.50	118.50	Py01; Cp00.2; Mo00.2	115.50	117.00	R222406	1.50	0.04
		Pyrite 1%; Chalcopyrite 0.2%; Molybdenite 0.2%	117.00	118.50	R222407	1.50	0.119
		Fg to f-mg disseminated to fracture controlled py. Blebs of chalcopyrite and molybdenite within late-stage qtz veinlets.					
118.50	120.00	Py00.5	118.50	120.00	R222408	1.50	0.05
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg to f-mg disseminated to fracture controlled py.					
120.00	123.00	Py01; Cp00.1	120.00	121.50	R222409	1.50	0.042
		Pyrite 1%; Chalcopyrite 0.1%	121.50	123.00	R222410	1.50	0.056
		Fg to f-mg disseminated to fracture controlled py. Blebs of chalcopyrite within late-stage qtz veinlets.					
123.00	129.00	Py02	123.00	124.50	R222411	1.50	0.184
		Pyrite 2%	124.50	126.00	R222412	1.50	0.086
		Fg to f-mg disseminated to fracture controlled py.	126.00	127.50	R222413	1.50	0.129
			127.50	129.00	R222414	1.50	0.14
129.00	133.50	Py02; Cp00.1	129.00	130.50	R222415	1.50	0.151
		Pyrite 2%; Chalcopyrite 0.1%	130.50	132.00	R222416	1.50	0.167
		Fg to f-mg disseminated to fracture controlled py. Blebs of chalcopyrite within late-stage qtz veinlets.	132.00	133.50	R222417	1.50	0.315
133.50	135.00	Py03	133.50	135.00	R222418	1.50	0.689
		Pyrite 3%					
		Fg to f-mg disseminated to fracture controlled py. Blebs of chalcopyrite and molybdenite within late-stage qtz veinlets.					
135.00	136.50	Py05; Cp00.1	135.00	136.50	R222419	1.50	0.227
		Pyrite 5%; Chalcopyrite 0.1%					
		Fg to f-mg disseminated to fracture controlled py. Blebs of chalcopyrite within late-stage qtz veinlets.					
136.50	138.00	Py03	136.50	138.00	R222420	1.50	0.176
		Pyrite 3%					
		Fg disseminated to fracture controlled.					
138.00	139.50	Py00.2	138.00	139.50	R222421	1.50	0.122
		Pyrite 0.2%					
		Fg disseminated to fracture controlled.					
139.50	141.00	Py00.5	139.50	141.00	R222422	1.50	0.116
		Pyrite 0.5%					
		Fg disseminated to fracture controlled.					
141.00	142.50	Py01	141.00	142.50	R222423	1.50	0.151
		Pyrite 1%					
		Fg disseminated to fracture controlled.					
142.50	144.00	Py03	142.50	144.00	R222424	1.50	0.226
		Pyrite 3%					
		Fg disseminated to fracture controlled.					
144.00	147.00	Py02	144.00	145.50	R222427	1.50	0.198
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
144.85	152.00	Vn;3%;Ca;Ra;;;	145.50	147.00	R222428	1.50	0.165
		vein (5 mm - 10 cm) 3% calcite random					
		Pinky-greyish calcite veining with incl of orangy-pink barite and traces of fluorite.					

Description				Assay				
				From	To	Sample number	Length	AuBest
146.60	146.95	FTH **Flow Top/Hyaloclastite 50°** Pale greyish-green to dk green-black chl-ankerite altered quenched flow top. Rich in hyaloclastites. Sharp ctcs.						
146.60	150.15	K03; Ank02; Cl02; Mgt02 **Potassic 3; Ankerite 2; Chlorite 2; Magnetite 2** Strong pervasive potassic alteration with moderate to strong selective ankerite Patches of strong interstitial chl and magnetite.						
147.00	150.00	Py03 **Pyrite 3%** Fg disseminated to fracture controlled.		147.00 148.50	148.50 150.00	R222429 R222430	1.50 1.50	0.22 0.157
149.05	150.15	V4; Pep; Per **Trachyte 60°; PEPERITIC; PERLITIC** Med orangy red to mauve and dk green-black peperitic zone of trachyte flow. Sharp ctcs. Strong potassic alteration with interstitial ankerite of glassy trachytic components fractured in conchoidal to spherical agglomerates. Dk green chl-magnetite-py composing interstitial groundmass. Units has pervasive lineation - possible flow banding. Thin greyish-pink calcite veinlets with barite incl are cross-cutting to parallel to said lineation. 3 pct fg disseminated py generally constrained to chloritic material.						
150.00	151.50	Py02 **Pyrite 2%** Fg disseminated to fracture controlled.		150.00	151.50	R222431	1.50	0.161
150.15	173.60	V4; Per **Trachyte 55°; PERLITIC** Med orangy red to greyish red-purple-mauve trachyte flow. Sharp upper ctc with minor rafting of upper peperitic unit within top metre. Sharp lower ctc. Strong potassic alteration with interstitial ankerite and-or calcite. Isolated patches of weak to moderate silicification. Glassy aphanitic groundmass with perlitic texture. Trace isolated patches of weak to moderate magnetism. Pervasive microfractures which give rock an apparent brecciated texture. White to pinkish-grey calcite veining with selected incl of barite and fluorite. Isolated qtz-ankerite veinlets in irregular stockworks. Mineralized with 2-5pct fg to f-mg disseminated to fracture controlled py. Trace vein controlled chalcopyrite.						
150.15	152.00	K03; Ca02; Cl02; Mgt02 **Potassic 3; Calcite 2; Chlorite 2; Magnetite 2** Strong potassic alteration with moderate interstitial calcite. Isolated patches of strong interstitial chl and magnetite.						
151.50	156.00	Py05; Cp00.1 **Pyrite 5%; Chalcopyrite 0.1%** Fg disseminated to fracture controlled py. Isolated vein controlled blebs of chalcopyrite.		151.50	153.00	R222432	1.50	0.389
152.00	156.10	K03; Ank02; Si02 **Potassic 3; Ankerite 2; Silica 2** Strong pervasive potassic alteration with moderate to strong selective ankerite and moderate silicification.		153.00	154.50	R222433	1.50	1.13

Description			Assay				
			From	To	Sample number	Length	AuBest
152.00	154.00	Vt;3%;Qak;Sk;;;					
		veinlet (1-5 mm) 3% quartz-ankerite stockwork					
		Greyish-white to pinky qtz-ankerite veinlets to hairlines in irregular stockworks.					
154.00	177.00	Vt;2%;Ca Qak;Ra;;;	154.50	156.00	R222434	1.50	0.233
		veinlet (1-5 mm) 2% calcite quartz-ankerite random					
		Greyish-pinky white calcite veinlets with selective incl of barite and isolated fluorite. Minor irregular qtz-ankerite hairlines to veinlets in stockworks.					
156.00	160.50	Py03; Cp00.1	156.00	157.50	R222435	1.50	0.129
		Pyrite 3%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated blebs of fg chalcopyrite.					
156.10	177.00	K03; Ank02; Ca02; Si01	157.50	159.00	R222436	1.50	0.128
		Potassic 3; Ankerite 2; Calcite 2; Silica 1	159.00	160.50	R222437	1.50	0.37
		Strong pervasive potassic alteration with moderate selective ankerite alternating with moderate selective interstitial calcite. Isolated patches of weak to moderate silicification.					
160.50	165.00	Py04; Cp00.1	160.50	162.00	R222438	1.50	0.491
		Pyrite 4%; Chalcopyrite 0.1%	162.00	163.50	R222439	1.50	0.221
		Fg disseminated to fracture controlled py. Trace vein controlled fg chalcopyrite.	163.50	165.00	R222440	1.50	0.218
165.00	168.00	Py03	165.00	166.50	R222441	1.50	0.608
		Pyrite 3%	166.50	168.00	R222442	1.50	2.91
		Fg disseminated to fracture controlled.					
168.00	172.50	Py04	168.00	169.50	R222443	1.50	2.3
		Pyrite 4%	169.50	171.00	R222444	1.50	0.511
		Fg disseminated to fracture controlled.	171.00	172.50	R222445	1.50	0.187
172.50	174.00	Py03; Cp00.1	172.50	174.00	R222446	1.50	0.419
		Pyrite 3%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated fg blebs of vein controlled chalcopyrite.					
173.60	177.00	V4; FlBand; Per					
		Trachyte 70°; FLOWBANDED; PERLITIC					
		Med orangy red to greyish red-purple to mauve trachyte flow. Sharp ctcs. Strong potassic alteration with interstitial ankerite and selective silicification. Glassy aphanitic groundmass with perlitic texture. Moderate perevasive magnetism. Intermittent well defined flow-banding with selective perpendicular fractures showing mm displacement between bands. Few select qtz-carbonate veinlets with trace incl of barite. Mineralized with 1-2 pct fg disseminated py.					
174.00	175.50	Py02	174.00	175.50	R222447	1.50	0.188
		Pyrite 2%					
		Fg disseminated to fracture controlled.					
175.50	178.50	Py01	175.50	177.00	R222448	1.50	0.33
		Pyrite 1%					
		Fg disseminated to fracture controlled.					

Description			Assay				
			From	To	Sample number	Length	AuBest
176.90	177.00	FTH **Flow Top/Hyaloclastite 75°** Pale greyish-green to dk green-black chl-ankerite altered quenched flow top. Rich in hyaloclastites. Rich in ankerite veinlets. Sharp ctcs.					
177.00	224.00	V4; Per **Trachyte 60°; PERLITIC** Med orangy red to greyish red-purple to mauve trachyte flow. Sharp ctcs. Strong potassic alteration with moderate to strong interstitial ankerite and selective silicification accompanied with greyish discolouration. Glassy aphanitic groundmass with perlitic texture. Non magnetic. Pervasive microfractures which give rock an apparent brecciated texture and provide pathway for ankeritization. Minor qtz-ankerite veining in irregular stockworks with selective orangy-red barite incl. Mineralized with 0.2-3 pct fg to f-mg disseminated to fracture controlled py. Select vein controlled chalcopyrite and molybdenite. Isolated chlorite-ankerite altered hyaloclastite rich quenched raft towards upper ctc. Core is broken and rubbley from 212m to lower ctc.					
177.00	210.00	K03; Ank03; Si02 **Potassic 3; Ankerite 3; Silica 2** Strong pervasive potassic alteration. Moderate to strong selective ankerite alteration. Isolated patches of moderate silicification associated with greyish discolouration.					
177.00	224.30	Vt;1%;Qak;Ra;;Mo Cp; **veinlet (1-5 mm) 1% quartz-ankerite random Molybdenite Chalcopyrite** Greyish to orangy-pink qtz-ankerite veinlets to hairlines in irregular stockworks. Several veinlets with barite incl. Trace incl of moly and or chalcopyrite.	177.00	178.50	R222449	1.50	0.099
178.50	181.50	Py00.5; Cp00.1 **Pyrite 0.5%; Chalcopyrite 0.1%** Fg disseminated to fracture controlled py. Isolated fg blebs of chalcopyrite.	178.50	180.00	R222452	1.50	0.134
			180.00	181.50	R222453	1.50	0.12
180.07	181.30	FTH **Flow Top/Hyaloclastite** 10 pct dk green-black chl-ankerite altered quenched flow top. Rich in hyaloclastites. Irregular and wispying within massive flow unit.					
181.50	192.00	Py02; Mo00.1 **Pyrite 2%; Molybdenite 0.1%** Fg disseminated to fracture controlled py. Isolated vein controlled molybdenite.	181.50	183.00	R222454	1.50	0.17
			183.00	184.50	R222455	1.50	0.286
			184.50	186.00	R222456	1.50	0.228
			186.00	187.50	R222457	1.50	0.766
			187.50	189.00	R222458	1.50	0.398
			189.00	190.50	R222459	1.50	0.299
			190.50	192.00	R222460	1.50	0.296
192.00	196.50	Py01; Cp00.1 **Pyrite 1%; Chalcopyrite 0.1%** Fg disseminated to fracture controlled py. Isolated fg blebs of vein controlled chalcopyrite.	192.00	193.50	R222461	1.50	0.358
			193.50	195.00	R222462	1.50	0.251
			195.00	196.50	R222463	1.50	0.253

Description			Assay				
			From	To	Sample number	Length	AuBest
196.50	201.00	Py02	196.50	198.00	R222464	1.50	0.246
		Pyrite 2%	198.00	199.50	R222465	1.50	0.381
		Fg disseminated to fracture controlled.	199.50	201.00	R222466	1.50	0.433
201.00	204.00	Py03	201.00	202.50	R222467	1.50	0.779
		Pyrite 3%	202.50	204.00	R222468	1.50	0.49
		Fg disseminated to fracture controlled.					
204.00	207.00	Py01	204.00	205.50	R222469	1.50	0.593
		Pyrite 1%	205.50	207.00	R222470	1.50	0.83
		Fg disseminated to fracture controlled.					
207.00	219.00	Py00.5	207.00	208.50	R222471	1.50	0.737
		Pyrite 0.5%	208.50	210.00	R222472	1.50	0.409
		Fg disseminated to fracture controlled.					
210.00	224.00	K03; Ank02; Cl01	210.00	211.50	R222473	1.50	0.69
		Potassic 3; Ankerite 2; Chlorite 1	211.50	213.00	R222474	1.50	0.399
		Strong pervasive potassic alteration. Moderate selective-interstitial ankerite alteration. Trace isolated	213.00	214.50	R222477	1.50	0.363
		patches of strong interstitial dk green chl.	214.50	216.00	R222478	1.50	0.469
			216.00	217.50	R222479	1.50	0.442
			217.50	219.00	R222480	1.50	0.625
219.00	222.00	Py00.2	219.00	220.50	R222481	1.50	0.701
		Pyrite 0.2%	220.50	222.00	R222482	1.50	0.276
		Fg disseminated to fracture controlled.					
222.00	223.50	Py00.2; Cp00.1	222.00	223.50	R222483	1.50	0.26
		Pyrite 0.2%; Chalcopyrite 0.1%					
		Fg disseminated to fracture controlled py. Isolated vein controlled fg chalcopyrite.					
223.50	226.50	Py00.2	223.50	225.00	R222484	1.50	0.309
		Pyrite 0.2%					
		Fg disseminated to fracture controlled.					
224.00	231.92	V4; FlBand					
		Trachyte; FLOWBANDED					
		Med grey fg trachyte flow. Strong ankerite alteration with patchy chl. Moderate pervasive to patchy magnetism. Weak isolated sericite. Selected weak to moderate flow banding. Milky greyish-white ankerite veining with minor qtz incl as well as qtz-ankerite-feldspar veinlets in irregular cross-cutting stockworks. 0.2-1 pct fg to f-mg eu-subhedral py in fracture and vein controlled clusters. Broken core at upper ctc. Lg ankerite vein defining lower ctc.						
224.00	231.92	Ank03; Mgt02; Cl02; Se01					
		Ankerite 3; Magnetite 2; Chlorite 2; Sericite 1					
		Strong pervasive to patchy ankerite alteration. Moderate pervasive to patchy magnetism. Moderate selective dk green chl alteration. Weak to moderate isolated interstitial sericite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
224.30	229.90	Vn;4%;Qak;Ra;;; **vein (5 mm - 10 cm) 4% quartz-ankerite random** Greyish-white to orangy-red irregular veins to veinlets. Ankerite dominant with qtz and selective barite. Cross-cutting to stockworks.	225.00	226.50	R222485	1.50	0.168
226.50	231.00	Py00.5 **Pyrite 0.5%** Fg to f-mg eu-subhedral fracture and vein controlled.	226.50	228.00	R222486	1.50	0.317
			228.00	229.50	R222487	1.50	0.313
			229.50	231.00	R222488	1.50	0.307
229.90	232.10	Vm;15%;Qak;Ra;;; **major vein (10 cm or greater) 15% quartz-ankerite random** Few lg milky-white to greyish ankerite-qtz veins with orangy-red feldspar incl. Smaller irregular veinlets throughout with same composition.					
231.00	231.92	Py01 **Pyrite 1%** Fg to f-mg eu-subhedral fracture and vein controlled.	231.00	232.50	R222489	1.50	0.291
231.92	287.92	V4; Lithic; Per **Trachyte 70°; LITHIC; PERLITIC** Med red to greyish-red lithic trachyte. Glassy aphanitic groundmass with perlitic texture. Strong pervasive potassic alteration with moderate interstitial ankerite alteration. Pervasive microfractures from rapid cooling which give rock apparent brecciated texture. 10 to 15 pct greyish-white lithic fragments subangular and ranging in size from mm to cm with pervasive ankerite alteration and selective dk green chl rimming or fracturing. White to greyish and dk green qtz-ankerite-chl veinlets in irregular stockworks with few larger veins. Selective zone of barren milky greyish-white ankerite flooding with major veins causing minor brecciation of wall rock. Mineralized with 0.2-1 pct fg to f-mg disseminated to fracture controlled py.					
231.92	287.92	K03; Ank02; Si01 **Potassic 3; Ankerite 2; Silica 1** Strong pervasive potassic alteration with selective moderate to strong ankerite. Isolated patches of weak to moderate silicification associated with greyish discolouration.					
231.92	244.00	Py00.2 **Pyrite 0.2%** Fg disseminated to fracture controlled.					
232.10	246.20	Vt;1%;Qak;Ra;;; **veinlet (1-5 mm) 1% quartz-ankerite random** Greyish-white qtz-ankerite veinlets to hairlines in irregular stockworks. Isolated incl of dk green chl.	232.50	234.00	R222490	1.50	0.079
			234.00	235.50	R222491	1.50	0.14
			235.50	237.00	R222492	1.50	0.097
			237.00	238.50	R222493	1.50	0.18
			238.50	240.00	R222494	1.50	0.121
			240.00	241.50	R222495	1.50	0.096
			241.50	243.00	R222496	1.50	0.073
			243.00	244.50	R222497	1.50	0.138

Description			Assay				
			From	To	Sample number	Length	AuBest
244.00	250.50	Py00.5	244.50	246.00	R222498	1.50	0.401
		Pyrite 0.5%	246.00	247.50	R222499	1.50	1.095
		Fg disseminated to fracture-controlled.					
246.20	247.00	Vn;5%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite random					
		White to grey translucent ankerite-qtz veining. Smaller irregular qtz-ankerite veinlets and hairlines with selected incl of dk green chl cross-cutting unit.					
247.00	272.50	Vt;2%;Qac;Ra;;;	247.50	249.00	R222502	1.50	0.882
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random	249.00	250.50	R222503	1.50	1.27
		Greyish-white to dk green qtz-ankerite-chl veinlets to hairlines in irregular stockworks.					
250.50	256.50	Py00.2	250.50	252.00	R222504	1.50	0.821
		Pyrite 0.2%	252.00	253.50	R222505	1.50	0.587
		Fg disseminated to fracture-controlled.	253.50	255.00	R222506	1.50	0.375
			255.00	256.50	R222507	1.50	0.146
256.50	262.50	Py00.5	256.50	258.00	R222508	1.50	0.329
		Pyrite 0.5%	258.00	259.50	R222509	1.50	0.394
		Fg disseminated to fracture-controlled.	259.50	261.00	R222510	1.50	0.325
			261.00	262.50	R222511	1.50	0.227
262.50	270.00	Py01	262.50	264.00	R222512	1.50	0.191
		Pyrite 1%	264.00	265.50	R222513	1.50	0.384
		Fg disseminated to fracture-controlled.	265.50	267.00	R222514	1.50	0.156
			267.00	268.50	R222515	1.50	0.149
			268.50	270.00	R222516	1.50	0.219
270.00	272.35	Py02; Cp00.1	270.00	271.50	R222517	1.50	1.66
		Pyrite 2%; Chalcopyrite 0.1%	271.50	272.35	R222518	0.85	0.143
		Fg to f-mg disseminated to fracture-controlled py. Isolated vein controlled chalcopyrite.	272.35	273.00	R222519	0.65	0.013
272.50	276.00	Py00.1					
		Pyrite 0.1%					
		Fg disseminated to fracture controlled py restricted to wall rock.					
272.50	279.00	Vm;25%;Ak;Ra;;;	273.00	273.75	R222520	0.75	0.02
		major vein (10 cm or greater) 25% ankerite random	273.75	274.50	R222521	0.75	0.012
		Massive greyish milky white ankerite veining with minor qtz. Sharp but irregular margins brecciating wall rock. Veining is barren.	274.50	276.00	R222522	1.50	0.038
276.00	280.50	Py00.5	276.00	277.50	R222523	1.50	0.141
		Pyrite 0.5%	277.50	278.15	R222524	0.65	0.062
		Fg disseminated to fracture controlled py.	278.15	279.00	R222527	0.85	0.013

Description			Assay				
			From	To	Sample number	Length	AuBest
279.00	287.92	Vn;5%;Ak;Ra;;; **vein (5 mm - 10 cm) 5% ankerite random** Greyish to milky-white ankerite veining with minor qtz. Irregular and brecciated. Few cross-cutting greyish qtz veinlets at low angle tca.	279.00	280.50	R222528	1.50	0.094
280.50	286.50	Py01 **Pyrite 1%** Fg disseminated to fracture controlled py.	280.50	282.00	R222529	1.50	0.15
			282.00	283.50	R222530	1.50	0.133
			283.50	285.00	R222531	1.50	0.253
			285.00	286.50	R222532	1.50	0.14
286.50	288.00	Py02 **Pyrite 2%** Fg disseminated to fracture controlled py.	286.50	288.00	R222533	1.50	0.176
287.92	292.35	3D; Phan; Oph **Diabase 70°; PHANERITIC; OPHITIC** Med to dk green diabase dyke. Strong chloritization of fg groundmass. Pervasive moderate sericitization of fg eu-subhedral plag crystals. Moderate selective interstitial ankerite alteration. Weak selective magnetism. Weak ophitic texture. Isolated f-mg euhedral hexagonal chl pseudomorphs of augite phenos. Sharp ctcs with rafting at upper and lower margins. Greyish-white qtz-ankerite veining causing slight brecciation. Non mineralized.					
287.92	292.35	Cl03; Ank02; Se02 **Chlorite 3; Ankerite 2; Sericite 2** Strong pervasive chl with moderate selective ankerite. Moderate pervasive sericitization of plag crystals.					
287.92	292.35	Vn;3%;Qak;Ra;;; **vein (5 mm - 10 cm) 3% quartz-ankerite random** White to greyish qtz-ankerite veining. Irregular and cross-cutting. Low to high angle tca.	288.00	289.50	R222534	1.50	0.017
			289.50	291.00	R222535	1.50	0.011
291.00	292.50	Py00.2 **Pyrite 0.2%** Fg disseminated to fracture controlled py within trachyte.	291.00	292.50	R222536	1.50	0.194
292.35	301.25	V4; Per; Bx **Trachyte; PERLITIC; Brecciated** Med red trachyte brecciated to flow banded with minor med green diabase intrusions. Trachyte is strongly potassic altered with a glassy perlitic texture. Moderate interstitial ankerite infilling the microfractures. Core is selectively rubbley and broken. Greyish to white qtz-ankerite veining with selective brecciation of wall rock. Dk green chloritic veinlets and hairlines infilling brecciated patches. 0.5 to 1 pct fg py within trachytic rock.					
292.35	301.25	K03; Ank02; Cl03 **Potassic 3; Ankerite 2; Chlorite 3** Strong potassic alteration of glassy trachyte fragments. Moderate selective ankerite alteration. Isolated veining to dyklets of strongly chloritized mafic unit.					
292.35	297.60	Vt;2%;Qac;Ra;;; **veinlet (1-5 mm) 2% quartz-ankerite-chlorite random** Greyish white to dk green qtz-ankerite-chl veinlets to hairlines. Irregular and stockworked. Selectively brecciating wall rock.					

Description			Assay				
			From	To	Sample number	Length	AuBest
292.50	295.50	Py00.5	292.50	294.00	R222537	1.50	0.254
		Pyrite 0.5%	294.00	295.50	R222538	1.50	0.126
		Fg disseminated to fracture controlled py.					
295.50	298.50	Py01	295.50	297.00	R222539	1.50	0.157
		Pyrite 1%	297.00	298.50	R222540	1.50	0.139
		Fg disseminated to fracture controlled py.					
297.60	301.25	Vn;15%;;;;;	298.50	300.00	R222541	1.50	0.016
		vein (5 mm - 10 cm) 15%	300.00	301.50	R222542	1.50	0.034
		Greyish-white qtz-ankerite-chl veining. Low to high angle tca. Brecciating wall rock. Veins are barren.					
301.25	311.20	3D; Phan; Oph					
		Diabase; PHANERITIC; OPHITIC					
		Med to dk green diabase dyke. Massive and homogenous. Strong chloritization of fg groundmass. Pervasive moderate sericitization of fg eu-subhedral plag crystals. Weak to moderate selective interstitial ankerite alteration. Weak patchy magnetism at upper ctc becoming moderate and pervasive downhole. Weak ophitic texture. Sharp ctcs. Chloritic clayey gouge at upper ctc low angle tca. Greyish-white qtz-ankerite-chl veining with localized brecciation of wall rock. Traces of chalcopyrite within qtz-ankerite veining.					
301.25	311.20	Cl03; Ank02; Se02; Mgt02					
		Chlorite 3; Ankerite 2; Sericite 2; Magnetite 2					
		Strong pervasive chl alteration. Selective weak to moderate ankerite. Moderate pervasive sericitization of plag crystals. Patchy to pervasive moderate magnetite.					
301.25	313.20	Vn;3%;Qac;Ra;;;	301.50	303.00	R222543	1.50	0.01
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random	303.00	304.50	R222544	1.50	0.008
		White to greyish and dk green qtz-ankerite veining with selective dk green chl incl. Selective brecciation of wall rock. Cross-cutting veinlets. Low to high angle tca. Selected incl of chalcopyrite.	304.50	306.00	R222545	1.50	<0.005
			306.00	307.50	R222546	1.50	0.01
307.50	309.00	Cp00.1	307.50	309.00	R222547	1.50	0.007
		Chalcopyrite 0.1%	309.00	310.50	R222548	1.50	0.005
		Isolated vein controlled blebs of chalcopyrite.					
310.50	312.00	Py00.2	310.50	312.00	R222549	1.50	0.078
		Pyrite 0.2%					
		Fg disseminated to fracture controlled py within trachyte.					
311.20	318.10	V4; FlBand; Per					
		Trachyte 40°; FLOWBANDED; PERLITIC					
		Med red to brownish-beige trachyte. Sharp ctcs. Aphanitic glassy groundmass with perlitic texture. Non-continuous and patchy flow-banding within unit. Strong potassic alteration with moderate selective ankerite. Irregular patches of moderate to strong chl-magnetite alteration as distinct layers within flow-banding. Selective mm displacement along fractures cross-cutting flow bands. Irregular qtz-ankerite veinlets with selected incl of dk green chl forming irregular stockworks with selective brecciation of wall rock. 0.1 to 0.5 pct fg py disseminated to fracture controlled. Traces of vein controlled chalcopyrite.					
		brecciated to flow banded with minor med green diabase intrusions. Trachyte is strongly potassic altered with a					

Description			Assay				
			From	To	Sample number	Length	AuBest
		glassy perlitic texture. Moderate interstitial ankerite infilling the microfractures. Core is selectively rubbley and broken. Greyish to white qtz-ankerite veining with selective brecciation of wall rock. Dk green chloritic veinlets and hairlines infilling brecciated patches. 0.5 to 1 pct fg py within trachytic rock.					
311.20	318.10	K03; Ank02; Cl03; Mgt02 **Potassic 3; Ankerite 2; Chlorite 3; Magnetite 2** Strong selective potassic alteration with moderate ankerite and patches of dk green chl. Isolated patches of moderate magnetism.					
312.00	313.50	Py00.5; Cp00.1 **Pyrite 0.5%; Chalcopyrite 0.1%** Fg disseminated to fracture controlled py. Isolated vein controlled chalcopyrite.	312.00	313.50	R222552	1.50	0.172
313.20	318.10	Vt;3%;Qac;Ra;;; **veinlet (1-5 mm) 3% quartz-ankerite-chlorite random** Greyish-white to dk green qtz-ankerite-chl veinlets. Selectively irregular and cross-cutting.					
313.50	318.00	Py00.1 **Pyrite 0.1%** Fg fracture controlled py.	313.50 315.00 316.50 318.00	315.00 316.50 318.00 319.50	R222553 R222554 R222555 R222556	1.50 1.50 1.50 1.50	0.508 0.572 1.13 0.019
318.10	325.10	3D; Phan; Oph **Diabase 10°; PHANERITIC; OPHITIC** Med to dk green diabase dyke. Massive and homogenous with sharp ctcs. Fg chill margins at both ctcs. Strong chloritization of fg groundmass. Pervasive moderate sericitization of fg eu-subhedral plag crystals. Weak to moderate selective interstitial ankerite alteration. Moderate pervasive magnetism. Weak ophitic texture. Greyish-white qtz-ankerite-chl veining with localized brecciation of wall rock. Selected alteration halos around veinlets. Non mineralized.					
318.10	325.10	Cl03; Ank02; Mgt02; Se02 **Chlorite 3; Ankerite 2; Magnetite 2; Sericite 2** Strong pervasive chloritization with weak to moderate selective ankerite. Moderate pervasive magnetism. Moderate selective sericitization of plag crystals.	319.50 321.00 322.50	321.00 322.50 324.00	R222557 R222558 R222559	1.50 1.50 1.50	0.008 0.008 0.005
318.10	324.66	Vt;1%;Qak;Ra;;; **veinlet (1-5 mm) 1% quartz-ankerite random** Greyish qtz-ankerite veinlets with selective alteration halos.					
324.00	325.50	Py00.1 **Pyrite 0.1%** Fg disseminated to fracture controlled py within trachyte.	324.00	325.50	R222560	1.50	0.019
324.66	325.05	Vn;35%;Qak;Ra;;; **vein (5 mm - 10 cm) 35% quartz-ankerite random** Greyish-white to pale pinkish qtz-ankerite veining. Brecciating wall rock. Selective smaller veinlets with dk green chl incl. Barren.					
325.10	339.50	V4; Lithic; Per **Trachyte 30°; LITHIC; PERLITIC**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Med red to pinkish trachyte. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration. Pervasive microfracturing infilled with moderate ankerite alteration. Greyish qtz-ankerite veinlets and hairlines cross-cutting wall rock with selected incl of dk green chl. 5 to 10 pct greyish-beige lithic fragments of small to med size with pervasive ankerite alteration. Mineralized with 0.2-1 pct fg fracture controlled py. Trace blebs of vein controlled chalcopyrite. Sharp ctcs.					
325.10	339.50	K03; Ank02					
		Potassic 3; Ankerite 2					
		Strong potassic alteration with interstitial moderate to strong ankerite alteration.					
325.10	339.50	Vt;2%;Qac;Ra;;;					
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random					
		Greyish-white qtz-ankerite veinlets with selective incl of dk green chl. Irregular and cross-cutting.					
325.50	327.00	Py00.5	325.50	327.00	R222561	1.50	0.14
		Pyrite 0.5%					
		Fg disseminated to fracture controlled py.					
327.00	330.00	Py00.2	327.00	328.50	R222562	1.50	0.101
		Pyrite 0.2%	328.50	330.00	R222563	1.50	0.125
		Fg fracture controlled py.					
330.00	331.50	Py00.5	330.00	331.50	R222564	1.50	0.292
		Pyrite 0.5%					
		Fg disseminated within selected patches.					
331.50	336.00	Py01	331.50	333.00	R222565	1.50	0.661
		Pyrite 1%	333.00	334.50	R222566	1.50	0.506
		Fg disseminated within selected patches.	334.50	336.00	R222567	1.50	0.46
336.00	337.50	Py01; Cp00.1	336.00	337.50	R222568	1.50	0.291
		Pyrite 1%; Chalcopyrite 0.1%					
		Fg py disseminated within selected patches. Isolated vein controlled chalcopyrite.					
337.50	339.00	Py00.5	337.50	339.00	R222569	1.50	0.106
		Pyrite 0.5%	339.00	340.50	R222570	1.50	0.052
		Fg py disseminated within selected patches.					
339.50	346.50	3D; Phan; Oph					
		Diabase 20°; PHANERITIC; OPHITIC					
		Med to dk green fg to f-mg diabase dyke. Massive and homogenous with sharp ctcs. Fg chill margins at both ctcs. Strong chloritization of fg groundmass. Moderate selective interstitial ankerite alteration. Moderate pervasive magnetism within massive section. Non magnetic where brecciated. Weak sericitization of fg eu-subhedral plag crystals. Weak ophitic texture. Greyish-white qtz-ankerite-chl veining with major veins and flooding from 344m to lower ctc. Selected incl of orangy-pink barite within veining. Non mineralized.					
339.50	346.50	Cl03; Mgt02; Ank02; Se01					
		Chlorite 3; Magnetite 2; Ankerite 2; Sericite 1					
		Strong pervasive chloritization. Selective moderate magnetism in massive section. Moderate selective ankerite alteration. Weak to moderate selective sericitization of plag crystals.					

Description			Assay				
			From	To	Sample number	Length	AuBest
339.50	346.50	Vm;15%;Qac;Ra;;; **major vein (10 cm or greater) 15% quartz-ankerite-chlorite random** Greyish-white qtz-ankerite veining with dk green chl incl. Veins at low angle tca - sub-parallel. Few major veins brecciating wall rock - zone of broken and rubbley core. Minor incl of orangy-pink barite.	340.50 342.00 343.50 345.00	342.00 343.50 345.00 346.50	R222571 R222572 R222573 R222574	1.50 1.50 1.50 1.50	0.008 <0.005 <0.005 0.008
346.50	349.15	V4; Lithic; Per **Trachyte; LITHIC; PERLITIC** Med red trachyte. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration. Pervasive microfracturing infilled with moderate ankerite alteration. Isolated clusters of greyish angular lithic fragments of small to med size with pervasive ankerite alteration. Selective dk green chl rimming of lithic clasts. Greyish qtz-ankerite veinlets and hairlines cross-cutting wall rock with selected incl of dk green chl. Mineralized with 0.2 pct fg py disseminated within selected patches. Distinct ctcs. Brecciation and broken core at upper ctc.					
346.50	349.15	K03; Ank02 **Potassic 3; Ankerite 2** Strong pervasive potassic alteration with moderate to strong interstitial ankerite.					
346.50	349.50	Py00.2 **Pyrite 0.2%** Fg py disseminated within selected patches.	346.50 348.00	348.00 349.50	R222577 R222578	1.50 1.50	0.182 0.083
346.50	349.15	Vn;4%;Qac;Ra;;; **vein (5 mm - 10 cm) 4% quartz-ankerite-chlorite random** Greyish to dk green qtz-ankerite-chl veins to veinlets. Irregular to cross-cutting.					
349.15	350.90	3D; Oph **Diabase 30°; OPHITIC** Med to dk green fg to f-mg diabase dyke. Massive and homogenous with sharp ctcs. Fg chill margins at both ctcs. Strong chloritization of fg groundmass. Moderate selective interstitial ankerite alteration. Moderate pervasive magnetism. Weak to moderate selective epidote alteration. Moderate selective hematite alteration. Weak ophitic texture. Few greyish qtz-ankerite veinlets with alteration halos. Non mineralized.					
349.15	350.90	Cl03; Mgt02; Ep02; He02 **Chlorite 3; Magnetite 2; Epidote 2; Hematite 2** Strong to intense pervasive chloritization. Moderate to strong pervasive magnetism. Weak to moderate interstitial epidote alteration. Moderate selective hematite alteration.					
349.15	350.90	Vt;1%;Qak;Ra;;; **veinlet (1-5 mm) 1% quartz-ankerite random** Few qtz-ankerite veinlets to hairlines with alteration halos.	349.50	351.00	R222579	1.50	0.017
350.90	426.10	V4; Per **Trachyte 5°; PERLITIC** Med red to pinkish trachyte. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration. Pervasive microfracturing infilled with moderate to strong ankerite alteration. Trace isolated greyish angular lithic fragments with pervasive ankerite alteration. Selected patches of hydrothermal brecciation. Major milky white to greyish ankerite veins throughout unit with smaller qtz-ankerite veins to veinlets and hairlines cross-cutting wall rock with selected incl of dk green chl. Mineralized with 0.2 to 4 pct fg py disseminated within					

Description			Assay				
			From	To	Sample number	Length	AuBest
		selected patches. Distinct ctcs.					
350.90	426.10	K03; Ank03; Cl02					
		Potassic 3; Ankerite 3; Chlorite 2					
		Strong potassic alteration with selective moderate to strong ankerite alteration. Isolated patches of moderate to strong dk green chl.					
351.00	355.50	Py00.5					
		Pyrite 0.5%					
		Fg py disseminated within selected patches.					
351.00	393.20	Vm;5%;Ak Qac;Ra;;;	351.00	352.50	R222580	1.50	0.095
		major vein (10 cm or greater) 5% ankerite quartz-ankerite-chlorite random	352.50	354.00	R222581	1.50	0.19
		Milky greyish-white ankerite veins with minor qtz and selective dk green chl. Major to minor veins and veinlets with selective brecciation of wall rock.	354.00	355.50	R222582	1.50	0.035
355.50	357.00	Py02	355.50	357.00	R222583	1.50	0.083
		Pyrite 2%					
		Fg py disseminated within selected patches.					
357.00	364.50	Py01	357.00	358.50	R222584	1.50	0.067
		Pyrite 1%	358.50	360.00	R222585	1.50	0.461
		Fg py disseminated within selected patches.	360.00	361.50	R222586	1.50	0.023
			361.50	363.00	R222587	1.50	0.069
			363.00	364.50	R222588	1.50	0.198
364.50	366.00	Py02	364.50	366.00	R222589	1.50	0.161
		Pyrite 2%					
		Fg py disseminated within selected patches.					
366.00	367.50	Py01	366.00	367.50	R222590	1.50	0.207
		Pyrite 1%					
		Fg py disseminated within selected patches.					
367.50	369.00	Py04	367.50	369.00	R222591	1.50	0.145
		Pyrite 4%					
		Fg py disseminated within selected patches.					
369.00	375.00	Py02	369.00	370.50	R222592	1.50	0.253
		Pyrite 2%	370.50	372.00	R222593	1.50	0.19
		Fg py disseminated within selected patches.	372.00	373.50	R222594	1.50	0.236
			373.50	375.00	R222595	1.50	0.123
375.00	388.50	Py04	375.00	376.50	R222596	1.50	0.177
		Pyrite 4%	376.50	378.00	R222597	1.50	0.17
		Fg py disseminated within selected patches.	378.00	379.50	R222598	1.50	0.213
			379.50	381.00	R222599	1.50	0.154
			381.00	382.50	R222602	1.50	0.195

Description			Assay				
			From	To	Sample number	Length	AuBest
			382.50	384.00	R222603	1.50	0.116
			384.00	385.50	R222604	1.50	0.06
			385.50	387.00	R222605	1.50	0.053
			387.00	388.50	R222606	1.50	0.194
388.50	390.00	Py02	388.50	390.00	R222607	1.50	0.062
		Pyrite 2%					
		Fg py disseminated within selected patches.					
390.00	393.00	Py01	390.00	391.50	R222608	1.50	0.069
		Pyrite 1%	391.50	393.00	R222609	1.50	0.067
		Fg py disseminated within selected patches.					
393.00	397.50	Py02	393.00	394.50	R222610	1.50	0.146
		Pyrite 2%					
		Fg py disseminated within selected patches.					
393.20	398.00	Vt;3%;Qak;Ra;;;	394.50	396.00	R222611	1.50	0.286
		veinlet (1-5 mm) 3% quartz-ankerite random	396.00	397.50	R222612	1.50	0.157
		Greyish-white qtz-ankerite veinlets. Irregular and cross-cutting. Isolated dk green chl hairlines to veinlets.					
397.50	403.50	Py00.5; Cp00.1	397.50	399.00	R222613	1.50	0.071
		Pyrite 0.5%; Chalcopyrite 0.1%					
		Fg py disseminated within selected patches and fracture controlled. Isolated blebs of vein controlled chalcopyrite.					
398.00	426.00	Vn;10%;Qak Cl;Ra;;;	399.00	400.50	R222614	1.50	0.068
		vein (5 mm - 10 cm) 10% quartz-ankerite chlorite random	400.50	402.00	R222615	1.50	0.099
		Large milky greyish-white qtz-ankerite veining. Selectively brecciating wall rock. Smaller veinlets and hairlines cross-cutting rock with selected incl of dk green chl. Larger veins are barren with respect to mineralization.	402.00	403.50	R222616	1.50	0.287
403.50	412.50	Py01; Cp00.05	403.50	405.00	R222617	1.50	0.066
		Pyrite 1%; Chalcopyrite 0.05%	405.00	406.50	R222618	1.50	0.037
		Fg py disseminated within selected patches and fracture controlled. Isolated blebs of vein controlled chalcopyrite.	406.50	408.00	R222619	1.50	0.125
			408.00	409.50	R222620	1.50	0.091
			409.50	411.00	R222621	1.50	0.056
			411.00	412.50	R222622	1.50	0.081
412.50	414.00	Py02	412.50	414.00	R222623	1.50	0.157
		Pyrite 2%					
		Fg py disseminated within selected patches and fracture controlled.					
414.00	423.00	Py01; Cp00.1	414.00	415.50	R222624	1.50	0.083
		Pyrite 1%; Chalcopyrite 0.1%	415.50	417.00	R222627	1.50	0.114
		Fg py disseminated within selected patches and fracture controlled. Isolated blebs of vein controlled chalcopyrite.	417.00	418.50	R222628	1.50	0.136

Description			Assay				
			From	To	Sample number	Length	AuBest
			418.50	420.00	R222629	1.50	0.058
			420.00	421.50	R222630	1.50	0.123
			421.50	423.00	R222631	1.50	0.207
423.00	424.50	Py00.5	423.00	424.50	R222632	1.50	0.116
		Pyrite 0.5%					
		Fg py disseminated within selected patches and fracture controlled.					
424.50	426.00	Py02; Cp00.1	424.50	426.00	R222633	1.50	0.258
		Pyrite 2%; Chalcopyrite 0.1%	426.00	427.50	R222634	1.50	0.007
		Fg py disseminated within selected patches and fracture controlled. Isolated blebs of vein controlled chalcopyrite.					
426.10	429.35	3D; Oph					
		Diabase 55°; OPHITIC					
		Med to dk green fg to f-mg diabase dyke. Massive and homogenous with sharp ctcs. Fg chill margins at both ctcs. Strong chloritization of fg groundmass. Moderate to strong selective ankerite alteration. Moderate sericitization of plag crystals. Weak to moderate selective magnetism. Weak ophitic texture. Fg to f-mg euhedral plagioclase intergrown with augite and magnetite. Few greyish qtz-ankerite veinlets with ankeritite alteration halos and select incl of orangy-pink barite. Non mineralized. Broken core at lower ctc.						
426.10	429.35	Ank03; Cl03; Se02; Mgt01					
		Ankerite 3; Chlorite 3; Sericite 2; Magnetite 1					
		Strong selective ankerite. Strong selective chl. Moderate sericitization of plag crystals. Weak to moderate selective magnetism.					
426.10	429.35	Vt;3%;Qak;Ra;;;	427.50	429.00	R222635	1.50	0.007
		veinlet (1-5 mm) 3% quartz-ankerite random					
		Greyish to white qtz-ankerite veinlets. Selectively with ankerite alteration halos. Selective incl of orangy-pink barite. Veinlets are cross-cutting and positioned at high to low angles tca.					
429.00	430.50	Py00.1	429.00	430.50	R222636	1.50	0.061
		Pyrite 0.1%					
		Fg py disseminated to fracture controlled within trachyte.					
429.35	484.65	V4; Lithic; Per					
		Trachyte; LITHIC; PERLITIC					
		Med red to greyish-red trachyte. Aphanitic glassy groundmass with perlitic texture. Strong potassic alteration. Pervasive microfracturing infilled with moderate to strong ankerite alteration. Selected zones of 10 to 20 pct greyish and ankeritized to red and potassic altered angular lithic fragments of small to coarse size. Fragments become larger and concentrated up to 30 pct with incl of greyish silicified fragments towards lower ctc. Selective dk green chl rimming of lithic frags. Isolated and irregular patches of dk grey-grey interstitial chl-magnetite alteration. Selective weak to moderate silicification towards lower ctc. Greyish to dk green qtz-ankerite-chl veinlets to hairlines cross-cutting wall rock with selected incl of hematite. Mineralized with 0.1 to 1 pct fg py disseminated within selected patches. Distinct ctcs.						
429.35	476.80	K03; Ank02; Cl01; Mgt01; He01					
		Potassic 3; Ankerite 2; Chlorite 1; Magnetite 1; Hematite 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Strong potassic alteration. Moderate to strong selective ankerite alteration. Isolated patches of moderate chl-magnetite alteration. Isolated hematite veinlets.					
429.35	433.50	Vn;10%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 10% quartz-ankerite random					
		Greyish-white translucent qtz veining with selected incl of ankerite. Trace dk green chl rimming. Minor selected brecciation of wall rock.					
430.50	435.00	Py00.2	430.50	432.00	R222637	1.50	0.057
		Pyrite 0.2%	432.00	433.50	R222638	1.50	0.09
		Fg py disseminated to fracture controlled.					
433.50	440.60	Vt;3%;Qac;Ra;;;	433.50	435.00	R222639	1.50	0.101
		veinlet (1-5 mm) 3% quartz-ankerite-chlorite random					
		Greyish-white to dk green qtz-ankerite-chl veinlets. Irregular and cross-cutting.					
435.00	436.50	Py00.5	435.00	436.50	R222640	1.50	0.088
		Pyrite 0.5%					
		Fg py disseminated within selected patches and fracture controlled.					
436.50	442.50	Py01	436.50	438.00	R222641	1.50	0.072
		Pyrite 1%	438.00	439.50	R222642	1.50	0.095
		Fg py disseminated within selected patches and fracture controlled.	439.50	441.00	R222643	1.50	0.07
440.60	450.00	Vt;3%;Qac;Ra;;Hem;	441.00	442.50	R222644	1.50	0.156
		veinlet (1-5 mm) 3% quartz-ankerite-chlorite random SPECULARITE					
		Greyish-white to dk green qtz-ankerite-chl veinlets with selected hematite. Irregular and cross-cutting.					
442.50	444.00	Py00.5	442.50	444.00	R222645	1.50	0.366
		Pyrite 0.5%					
		Fg py disseminated to fracture controlled.					
444.00	445.50	Py00.2	444.00	445.50	R222646	1.50	0.017
		Pyrite 0.2%					
		Fg py disseminated to fracture controlled.					
445.50	459.00	Py00.1	445.50	447.00	R222647	1.50	0.04
		Pyrite 0.1%	447.00	448.50	R222648	1.50	0.008
		Isolated fg py disseminated to fracture controlled.	448.50	450.00	R222649	1.50	0.011
450.00	460.35	Vt;3%;Qac;Ra;;;	450.00	451.50	R222652	1.50	0.07
		veinlet (1-5 mm) 3% quartz-ankerite-chlorite random	451.50	453.00	R222653	1.50	0.057
		Greyish to dk green ankerite-qtz-chl veinlets. Irregular and cross-cutting with localized stockworks.	453.00	454.50	R222654	1.50	0.016
		Isolated pinky-red veinlets.	454.50	456.00	R222655	1.50	0.012
			456.00	457.50	R222656	1.50	0.018
			457.50	459.00	R222657	1.50	0.042
459.00	462.00	Py00.2	459.00	460.50	R222658	1.50	0.054
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg py disseminated to fracture controlled.					
460.35	476.80	Vt;2%;Qac;Ra;;Hem;	460.50	462.00	R222659	1.50	0.091
		veinlet (1-5 mm) 2% quartz-ankerite-chlorite random SPECULARITE					
		Greyish-white to dk green qtz-ankerite-chl veinlets with selected hematite. Irregular and cross-cutting.					
462.00	465.00	Py00.5	462.00	463.50	R222660	1.50	0.051
		Pyrite 0.5%	463.50	465.00	R222661	1.50	0.034
		Fg py disseminated to fracture controlled.					
465.00	466.50	Py00.2	465.00	466.50	R222662	1.50	0.006
		Pyrite 0.2%					
		Fg disseminated to fracture controlled py.					
466.50	469.50	Py00.5	466.50	468.00	R222663	1.50	0.108
		Pyrite 0.5%	468.00	469.50	R222664	1.50	0.081
		Fg disseminated to fracture controlled py.					
469.50	475.50	Py00.1	469.50	471.00	R222665	1.50	0.007
		Pyrite 0.1%	471.00	472.50	R222666	1.50	0.03
		Fg disseminated to fracture controlled py.	472.50	474.00	R222667	1.50	0.016
			474.00	475.50	R222668	1.50	0.008
475.50	484.50	Py00.2	475.50	477.00	R222669	1.50	0.025
		Pyrite 0.2%					
		Fg disseminated to fracture controlled py.					
476.80	485.00	Ank03; K02; Si01	477.00	478.50	R222670	1.50	0.028
		Ankerite 3; Potassic 2; Silica 1	478.50	480.00	R222671	1.50	0.031
		Strong ankerite alteration with selective moderate to strong potassic alteration and weak to moderate	480.00	481.50	R222672	1.50	0.03
		patches of silicification.	481.50	483.00	R222673	1.50	0.02
476.80	483.00	Vn;3%;Qak;Ra;;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite random					
		Irregular greyish milky-white ankerite-qtz veins and veinlets. Selective pinky-red colouring. Isolated incl					
		of dk green chl.					
483.00	508.10	Vn;3%;Qac;Ra;;Hem;	483.00	484.50	R222674	1.50	0.046
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random SPECULARITE					
		Greyish-white to dk green qtz-ankerite-chl veins to veinlets and hairlines with selected hematite.					
		Irregular and cross-cutting.					
484.50	498.00	Py00.1	484.50	486.00	R222677	1.50	0.042
		Pyrite 0.1%					
		Fg disseminated to fracture controlled py.					
484.65	517.65	V4; PyroBx; Lithic					
		Trachyte; PYROCLASTIC (BRECCIA); LITHIC					
		Med red to greenish-grey trachyte. Moderate to strong selective ankerite alteration. Moderate selective					
		potassic alteration of glassy perlitic fragments. Moderate light to med green interstitial chloritization of fg					

Description			Assay				
			From	To	Sample number	Length	AuBest
		groundmass. Isolated weak and wispy sericite. Selective veinlets of magnetite. 15 to 20 pct fragments of glassy perlitic and potassic altered flow as well as ankerite and chl altered pumice. Fragments are sub-angular to lensoidal and selectively oriented within a weak lineation. Large greyish white ankerite veins with qtz and feldspar incl as well as dk green chl rimming running at low angle tca. Qtz-ankerite-chl veinlets to hairlines with selected hematite cross-cutting unit. Trace to 0.5 pct fg fracture contolled py. Trace vein controlled chalcopyrite. Patch of deep red lithic flow unit with gradational ctcs into pyroclastics.					
485.00	517.65	Ank02; K02; Cl02; Se01; Mgt01	486.00	487.50	R222678	1.50	0.063
		Ankerite 2; Potassic 2; Chlorite 2; Sericite 1; Magnetite 1	487.50	489.00	R222679	1.50	0.087
		Moderate to strong selective ankerite alteration. Moderate selective potassic alteration. Weak to strong selective dk green interstitial chl. Weak isolated interstitial sericite. Isolated veinlets of magnetite.	489.00	490.50	R222680	1.50	0.182
			490.50	492.00	R222681	1.50	0.06
			492.00	493.50	R222682	1.50	0.051
			493.50	495.00	R222683	1.50	0.017
			495.00	496.50	R222684	1.50	0.016
			496.50	498.00	R222685	1.50	0.032
498.00	502.50	Py00.5	498.00	499.50	R222686	1.50	0.593
		Pyrite 0.5%	499.50	501.00	R222687	1.50	0.296
		Fg disseminated to fracture controlled py.	501.00	502.50	R222688	1.50	0.027
502.50	504.00	Py00.2	502.50	504.00	R222689	1.50	0.035
		Pyrite 0.2%	504.00	505.50	R222690	1.50	0.024
		Fg disseminated to fracture controlled py.	505.50	507.00	R222691	1.50	0.031
507.00	508.50	Py00.1	507.00	508.50	R222692	1.50	0.039
		Pyrite 0.1%					
		Fg fracture controlled py.					
508.10	511.80	Vn;20%;Qak Cl;Ra;;Hem;	508.50	510.00	R222693	1.50	0.181
		vein (5 mm - 10 cm) 20% quartz-ankerite chlorite random SPECULARITE	510.00	511.50	R222694	1.50	0.024
		Milky-white lg ankerite veins with qtz and felspar incl. Low angle tca. Selective dk green chl rimming. Qtz-ankerite-chl with some hematite veinlets and hairlines cross-cutting unit.	511.50	513.00	R222695	1.50	0.022
511.80	519.00	Vn;4%;Qac;Ra;;Hem;	513.00	514.50	R222696	1.50	0.022
		vein (5 mm - 10 cm) 4% quartz-ankerite-chlorite random SPECULARITE					
		Greyish-white to dk green and pinky-red qtz-ankerite-chl and feldspar veins to veinlets and hairlines with selected hematite incl. Irregular and cross-cutting. Selectively undulose.					
514.50	516.00	Cp00.1	514.50	516.00	R222697	1.50	0.023
		Chalcopyrite 0.1%					
		Isolated blebs of vein controlled chalcopyrite.					
516.00	520.50	Py00.2	516.00	517.50	R222698	1.50	0.105
		Pyrite 0.2%	517.50	519.00	R222699	1.50	0.011
		Fg disseminated to fracture controlled py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
517.65	546.30	V4; PyroTuff					
		Trachyte 60°; PYROCLASTIC (TUFFACEOUS)					
		Pale to med greyish-green. Fg chloritized groundmass with moderate to strong selective ankerite and weak to moderate interstitial sericite. Pumice fragments are typically lensoidal and fine to coarse size and faintly visible with pervasive chl-ankerite-sericite alteration. These pumice fragments are often oriented along lineation of rock and suspended within groundmass. Veining is ankerite dominant with qtz and selected k-spar incl as well as isolated incl of dk green chl and hematite. Qtz-ankerite-chl-hematite veinlets and hairlines cross-cut the unit. Trace isolated weak magnetism. Trace to 0.2 pct fg fracture controlled py. Gradational transition between pumice rich pyroclastic and underlying zone of reddish glassy-perlitic angular fragments.					
517.65	546.30	Ank02; Cl02; Se02; He01; Fu01					
		Ankerite 2; Chlorite 2; Sericite 2; Hematite 1; Fuchsite 1					
		Moderate to strong selective ankerite alteration. Moderate pervasive light to med green chl. Weak to moderate interstitial sericite with increasing intensity downhole. Isolated veinlets and blebs of hematite. Traces of interstitial fuchsite.					
519.00	525.00	Vn;2%;Cc;Ra;;Hem;	519.00	520.50	R222702	1.50	0.026
		vein (5 mm - 10 cm) 2% calcite-chlorite random SPECULARITE					
		Pinky-white calcite veins and veinlets with dk green chl rimming. Selected incl of hematite. Isolated brecciation of wall rock.					
520.50	525.00	Py00.1	520.50	522.00	R222703	1.50	0.015
		Pyrite 0.1%	522.00	523.50	R222704	1.50	0.012
		Fg fracture controlled py.	523.50	525.00	R222705	1.50	0.071
525.00	542.60	Vn;20%;Qac;Ra;;Hem;	525.00	526.50	R222706	1.50	0.03
		vein (5 mm - 10 cm) 20% quartz-ankerite-chlorite random SPECULARITE	526.50	528.00	R222707	1.50	0.024
		Milky-white to greyish ankerite veining with qtz and chl incl. Minor nodules and veinlets of hematite. Selective brecciation of wall rock. Low angle tca. Irregular. Qtz-ankerite-chl-hematite veinlets and hairlines cross-cutting unit.	528.00	529.50	R222708	1.50	0.014
			529.50	531.00	R222709	1.50	0.016
			531.00	532.50	R222710	1.50	0.009
			532.50	534.00	R222711	1.50	0.009
			534.00	535.50	R222712	1.50	0.01
			535.50	537.00	R222713	1.50	0.036
			537.00	538.50	R222714	1.50	0.026
			538.50	540.00	R222715	1.50	0.007
			540.00	541.50	R222716	1.50	<0.005
541.50	543.00	Py00.1	541.50	543.00	R222717	1.50	0.016
		Pyrite 0.1%					
		Fg fracture controlled py.					
542.60	549.60	Vn;3%;Qac;Ra;;Hem;	543.00	544.50	R222718	1.50	0.012
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random SPECULARITE	544.50	546.00	R222719	1.50	0.01
		Greyish-white to dk green qtz-ankerite-chl and hematite veins to veinlets and hairlines. Irregular and					

Description			Assay				
			From	To	Sample number	Length	AuBest
		cross-cutting.					
546.00	549.00	Py00.1	546.00	547.50	R222720	1.50	0.021
		Pyrite 0.1%					
		Fg fracture controlled.					
546.30	556.80	V4; PyroBx; Per					
		Trachyte 20°; PYROCLASTIC (BRECCIA); PERLITIC					
		Pinky-red to med greyish-green. Fg ankerite-chl-sericite altered groundmass with moderate to strong potassic alteration of glassy perlitic fragments. Transitional ctcs. Fragments are angular to sub-angular and fine to coarse with no sorting. Ankerite-qtz veining with selected incl of k-spar as well as dk green chl and hematite. Trace isolated patches of weak to moderate magnetism. Trace to 0.5 pct fg fracture controlled py.					
546.30	556.80	Ank03; K02; Cl02; Se01; Mgt01; He01	547.50	549.00	R222721	1.50	0.012
		Ankerite 3; Potassic 2; Chlorite 2; Sericite 1; Magnetite 1; Hematite 1					
		Strong selective ankerite alteration. Moderate to strong selective potassic alteration of glassy fragments. Moderate interstitial med to dk green chl alteration. Weak to moderate isolated and wispy interstitial sericite - increasing in conc and intensity downhole. Isolated patches of weak magnetism. Isolated blebs and veinlets of hematite.					
549.00	552.00	Py00.5	549.00	549.60	R222722	0.60	0.48
		Pyrite 0.5%					
		Fg fracture controlled.					
549.60	549.95	Vm;80%;Qak;Ra;;;	549.60	550.10	R222723	0.50	0.255
		major vein (10 cm or greater) 80% quartz-ankerite random					
		Milky greyish-white ankerite dominant vein with qtz and f-spar incl. Trace dk green chl and hematite. Wall rock surrounding vein is strongly mineralized with f-mg py.					
549.95	562.70	Vn;2%;Qac;Ra;;Hem;	550.10	551.00	R222724	0.90	0.011
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite random SPECULARITE	551.00	552.00	R222727	1.00	0.016
		Greyish-white to dk green qtz-ankerite-chl and hematite veins to veinlets. Irregular and spread out.	552.00	553.50	R222728	1.50	0.007
			553.50	555.00	R222729	1.50	0.008
			555.00	556.50	R222730	1.50	0.005
			556.50	558.00	R222731	1.50	<0.005
556.80	566.40	V4; PyroTuff					
		Trachyte 20°; PYROCLASTIC (TUFFACEOUS)					
		Pale to med greyish-green. Fg ankerite-sericite-chl altered groundmass with fine to coarse suspended pumice fragments oriented along weak lineation. Pumice fragments are typically lensoidal and fine to coarse size and faintly visible with pervasive chl-ankerite-sericite alteration. Minor ankerite-qtz veining with some k-felds as well as chl and hematite incl. Weak selected magnetism. Trace fg py. Gradational transition with zone of reddish glassy-perlitic angular fragments.					
556.80	566.40	Ank02; Se02; Cl02; He01; Mgt01	558.00	559.50	R222732	1.50	0.008
		Ankerite 2; Sericite 2; Chlorite 2; Hematite 1; Magnetite 1	559.50	561.00	R222733	1.50	<0.005
		Moderate to strong selective ankerite alteration. Moderate interstitial sericitization. Moderate pervasive light to med green chl. Isolated veinlets and blebs of hematite. Isolated patches of weak magnetism.	561.00	562.50	R222734	1.50	0.009

Description			Assay				
			From	To	Sample number	Length	AuBest
			562.50	564.00	R222735	1.50	0.007
563.75	571.25	Vt;4%;Qac;Ra;;Hem;	564.00	565.50	R222736	1.50	0.005
		veinlet (1-5 mm) 4% quartz-ankerite-chlorite random SPECULARITE	565.50	567.00	R222737	1.50	0.008
		Greyish to pinky-orange qtz-ankerite veinlets with k-spar. Selected incl of dk green chl and hematite. Irregular and cross-cutting.					
566.40	579.10	V4; PyroBx; Per					
		Trachyte; PYROCLASTIC (BRECCIA); PERLITIC					
		Pinky-red to med greyish-green. Fg ankerite-sericite-chl altered groundmass with moderate to strong potassic alteration of glassy perlitic fragments. Fragments are angular to sub-angular and fine to coarse with no sorting. Ankerite-qtz veining with selected incl of k-spar. Trace isolated patches of weak magnetism. Trace to 0.2 pct fg fracture controlled py. Gradational transition with pumice rich pyroclastic.					
566.40	579.10	Ank03; K02; Se02; Cl01; Mgt01; He01	567.00	568.50	R222738	1.50	0.009
		Ankerite 3; Potassic 2; Sericite 2; Chlorite 1; Magnetite 1; Hematite 1					
		Strong selective ankerite alteration. Moderate selective potassic alteration. Moderate interstitial sericitization. Weak to moderate interstitial light to med green chl. Isolated patches of weak to moderate magnetism. Isolated veinlets and blebs of hematite.					
568.50	574.50	Py00.2	568.50	570.00	R222739	1.50	0.023
		Pyrite 0.2%	570.00	571.50	R222740	1.50	0.026
		Fg fracture controlled.					
571.25	586.50	Vn;3%;Qak;Ra;;;	571.50	573.00	R222741	1.50	0.018
		vein (5 mm - 10 cm) 3% quartz-ankerite random	573.00	574.50	R222742	1.50	0.016
		Milky-greyish white qtz-ankerite and k-felds veins to veinlets. Irregular and undulatory with selective stockworks. Generally oriented within lineation of wall rock.					
574.50	582.00	Py00.1	574.50	576.00	R222743	1.50	0.041
		Pyrite 0.1%	576.00	577.50	R222744	1.50	0.018
		Fg fracture controlled.	577.50	579.00	R222745	1.50	0.029
			579.00	580.50	R222746	1.50	0.014
579.10	675.00	V4; PyroTuff	580.50	582.00	R222747	1.50	0.015
		Trachyte 15°; PYROCLASTIC (TUFFACEOUS)	582.00	583.50	R222748	1.50	0.015
		Pale to med greyish-green. Fg ankerite-sericite-chl altered groundmass with fine to coarse suspended pumice fragments oriented along weak lineation. Weak to moderate interstitial calcite alteration appearing downhole together with decrease in sericite conc and intensity. Pumice fragments are typically lensoidal and fine to coarse size and faintly visible with pervasive chl-ankerite-sericite alteration. Ankerite-qtz veining with some k-felds as well as chl and hematite incl. Qtz-ankerite-chl-hematite veinlets cross-cutting unit. Pink calcite veining appearing downhole. Moderate pervasive foliation with weak S-C fabrica appearing downhole - ctc with underlying deformed volcano-sedimentary package. Magnetism weak and patchy becoming moderate and pervasive downhole. Trace to selectively 0.5 pct fg vein controlled py.	583.50	585.00	R222749	1.50	0.01
			585.00	586.50	R222752	1.50	0.006
			586.50	588.00	R222753	1.50	0.011
579.10	594.00	Ank03; Se02; Cl01; Fu01					
		Ankerite 3; Sericite 2; Chlorite 1; Fuchsite 1					
		Strong pervasive ankerite with moderate to strong sericitization. Weak interstitial light green chl					

Description			Assay				
			From	To	Sample number	Length	AuBest
		alteration. Traces of very weak interstitial fuchsite.					
587.40	595.40	Vn;2%;Qak;Ra;;Hem;	588.00	589.50	R222754	1.50	0.009
		vein (5 mm - 10 cm) 2% quartz-ankerite random SPECULARITE	589.50	591.00	R222755	1.50	0.006
		Greyish milky-white ankerite veining with minor qtz incl as well as hematite nodules. Undulatory. Oriented within general lineation of wall rock.					
591.00	592.50	Py00.1	591.00	592.50	R222756	1.50	0.037
		Pyrite 0.1%	592.50	594.00	R222757	1.50	0.007
		Fg fracture controlled.					
594.00	627.45	Ank03; Cl02; Se02; Mgt01; He01	594.00	595.50	R222758	1.50	0.008
		Ankerite 3; Chlorite 2; Sericite 2; Magnetite 1; Hematite 1					
		Moderate to strong selective ankerite alteration. Moderate pervasive med green chl. Moderate to strong interstitial sericite. Isolated patches of weak to moderate magnetism. Isolated veinlets and blebs of hematite.					
595.40	605.00	Vn;4%;Qac;Ra;;Hem;	595.50	597.00	R222759	1.50	0.01
		vein (5 mm - 10 cm) 4% quartz-ankerite-chlorite random SPECULARITE	597.00	598.50	R222760	1.50	0.008
		Greyish milky-white ankerite veining with minor qtz incl and selective dk green chl as well as hematite	598.50	600.00	R222761	1.50	0.009
		nodules. Undulatory. Irregular to oriented within general lineation of wall rock. Dk green chl-hematite	600.00	601.50	R222762	1.50	0.005
		veinlets and hairlines cross-cutting unit.	601.50	603.00	R222763	1.50	0.017
			603.00	604.50	R222764	1.50	0.011
			604.50	606.00	R222765	1.50	0.014
605.85	627.30	Vn;3%;Qac;Ra;;Mg;	606.00	607.50	R222766	1.50	0.008
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite random Magnetite	607.50	609.00	R222767	1.50	<0.005
		Greyish-white ankerite veining with qtz and trace k-spar. Locally with thick veins of magnetite and	609.00	610.50	R222768	1.50	0.006
		surrounded by fine py.	610.50	612.00	R222769	1.50	0.005
			612.00	613.50	R222770	1.50	0.011
613.50	615.00	Py00.5	613.50	615.00	R222771	1.50	0.019
		Pyrite 0.5%	615.00	616.50	R222772	1.50	0.006
		Isolated conc of fg vein controlled py.	616.50	618.00	R222773	1.50	0.007
			618.00	619.50	R222774	1.50	<0.005
619.50	621.00	Py00.5	619.50	621.00	R222777	1.50	0.009
		Pyrite 0.5%	621.00	622.50	R222778	1.50	0.006
		Isolated patches of fg vein controlled py.					
622.50	625.50	Py00.1	622.50	624.00	R222779	1.50	0.076
		Pyrite 0.1%	624.00	625.50	R222780	1.50	0.242
		Fg vein controlled.					
625.50	627.00	Py00.2	625.50	627.00	R222781	1.50	0.371
		Pyrite 0.2%	627.00	628.50	R222782	1.50	0.032

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fg vein controlled.					
627.30	673.00	Vn;3%;Qcr;Ra;;;					
		vein (5 mm - 10 cm) 3% quartz-carbonate random					
		White to beige to pink calcite and ankerite veining with qtz and selective dk green chl. Selectively boudinaged. Irregular to parallel to fabric of wall rock.					
627.45	637.50	Ank02; Se02; Cl02; Mgt02; Ca01; He01	628.50	630.00	R222783	1.50	0.005
		Ankerite 2; Sericite 2; Chlorite 2; Magnetite 2; Calcite 1; Hematite 1	630.00	631.50	R222784	1.50	0.005
		Moderate selective ankerite alteration. Moderate interstitial sericite-chl alteration. Moderate disseminated magnetite. Weak to moderate interstitial calcite. Isolated grains of hematite.	631.50	633.00	R222785	1.50	0.009
			633.00	634.50	R222786	1.50	0.008
			634.50	636.00	R222787	1.50	0.01
636.00	637.50	Py00.1	636.00	637.50	R222788	1.50	0.018
		Pyrite 0.1%					
		Fg vein controlled.					
637.50	652.00	Ank02; Cl02; Mgt02; Se01	637.50	639.00	R222789	1.50	0.008
		Ankerite 2; Chlorite 2; Magnetite 2; Sericite 1	639.00	640.50	R222790	1.50	0.005
		Moderate selective ankerite. Moderate pervasive med green chloritization. Moderate disseminated magnetite. Weak interstitial sericite.	640.50	642.00	R222791	1.50	0.008
			642.00	643.50	R222792	1.50	<0.005
			643.50	645.00	R222793	1.50	<0.005
			645.00	646.50	R222794	1.50	0.006
			646.50	648.00	R222795	1.50	0.007
			648.00	649.50	R222796	1.50	<0.005
			649.50	651.00	R222797	1.50	<0.005
			651.00	652.50	R222798	1.50	0.005
652.00	675.00	Cl03; Mgt02; Ank01; Ca01; Se01	652.50	654.00	R222799	1.50	<0.005
		Chlorite 3; Magnetite 2; Ankerite 1; Calcite 1; Sericite 1	654.00	655.50	R222802	1.50	<0.005
		Strong pervasive med green chloritization. Moderate disseminated magnetite. Weak interstitial ankerite and calcite alteration. Weak to moderate interstitial at upper ctc disappearing downhole.	655.50	657.00	R222803	1.50	<0.005
			657.00	658.50	R222804	1.50	0.006
			658.50	660.00	R222805	1.50	<0.005
			660.00	661.50	R222806	1.50	0.009
			661.50	663.00	R222807	1.50	0.006
			663.00	664.50	R222808	1.50	<0.005
			664.50	666.00	R222809	1.50	<0.005
			666.00	667.50	R222810	1.50	<0.005
			667.50	669.00	R222811	1.50	<0.005
			669.00	670.50	R222812	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			670.50	672.00	R222813	1.50	<0.005
			672.00	673.50	R222814	1.50	<0.005
			673.50	675.00	R222815	1.50	<0.005
673.90	674.47	Vm;80%;Qcr;Ra;;; **major vein (10 cm or greater) 80% quartz-carbonate random** White to beige and pink ankerite vein with minor calcite and qtz. Selectively rimmed with dk green chl. Barren.					
675.00		**End of DDH** **Number of samples: 408** **Number of QAQC samples: 36** **Total sampled length: 609.50**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_98

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: Gilles Kamta

From: 26/05/2014
To: 11/06/2014

Description date: 11/06/2014

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 512.92 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,388.175
North	0.0	0.000	5,331,197.523
Elevation	0.0	0.000	340.425

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	60.00	1.6°	-50.7°	No	Mag = 55461
ReflexEZS	120.00	0.2°	-51.4°	No	Mag = 55580
ReflexEZS	180.00	2.3°	-49.5°	No	Mag = 54502
ReflexEZS	240.00	0.5°	-49.2°	No	Mag = 55642
ReflexEZS	300.00	3.0°	-47.6°	No	Mag = 55742
ReflexEZS	360.00	6.9°	-45.9°	No	Mag = 54210
ReflexEZS	420.00	9.0°	-34.2°	Yes	Mag = 55146
ReflexEZS	480.00	13.1°	-44.1°	No	Mag = 54475

Description

Re_logging br Reza Hosseinnejad

Core size: NQ
Cemented: No
Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	45.65	OVB						
		Overburden						
		Casing						
45.60	46.85	Vm;90%;Qtz;In;60°;Py00.1;						
		major vein (10 cm or greater) 90% white quartz infilled fractures 60°						
		White quartz vein with ultramafic fragments						
45.65	57.35	4U		45.65	46.85	R221613	1.20	<0.005
		Ultramafic 70°						
		The hole start with a massive whitish quartz vein that contains fragments of ultramafic rock. Traces of ankerite alteration is observe, the ultramafic is altered to ankerite, green carbonates and talc. The unit is non magnetite, traces of euhedral pyrite on the ultramafic fragments.						
		then the hole goes into greenish weak to moderate foliated @40-80 dtca, intersect by quartz-ankerite veins and veinlets 20-80 dtca, the unit is altered to chlorite and ankerite, talc, Is non magnetic with localized green carbonate. Mineralization consists of irregularly disseminated euhedral pyrite trace to 0.5%.						
		The unit is intersect by 5-20 cm @60-70 dtca cracked pinkish trachyte flow with pyrite stringers veinlets up to 1%						
45.65	46.85	Si03; Cl01; Ank						
		Silica 3; Chlorite 1; Ankerite						
		Quartz veins with patchy chlorite alteration, traces of ankerite						
46.85	57.35	Cl03; Talc02; Ank01						
		Chlorite 3; Talc 2; Ankerite 1						
		Strong chlorite alteration, moderate talc, weak ankerite						
46.85	57.35	Fln		46.85	48.00	R221614	1.15	0.023
		Foliation 70°		48.00	49.50	R221615	1.50	0.009
		weak to moderate fotiation		49.50	51.00	R221616	1.50	<0.005
				51.00	52.50	R221617	1.50	<0.005
				52.50	54.00	R221618	1.50	0.005
				54.00	55.50	R221619	1.50	<0.005
55.50	56.50	Py00.7		55.50	56.50	R221620	1.00	0.193
		Pyrite 0.7%		56.50	57.35	R221621	0.85	<0.005
		stringer pyrite une trachyte fragments						
57.35	66.00	QVZ; Mass		57.35	58.50	R221622	1.15	0.013
		Quartz Vein Zone 30°; Massive						
		Massive milk sterile-looking quartz vein cutting by two other unit. Mineralized pinkish trachytic flow (57.35-57.90) with cracks fill of pyrite and greenish, some fracture are rusty (iron carbonates) and ultramafic fragments with ankerite alteration, green carbonates and little talc, trace of euhedral Pyrite.						
57.35	57.85	MI						
		Mafic Intrusion 70°						

Description			Assay				
			From	To	Sample number	Length	AuBest
		Massive pinkish fine grained mafic intrusion with cracked fill of pyrite, moderate potassic alteration, some quartz veinlets with specularite, pyrite up to 1%					
57.35	58.90	K02					
		Potassic 2					
		Patchy potassic alteration iin the white quartz vein					
57.90	66.00	Vm;80%;Qtz;In;70°;Py00.2;					
		major vein (10 cm or greater) 80% white quartz infilled fractures 70°					
		A series of massive whitish quartz veins that contain fragments of ultramafic rock. Traces of ankerite alteration is observe, the ultramafic is altered to ankerite, green carbonates and talc. traces to 0.5% pyrite in the trachyte fragments.					
58.50	59.60	Py05	58.50	59.60	R221623	1.10	<0.005
		Pyrite 5%					
		Fiine grained pyrite and euhedral pyrite.					
58.90	66.00	Cl02					
		Chlorite 2					
		Moderate to strong patchy chlorite alteration in the quartz veins					
59.60	61.00	Py00.5	59.60	61.00	R221624	1.40	0.013
		Pyrite 0.5%	61.00	62.47	R221627	1.47	<0.005
		fine grained pyrite	62.47	64.00	R221628	1.53	<0.005
64.00	65.00	Py00.5	64.00	65.00	R221629	1.00	0.008
		Pyrite 0.5%					
65.00	66.00	Py00.5	65.00	66.00	R221630	1.00	<0.005
		Pyrite 0.5%					
		euhedral pyrite					
66.00	75.30	V4a; Mass	66.00	67.30	R221631	1.30	0.014
		Trachyte Altered 70°; Massive					
		Sharp contact @ 65dtca marks the beiginning of this massive fine grained pinkish to lightly pink trachyte flow with localized whitish feldspar phenoes. It shows moderate pervasive potassic-ankerite alteration, the unit is strongly magnetic and mineralized 0.5-2% euhedral and fine grained pyrite. The lower unit @74.43-75.30m is moderately silicified with dark chlorite and specularite					
		The unit is intersect by 15- 50 cm mafic intrusion @ 67.30-68 m @ 50 dtca and 20-73 cm greenish aphanitic ultramafic unit with moderate to strong magnetism, talc chlorite alteration, calcite veinlets @70-80 dtca.					
66.00	74.43	K02; Cl02; Ank02; Mgt03; Si03					
		Potassic 2; Chlorite 2; Ankerite 2; Magnetite 3; Silica 3					
		moderatePotassic ankerite alteration, moderate chlorite in the ultramafic unit, moderate to strong magnetism, s					
66.00	67.30	Py01					
		Pyrite 1%					
		fine grained and euhedral pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
66.00	72.00	Vn;3%;Qak;In;60°;Py00.2; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60°** White quartz veins with traces of ankerite					
67.30	68.10	MI **Mafic Intrusion 50°** Green to pinkish green mafic intrusion with some feldspar phenoes, fine to medium grained, moderately magnetic, weak potasic alteration moderately altered to chlorite, traces to 0.5% pyrite lower contact gradational transition to pinkish trachyte.					
67.30	69.00	Py00.5 **Pyrite 0.5%** fine grained and euhedral py	67.30	69.00	R221632	1.70	<0.005
69.00	70.50	Py00.5 **Pyrite 0.5%** fine grained py	69.00	70.50	R221633	1.50	0.007
70.50	72.00	Py01 **Pyrite 1%** Fine grained and euhedral py dissaminated or infilled fractures	70.50	72.00	R221634	1.50	<0.005
72.00	73.18	Py00.5 **Pyrite 0.5%** fine grained pyrite	72.00	73.18	R221635	1.18	<0.005
73.18	74.43	Fln **Foliation 70°** Moderate folaition	73.18	74.43	R221636	1.25	<0.005
74.43	75.30	Si03; Ank02; He01 **Silica 3; Ankerite 2; Hematite 1** pervasive silicification, spotty ankerite, weak to moderate hematite/ potassic alteration	74.43	75.30	R221637	0.87	0.005
75.30	110.63	4U; Fol **Ultramafic 70°; Foliated** With the sharp contact @ 70 dtca the hole goes back into ultramafic rock . It is dark green to blackish ultramafic flow aphanitic and weakly shows foliation @ 50-70 dtca, moderate to strong magnetism, weakly altered to chlorite and talc, calcite veinlets, moderate ankerite. Localized vuggy calcitic veinlets. The unit is regularly intersect by 10-20 cm pinkish trachyte flow and fault gouge 107-109 @ 70-80 dtca. It is mineralized trace to 0.5 % fine and euhedral pyrite disseminated or in the stringers-veinlets. From 81-84.5 the rock shows four isolated strong potassic and moderate calcite alteration wide 10-25 cm. This parts also highly mineralized by fine grained disseminated pyrite.	75.30 76.50 78.00	76.50 78.00 79.50	R221638 R221639 R221640	1.20 1.50 1.50	<0.005 <0.005 <0.005
75.30	79.50	Cl03; Talc02; He **Chlorite 3; Talc 2; Hematite** strong chlorite moderate ankerite, trace of hematite					
75.30	79.50	Fln **Foliation 60°**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		moderate foliation					
78.50	81.00	MI					
		Mafic Intrusion 80°					
		Dark green overprinted pink, fine grained mafic intrusion with weak foliation, some strongly altered to					
		calcite, strongly magnetic, fine grained and euhedral pyrite 0.5%					
79.50	87.00	Cl03; K02; Mgt02; Ca01					
		Chlorite 3; Potassic 2; Magnetite 2; Calcite 1					
		moderate to strong pervasive chlorite, moderate pervasive potassic and ankerite alteration,					
		spotty calcite					
79.50	87.00	Fln	79.50	81.00	R221641	1.50	<0.005
		Foliation 60°					
		weak foliation					
79.50	81.00	Py00.5; Cp00.2					
		Pyrite 0.5%; Chalcopyrite 0.2%					
		fine grained and euheudral pyrite					
81.00	82.50	Py00.5					
		Pyrite 0.5%					
		Massive pyrite localized in veins					
81.00	85.00	Vn;10%;Cr;In;60°;Py00.5;	81.00	82.50	R221642	1.50	<0.005
		vein (5 mm - 10 cm) 10% carbonate infilled fractures 60°					
		pinkish carbonates veins with potassic alteration and localized massive pyrite					
82.50	84.00	Py00.5	82.50	84.00	R221643	1.50	<0.005
		Pyrite 0.5%					
		fine grained					
84.00	85.50	Py00.5	84.00	85.50	R221644	1.50	<0.005
		Pyrite 0.5%	85.50	87.00	R221645	1.50	<0.005
		fine grained					
87.00	110.63	Cl02; Talc02; Ca01; Mgt	87.00	88.50	R221646	1.50	<0.005
		Chlorite 2; Talc 2; Calcite 1; Magnetite	88.50	90.00	R221647	1.50	<0.005
		Moderate chlorite talc alteration, patch chlorite	90.00	91.50	R221648	1.50	<0.005
			91.50	93.00	R221649	1.50	<0.005
87.00	108.34	Fln					
		Foliation 80°					
		Moderate foliation					
93.00	94.50	Py00.5	93.00	94.50	R221652	1.50	<0.005
		Pyrite 0.5%	94.50	96.00	R221653	1.50	<0.005
		euhedral and fine grained	96.00	97.50	R221654	1.50	<0.005
			97.50	99.00	R221655	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
99.00	110.63	Vn;30%;Qak;In;70°;;	99.00	100.50	R221656	1.50	<0.005
		vein (5 mm - 10 cm) 30% quartz-ankerite infilled fractures 70°	100.50	102.00	R221657	1.50	<0.005
		Ankerite- Quartz veins and veinlets	102.00	103.50	R221658	1.50	<0.005
			103.50	105.00	R221659	1.50	<0.005
			105.00	106.50	R221660	1.50	<0.005
			106.50	108.00	R221661	1.50	<0.005
			108.00	109.50	R221662	1.50	<0.005
108.34	109.00	Gg					
		Fault gouge 70°					
		zone with localized faut gouge					
109.00	110.63	Fln					
		Foliation 70°					
		moderate foliation					
109.50	110.63	Py00.7	109.50	110.63	R221663	1.13	0.014
		Pyrite 0.7%					
		Euheudral and fine grained pyrite 0.5-1% locally					
110.63	121.45	V4a; Mass; Por	110.63	112.00	R221664	1.37	<0.005
		Trachyte Altered 80°; Massive; Porphyritic					
		Pinkish to pale pink trachyte flow fine grained, locally intersect by 5-10 cm greenish ultramafic layers.The rock shows weak to moderate silicification, pinkish potassic alteration, 1% fine and euhedral pyrite. From 116-121.45 m contains whitish phenoes cryste 1-2 mm, pseudo bedding of differential potassic alteration. Quartz-ankerite veins and veinlets, some dark chlorite stringers veinlets 1% disseminated and euhedral pyrite.					
110.63	113.00	Si02; K02; Cl01; Ank01					
		Silica 2; Potassic 2; Chlorite 1; Ankerite 1					
		Moderate pervasive silicification, weak to moderate potassic alteration, ankerite weak					
112.00	113.00	Py00.5	112.00	113.00	R221665	1.00	<0.005
		Pyrite 0.5%					
		fine grained					
113.00	124.45	K02; Si02; Ank02; Cl01	113.00	114.00	R221666	1.00	<0.005
		Potassic 2; Silica 2; Ankerite 2; Chlorite 1	114.00	115.50	R221667	1.50	0.011
		Moderate potassic alteration, weak ankerite, dark green chlorite,	115.50	117.00	R221668	1.50	0.022
			117.00	118.50	R221669	1.50	0.036
			118.50	120.00	R221670	1.50	0.021
			120.00	121.45	R221671	1.45	0.02
113.00	114.00	Py00.5					
		Pyrite 0.5%					
		fine grained					

Description			Assay				
			From	To	Sample number	Length	AuBest
121.45	139.00	4U; Fol; Bnd					
		Ultramafic 90°; Foliated; Banded					
		Dark green ultramafic foliated, moderate to strong foliation 70-90 dg/ca, locally intersect by pinkish potassic altered trachyte 5-20 cm, locallized white quartz ankerite veins an veinlets, altered to chlortite and talc, the unit is spotty magnetic, traces of pyrite as mineralisation					
121.45	139.00	Fln	121.45	123.00	R221672	1.55	<0.005
		Foliation 80°	123.00	124.50	R221673	1.50	0.009
		moderate to strong foliation					
121.45	137.00	Vn;5%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70°					
		Quartz ankerite veins and veinlets					
124.45	126.00	Cl03; K02; Talc02; Mgt01					
		Chlorite 3; Potassic 2; Talc 2; Magnetite 1					
		Localized potassic alteration in trachytic layers intercting the ultramafic					
124.50	126.00	Py00.5	124.50	126.00	R221674	1.50	0.005
		Pyrite 0.5%					
		euhedral pyrite diss or infilled foliation.					
126.00	139.00	Cl03; Talc02; Mgt01	126.00	127.50	R221677	1.50	<0.005
		Chlorite 3; Talc 2; Magnetite 1	127.50	129.00	R221678	1.50	<0.005
			129.00	130.50	R221679	1.50	0.009
			130.50	132.00	R221680	1.50	<0.005
			132.00	133.50	R221681	1.50	<0.005
			133.50	135.00	R221682	1.50	<0.005
			135.00	136.50	R221683	1.50	<0.005
136.50	138.00	Py00.5	136.50	138.00	R221684	1.50	0.021
		Pyrite 0.5%					
		fine graine pyrite in the quartz vein					
137.15	137.60	Vm;97%;Qac;In;30°;Py00.5;					
		major vein (10 cm or greater) 97% quartz-ankerite-chlorite infilled fractures 30°					
		Massive white quartz-carbonates-chlorite veins with fragments of ultraamafic, lower contact with diss py					
138.00	139.00	Py00.5	138.00	139.00	R221685	1.00	0.005
		Pyrite 0.5%					
		traces					
139.00	143.33	V4a; Bnd					
		Trachyte Altered 80°; Banded					
		Pinkish trachyte,fine grained banded by alteration alterning 1-4 cm potassic-chlorite alteration, the unit is intersect by white quartz-Ankerite-chlorite veins 30 cm / Ca. Weak-moderate silicification, mineralized 0.5-1% fine grained pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
139.00	143.33	K02; Si02; Cl01; Mgt03	139.00	140.00	R221686	1.00	0.82
		Potassic 2; Silica 2; Chlorite 1; Magnetite 3					
		Moderate to strong potassic and silica alteration, dark green chlorite in some layers.					
139.70	143.00	Vm;10%;Qac;In;30°;Py00.2;	140.00	141.00	R221687	1.00	0.059
		major vein (10 cm or greater) 10% quartz-ankerite-chlorite infilled fractures 30°	141.00	142.00	R221688	1.00	0.132
		white quartz-ankerite-chlorite	142.00	143.33	R221689	1.33	0.034
143.33	175.75	4U; Fol	143.33	144.50	R221690	1.17	<0.005
		Ultramafic 70°; Foliated					
		Dark green ultramafic fine grained, moderate foliation 60-70 dtca, moderately altered to chlorite-ankerite and talc, green carbonates/ fuchsite @ 153.90-155.30 m. the unit altering low and high magnetism, some quartz-ankerite veins and veinlets 60 dtca. It is mineralized trace to 5% euhedral and fine grained massive pyrite vein. A pyrite vein runs the unit between @ 162.90-163.05 m.					
143.33	153.00	Cl03; Talc02; Ank02; Mgt01					
		Chlorite 3; Talc 2; Ankerite 2; Magnetite 1					
		Moderate to strong chlorite-talc-ankerite alteration, trace moderate of magnetism					
144.00	147.00	Vn;3%;Qac;In;60°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite-chlorite infilled fractures 60°					
		quartz-ankerite-chlorite veins and veinlets					
144.33	151.90	Fln	144.50	145.50	R221691	1.00	<0.005
		Foliation 70°	145.50	147.00	R221692	1.50	<0.005
		Moderate to strong fotiation	147.00	148.50	R221693	1.50	<0.005
			148.50	150.00	R221694	1.50	<0.005
			150.00	151.50	R221695	1.50	<0.005
			151.50	153.00	R221696	1.50	<0.005
151.90	174.70	Fln					
		Foliation 80°					
		moderate to stron foliation					
153.00	156.00	Ank03; Cl03; Fu02; Talc02; Mgt01					
		Ankerite 3; Chlorite 3; Fuchsite 2; Talc 2; Magnetite 1					
		Moderate to strong ankerite-cchlorite-fuchsite, talc					
153.00	168.00	Vn;5%;Qak Py;In;80°;Py00.2;	153.00	154.50	R221697	1.50	0.009
		vein (5 mm - 10 cm) 5% quartz-ankerite pyrite infilled fractures 80°	154.50	156.00	R221698	1.50	<0.005
		White quartz-ankerite vein and ankerite veinlets withs traces of pyrite					
156.00	175.75	Ank02; Cl02; Talc02; Mgt01	156.00	157.50	R221699	1.50	<0.005
		Ankerite 2; Chlorite 2; Talc 2; Magnetite 1					
156.00	157.50	Py00.5					
		Pyrite 0.5%					
		Euhedral and fine grained pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
157.50	159.00	Py00.5 **Pyrite 0.5%** Euhedral pyrite	157.50	159.00	R221702	1.50	<0.005
159.00	160.50	Py00.5 **Pyrite 0.5%** Euhedral pyrite	159.00 160.50	160.50 162.00	R221703 R221704	1.50 1.50	0.006 0.011
162.00	163.50	Py07 **Pyrite 7%** Massive pyrite 5-10%	162.00 163.50 165.00 166.50	163.50 165.00 166.50 168.00	R221705 R221706 R221707 R221708	1.50 1.50 1.50 1.50	0.023 0.006 <0.005 <0.005
168.00	172.00	Vn;3%;Ak;In;80°;; **vein (5 mm - 10 cm) 3% ankerite infilled fractures 80°** Ankerite veins ans veinlets	168.00 169.50 171.00 172.50 174.00	169.50 171.00 172.50 174.00 175.50	R221709 R221710 R221711 R221712 R221713	1.50 1.50 1.50 1.50 1.50	<0.005 <0.005 <0.005 <0.005 <0.005
174.70	176.30	Gg; Fln **Fault gouge 70°; Foliation** Localized fault gouge(176-176.10 cm) and fragments with moderate foliation	175.50	176.75	R221714	1.25	<0.005
175.75	180.60	V4; --V4T-- **Trachyte 70°; Trachytic tuff** The unit is alterning trachyte flow and tuff. The trachyte flow is fine grained greenish grey to yellowish overprinted by slightly pink color, flow bedding 30-60 dg/Ca (lock like fine grained lapilli tuff) can be observe. strongly magnetic, it's altered moderately to ankerite-chlorite and weak potassic alteration. Mineralized 0.5-1% pyrite in veins or disseminated. The ultramafic is greenish grey fine grained with some localized yellowy-pinkish trachytic fragments brecciating the unit. The magnetism is weak. It's slightly altered to chlorite, talc and ankerite, mineralized traces to 0.5% of fine grained or euhedral pyrite.					
175.75	180.20	K02; Ank02; Cl02; Talc02; Se01; Mgt03 **Potassic 2; Ankerite 2; Chlorite 2; Talc 2; Sericite 1; Magnetite 3** Localized pervasive potassic alteration in the trachyte flow, sericite, chlorite and talc(ultamafic layers.					
176.75	178.50	Py00.5 **Pyrite 0.5%** fine grained pyrite irr diss	176.75	178.50	R221715	1.75	0.011
177.50	177.80	Bxh **Breccia healed** breaccia with trachyte fragments					
178.50	180.00	Py00.5 **Pyrite 0.5%** Fine grained and euhedral py diss	178.50	180.00	R221716	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
180.00	181.50	Py00.5	180.00	181.50	R221717	1.50	<0.005
		Pyrite 0.5%					
		Fine grained and euhedral py diss					
180.20	185.90	Cl02; Talc02; Ca01					
		Chlorite 2; Talc 2; Calcite 1					
		Moderate talc and chlorite alteration, calcite localized on veins and veinlets					
180.60	185.90	4U; Fol					
		Ultramafic 60°; Foliated					
		Fine grained ultramafic, green grey, weakly magnetic, moderately altered to chlorite-talc- ankerite, localized vuggy calcite veinlets.with traces of pyrite.					
180.60	186.00	Fln	181.50	183.00	R221718	1.50	<0.005
		Foliation 60°	183.00	184.50	R221719	1.50	<0.005
		weak foliation	184.50	185.90	R221720	1.40	<0.005
185.90	187.00	3L; Mass					
		Lamprophyre 90°; Massive					
		Sharp upper and lower contact @ 85 dtca, Fine grained pale grey with overprinted pink color lamprophyre dyke, feldspar groundmass contains 20-25% biotite/ amphibole, strongly altered to calcite, weak potassic alteration, intense pervasive magnetic, no of pyrite mineralization.					
185.90	187.00	Ca03; K02; Cl01					
		Calcite 3; Potassic 2; Chlorite 1					
		Intense pervasive calcite alteration, moderate potassic alteration, weak chlorite					
185.90	187.00	Py00.5	185.90	187.00	R221721	1.10	0.006
		Pyrite 0.5%					
		fine graine pyrite					
187.00	201.74	4U; Mass					
		Ultramafic 50°; Massive					
		Dark grey ultramafic, fine grained, ankerite and chlorite veins and veinlets sub // Ca or 60-90 dg/ca, intense magnetism, localized fracture with fault gouge, traces of pyrite as mineralisation.					
187.00	201.74	Cl02; Talc02; Mgt02	187.00	188.00	R221722	1.00	<0.005
		Chlorite 2; Talc 2; Magnetite 2	188.00	189.00	R221723	1.00	<0.005
		Moderate chlorite-tacl alteration	189.00	190.50	R221724	1.50	<0.005
			190.50	192.00	R221727	1.50	<0.005
191.00	195.00	Vn;3%;Cr Cl;In;80°;;	192.00	193.50	R221728	1.50	<0.005
		vein (5 mm - 10 cm) 3% carbonate chlorite infilled fractures 80°	193.50	195.00	R221729	1.50	<0.005
		Carbonates-chlorite veis and veinlets 70- sub // Ca					
194.77	198.00	Gg; JtSS	195.00	196.50	R221730	1.50	<0.005
		Fault gouge 70°; Joint with slickensides	196.50	198.00	R221731	1.50	<0.005
		Joints and fault gouge with fragments of ultramafic rocks	198.00	199.50	R221732	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			199.50	200.70	R221733	1.20	<0.005
			200.70	201.74	R221734	1.04	<0.005
201.68	201.74	Gg					
		Fault gouge 90°					
		Contact between ultramafic and trachyte green gouge and fragments from ultramafic					
201.74	254.50	V4a; Mass	201.74	203.00	R221735	1.26	0.152
		Trachyte Altered 90°; Massive					
		A narrow gouge fault @90 dtca marks the beginnng of this fine grained pink-pinkish green trachytic flow, fine grained,fragmental localized micro breccias, very hard and moderately silicificied, moderate to strong potassic alteration, moderate pervasive ankerite, patchy weak- moderate sericite and albitit, the unit is spotty weak-moderate magnetic, some chalcopyrite in quartz ankerite vein @ 30 -60 dg/ Ca. It's mineralized 0.5-5% euhedral and fine grained pyrite disseminated.					
201.74	220.50	K03; Si01; Se01; Cl01					
		Potassic 3; Silica 1; Sericite 1; Chlorite 1					
		Pervasive moderate to strong potassic alteration, spotty sericite and silicification, localized chlorite veinlets					
201.74	203.00	Py02					
		Pyrite 2%					
		fine grained and euhedral py					
203.00	204.00	Py01	203.00	204.00	R221736	1.00	0.269
		Pyrite 1%					
		fine grained and euhedral py diss or in fractures					
204.00	205.50	Py00.5	204.00	205.50	R221737	1.50	0.21
		Pyrite 0.5%					
		infilled veilnlets					
205.50	207.00	Py00.5	205.50	207.00	R221738	1.50	0.235
		Pyrite 0.5%					
		infilled veinlets					
207.00	208.50	Py01; Cp00.2	207.00	208.50	R221739	1.50	<0.005
		Pyrite 1%; Chalcopyrite 0.2%					
		fine grained py disseminated, chalcopyrite in veins					
207.00	207.50	Vn;2%;Sgq Ak;In;70°;Py00.5;					
		vein (5 mm - 10 cm) 2% smoky grey quartz ankerite infilled fractures 70° Pyrite 0.5%					
		smoky grey- ankerite quartz vein					
207.50	208.50	Vn;2%;Sgq;In;;Cp00.2;					
		vein (5 mm - 10 cm) 2% smoky grey quartz infilled fractures Chalcopyrite 0.2%					
		Quarttz vein with chalcopyrite					
208.50	210.00	Py05	208.50	210.00	R221740	1.50	0.199
		Pyrite 5%					
		fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
208.50	209.00	Vn;5%;Sgq;In;50°;Py00.5;					
		vein (5 mm - 10 cm) 5% smoky grey quartz infilled fractures 50° Pyrite 0.5%					
		smoky grey quartz with fine grained pyrite					
210.00	211.50	Py05	210.00	211.50	R221741	1.50	0.733
		Pyrite 5%					
		Fine grained and euhedral pyrite					
211.50	213.00	Py03	211.50	213.00	R221742	1.50	0.49
		Pyrite 3%					
		fine grained pyrite diss					
213.00	214.50	Py02	213.00	214.50	R221743	1.50	0.483
		Pyrite 2%					
		fine grained pyrite diss					
214.50	216.00	Py05	214.50	216.00	R221744	1.50	0.534
		Pyrite 5%					
		fine grained pyrite					
216.00	217.50	Py05	216.00	217.50	R221745	1.50	0.185
		Pyrite 5%					
		fine grained pyrite disseminated					
217.50	219.00	Py02	217.50	219.00	R221746	1.50	0.812
		Pyrite 2%					
		Fine graine and euhedral py diss					
219.00	220.50	Py03	219.00	220.50	R221747	1.50	0.285
		Pyrite 3%					
		euhedral and fine grained pyrite disseminated					
220.50	229.90	K03; Si02; Ank02; Se01	220.50	222.00	R221748	1.50	0.171
		Potassic 3; Silica 2; Ankerite 2; Sericite 1					
		Pervasive potassic alteration, intermittant moderate to stron silicification, weak to moderate sericite,					
		pervasive moderate ankerite					
220.50	222.00	Py03					
		Pyrite 3%					
		euhedral and fine grained pyrite disseminated					
222.00	223.50	Py02	222.00	223.50	R221749	1.50	0.565
		Pyrite 2%					
		euhedral and fine grained pyrite disseminated					
223.50	225.00	Py05	223.50	225.00	R221752	1.50	0.427
		Pyrite 5%					
		euhedral and fine grained pyrite disseminated					
225.00	226.50	Py05	225.00	226.50	R221753	1.50	1.045
		Pyrite 5%					
		euhedral and fine grained pyrite disseminated					

Description			Assay				
			From	To	Sample number	Length	AuBest
226.50	228.00	Py05 **Pyrite 5%** euhedral and fine grained pyrite disseminated	226.50	228.00	R221754	1.50	0.811
228.00	229.50	Py04 **Pyrite 4%** euhedral and fine grained pyrite disseminated	228.00	229.50	R221755	1.50	0.912
229.50	231.00	Py04 **Pyrite 4%** euhedral and fine grained pyrite disseminated	229.50	231.00	R221756	1.50	0.498
229.90	237.75	K03; Si01; Ank02; Cl01; Se01 **Potassic 3; Silica 1; Ankerite 2; Chlorite 1; Sericite 1** Pervasive intense silicification, weak silicification, localized dark clorite @ 237-237.50 m, spotty sericite					
231.00	232.50	Py05 **Pyrite 5%** euhedral and fine grained pyrite disseminated	231.00	232.50	R221757	1.50	0.791
232.50	234.00	Py05 **Pyrite 5%** euhedral and fine grained pyrite disseminated	232.50	234.00	R221758	1.50	1.135
234.00	235.50	Py04 **Pyrite 4%** euhedral and fine grained pyrite disseminated	234.00	235.50	R221759	1.50	0.88
235.50	237.00	Py03 **Pyrite 3%** euhedral and fine grained pyrite disseminated	235.50	237.00	R221760	1.50	0.707
237.00	238.50	Py03 **Pyrite 3%** euhedral and fine grained pyrite disseminated	237.00	238.50	R221761	1.50	0.256
237.00	237.30	Vt;2%;Qak Cl;;60°;; **veinlet (1-5 mm) 2% quartz-ankerite chlorite 60°** quartz-ankerite chlorite veinlets with traces of pyrite					
237.75	242.00	K02; Se02; Ank02; Si01 **Potassic 2; Sericite 2; Ankerite 2; Silica 1** Pervasive moserate potassic-ankerite-sericite alteration, weak silicification, chlorite stringers					
238.50	240.00	Py02 **Pyrite 2%** euhedral and fine grained pyrite disseminated	238.50	240.00	R221762	1.50	2.62
240.00	241.50	Py03 **Pyrite 3%** euhedral and fine grained pyrite disseminated	240.00	241.50	R221763	1.50	0.941

Description			Assay				
			From	To	Sample number	Length	AuBest
241.50	243.00	Py01 **Pyrite 1%** euhedral and fine grained pyrite disseminated	241.50	243.00	R221764	1.50	0.824
242.00	264.00	K03; Ank02; Cl02; Se01 **Potassic 3; Ankerite 2; Chlorite 2; Sericite 1** Moderate to intense pervasive potassic-ankerite alteration, spotty chlorite-sericite,					
242.40	243.00	Vn;1%;Cl;In;20°;; **vein (5 mm - 10 cm) 1% chlorite infilled fractures 20°** small chlorite vein					
243.00	244.50	Py02 **Pyrite 2%** euhedral and fine grained pyrite disseminated	243.00	244.50	R221765	1.50	0.297
244.50	246.00	Py01 **Pyrite 1%** euhedral and fine grained pyrite disseminated	244.50	246.00	R221766	1.50	0.413
246.00	247.50	Py00.5 **Pyrite 0.5%** fine grained irregulary dissaminated	246.00	247.50	R221767	1.50	0.221
247.50	249.00	Py00.5 **Pyrite 0.5%** disseminated fine grained pyrite	247.50	249.00	R221768	1.50	0.248
249.00	250.50	Py01 **Pyrite 1%** euhedral and fine grained pyrite disseminated	249.00	250.50	R221769	1.50	0.33
250.50	252.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	250.50	252.00	R221770	1.50	0.108
252.00	253.50	Py00.7 **Pyrite 0.7%** fine grained pyrite irregulary disseminated	252.00	253.50	R221771	1.50	0.344
253.50	255.00	Py00.7 **Pyrite 0.7%** euhedral and fine grained pyrite disseminated	253.50	255.00	R221772	1.50	0.504
254.50	324.75	V4; Bx **Trachyte; Brecciated** Gradationally the hole goes into green to Pinkish trachyte flow strongly fragmented with micro breccias (264-270m m) and breccias. The unit shows beracciated and weak perlitic texture and contains few fractures that fill by hydrothermal veins and veinlets. This rock localized by feldspar phenoes (looks like red spotty trachyte) or crystals rich (307-325 m) and intersect by 5-10% quartz-ankerite-feldspar veins wide 1-10 mm @ variable orientation. Some of them strongly folded. Intense pervasive potassic alteration starts at 264m, chlorite	255.00	256.50	R221773	1.50	0.11

Description			Assay				
			From	To	Sample number	Length	AuBest
		stringers and veins wide 1-5mm variable orientation, selective spotty sericite alteration. A few hydrothermal veins run from 281.40-282.350. The unit is none to moderately magnetic.This interval mineralized up to 2% disseminated fine grained and euheadral pyrite.					
256.50	258.00	Vn;2%;Qak;In;70°;;	256.50	258.00	R221774	1.50	0.041
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 70°					
		Small quartz-ankerite					
258.00	261.00	Vn;5%;Qak;In;80°;;	258.00	259.50	R221777	1.50	0.052
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 80°	259.50	261.00	R221778	1.50	0.023
		White quartz-ankerite veins cut the unit @ variable orientation					
261.00	272.00	Vn;2%;Qak;In;70°;;	261.00	262.50	R221779	1.50	<0.005
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 70°	262.50	264.00	R221780	1.50	0.007
264.00	300.00	K02; Ank02; Cl01; Se01	264.00	265.50	R221781	1.50	0.014
		Potassic 2; Ankerite 2; Chlorite 1; Sericite 1	265.50	267.00	R221782	1.50	0.017
		Moderate pervasive potassic and sericite alteration, spotty weak to moderate chlorite-sericite,	267.00	268.50	R221783	1.50	0.017
268.50	270.00	Py00.5	268.50	270.00	R221784	1.50	0.01
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
270.00	271.50	Py00.5	270.00	271.50	R221785	1.50	0.027
		Pyrite 0.5%					
		euhedral and fine grained pyrite diss					
271.50	273.00	Py00.5	271.50	273.00	R221786	1.50	0.005
		Pyrite 0.5%					
		euhedral and fine grained pyrite diss					
272.00	274.00	Vn;1%;Cl;In;2°;;	273.00	274.50	R221787	1.50	0.006
		vein (5 mm - 10 cm) 1% chlorite infilled fractures 2°	274.50	276.00	R221788	1.50	<0.005
		chlorite veins // Ca					
276.00	277.50	Py00.5	276.00	277.50	R221789	1.50	0.015
		Pyrite 0.5%	277.50	279.00	R221790	1.50	<0.005
		euhedral and fine grained pyrite diss	279.00	280.50	R221791	1.50	<0.005
			280.50	282.00	R221792	1.50	0.015
			282.00	283.50	R221793	1.50	0.005
			283.50	285.00	R221794	1.50	<0.005
			285.00	286.50	R221795	1.50	0.015
			286.50	288.00	R221796	1.50	0.017
			288.00	289.50	R221797	1.50	0.018
			289.50	291.00	R221798	1.50	0.059
290.00	301.00	Vn;5%;Qak;In;70°;;	291.00	292.50	R221799	1.50	0.059

Description			Assay				
			From	To	Sample number	Length	AuBest
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70°	292.50	294.00	R221802	1.50	0.053
			294.00	295.50	R221803	1.50	0.058
			295.50	297.00	R221804	1.50	0.039
			297.00	298.50	R221805	1.50	0.055
			298.50	300.00	R221806	1.50	0.161
300.00	305.00	Se03; Ank03; Ank02; Cl01	300.00	301.50	R221807	1.50	0.077
		Sericite 3; Ankerite 3; Ankerite 2; Chlorite 1	301.50	303.00	R221808	1.50	0.07
		Pervasive moderate to intense sericite-ankerite alteration, moderate potassic, chlorite.					
303.00	304.50	Py00.5	303.00	304.50	R221809	1.50	0.081
		Pyrite 0.5%					
		Euhedral and fine grained disseminated pyrite					
304.50	306.00	Py01					
		Pyrite 1%					
		Euhedral and fine grained disseminated pyrite.					
304.50	307.00	Vn;5%;Qak;In;80°;Py00.2;	304.50	306.00	R221810	1.50	0.429
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 80° Pyrite 0.2%					
		Smokey grey quartsz vein					
305.00	306.50	Si02; Se02; K01; Ank02					
		Silica 2; Sericite 2; Potassic 1; Ankerite 2					
		Pervasive moderate silica-sericite-ankerite. Albite?					
306.00	307.50	Py01	306.00	307.50	R221811	1.50	0.086
		Pyrite 1%					
		Euhedral and fine grained pyrite diss					
306.50	354.70	K03; Ank02; Cl01; Se01	307.50	309.00	R221812	1.50	0.023
		Potassic 3; Ankerite 2; Chlorite 1; Sericite 1	309.00	310.50	R221813	1.50	0.009
		Intense pervasive potassic-ankerite alteration, spotty weak sericite chlorite	310.50	312.00	R221814	1.50	0.015
			312.00	313.50	R221815	1.50	0.01
			313.50	315.00	R221816	1.50	0.013
			315.00	316.50	R221817	1.50	0.007
			316.50	318.00	R221818	1.50	0.008
			318.00	319.50	R221819	1.50	0.015
			319.50	321.00	R221820	1.50	0.027
			321.00	322.50	R221821	1.50	0.012
			322.50	324.00	R221822	1.50	0.028
			324.00	325.50	R221823	1.50	0.041
324.75	354.70	V4vcic					
		trachytic volcaniclastic 50°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		From this point the abundance of angular to well round to sub rounded clasts increased up to 35%. The fine grained matrix support large clasts wide1 mm up to 7 cm. The color and shape of clasts is vary white, creamy, pink, red, green and grey. Red-pinkish volcanoclastic trachyte, fine grained matrix, The rock is moderate and intermittent magnetic and intense pervasive ankretic. Selective medium potassic, green chlorite in stringers and veinlets and selective weak sericite alteration. This interval mineralized by fine grained as well as and euhedral pyrite disseminated.					
325.50	327.00	Py00.5 **Pyrite 0.5%** fine grained disseminated pyrite	325.50	327.00	R221824	1.50	0.036
327.00	328.50	Py00.5 **Pyrite 0.5%** fine grained disseminated pyrite	327.00	328.50	R221827	1.50	0.043
328.50	330.00	Py00.5 **Pyrite 0.5%** fine grained disseminated pyrite	328.50	330.00	R221828	1.50	0.102
			330.00	331.50	R221829	1.50	0.073
331.50	333.00	Py00.5 **Pyrite 0.5%** fine grained disseminated pyrite	331.50	333.00	R221830	1.50	0.052
333.00	334.50	Py00.5 **Pyrite 0.5%** fine grained disseminated pyrite	333.00	334.50	R221831	1.50	0.077
			334.50	336.00	R221832	1.50	0.047
			336.00	337.50	R221833	1.50	0.07
			337.50	339.00	R221834	1.50	0.035
			339.00	340.50	R221835	1.50	0.008
340.50	342.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained disseminated pyrite.	340.50	342.00	R221836	1.50	0.051
342.00	343.50	Py00.5; Cp02 **Pyrite 0.5%; Chalcopyrite 2%** Fine grained diss pyrite as well as chalcopyrite in veins	342.00	343.50	R221837	1.50	0.018
			343.50	345.00	R221838	1.50	0.04
			345.00	346.50	R221839	1.50	0.027
			346.50	348.00	R221840	1.50	0.03
			348.00	349.50	R221841	1.50	0.015
			349.50	351.00	R221842	1.50	0.035
			351.00	352.50	R221843	1.50	0.02
			352.50	354.00	R221844	1.50	0.023
			354.00	355.50	R221845	1.50	0.005
354.70	374.07	Por; Vol **Porphyritic; VOLCANICLASTIC**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		With inter finger wide 70 cm clear contact the hole goes into pale grey greyish fine grained porphrytic trachytet flow. ground mass contains 5-10% isolated feldespar crystal that irregularly disseminated inside unit. From 364.60 the hole goes into mixed unit of volcano calsts and porphyritic texture. The unit contains locally some volcano clasts with different size (euhedral or rounded 0.5 mm-10 cm). The rock is strongly magnetic, altered to chlorite, strong pervasive ankerite.Pyrite mineralization is trace.					
354.70	400.00	Ank03; Cl03; K01 **Ankerite 3; Chlorite 3; Potassic 1** Pervasive ankerite-chlorite alteration, patchy potassic alteration	355.50	357.00	R221846	1.50	0.005
			357.00	358.50	R221847	1.50	<0.005
			358.50	360.00	R221848	1.50	0.008
			360.00	361.50	R221849	1.50	0.027
			361.50	363.00	R221852	1.50	<0.005
			363.00	364.50	R221853	1.50	<0.005
			364.50	366.00	R221854	1.50	<0.005
			366.00	367.50	R221855	1.50	0.005
			367.50	369.00	R221856	1.50	0.032
			369.00	370.50	R221857	1.50	0.005
			370.50	372.00	R221858	1.50	<0.005
			372.00	373.50	R221859	1.50	0.007
			373.50	375.00	R221860	1.50	0.007
374.07	400.53	V4; Bx **Trachyte 70°; Brecciated** Dark grey, blackish to grey patchy pink fine grained trachyte flow, alerting with 10-20 cm flayers, the upper trachyte unit is weakly deformed (376.5-390), rounded and euhedral dark and pinkish fragments are welding in a glassy or fine grained matrix. The unit cuts by two systems of Ankerite-quartz and quartz with minor ankerite veins and veinlets @ 60 and 90 dtca up to 5%. It is strongly magnetic and mineralized trace to 0.5% pyrite, traces chalcopyrite in fractures and veinlets. The unit cross cut by several Barcia haled veins at different orientation. The matrix is calcitic and contains crashed rock up 60%. Patchy moderate potasic and pervasive weak chlorite alteration present.	375.00	376.50	R221861	1.50	0.012
376.50	403.00	Vn;5%;Qak Cl;In;70°;Cp00.2 Py00.2; **vein (5 mm - 10 cm) 5% quartz-ankerite chlorite infilled fractures 70° Chalcopyrite 0.2% Pyrite 0.2%** White- grey quartz ankerite veins and veinlets, localized potassic alteration	376.50	378.00	R221862	1.50	0.031
			378.00	379.50	R221863	1.50	0.066
			379.50	381.00	R221864	1.50	0.055
			381.00	382.50	R221865	1.50	0.049
382.50	384.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	382.50	384.00	R221866	1.50	0.025
			384.00	385.50	R221867	1.50	0.028
385.50	387.00	Py00.5 **Pyrite 0.5%**	385.50	387.00	R221868	1.50	0.119

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained disseminated	387.00	388.50	R221869	1.50	0.01
			388.50	390.00	R221870	1.50	0.006
390.00	391.50	Py00.5; Cp00.2	390.00	391.50	R221871	1.50	0.038
		Pyrite 0.5%; Chalcopyrite 0.2%	391.50	393.00	R221872	1.50	0.014
		fine grained pyrite disseminated	393.00	394.50	R221873	1.50	0.007
			394.50	396.00	R221874	1.50	<0.005
			396.00	397.50	R221877	1.50	<0.005
			397.50	399.00	R221878	1.50	<0.005
			399.00	400.50	R221879	1.50	<0.005
400.00	414.20	Ank03; Cl01	400.50	402.00	R221880	1.50	<0.005
		Ankerite 3; Chlorite 1					
		Pervasive intense ankerite and weak chlorite					
400.53	414.28	V4; Tuff	402.00	403.50	R221881	1.50	<0.005
		Trachyte 30°; TUFF	403.50	405.00	R221882	1.50	<0.005
		A clear contact @ 30 dtca that contains some fragments marks the beginning of this unit. Fine to medium at the	405.00	406.50	R221883	1.50	0.007
		top and coarse grained at the bottom, Grey green color trachyte tuff. Almost massive and weak foliated @ 30	406.50	408.00	R221884	1.50	<0.005
		dtca. At the last meter it contains a few fragments. The unit is strongly magnetic, no calcitic and intense	408.00	409.50	R221885	1.50	<0.005
		pervasive ankretic. Pyrite mineralization and quartz veinlets are trace. The lower contact also contains some	409.50	411.00	R221886	1.50	<0.005
		fragments.	411.00	412.50	R221887	1.50	0.006
			412.50	414.00	R221888	1.50	<0.005
414.00	434.00	Vn;4%;Qak;In;60°;Py00.1;	414.00	415.50	R221889	1.50	0.01
		vein (5 mm - 10 cm) 4% quartz-ankerite infilled fractures 60° Pyrite 0.1%					
		Quartz-ankerite veins and veinlets sub // CA or 60 dg/Ca					
414.20	434.83	Ank03; Cl02; K01					
		Ankerite 3; Chlorite 2; Potassic 1					
		Pervasive intense ankerite, moderate chlorite, patchy weak potassic alteration					
414.28	434.83	V4MT	415.50	417.00	R221890	1.50	<0.005
		Trachyte mafic tuff 30°	417.00	418.50	R221891	1.50	0.006
		With clear contact @ 50 the hole goes into a dark grey blackish patchy pink intermidate to mafic trachyte tuff.	418.50	420.00	R221892	1.50	<0.005
		The unit contains 5-20 cm lapilli tuff layers, the upper trachyte unit is fine grained with some rounded and	420.00	421.50	R221893	1.50	<0.005
		euhedral dark and pinkish litic fragments welding in a glassy or in the fine grained matrix. It' is weakly foliated	421.50	423.00	R221894	1.50	<0.005
		30-40 dtca. Alteration consists of intense pervasive ankerite, moderate chlorite and spotty weak potassic. The	423.00	424.50	R221895	1.50	0.006
		unit is intersected by quartz-ankerite-feldspar veins, veinlets and network up to 15%. The interval is strongly	424.50	426.00	R221896	1.50	<0.005
		magnetic, no calcitic with trace of pyrite.	426.00	427.50	R221897	1.50	0.009
		This tuffacious unit is fine grained and look massive, altered to chlorite and strongly magnetic.	427.50	429.00	R221898	1.50	0.064

Description			Assay				
			From	To	Sample number	Length	AuBest
			429.00	430.50	R221899	1.50	<0.005
			430.50	432.00	R221902	1.50	<0.005
			432.00	433.50	R221903	1.50	<0.005
			433.50	435.00	R221904	1.50	0.015
433.83	512.92	FIn **Foliation 40°** Weak to moderate foliation 30-60 dtca					
434.83	512.92	V4T **Trachytic tuff 40°** A change in color and texture marks the beginning of this unit. In fact there is no more deference between this and upper unit. Pale green grey fine grained mixed tuff and lapilli tuff weak to moderate foliated. The upper has lapilli, fragments and a few pumice up to 4%. The interval foliated @ 40-70 dtca. Quartz ankerite veins are trace/.There is trace pyrite mineralization. This unit shows strong pervasive ankerite and moderate chlorite alteration. Calcite alteration starts from 459.39- 521.92m, Strong pervasive magnetic. From 477-483m weak spotty potassic alteration presents.	435.00	436.50	R221905	1.50	0.005
			436.50	438.00	R221906	1.50	<0.005
			438.00	439.50	R221907	1.50	0.005
			439.50	441.00	R221908	1.50	0.01
			441.00	442.50	R221909	1.50	0.033
			442.50	444.00	R221910	1.50	0.009
			444.00	445.50	R221911	1.50	0.012
			445.50	447.00	R221912	1.50	0.006
			447.00	448.50	R221913	1.50	<0.005
			448.50	450.00	R221914	1.50	0.009
434.83	459.37	Ank03; Cl02; Cl **Ankerite 3; Chlorite 2; Chlorite** intense pervasive ankerite, moderate chlorite					
450.00	463.00	Vn;2%;Qak Ca;In;;; **vein (5 mm - 10 cm) 2% quartz-ankerite calcite infilled fractures** small quartz-ankerite calcite	450.00	451.50	R221915	1.50	<0.005
			451.50	453.00	R221916	1.50	<0.005
			453.00	454.50	R221917	1.50	<0.005
			454.50	456.00	R221918	1.50	<0.005
			456.00	457.50	R221919	1.50	<0.005
			457.50	459.00	R221920	1.50	0.005
			459.00	460.50	R221921	1.50	<0.005
459.37	477.00	Ca03; Cl02 **Calcite 3; Chlorite 2** Intense pervasive calcite, moderate pervasive chlorite	460.50	462.00	R221922	1.50	0.006
			462.00	463.50	R221923	1.50	<0.005
			463.50	465.00	R221924	1.50	<0.005
			465.00	466.50	R221927	1.50	0.006
			466.50	468.00	R221928	1.50	<0.005
			468.00	469.50	R221929	1.50	0.007
			469.50	471.00	R221930	1.50	0.005
			471.00	472.50	R221931	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
			472.50	474.00	R221932	1.50	0.005
			474.00	475.50	R221933	1.50	<0.005
			475.50	477.00	R221934	1.50	<0.005
477.00	483.00	Ca02; Cl02; K01; K	477.00	478.50	R221935	1.50	<0.005
		Calcite 2; Chlorite 2; Potassic 1; Potassic	478.50	480.00	R221936	1.50	0.006
		Moderate pervasive ankerite, moderate chlorite, spotty potassic alteration	480.00	481.50	R221937	1.50	<0.005
			481.50	483.00	R221938	1.50	0.047
483.00	512.92	Ca03; Cl	483.00	484.50	R221939	1.50	<0.005
		Calcite 3; Chlorite	484.50	486.00	R221940	1.50	<0.005
		intense pervasive ankerite, moderate chlorite	486.00	487.50	R221941	1.50	0.006
			487.50	489.00	R221942	1.50	0.005
			489.00	490.50	R221943	1.50	0.006
			490.50	492.00	R221944	1.50	0.006
			492.00	493.50	R221945	1.50	0.005
			493.50	495.00	R221946	1.50	0.006
			495.00	496.50	R221947	1.50	0.008
			496.50	498.00	R221948	1.50	0.007
			498.00	499.50	R221949	1.50	0.019
			499.50	501.00	R221952	1.50	0.006
			501.00	502.50	R221953	1.50	<0.005
			502.50	504.00	R221954	1.50	0.006
			504.00	505.50	R221955	1.50	0.006
			505.50	507.00	R221956	1.50	0.007
			507.00	508.50	R221957	1.50	0.01
			508.50	510.00	R221958	1.50	0.009
510.00	511.50	Py00.5	510.00	511.50	R221959	1.50	<0.005
		Pyrite 0.5%	511.50	512.92	R221960	1.42	<0.005
		fine grained pyrite disseminated					
512.92		**End of DDH**					
		Number of samples: 320					
		Number of QAQC samples: 28					
		Total sampled length: 467.27					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_99

Drilled by:	Major	Claims title:		Section:	
Described by:	Gilles Kamta	Township:		Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	11/06/2014	Description date:	16/06/2014
		To:	17/06/2014		

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 482.89 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,288.973
North	0.0	0.000	5,331,204.185
Elevation	0.0	0.000	340.215

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	90.00	354.8°	-52.7°	No	Mag = 53904
ReflexEZS	150.00	14.3°	-53.9°	Yes	Mag = 56096
ReflexEZS	210.00	354.3°	-52.0°	No	Mag = 55485
ReflexEZS	270.00	356.0°	-51.3°	No	Mag = 55328
ReflexEZS	330.00	357.6°	-51.0°	No	Mag = 55310
ReflexEZS	390.00	359.4°	-50.1°	No	Mag = 55581
ReflexEZS	450.00	2.6°	-49.6°	No	Mag = 55394

Description

Re_logging by Reza Hosseinnejad 24_Aug._2014

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	68.40	OVB **Overburden** Casing					
68.40	213.00	4U; Mass **Ultramafic 90°; Massive** The hole start in a dark grey color with fine grained ultramafic. The rock is soft, and somewhere altered to talc and chlorite. This rock predominantly shows massive and foliated, moderate pervasive ankerite, moderately magnetic, many ankerite veins and veinlets. localized green carbonate and deformation. Mineralization consists of irregularly disseminated medium to coares euhedral pyrite up to 0.5%. The unit is regularly intersected by massive pinkish grey trachyte flow fine grained with moderate pervasive ankerite, intense potassic alteration, and weak to moderate silicification. Fine and euhedral pyrite disseminated up to 2-3% @ 69-70.20 m. From 74.40-92 m the unit cross cut by a few mafic lamprophyre dike. Those are fine grained lighte pinkish-grey color with whitish feldspatic phenoes and biotite, vuggy ankerite and calcite veins, pervasive moderate potassic alteration, weak ankerite, intersect by 5-10 cm ultramafic @ 90 dtca. Pyrite mineralized by veinlets and disseminated up to 0.5%. From 174-188 the unit cross cut by a few syenite intrusive wide 2-80cm. Those are fine grained matrix that contains 5% whitish phenoes and maroonish to creamy color. The dykes contain up 1% disseminated fine to medium grained pyrite.	68.40	69.00	R221961	0.60	0.005
68.40	69.00	Cl02; Talc02; Ank01 **Chlorite 2; Talc 2; Ankerite 1** Maoderate talc chlorite, weak ankerite					
68.40	69.00	Py00.1 **Pyrite 0.1%** traces					
69.00	70.20	V4a **Trachyte Altered 90°** Pinkish grey altered trachyte, fine to medium grained, moderately magnetic, with moderate pervasive ankerite, intense potassic alteration, pervasive moderate magnetism, localized cracks fill of massive pyrite, fine to large euhedral pyrite disseminated as well as train shape stringers up to 6%.					
69.00	70.20	Py03 **Pyrite 3%** Massive, euhedral and fine grained pyrite disseminated or in veins	69.00	70.20	R221962	1.20	0.022
69.60	70.20	K03; Ank01 **Potassic 3; Ankerite 1** Pervasive intense potassic alteration, weak ankerite					
70.20	75.44	Cl02; Talc02 **Chlorite 2; Talc 2** Moderate talc chlorite.	70.20	71.00	R221963	0.80	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
70.20	71.00	Py00.7 **Pyrite 0.7%** euhedral and pyrite diss					
71.00	72.15	Py00.7 **Pyrite 0.7%** Euhedral and fine grained py diss	71.00	72.15	R221964	1.15	<0.005
71.60	72.15	Vm;90%;Qak;In;40°;Py00.1; **major vein (10 cm or greater) 90% quartz-ankerite infilled fractures 40° Pyrite 0.1%** infilled quartz-ankerite veins with fragments of trachytes, upper contact @40 dtca and lower contact@ 80 dtca.					
72.15	73.50	Py00.5 **Pyrite 0.5%** fine grained pyrite in quartz ankerite veins	72.15	73.50	R221965	1.35	<0.005
73.40	75.00	Gg **Fault gouge 70°** Locallized green fault gouge with fragments of ultramafic					
73.50	75.00	Py00.2 **Pyrite 0.2%** traces	73.50	75.00	R221966	1.50	<0.005
75.00	76.50	Py00.5 **Pyrite 0.5%** fine grained pyrite diss	75.00	76.50	R221967	1.50	0.008
75.44	77.40	MI; Por **Mafic Intrusion 85°; Porphyritic** Pinkish-light grey mafic intrusion porphyritic texture. The feldspatic phenoes in a fine grained matrix weakly silicified, locally intersect by 5-10 cm ultramafic, moderate pervasive potassic alteration, weak ankerite, pyrite disseminated 0.5.					
75.44	77.40	K02; Si01; Ank01 **Potassic 2; Silica 1; Ankerite 1** Pervasive moderate potassic alteration, weak ankerite silica					
76.50	77.40	Py00.5 **Pyrite 0.5%** fine grained pyrite diss	76.50	77.40	R221968	0.90	0.011
77.40	91.17	Cl02; Talc02 **Chlorite 2; Talc 2** Moderate pervasive talc chlorite	77.40	78.50	R221969	1.10	<0.005
77.40	78.50	Py00.1 **Pyrite 0.1%** traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
77.40	85.00	Vn;5%;Ak;In;80°;;					
		vein (5 mm - 10 cm) 5% ankerite infilled fractures 80°					
		cross cutting ankerite veins and veinlets up 0.5%					
78.50	79.50	Py00.1	78.50	79.50	R221970	1.00	<0.005
		Pyrite 0.1%					
		traces					
79.50	81.00	Py00.1	79.50	81.00	R221971	1.50	<0.005
		Pyrite 0.1%					
		traces					
81.00	82.50	Py00.1	81.00	82.50	R221972	1.50	<0.005
		Pyrite 0.1%					
		traces					
82.50	84.00	Py00.1	82.50	84.00	R221973	1.50	<0.005
		Pyrite 0.1%					
		traces					
83.50	83.90	3L					
		Lamprophyre 90°					
		Pinkish maroonish color, fine grained groundmass contains 10-15% blackish biotite. Moderate magnetic, non calcite and non ankretic. Pervasive moderate potassic alteration. It is mineralized by fine to coares grained disseminated pyrite up to 5%.					
84.00	85.50	Py00.1	84.00	85.50	R221974	1.50	0.023
		Pyrite 0.1%					
		traces					
85.00	89.00	Vn;5%;Ak;In;70°;;					
		vein (5 mm - 10 cm) 5% ankerite infilled fractures 70°					
		Ankerite veins and veinlets locally brecciated the ultramafic					
85.50	87.00	Py00.1	85.50	87.00	R221977	1.50	<0.005
		Pyrite 0.1%					
		traces					
87.00	88.50	Py00.1	87.00	88.50	R221978	1.50	<0.005
		Pyrite 0.1%					
		traces					
88.50	90.00	Py00.1	88.50	90.00	R221979	1.50	<0.005
		Pyrite 0.1%					
		traces					
90.00	91.50	Py00.1	90.00	91.50	R221980	1.50	<0.005
		Pyrite 0.1%					
		traces					
91.17	92.33	MI					
		Mafic Intrusion 80°					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pinkish green mafic intrusion fine grained, strongly magnetic, intense pervavise ankerite- potassic alteration, traces of pyrite					
91.17	92.33	Ank03; K03; Cl02 **Ankerite 3; Potassic 3; Chlorite 2** Pervasive intense potassic-ankerite alteration, chlorite					
91.50	93.00	Py00.1 **Pyrite 0.1%** traces	91.50	93.00	R221981	1.50	<0.005
92.33	143.35	Ank02; Cl02; Talc02 **Ankerite 2; Chlorite 2; Talc 2** Moderate ankerite-talc, chlorite alteration					
93.00	94.50	Py00.1 **Pyrite 0.1%** traces	93.00	94.50	R221982	1.50	0.005
94.00	114.00	Vn;5%;Ak;In;70°;; **vein (5 mm - 10 cm) 5% ankerite infilled fractures 70°** Ankerite veins and veinlets cross cutting					
94.50	96.00	Py00.1 **Pyrite 0.1%** traces	94.50	96.00	R221983	1.50	<0.005
96.00	97.50	Py00.1 **Pyrite 0.1%** traces	96.00	97.50	R221984	1.50	<0.005
97.50	99.00	Py00.1 **Pyrite 0.1%** traces	97.50	99.00	R221985	1.50	0.008
99.00	100.50	Py00.1 **Pyrite 0.1%** traces	99.00	100.50	R221986	1.50	<0.005
100.50	102.00	Py00.1 **Pyrite 0.1%** traces	100.50	102.00	R221987	1.50	<0.005
102.00	103.50	Py00.1 **Pyrite 0.1%** traces	102.00	103.50	R221988	1.50	<0.005
103.50	105.00	Py00.2 **Pyrite 0.2%** traces	103.50	105.00	R221989	1.50	<0.005
105.00	106.50	Py00.2 **Pyrite 0.2%**	105.00	106.50	R221990	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
106.50	108.00	Gg; Jt					
		Fault gouge 80°; Joint					
		Fault gouge and Joints					
106.50	108.00	Py00.2	106.50	108.00	R221991	1.50	<0.005
		Pyrite 0.2%					
		traces					
108.00	109.50	Py00.5	108.00	109.50	R221992	1.50	<0.005
		Pyrite 0.5%					
		euhedral pyrite disseminated					
109.50	111.00	Py00.5	109.50	111.00	R221993	1.50	0.015
		Pyrite 0.5%					
		euhedral py disseminated					
111.00	112.50	Py00.2	111.00	112.50	R221994	1.50	<0.005
		Pyrite 0.2%					
		euhedral and fine grained py in veins					
112.50	114.00	Py00.5	112.50	114.00	R221995	1.50	0.006
		Pyrite 0.5%					
		euhdral pyrite diss					
114.00	115.50	Py00.5	114.00	115.50	R221996	1.50	0.2
		Pyrite 0.5%					
		euhdral pyrite diss					
115.50	117.00	Py00.5	115.50	117.00	R221997	1.50	0.034
		Pyrite 0.5%					
116.00	118.50	Vm;20%;Qak;In;40°;;					
		major vein (10 cm or greater) 20% quartz-ankerite infilled fractures 40°					
		Quartz-ankerite 30-90 dtca					
117.00	118.50	Py01	117.00	118.50	R221998	1.50	0.024
		Pyrite 1%					
		Euhedral pyrite disseminated					
118.50	120.00	Py00.5	118.50	120.00	R221999	1.50	0.048
		Pyrite 0.5%					
		disseminated euhedral pyrite					
119.50	124.00	Vn;5%;Qak Cl;In;70°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite chlorite infilled fractures 70°					
120.00	121.50	Py00.2	120.00	121.50	R226002	1.50	<0.005
		Pyrite 0.2%					
121.50	123.00	Py00.5	121.50	123.00	R226003	1.50	0.032
		Pyrite 0.5%					
		euherdral pyrite irrulary diss					

Description			Assay				
			From	To	Sample number	Length	AuBest
123.00	124.50	Py00.5	123.00	124.50	R226004	1.50	0.09
		Pyrite 0.5%					
		euhedral pyrite disseminated					
124.50	126.00	Py00.2	124.50	126.00	R226005	1.50	<0.005
		Pyrite 0.2%					
		traces					
126.00	127.50	Py00.1					
		Pyrite 0.1%					
		traces					
126.00	135.00	Vn;5%;Ak;In;70°;;	126.00	127.50	R226006	1.50	0.015
		vein (5 mm - 10 cm) 5% ankerite infilled fractures 70°					
127.50	129.00	Py00.2	127.50	129.00	R226007	1.50	0.007
		Pyrite 0.2%					
		traces					
129.00	130.50	Py00.5	129.00	130.50	R226008	1.50	0.057
		Pyrite 0.5%					
		euhedral py disseminated					
130.50	132.00	Py00.1	130.50	132.00	R226009	1.50	<0.005
		Pyrite 0.1%					
		traces					
132.00	133.50	Py00.1	132.00	133.50	R226010	1.50	<0.005
		Pyrite 0.1%					
		traces					
133.50	135.00	Py00.1	133.50	135.00	R226011	1.50	<0.005
		Pyrite 0.1%					
		traces					
135.00	135.50	Gg; Jt; Fln					
		Fault gouge 80°; Joint; Foliation					
		Fault gouge and joint					
135.00	136.50	Py00.1	135.00	136.50	R226012	1.50	<0.005
		Pyrite 0.1%					
		traces					
135.50	143.35	Fln					
		Foliation 70°					
		weak to moderate foliation					
136.50	138.00	Py00.1	136.50	138.00	R226013	1.50	0.006
		Pyrite 0.1%					
		traces					
138.00	139.50	Py00.1	138.00	139.50	R226014	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
139.50	141.00	Py00.1	139.50	141.00	R226015	1.50	<0.005
		Pyrite 0.1%					
		traces					
141.00	142.50	Py00.2	141.00	142.50	R226016	1.50	<0.005
		Pyrite 0.2%					
		traces					
141.70	143.40	Vn;3%;Qak;In;70°;Py00.2;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70° Pyrite 0.2%					
		a series of quartz-ankerite veins					
142.50	144.00	Py01	142.50	144.00	R226017	1.50	0.04
		Pyrite 1%					
		1-2 % fine and euhedral pyrite in a pinkish fine grained trachyte moderately silicified					
143.35	144.00	V4a					
		Trachyte Altered 90°					
		Fine grained massive trachyte pinkish, silicified, pervasive potassic alteration, strongly magnetic, pyrite					
		as stringers or fine grained disseminated up to 2%.					
143.35	144.00	Si03; K03; Ank02					
		Silica 3; Potassic 3; Ankerite 2					
		pervasive moderate to intense-silica-potasic alteration, moderte pervasive ankerite					
144.00	155.10	Ank02; Cl02; Talc02	144.00	145.50	R226018	1.50	0.007
		Ankerite 2; Chlorite 2; Talc 2					
		Pervasive moderte talc chlorite ankerite alteration					
144.00	146.10	Fln					
		Foliation 80°					
		moderate pervasive foliation					
144.00	145.50	Py00.5					
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
145.50	147.00	Py00.1	145.50	147.00	R226019	1.50	<0.005
		Pyrite 0.1%					
		traces					
146.10	147.00	Gg; Fln					
		Fault gouge 70°; Foliation					
		Two fault gouge cross cut the unit wide 3 and 6 cm @ 70 dtca.					
147.00	149.10	Fln	147.00	148.50	R226020	1.50	<0.005
		Foliation 70°					
		Moderate foliation @ 70 dtca					
147.00	148.50	Py00.1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
148.50	150.00	Py00.5	148.50	150.00	R226021	1.50	<0.005
		Pyrite 0.5%					
		fine pyrite infilled veins					
150.00	151.50	Py00.1	150.00	151.50	R226022	1.50	<0.005
		Pyrite 0.1%					
		traces					
151.50	153.00	Py00.1	151.50	153.00	R226023	1.50	0.008
		Pyrite 0.1%					
		traces					
153.00	158.90	Fln	153.00	154.50	R226024	1.50	0.007
		Foliation 80°					
		Strongly pervasive foliation @80 dtca and localized deformation..					
153.00	154.50	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite irregulary disseminated					
154.50	156.00	Py00.5	154.50	156.00	R226027	1.50	0.198
		Pyrite 0.5%					
		fine and euhedral pyrite in a pinkish trachyte intersection de ultramafic					
155.10	155.75	V4a; Mass					
		Trachyte Altered 70°; Massive					
		Massive pinkish trachyte flow intyersect by quartz carbonates veins and veinlets 50-60 dg/Ca, It is strongly magnetic, strong pervasive potassic alteration, chlorite, weak to moderate silicification, fine grained pyrite disseminated 0.5%					
155.10	155.75	Si02; K02; Ank02					
		Silica 2; Potassic 2; Ankerite 2					
		pervasive moderate silica-potassic-ankerite alteration					
155.10	158.20	Vn;3%;Qak;In;60°;Py00.5;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60° Pyrite 0.5%					
		quartz-ankerite veins locally with pyrite					
155.75	156.80	Ank02; Cl02; Cl; Talc02					
		Ankerite 2; Chlorite 2; Chlorite; Talc 2					
		Pervasive talc-chlorite-ankerite					
156.00	157.50	Py00.7	156.00	157.50	R226028	1.50	0.029
		Pyrite 0.7%					
		fine and euhedral pyrite in a pinkish trachyte intersection de ultramafic					
156.80	158.20	K02; Ank02; Cl01					
		Potassic 2; Ankerite 2; Chlorite 1					
		Pervasive moderate potassic ankerite alteration, weak chlorite					

Description			Assay				
			From	To	Sample number	Length	AuBest
157.50	159.00	Py00.7 **Pyrite 0.7%** stringers veinlets pyrite fine grained or euhedral	157.50	159.00	R226029	1.50	0.044
158.20	179.11	Cl03; Talc02; Ank02; K01 **Chlorite 3; Talc 2; Ankerite 2; Potassic 1** pervasive intense chlorite alteration, moderate pervasive talc ankerite alteration, spotty potassic alteration.					
158.20	172.00	Vn;5%;Qak Ak;In;70°;Py00.2; **vein (5 mm - 10 cm) 5% quartz-ankerite ankerite infilled fractures 70° Pyrite 0.2%** quartz-ankerite veins and ankerite veinlets					
158.90	181.80	Fln **Foliation** Moderate to weak isolate foliation					
159.00	160.50	Py00.1 **Pyrite 0.1%** traces	159.00	160.50	R226030	1.50	<0.005
160.50	162.00	Py00.5 **Pyrite 0.5%** disseminated fine and euhedral pyrite	160.50	162.00	R226031	1.50	0.016
162.00	163.50	Py00.5 **Pyrite 0.5%** fine and euhedral pyrite disseminated	162.00	163.50	R226032	1.50	<0.005
163.50	165.00	Py00.1 **Pyrite 0.1%** Traces	163.50	165.00	R226033	1.50	<0.005
165.00	166.50	Py00.2 **Pyrite 0.2%** traces	165.00	166.50	R226034	1.50	<0.005
166.50	168.00	Py00.1; Cp00.1 **Pyrite 0.1%; Chalcopyrite 0.1%** traces	166.50	168.00	R226035	1.50	<0.005
168.00	169.50	Py00.1 **Pyrite 0.1%** traces	168.00	169.50	R226036	1.50	<0.005
169.50	171.00	Py00.2 **Pyrite 0.2%** traces as stringers	169.50	171.00	R226037	1.50	<0.005
171.00	172.50	Py00.5 **Pyrite 0.5%** fine and euhdral pyrite irregulary disseminated	171.00	172.50	R226038	1.50	0.031

Description			Assay				
			From	To	Sample number	Length	AuBest
172.50	174.00	Py00.2 **Pyrite 0.2%** traces	172.50	174.00	R226039	1.50	<0.005
174.00	188.00	1S **Syenite 85°** In this interval a few syenite dyke wide 2-80cm cross cut the unit @ 85-90 dtca. Those are fine grained matrix that contains 5% whitish phenoes and maroonish to creamy color. The dykes contain up 1% disseminated fine to medium grained pyrite. Moderately silicified, cracks, moderate pervasive potassic alteration, weak pervasive ankerite, moderate pervasive magnetism, fine to medium grained disseminated pyrite 0.5%.	174.00	175.50	R226040	1.50	<0.005
174.00	175.50	Py00.2 **Pyrite 0.2%** traces					
175.50	177.00	Py00.2 **Pyrite 0.2%** traces	175.50	177.00	R226041	1.50	<0.005
177.00	178.50	Py00.5 **Pyrite 0.5%** traces	177.00	178.50	R226042	1.50	0.015
178.50	180.00	Py00.5 **Pyrite 0.5%** traces	178.50	180.00	R226043	1.50	0.006
179.11	181.80	Si02; K02; Ank02; Cl01 **Silica 2; Potassic 2; Ankerite 2; Chlorite 1** Pervasive moderate silica-potassic an ankerite, weak-intense spotty chlorite					
180.00	181.50	Py00.5 **Pyrite 0.5%** Fine and euhedral pyrite	180.00	181.50	R226044	1.50	0.062
181.50	183.00	Py00.5 **Pyrite 0.5%** pyrite in pinkish trachyte flow	181.50	183.00	R226045	1.50	0.035
181.80	187.62	Cl03; Ank02; Talc02; K01 **Chlorite 3; Ankerite 2; Talc 2; Potassic 1** Pervasive chlorite-talc- ankerite, spotty potassic alteration in trachyte units					
181.80	198.50	Fln **Foliation 80°** Moderate pervasive foliation @80 dtca.					
183.00	184.50	Py00.2 **Pyrite 0.2%** traces of pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
183.00	189.00	Vn;3%;Qak Ak;In;80°;;	183.00	184.50	R226046	1.50	<0.005
		vein (5 mm - 10 cm) 3% quartz-ankerite ankerite infilled fractures 80°					
		quartz-ankerite veins and ankerite veins and veinlets					
184.50	186.00	Py00.2	184.50	186.00	R226047	1.50	<0.005
		Pyrite 0.2%					
		traces					
186.00	187.50	Py00.5	186.00	187.50	R226048	1.50	0.006
		Pyrite 0.5%					
		fine grained pyrite on trachyte intersection					
187.50	189.00	Py00.2; Hem00.2	187.50	189.00	R226049	1.50	<0.005
		Pyrite 0.2%; SPECULARITE 0.2%					
		euhedral pyrite and specular hematite veinlets					
187.62	208.80	Cl03; Talc03; Ank01					
		Chlorite 3; Talc 3; Ankerite 1					
		Pervasive talc chlorite alteration, weak ankerite					
189.00	190.50	Py00.1	189.00	190.50	R226052	1.50	<0.005
		Pyrite 0.1%					
		traces					
190.50	192.00	Py00.1	190.50	192.00	R226053	1.50	<0.005
		Pyrite 0.1%					
		traces					
192.00	193.50	Py00.1	192.00	193.50	R226054	1.50	0.005
		Pyrite 0.1%					
		traces					
193.50	195.00	Py00.1	193.50	195.00	R226055	1.50	<0.005
		Pyrite 0.1%					
		traces					
195.00	196.50	Py00.1	195.00	196.50	R226056	1.50	0.005
		Pyrite 0.1%					
		traces					
196.50	198.00	Py00.1	196.50	198.00	R226057	1.50	0.008
		Pyrite 0.1%					
		traces					
198.00	199.50	Py00.1	198.00	199.50	R226058	1.50	<0.005
		Pyrite 0.1%					
		traces					
198.50	209.80	Fln; Jt; Gg					
		Foliation 80°; Joint; Fault gouge					
		This interval show strongly foliations, joints with some slickensides and gouge fault.					
199.50	201.00	Py00.1	199.50	201.00	R226059	1.50	0.021

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
201.00	202.50	Py00.1					
		Pyrite 0.1%					
		traces					
201.00	204.30	Vn;5%;Ak;In;80°;;	201.00	202.50	R226060	1.50	0.005
		vein (5 mm - 10 cm) 5% ankerite infilled fractures 80°					
202.50	204.00	Py00.1	202.50	204.00	R226061	1.50	<0.005
		Pyrite 0.1%					
		traces					
204.00	205.50	Py00.1	204.00	205.50	R226062	1.50	0.104
		Pyrite 0.1%					
		traces					
204.30	205.00	Vn;5%;Qak;In;90°;Py00.2;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 90° Pyrite 0.2%					
		quartz-ankerite- hematite altered veins with traces of pyrite					
205.50	207.00	Py00.1	205.50	207.00	R226063	1.50	0.007
		Pyrite 0.1%					
		traces					
207.00	208.50	Py00.5	207.00	208.50	R226064	1.50	0.018
		Pyrite 0.5%					
		diss					
207.50	208.00	Vn;10%;Qak;In;80°;;					
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 80°					
		light grey quartz-ankerite veins					
208.50	210.00	Py00.1	208.50	210.00	R226065	1.50	0.011
		Pyrite 0.1%					
		traces					
208.80	213.00	Cl03; K02; Ank02					
		Chlorite 3; Potassic 2; Ankerite 2					
		moderate pervasite chlorite potassic alteration					
209.80	211.60	Fln					
		Foliation 70°					
		foliations in a glassy shear zone					
210.00	211.50	Py00.1	210.00	211.50	R226066	1.50	0.013
		Pyrite 0.1%					
		traces					
211.50	213.00	Py00.5	211.50	213.00	R226067	1.50	0.075
		Pyrite 0.5%					
		fine grained diss					

Description			Assay				
			From	To	Sample number	Length	AuBest
211.80	211.92	Gg **Fault gouge 80°** Fault gouge in and ultramafic contact with trachyte.					
211.92	213.00	Gnfl **Gneissic foliation 80°** Gneissic foliation in the glassy margin					
213.00	231.10	V4a; Mass **Trachyte Altered 90°; Massive** With sharp contact @90 dtca with child margin after a strong fault zone the hole goes into a massive pal pink to maroonish trachyte flow. The trachyte is aphanitic with patch of glassy texture with hyaloclastite. It's fractured with localized broken fragments @ (214-215.20) with moderate pervasive ankerite-potassic alteration, localized albite. The unit is moderately magnetic, mineralized 0.5-2% fine to medium grained pyrite. From 231.10m the trachyte present reddish fragments (secondary breccia), and localized litic texture. The unit cut by a series of quartz- carbonates veinlets @ variable orientation up 5%. It shows strong ankerite, weak talc and chlorite alteration. It's intersect by silicified trachyte flow, localized potassic alteration, this part is non magnetic, with trace of pyrite. From 231-243 the gold assay shows respectively 0.06,0.07, 3.4,0.46,15,21,0.13 and 0.2. In this interval most of a characteristics such as color, texture, alteration and veining almost the same. I look very carefully to find what is the reason for gold concentration?Finally the only difference between the interval with low and high gold concentration was existence of a few whitish quartz-ankerite veins.	213.00	214.50	R226068	1.50	0.213
213.00	220.00	K02; Si02; Ank02 **Potassic 2; Silica 2; Ankerite 2** Moderate pervasive silica-potassic and ankerite alteration					
213.00	214.50	Py01 **Pyrite 1%** fine grained disseminated					
214.50	216.00	Py01 **Pyrite 1%** fine grained and euhedral pyrite diss	214.50	216.00	R226069	1.50	0.172
216.00	217.50	Py01 **Pyrite 1%** fine grained and euhedral pyrite diss	216.00	217.50	R226070	1.50	0.265
217.50	219.00	Py01 **Pyrite 1%** fine grained and euhedral pyrite diss	217.50	219.00	R226071	1.50	0.251
219.00	220.00	Py01; Py01 **Pyrite 1%; Pyrite 1%** fine grained and euhedral pyrite diss	219.00	220.00	R226072	1.00	0.068
220.00	223.27	4U; Fol **Ultramafic 90°; Foliated** A narrow dark grey fine grained ultramafic foliated @75 dtca, strongly altered to ankerite, weak talc and	220.00	221.00	R226073	1.00	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
		chlorite, It's intersect by silicifed trachyte flow, localized deformation and weakly potassic alteration, the unit is non magnetic, with trace of pyrite					
220.00	222.27	Cl03; Si02; Ank02					
		Chlorite 3; Silica 2; Ankerite 2					
		Pervasive chlorite-silica- ankerite ina deformed "glassy chlilled margin".					
220.00	222.27	Gnfl					
		Gneissic foliation 70°					
		Gneissic foliation in the glassy margin					
220.00	221.00	Py05					
		Pyrite 5%					
		fine grained and euhedral pyrite diss					
221.00	222.27	Py00.5	221.00	222.27	R226074	1.27	0.036
		Pyrite 0.5%					
		fine grained and euhedral pyrite diss					
222.27	223.65	K02; Si02; Ank02					
		Potassic 2; Silica 2; Ankerite 2					
		Pervasive Potassic- Silica-Ankerite alteration					
222.27	223.65	Py02	222.27	223.65	R226077	1.38	0.075
		Pyrite 2%					
		fine grainedl pyrite diss					
223.65	225.00	Cl03; Si01; Ank01; K01					
		Chlorite 3; Silica 1; Ankerite 1; Potassic 1					
		spotty Chlorite, Silica, Ankerite and Potassic alteration					
223.65	224.10	Fln					
		Foliation 70°					
223.65	225.00	Py00.5	223.65	225.00	R226078	1.35	0.079
		Pyrite 0.5%					
		fine grained and euhedral pyrite irr diss					
225.00	282.75	K03; Ank02; Si01; Cl01; Ank01	225.00	226.50	R226079	1.50	0.348
		Potassic 3; Ankerite 2; Silica 1; Chlorite 1; Ankerite 1					
		Pervasive moderate to intense potassic alteration, spotty weak sericite, chlorite peravsive or in veinlets					
225.00	226.50	Py00.5					
		Pyrite 0.5%					
		fine grained and euhedral pyrite diss					
226.50	228.00	Py01	226.50	228.00	R226080	1.50	0.265
		Pyrite 1%					
		fine grained and euhedral pyrite diss					
228.00	229.50	Py01	228.00	229.50	R226081	1.50	0.105
		Pyrite 1%					
		fine grained and euhedral pyrite diss					

Description			Assay				
			From	To	Sample number	Length	AuBest
229.50	231.00	Py01 **Pyrite 1%** fine grained and euhedral pyrite diss	229.50	231.00	R226082	1.50	0.239
231.00	232.50	Py00.5 **Pyrite 0.5%** fine grained and euhedral pyrite diss	231.00	232.50	R226083	1.50	0.064
231.10	282.75	V4a; Pep; PorFG **Trachyte Altered 70°; PEPERITIC; PORPHYRITIC (FINE GROUNDMASS)** Gradational the hole goes into a trachyte flow with difference texture. It is pinkish- lightly pink trachyte flow with whitish feldspatic phenoes, red spots, igneous fragments of different sized 0.2 mm-5 cm locally crystal rich or porphyritic texture. The upper unit from 231.10-237m is weakly deformed (brecciated), some late quartz-ankerite-chlorites veins and veinlets in the unit, the magnetism is moderate and intermittent. It's altered to moderate pervasive sericite, intense pervasive potassic, weak to moderate chlorite- sericite. This interval mineralized by fine to coarse euhedral pyrite disseminated up to 1%.,Somewhere the veins contains some spot of chalcopyrite. From 231-243 the gold assay shows respectively 0.06,0.07, 3.4,0.46,15,21,0.13 and 0.2. In this interval most of a characteristics such as color, texture, alteration, pyrite mineralization(trace) and veining almost the same. I look very carefully to find what is the reason for gold concentration?Finally the only difference between the interval with low and high gold concentration was, existence of a few whitish quartz-ankerite veins.					
231.50	232.30	Bxh **Breccia healed** A chlorite braecia with variable size trachyte fragments.					
232.00	242.00	Vn;5%;Sgq;Sk;;; **vein (5 mm - 10 cm) 5% smoky grey quartz stockwork** A stockwork of grey quartz veins and veinlets and a few quartz-ankerite veins @ variable orientation.					
232.50	234.00	Py00.2 **Pyrite 0.2%** traces	232.50	234.00	R226084	1.50	0.069
234.00	235.50	Py00.1 **Pyrite 0.1%** traces	234.00	235.50	R226085	1.50	0.034
235.50	237.00	Py00.1 **Pyrite 0.1%** traces	235.50	237.00	R226086	1.50	3.42
237.00	238.50	Py00.1 **Pyrite 0.1%** traces	237.00	238.50	R226087	1.50	0.468
238.50	240.00	Py00.1 **Pyrite 0.1%** traces	238.50	240.00	R226088	1.50	14.55

Description			Assay				
			From	To	Sample number	Length	AuBest
240.00	241.50	Py00.1 **Pyrite 0.1%** traces	240.00	241.50	R226089	1.50	21.2
241.50	243.00	Py00.1 **Pyrite 0.1%** traces	241.50	243.00	R226090	1.50	0.129
243.00	244.50	Py00.1 **Pyrite 0.1%** traces	243.00	244.50	R226091	1.50	0.194
244.50	246.00	Py00.1 **Pyrite 0.1%** traces	244.50	246.00	R226092	1.50	0.015
246.00	247.50	Py00.1 **Pyrite 0.1%** traces	246.00	247.50	R226093	1.50	0.012
247.50	249.00	Py00.1 **Pyrite 0.1%** traces	247.50	249.00	R226094	1.50	0.019
249.00	250.50	Py00.1 **Pyrite 0.1%** traces	249.00	250.50	R226095	1.50	<0.005
250.50	252.00	Py00.1 **Pyrite 0.1%** traces	250.50	252.00	R226096	1.50	0.019
252.00	253.50	Py00.1 **Pyrite 0.1%** traces	252.00	253.50	R226097	1.50	<0.005
253.50	255.00	Cp00.2; Py00.1 **Chalcopyrite 0.2%; Pyrite 0.1%** traces of pyrite, chalcopyrite in veins	253.50	255.00	R226098	1.50	0.007
255.00	256.50	Py00.1 **Pyrite 0.1%** traces	255.00	256.50	R226099	1.50	0.009
256.50	258.00	Py00.1 **Pyrite 0.1%** traces	256.50	258.00	R226102	1.50	<0.005
258.00	259.50	Py00.1 **Pyrite 0.1%** traces	258.00	259.50	R226103	1.50	<0.005
259.50	261.00	Py00.1	259.50	261.00	R226104	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
261.00	262.50	Py00.1	261.00	262.50	R226105	1.50	<0.005
		Pyrite 0.1%					
		traces					
262.00	274.00	Vn;3%;Qak;In;70°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 70°					
		quartz-ankerite veins and veinlets 70-90 dg/Ca					
262.50	264.00	Py00.1	262.50	264.00	R226106	1.50	<0.005
		Pyrite 0.1%					
		traces					
264.00	265.50	Py00.1	264.00	265.50	R226107	1.50	0.046
		Pyrite 0.1%					
		traces					
265.50	267.00	Py00.1	265.50	267.00	R226108	1.50	<0.005
		Pyrite 0.1%					
		traces					
267.00	268.50	Py00.1	267.00	268.50	R226109	1.50	<0.005
		Pyrite 0.1%					
		traces					
268.50	270.00	Py00.1	268.50	270.00	R226110	1.50	<0.005
		Pyrite 0.1%					
		traces					
270.00	271.50	Py00.1	270.00	271.50	R226111	1.50	0.006
		Pyrite 0.1%					
		traces					
271.50	273.00	Py00.1; Hem00.1	271.50	273.00	R226112	1.50	0.008
		Pyrite 0.1%; SPECULARITE 0.1%					
		traces of pyrite and SPECULARITE stringers					
273.00	274.50	Py00.1; Hem00.1	273.00	274.50	R226113	1.50	<0.005
		Pyrite 0.1%; SPECULARITE 0.1%					
		traces ofPyrite and SPECULARITE stringers					
274.50	276.00	Py00.1	274.50	276.00	R226114	1.50	0.006
		Pyrite 0.1%					
		traces					
276.00	277.50	Py00.1	276.00	277.50	R226115	1.50	<0.005
		Pyrite 0.1%					
		traces					
277.50	279.00	Py00.1	277.50	279.00	R226116	1.50	0.008
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
279.00	280.50	Py00.5	279.00	280.50	R226117	1.50	0.05
		Pyrite 0.5%					
		fine grained euhedral pyrite					
280.00	283.00	Vn;2%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 60°					
		quartz-ankerite 60 deg/ parallele Ca					
280.50	282.00	Py00.5	280.50	282.00	R226118	1.50	0.036
		Pyrite 0.5%					
		fine grained pyrite					
282.00	283.50	Py00.5	282.00	283.50	R226119	1.50	0.037
		Pyrite 0.5%					
		fine grained pyrite					
282.75	304.20	V4; Lithic; Por					
		Trachyte 60°; LITHIC; Porphyritic					
		A sharp change in the color and texture marks the beginning of this unit. It is pale grey green to pinkish due to alteration trachyte flow. The fine grained glassy matrix contains up to 35% lithic fragments of different size(0,2mm- 3 cn) and color from dark to withish and pinkish. The lower unit is porphyritic and alteration consist of pervasive abitic and potassic alteration, moderate pervasive ankerite, spotty chlorite, the entire unit is non magnetic with some secondary quartz ankerite veins and veinlets at variable orientation. Pyrite mineralization is trace.					
282.75	290.77	Alb02; Si02; Ank02; Ca01					
		Albite 2; Silica 2; Ankerite 2; Calcite 1					
		Pervasive Silica-albite-ankerite alteration, spotty potassic and chlorite					
282.75	290.77	Bxh					
		Breccia healed					
		lithic fragments brecciating					
283.50	285.00	Py00.5	283.50	285.00	R226120	1.50	0.012
		Pyrite 0.5%					
		fine grained pyrite					
285.00	286.50	Py00.5	285.00	286.50	R226121	1.50	0.012
		Pyrite 0.5%					
		☐ fine grained pyrite					
286.50	288.00	Py00.5	286.50	288.00	R226122	1.50	0.013
		Pyrite 0.5%					
		fine grained pyrite					
288.00	289.50	Py00.5	288.00	289.50	R226123	1.50	0.02
		Pyrite 0.5%					
		fine grained pyrite					
289.50	291.00	Py00.5	289.50	291.00	R226124	1.50	0.021

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine grained pyrite					
290.77	333.00	K03; Ank02; Ca01					
		Potassic 3; Ankerite 2; Calcite 1					
		Pervasive moderate to intense potassic -ankerite alteration, chlorite veinlets					
291.00	292.50	Py00.5; Hem00.2	291.00	292.50	R226127	1.50	0.06
		Pyrite 0.5%; SPECULARITE 0.2%					
		fine grained pyrite, spercularite stringers					
292.50	294.00	Py00.1; Hem00.1	292.50	294.00	R226128	1.50	0.036
		Pyrite 0.1%; SPECULARITE 0.1%					
		traces of pyrite, specularite veinlets					
294.00	295.50	Py00.1	294.00	295.50	R226129	1.50	0.015
		Pyrite 0.1%					
		traces					
295.50	297.00	Py00.1	295.50	297.00	R226130	1.50	0.028
		Pyrite 0.1%					
		Traces					
297.00	298.50	Py00.1	297.00	298.50	R226131	1.50	0.045
		Pyrite 0.1%					
		traces					
298.00	306.00	Vn;5%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60°					
		quartz-ankerite, spotty chlorite					
298.50	300.00	Py00.1	298.50	300.00	R226132	1.50	0.012
		Pyrite 0.1%					
		traces					
300.00	301.50	Py00.1; Py00.1	300.00	301.50	R226133	1.50	0.011
		Pyrite 0.1%; Pyrite 0.1%					
		traces					
301.50	303.00	Py00.1	301.50	303.00	R226134	1.50	0.021
		Pyrite 0.1%					
		traces					
303.00	304.50	Py00.1	303.00	304.50	R226135	1.50	0.013
		Pyrite 0.1%					
		traces					
304.20	335.60	V4; Por; Vol					
		Trachyte 70°; Porphyritic; VOLCANICLASTIC					
		Gradationally the holes goes into pinkish fine grained porphyritic trachyte contains 10-15% feldspatic phenoes in pinkish fine grained matrix. The unit is locally brecciated by the secondary quartz-ankerite veining, localized volcanoclastic (pumice)up to 8%.This unit is non magnetic and non calcitic. The unit shows moderate					

Description			Assay				
			From	To	Sample number	Length	AuBest
		pervasive ankerite and potassic alteration. The rock contains chlorite and specularite stringers veins and veinlets. It's mineralized traces to 0.5% euhedral and fine grained pyrite.					
304.50	306.00	Py00.1 **Pyrite 0.1%** traces	304.50	306.00	R226136	1.50	0.017
306.00	307.50	Py00.1 **Pyrite 0.1%** traces	306.00	307.50	R226137	1.50	0.006
307.50	309.00	Py00.1 **Pyrite 0.1%** traces	307.50	309.00	R226138	1.50	0.009
307.70	310.00	Bxh **Breccia healed** brecciated zone with fragments cement by quartz-ankerite veins					
308.00	312.00	Vn;5%;Qak;Sk;0°;; **vein (5 mm - 10 cm) 5% quartz-ankerite stockwork 0°** stockwork and infilled quartz-ankerite veins					
309.00	310.50	Py00.1 **Pyrite 0.1%** traces	309.00	310.50	R226139	1.50	0.01
310.50	312.00	Py00.1 **Pyrite 0.1%** traces	310.50	312.00	R226140	1.50	0.007
312.00	313.50	Py00.1 **Pyrite 0.1%** traces	312.00	313.50	R226141	1.50	0.013
313.50	315.00	Py00.1 **Pyrite 0.1%** traces	313.50	315.00	R226142	1.50	0.012
315.00	316.50	Py00.1 **Pyrite 0.1%** traces	315.00	316.50	R226143	1.50	0.016
316.50	318.00	Py00.1 **Pyrite 0.1%** traces	316.50	318.00	R226144	1.50	0.008
318.00	319.50	Py00.1 **Pyrite 0.1%** traces	318.00	319.50	R226145	1.50	0.009
319.50	321.00	Py00.5 **Pyrite 0.5%**	319.50	321.00	R226146	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite					
321.00	322.50	Py00.5	321.00	322.50	R226147	1.50	0.018
		Pyrite 0.5%					
		fine grained pyrite					
322.50	324.00	Py00.5	322.50	324.00	R226148	1.50	0.018
		Pyrite 0.5%					
		fine grained pyrite					
323.00	329.00	Vn;5%;Qak;Sk;60°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite stockwork 60°					
		stockwork and inffiled quartz-ankerite veins and veinlets					
324.00	325.50	Py00.5	324.00	325.50	R226149	1.50	0.021
		Pyrite 0.5%					
		fine grained pyrite					
325.50	327.00	Py00.5	325.50	327.00	R226152	1.50	0.023
		Pyrite 0.5%					
		fine grained pyrite					
326.80	328.50	Bxh					
		Breccia healed					
		brecciated zone with fragments cement by quartz-ankerite veins					
327.00	328.50	Py00.5	327.00	328.50	R226153	1.50	0.01
		Pyrite 0.5%					
		0.5 disseminated fine grained pyrite					
328.50	330.00	Py00.5	328.50	330.00	R226154	1.50	0.025
		Pyrite 0.5%					
		Fine grained disseminated reaches locally to 0.5% pyrite					
330.00	331.50	Py00.2	330.00	331.50	R226155	1.50	0.033
		Pyrite 0.2%					
		trace					
331.50	333.00	Py00.2	331.50	333.00	R226156	1.50	0.018
		Pyrite 0.2%					
		traces					
332.60	332.85	BBC					
		Broken Blocky Core					
		Broken blocky rock. The RQD is 0%.					
333.00	336.66	Alb02; K02; Ank02; Cl01	333.00	334.50	R226157	1.50	0.043
		Albite 2; Potassic 2; Ankerite 2; Chlorite 1					
		Pervasive moderate ankerite-albite-potassic alteration, weak chlorite					
333.00	334.50	Py00.2					
		Pyrite 0.2%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
334.50	336.00	Py00.2	334.50	336.00	R226158	1.50	0.035
		Pyrite 0.2%					
		traces					
335.60	346.00	QCVZ; Bx					
		Quartz Carbonate Vein Zone 30°; Brecciated					
		Massive whitish quartz ankerite vein including fragments of pinkish porphyritic trachyte brecciated the unit . It					
		is non magnetic, with traces of pyrite as mineralization					
335.66	347.00	Bxh					
		Breccia healed					
		Quartz-ankerite veins with fragments of trachyte					
336.00	337.50	Py00.1	336.00	337.50	R226159	1.50	0.01
		Pyrite 0.1%					
		traces					
336.66	346.00	Si03; Ank; K; Cl01; Se01					
		Silica 3; Ankerite; Potassic; Chlorite 1; Sericite 1					
		Intense silica and ankerite isolate potassic and sericite and weak chlorite alteration					
336.66	346.00	Vm;80%;Qak;Sk;60°;Py00.1;					
		major vein (10 cm or greater) 80% quartz-ankerite stockwork 60° Pyrite 0.1%					
		white stockwork and infilled quartz-ankerite veins including pinkish fragments at different size.					
337.50	339.00	Py00.1	337.50	339.00	R226160	1.50	0.01
		Pyrite 0.1%					
		traces					
339.00	340.50	Py00.1	339.00	340.50	R226161	1.50	0.008
		Pyrite 0.1%					
		traces					
340.50	342.00	Py00.1	340.50	342.00	R226162	1.50	0.006
		Pyrite 0.1%					
		traces					
342.00	343.50	Py00.1	342.00	343.50	R226163	1.50	0.02
		Pyrite 0.1%					
		traces					
343.50	345.00	Py00.1	343.50	345.00	R226164	1.50	0.005
		Pyrite 0.1%					
		traces					
345.00	346.50	Py00.1	345.00	346.50	R226165	1.50	0.01
		Pyrite 0.1%					
		trace					
346.00	382.00	V4; Por					
		Trachyte 70°; Porphyritic					
		Pinkish porphyritic trachyte, whitish feldspath phenos in aphanitic or fine grained matrix, presence of rare lithic					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fragments, pervasive intense ankerite-potassic alteration, weak to moderate intermittant silicification,					
		chlorite-specularite stringers, the entire unit is non magnetic, It's weakly mineralized with traces of pyrite.					
346.00	382.50	K02; Ank02; Se02; Cl01					
		Potassic 2; Ankerite 2; Sericite 2; Chlorite 1					
		Pervasive moderate to intense pervasive ankerite-potassic and sericite alteration, chlorite stringers.					
346.00	352.00	Vn;5%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60°					
		white quartz-ankerite veins quartz-ankerite					
346.50	348.00	Py00.1	346.50	348.00	R226166	1.50	0.032
		Pyrite 0.1%					
		trace					
348.00	349.50	Py00.1	348.00	349.50	R226167	1.50	0.016
		Pyrite 0.1%					
		trace					
349.50	351.00	Py00.1	349.50	351.00	R226168	1.50	0.02
		Pyrite 0.1%					
		trace					
351.00	352.50	Py00.1	351.00	352.50	R226169	1.50	0.034
		Pyrite 0.1%					
		traces					
352.50	354.00	Py00.1	352.50	354.00	R226170	1.50	0.022
		Pyrite 0.1%					
		traces					
354.00	355.50	Py00.1	354.00	355.50	R226171	1.50	0.013
		Pyrite 0.1%					
		traces					
355.50	357.00	Py00.2	355.50	357.00	R226172	1.50	0.005
		Pyrite 0.2%					
		traces					
357.00	358.50	Py00.2	357.00	358.50	R226173	1.50	0.006
		Pyrite 0.2%					
		traces					
358.50	360.00	Py00.2	358.50	360.00	R226174	1.50	<0.005
		Pyrite 0.2%					
		traces					
360.00	361.50	Py00.2	360.00	361.50	R226177	1.50	<0.005
		Pyrite 0.2%					
		traces					
361.50	363.00	Py00.2	361.50	363.00	R226178	1.50	<0.005
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		trace					
363.00	364.50	Py00.1	363.00	364.50	R226179	1.50	<0.005
		Pyrite 0.1%					
		traces					
364.50	366.00	Py00.1	364.50	366.00	R226180	1.50	0.007
		Pyrite 0.1%					
		traces					
366.00	367.50	Py00.1	366.00	367.50	R226181	1.50	0.007
		Pyrite 0.1%					
		traces					
367.50	369.00	Py00.1	367.50	369.00	R226182	1.50	0.011
		Pyrite 0.1%					
		traces					
369.00	370.50	Py00.1	369.00	370.50	R226183	1.50	0.016
		Pyrite 0.1%					
		traces					
370.50	372.00	Py00.1					
		Pyrite 0.1%					
		trace					
370.50	372.00	Vn;2%;Qak;In;2°;;	370.50	372.00	R226184	1.50	0.012
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 2°					
		white quartz-ankerite veins // Ca					
372.00	373.50	Py00.1	372.00	373.50	R226185	1.50	<0.005
		Pyrite 0.1%					
		traces					
373.50	375.00	Py00.1	373.50	375.00	R226186	1.50	0.005
		Pyrite 0.1%					
		traces					
375.00	376.50	Py00.1	375.00	376.50	R226187	1.50	0.006
		Pyrite 0.1%					
		traces					
376.50	378.00	Py00.1	376.50	378.00	R226188	1.50	0.006
		Pyrite 0.1%					
		traces					
378.00	379.50	Py00.1	378.00	379.50	R226189	1.50	0.029
		Pyrite 0.1%					
		traces					
379.50	381.00	Py00.1	379.50	381.00	R226190	1.50	0.01
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
381.00	382.50	Py00.1 **Pyrite 0.1%** traces	381.00	382.50	R226191	1.50	0.19
382.00	408.60	V4vcic; Lithic **trachtytic volcaniclastic 70°; LITHIC** Sharp irregular contact approximately @ 70 dtca marks the beginning of this unit. Reddish to pale pink grey trachyte with 20-35% litic fragments such as whitish pumice in a fine grained Matrix. The rock shows intense pervasive ankerite, weakly to moderately potassic, isolate chlorite and weak sericite alteration. The lower unit is magnetic from 397.5-407.20 m. Mineralisation consist of irregular disseminated fine grained pyrite traces to 0.5%. Quartz-ankerite veining @ average 45 dtca up 5%. The lower unit from 397-408.60 m is more massive with less and none litic fragments. In this interval the quartz-ankerite veining wide 1-5mm @ 45dtca increased up 10%.					
382.50	397.00	Ank03; K02; Cl01; Se01 **Ankerite 3; Potassic 2; Chlorite 1; Sericite 1** Pervasive intense ankerite, moderate potassic alteration, weak sericite-chlorite	382.50	384.00	R226192	1.50	0.014
382.50	384.00	Py00.2 **Pyrite 0.2%** traces					
384.00	385.50	Py00.5 **Pyrite 0.5%** traces	384.00	385.50	R226193	1.50	0.011
385.50	387.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite	385.50	387.00	R226194	1.50	0.035
387.00	388.50	Py00.5 **Pyrite 0.5%** euhedral pyrite	387.00	388.50	R226195	1.50	0.034
388.50	390.00	Py00.5 **Pyrite 0.5%** euherdral pyrite	388.50	390.00	R226196	1.50	0.145
390.00	391.50	Py00.2 **Pyrite 0.2%** traces	390.00	391.50	R226197	1.50	0.052
391.50	393.00	Py00.5 **Pyrite 0.5%** euhedral pyrite diss	391.50	393.00	R226198	1.50	0.018
393.00	394.50	Py00.5 **Pyrite 0.5%**	393.00	394.50	R226199	1.50	0.017

Description			Assay				
			From	To	Sample number	Length	AuBest
		euhedral pyrite diss					
394.50	396.00	Py00.5	394.50	396.00	R226202	1.50	0.02
		Pyrite 0.5%					
		euhedral pyrite diss					
396.00	397.50	Py00.1					
		Pyrite 0.1%					
		traces					
396.00	407.20	Vn;10%;Qak;In;45°;;	396.00	397.50	R226203	1.50	0.022
		vein (5 mm - 10 cm) 10% infilled fractures 45°					
		In this interval quartz ankerite veins and veinlets @45 dtca increase up 10%.					
397.00	408.00	Ank03; Cl02					
		Ankerite 3; Chlorite 2					
		Pervasive intense ankerite, isolate potassic alteration, moderate chlorite, weak sericite					
397.50	399.00	Py00.1	397.50	399.00	R226204	1.50	0.009
		Pyrite 0.1%					
		traces					
399.00	400.50	Py00.1	399.00	400.50	R226205	1.50	0.008
		Pyrite 0.1%					
		traces					
400.50	402.00	Py00.1	400.50	402.00	R226206	1.50	<0.005
		Pyrite 0.1%					
		traces					
402.00	403.50	Py00.1	402.00	403.50	R226207	1.50	0.009
		Pyrite 0.1%					
		traces					
403.50	405.00	Py00.5	403.50	405.00	R226208	1.50	0.011
		Pyrite 0.5%					
		fine grained and euhedral pyrite					
405.00	406.50	Py00.5	405.00	406.50	R226209	1.50	0.013
		Pyrite 0.5%					
		fine grained and euhedral pyrite irre diss					
406.50	408.00	Py00.1	406.50	408.00	R226210	1.50	0.087
		Pyrite 0.1%					
		traces					
408.00	418.00	Ank03; Cl03; Se01	408.00	409.50	R226211	1.50	0.013
		Ankerite 3; Chlorite 3; Sericite 1					
		Intense pervasive chlorite ankerite, weak sericite.					
408.00	409.50	Py00.1					
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
408.60	435.67	V4T; LapTuff					
		Trachytic tuff 40°; LAPILLI TUFF/AGGLOMERATE					
		A change in color and texture marks the beginning of this unit. Fine grained greenish matrix contains					
		pyroclastic fragments and lapilli. This interval is weakly brecciated with weak foliation and localized bedding.					
		Somewhere it is mixed by massive trachyte flow. The upper unit is broken into small pieces (409.20-411.80 m.					
		This unit is altered to pervasive intense ankerite chlorite and weak sericite, with localized potassic alteration.					
		The unit is magnetic and non calcitic. The mineralization of pyrite is traces.					
409.35	409.80	BBC					
		Broken Blocky Core					
		In this interval the rock strongly has broken due to drilling condition or rock brittleness. The RQD is 0%					
409.50	411.00	Py00.1	409.50	411.00	R226212	1.50	<0.005
		Pyrite 0.1%					
		traces					
410.90	411.80	BBC					
		Broken Blocky Core					
		In this interval the rock strongly has broken due to drilling condition or rock brittleness. The RQD is 0%					
411.00	412.50	Py00.1	411.00	412.50	R226213	1.50	0.022
		Pyrite 0.1%					
		traces					
412.50	414.00	Py00.1	412.50	414.00	R226214	1.50	<0.005
		Pyrite 0.1%					
		traces					
414.00	415.50	Py00.1	414.00	415.50	R226215	1.50	<0.005
		Pyrite 0.1%					
		traces					
415.50	417.00	Py00.1	415.50	417.00	R226216	1.50	0.005
		Pyrite 0.1%					
		traces					
417.00	418.50	Py00.1	417.00	418.50	R226217	1.50	0.009
		Pyrite 0.1%					
		traces					
418.00	435.00	Ank03; Cl02; K01					
		Ankerite 3; Chlorite 2; Potassic 1					
		Intense pervasive ankerite, moderate pervasvie dark chlorite, pacthy potassic alteration					
418.50	420.00	Py00.1	418.50	420.00	R226218	1.50	0.021
		Pyrite 0.1%					
		traces					
420.00	421.50	Py00.1	420.00	421.50	R226219	1.50	0.011
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
421.50	423.00	Py00.1 **Pyrite 0.1%** traces	421.50	423.00	R226220	1.50	0.011
423.00	424.50	Py00.1 **Pyrite 0.1%** traces	423.00	424.50	R226221	1.50	<0.005
424.50	426.00	Py00.1 **Pyrite 0.1%** traces	424.50	426.00	R226222	1.50	<0.005
426.00	427.50	Py00.1 **Pyrite 0.1%** traces	426.00	427.50	R226223	1.50	<0.005
427.50	429.00	Py00.1 **Pyrite 0.1%** traces	427.50	429.00	R226224	1.50	<0.005
429.00	430.50	Py00.1 **Pyrite 0.1%** traces	429.00	430.50	R226227	1.50	<0.005
430.50	432.00	Py00.1 **Pyrite 0.1%** traces	430.50	432.00	R226228	1.50	<0.005
432.00	433.50	Py00.1 **Pyrite 0.1%** traces	432.00	433.50	R226229	1.50	0.006
433.50	435.00	Py00.1 **Pyrite 0.1%** traces	433.50	435.00	R226230	1.50	0.015
434.10	434.75	BBC **Broken Blocky Core** In this interval the rock strongly has broken due to drilling condition or rock brittleness. The RQD is 0%					
435.00	453.00	Ank03; K02; Cl02; Se01 **Ankerite 3; Potassic 2; Chlorite 2; Sericite 1** Intense potassic alteration, spotty weak to moderate chlorite- sericite	435.00	436.50	R226231	1.50	0.007
435.00	436.50	Py00.1 **Pyrite 0.1%** traces					
435.67	453.00	V4; Mass; Bx **Trachyte 60°; Massive; Brecciated** Gradationally the hole goes it to mixed flow and tuff unit. This narrow interval is massive pal pinkish -green color and fine grained trachytic. The unit cross cut by a network of quartz-ankerite veins and veinlets @					

Description			Assay				
			From	To	Sample number	Length	AuBest
		variable orientation up to 15%, it also brecciated. Somewhere this unit localize by feldspatic phenoes. The alteration consists intense pervasive ankerite, isolate moderate to weak chlorite-sericite. The magnetism is intermittent, Its mineralized traces to 0.5 % by fine grained pyrite disseminated as well as stringers, . Some veinlets contain splashes of chalcopyrite 443.80-443.81.					
436.00	448.00	Vn;5%;Qak;In;70°;; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70°** white quartz-ankerite veins and veinlets with traces of pyrite					
436.50	438.00	Py00.2 **Pyrite 0.2%** traces	436.50	438.00	R226232	1.50	0.015
438.00	439.50	Py00.5 **Pyrite 0.5%** Fine grained pyrite as stringers	438.00	439.50	R226233	1.50	0.019
439.50	441.00	Py00.1 **Pyrite 0.1%** traces	439.50	441.00	R226234	1.50	0.008
441.00	442.50	Py00.1 **Pyrite 0.1%** traces	441.00	442.50	R226235	1.50	0.01
442.50	444.00	Cp00.5; Py00.1 **Chalcopyrite 0.5%; Pyrite 0.1%** Massive chalcopyrite in veins	442.50	444.00	R226236	1.50	<0.005
444.00	445.50	Py00.2 **Pyrite 0.2%** stringes	444.00	445.50	R226237	1.50	<0.005
445.50	447.00	Py00.1 **Pyrite 0.1%** stringers	445.50	447.00	R226238	1.50	0.03
447.00	448.50	Py00.2; Py **Pyrite 0.2%; Pyrite** traces	447.00	448.50	R226239	1.50	0.013
448.50	450.00	Py00.2 **Pyrite 0.2%** traces	448.50	450.00	R226240	1.50	<0.005
449.03	467.00	Fln **Foliation 60°** weak- moderate foliation					
450.00	451.50	Py00.1 **Pyrite 0.1%** traces	450.00	451.50	R226241	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
451.50	453.00	Py00.5 **Pyrite 0.5%** Euhedral and fine grained pyrite	451.50	453.00	R226242	1.50	0.026
453.00	482.89	V9L **Lapilli Tuff 50°** In this point the rock become more toffeseuse and shows a moderate foliation @ 40 dtca. It is green grey color with fine grained matrix that moderately shows deformation. The upper contact 440.03-453.50 m has fragments of pinkish trachyte 5-30 cm. The lapilli tuff is weak to moderate foliated 40-80 dtca with localized bedding/ laminations, A few litic fragments and pumices, The rock pervade by a series of pinkish secondary quartz-carbonates veins and veinlets @ 30-80 dtca. Alteration consists of pervasive intense ankerite and chlorite, isolate potassic and moderate sericite alteration. The magnetism is pervasive and moderate. Mineralization consist of traces of fine or or euhedral pyrite, with traces of chalcopyrite in veinlets. From 462-465 the unit contains a series of narrow breccias that strongly sericitized and fragmented.					
453.00	482.89	Cl03; Ank02; K01; Se01 **Chlorite 3; Ankerite 2; Potassic 1; Sericite 1** Pervasive intense chlorite, moderate pervasive ankerite, spotty weak potassic-sericite	453.00	454.50	R226243	1.50	0.005
453.00	454.50	Py00.1 **Pyrite 0.1%** traces					
454.50	456.00	Py00.1 **Pyrite 0.1%** traces	454.50	456.00	R226244	1.50	<0.005
456.00	457.50	Py00.1 **Pyrite 0.1%** traces	456.00	457.50	R226245	1.50	0.005
457.50	459.00	Pyo.1 **Pyrite o.1** traces	457.50	459.00	R226246	1.50	<0.005
459.00	460.50	Py00.1 **Pyrite 0.1%** traces	459.00	460.50	R226247	1.50	<0.005
460.50	462.00	Py00.1 **Pyrite 0.1%** traces	460.50	462.00	R226248	1.50	<0.005
462.00	463.50	Py00.1 **Pyrite 0.1%** traces	462.00	463.50	R226249	1.50	<0.005
463.50	465.00	Py00.1 **Pyrite 0.1%** traces	463.50	465.00	R226252	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
465.00	466.50	Py00.1 **Pyrite 0.1%** traces	465.00	466.50	R226253	1.50	<0.005
466.50	468.00	Py00.1 **Pyrite 0.1%** traces					
466.50	472.50	Vn;5%;Qak;In;60°;; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60°** white or reddish quartz-ankerite veins and veinlets, altered traces of pyrite	466.50	468.00	R226254	1.50	<0.005
467.00	482.89	Fln **Foliation 40°** moderate foliation					
468.00	469.50	Py00.1 **Pyrite 0.1%** traces	468.00	469.50	R226255	1.50	<0.005
469.50	471.00	Py00.1 **Pyrite 0.1%** traces	469.50	471.00	R226256	1.50	<0.005
471.00	472.50	Py00.2 **Pyrite 0.2%** traces	471.00	472.50	R226257	1.50	<0.005
472.50	474.00	Py00.1 **Pyrite 0.1%** traces	472.50	474.00	R226258	1.50	<0.005
474.00	475.50	Py00.1 **Pyrite 0.1%** traces	474.00	475.50	R226259	1.50	<0.005
475.50	477.00	Py00.1 **Pyrite 0.1%** traces	475.50	477.00	R226260	1.50	<0.005
477.00	478.50	Py00.1 **Pyrite 0.1%** traces	477.00	478.50	R226261	1.50	0.01
478.00	478.50	Vn;20%;Qac;In;50°;; **vein (5 mm - 10 cm) 20% quartz-ankerite-chlorite infilled fractures 50°** quartz-ankerite-chlorite intersect by secondary pinkish quartz veinlets					
478.50	480.00	Py00.1 **Pyrite 0.1%** traces	478.50	480.00	R226262	1.50	<0.005
480.00	481.50	Py00.1	480.00	481.50	R226263	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
480.90	481.50	Vn;5%;Qak;In;40°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 40°					
		white quartz-ankerite veins					
481.50	482.89	Py00.1	481.50	482.89	R226264	1.39	<0.005
		Pyrite 0.1%					
		traces					
482.89		**End of DDH**					
		Number of samples: 280					
		Number of QAQC samples: 24					
		Total sampled length: 414.49					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_100

Drilled by:	Major	Claims title:		Section:	
Described by:	A Richardson	Township:		Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	26/05/2014	Description date:	16/06/2014
		To:	11/06/2014		

Collar

Azimuth: 0.0°
Dip: -60.0°
Length: 495.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	584,000.039
North	0.0	0.000	5,331,301.861
Elevation	0.0	0.000	355.972

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-60.0°	No	
ReflexEZS	105.00	359.0°	-63.2°	No	Mag = 54792
ReflexEZS	165.00	355.9°	-62.8°	No	Mag = 53926
ReflexEZS	225.00	356.1°	-62.7°	No	Mag = 53651
ReflexEZS	285.00	359.0°	-62.1°	No	Mag = 54544
ReflexEZS	345.00	2.3°	-60.8°	No	Mag = 54337
ReflexEZS	405.00	2.3°	-60.7°	No	Mag = 54522
ReflexEZS	465.00	3.9°	-60.4°	No	Mag = 54441
ReflexEZS	495.00	1.5°	-60.1°	No	Mag = 54944

Description

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	90.60	OVB						
		Overburden						
		overburden						
90.60	220.35	V9						
		Tuff						
		dark green, chloritic, well foliated, pervasive moderate calcite/chlorite/magnetite alteration (greenschist), very fine grained tuffaceous unit with patchy zones of fine grained disseminated pyrite, typically trace to .5% but up to 2% locally. Crosscutting calcite stringers common, up to 5%.						
90.60	220.35	Cl02; Ca02; Mgt02						
		Chlorite 2; Calcite 2; Magnetite 2						
		moderate, pervasive						
90.60	220.35	Vt;5%;Ca;;;;		90.60	92.00	Q300735	1.40	0.007
		veinlet (1-5 mm) 5% calcite		92.00	93.50	Q300736	1.50	0.008
		crosscutting calcite veinlets.		93.50	95.00	Q300737	1.50	0.01
				95.00	96.50	Q300738	1.50	<0.005
				96.50	98.00	Q300739	1.50	0.011
				98.00	99.50	Q300740	1.50	0.011
				99.50	101.00	Q300741	1.50	0.005
				101.00	102.50	Q300742	1.50	0.013
102.50	104.00	Py00.1		102.50	104.00	Q300743	1.50	0.076
		Pyrite 0.1%		104.00	105.50	Q300744	1.50	0.018
		fgr disseminated		105.50	107.00	Q300745	1.50	0.013
				107.00	108.50	Q300746	1.50	0.032
				108.50	110.00	Q300747	1.50	0.015
				110.00	111.50	Q300748	1.50	0.007
111.50	113.00	Py00.1		111.50	113.00	Q300749	1.50	<0.005
		Pyrite 0.1%		113.00	114.50	Q300752	1.50	0.014
		fgr dis		114.50	116.00	Q300753	1.50	0.008
				116.00	117.50	Q300754	1.50	0.009
				117.50	119.00	Q300755	1.50	0.007
119.00	120.50	Py00.5		119.00	120.50	Q300756	1.50	0.014
		Pyrite 0.5%						
		fgr dis						
120.50	122.00	Py00.1		120.50	122.00	Q300757	1.50	0.009
		Pyrite 0.1%						
		fgr dis						

Description			Assay				
			From	To	Sample number	Length	AuBest
122.00	123.50	Py02 **Pyrite 2%** fgr dis	122.00	123.50	Q300758	1.50	0.017
123.50	125.00	Py00.1 **Pyrite 0.1%** fgr dis	123.50	125.00	Q300759	1.50	0.023
			125.00	126.50	Q300760	1.50	0.021
			126.50	128.00	Q300761	1.50	0.034
			128.00	129.50	Q300762	1.50	0.039
			129.50	131.00	Q300763	1.50	0.029
			131.00	132.50	Q300764	1.50	0.046
			132.50	134.00	Q300765	1.50	0.083
			134.00	135.50	Q300766	1.50	0.187
			135.50	137.00	Q300767	1.50	0.068
137.00	138.50	Py00.5 **Pyrite 0.5%** fgr dis	137.00	138.50	Q300768	1.50	0.064
			138.50	140.00	Q300769	1.50	0.072
140.00	141.50	Py00.5 **Pyrite 0.5%** fgr dis	140.00	141.50	Q300770	1.50	0.055
			141.50	143.00	Q300771	1.50	0.068
			143.00	144.50	Q300772	1.50	0.035
			144.50	146.00	Q300773	1.50	0.031
			146.00	147.50	Q300774	1.50	0.038
			147.50	149.00	Q300777	1.50	0.069
			149.00	150.50	Q300778	1.50	0.421
			150.50	152.00	Q300779	1.50	0.018
152.00	156.50	Py00.5 **Pyrite 0.5%** fgr dis	152.00	153.50	Q300780	1.50	0.074
			153.50	155.00	Q300781	1.50	0.042
			155.00	156.50	Q300782	1.50	0.014
			156.50	158.00	Q300783	1.50	0.025
			158.00	159.50	Q300784	1.50	0.015
			159.50	161.00	Q300785	1.50	0.018
			161.00	162.50	Q300786	1.50	0.033
			162.50	164.00	Q300787	1.50	0.185
			164.00	165.50	Q300788	1.50	0.342
			165.50	167.00	Q300789	1.50	0.078
			167.00	168.50	Q300790	1.50	0.078
			168.50	170.00	Q300791	1.50	0.025

Description			Assay				
			From	To	Sample number	Length	AuBest
			170.00	171.50	Q300792	1.50	0.02
			171.50	173.00	Q300793	1.50	0.015
			173.00	174.50	Q300794	1.50	0.009
			174.50	176.00	Q300795	1.50	0.008
			176.00	177.50	Q300796	1.50	0.016
			177.50	179.00	Q300797	1.50	1.035
			179.00	180.50	Q300798	1.50	0.545
			180.50	182.00	Q300799	1.50	0.098
182.00	186.00	Py00.1 **Pyrite 0.1%** fgr dis	182.00	183.50	Q300802	1.50	0.261
			183.50	185.00	Q300803	1.50	0.087
			185.00	186.50	Q300804	1.50	1.765
			186.50	188.00	Q300805	1.50	0.09
			188.00	189.50	Q300806	1.50	0.067
			189.50	191.00	Q300807	1.50	0.392
			191.00	192.50	Q300808	1.50	0.066
			192.50	194.00	Q300809	1.50	0.168
			194.00	195.50	Q300810	1.50	0.107
			195.50	197.00	Q300811	1.50	0.09
			197.00	198.50	Q300812	1.50	0.058
			198.50	200.00	Q300813	1.50	0.056
			200.00	201.50	Q300814	1.50	0.09
			201.50	203.00	Q300815	1.50	0.024
			203.00	204.50	Q300816	1.50	0.217
			204.50	206.00	Q300817	1.50	0.03
			206.00	207.50	Q300818	1.50	0.052
			207.50	209.00	Q300819	1.50	0.022
			209.00	210.50	Q300820	1.50	0.025
			210.50	212.00	Q300821	1.50	0.012
			212.00	213.50	Q300822	1.50	0.024
			213.50	215.00	Q300823	1.50	0.041
			215.00	216.50	Q300824	1.50	0.009
			216.50	218.00	Q300827	1.50	0.109
			218.00	219.50	Q300828	1.50	0.48
			219.50	221.00	Q300829	1.50	0.024

Description			Assay				
			From	To	Sample number	Length	AuBest
220.35	235.79	V4; Fol					
		Trachyte; Foliated					
		Brownish pink trachytic flow. Moderately foliated, pervasively moderately chloritized and weakly ankeritized with patchy fine grained disseminated pyrite mineralization. Weak patchy magnetism. Crosscut by up to 5% chlorite stringers, up to 5% calcite stringers and 5-10% ankerite stringers and veins.					
220.35	235.79	Ank; Cl					
		Ankerite; Chlorite					
		weak to moderately pervasive					
220.35	235.79	Vt;5%;Ca Cl Ak;;;;	221.00	222.50	Q300830	1.50	2.27
		veinlet (1-5 mm) 5% calcite chlorite ankerite	222.50	224.00	Q300831	1.50	0.434
		Chlorite and calcite as stringers, ankerite as patchy veins	224.00	225.50	Q300832	1.50	0.278
			225.50	227.00	Q300833	1.50	0.251
			227.00	228.50	Q300834	1.50	0.793
			228.50	230.00	Q300835	1.50	0.056
			230.00	231.50	Q300836	1.50	0.105
			231.50	233.00	Q300837	1.50	0.06
			233.00	234.50	Q300838	1.50	1.435
			234.50	236.00	Q300839	1.50	6.2
235.79	495.00	V9	236.00	237.50	Q300840	1.50	2.3
		Tuff	237.50	239.00	Q300841	1.50	0.246
		As above	239.00	240.50	Q300842	1.50	0.014
			240.50	242.00	Q300843	1.50	0.078
			242.00	243.50	Q300844	1.50	0.042
			243.50	245.00	Q300845	1.50	0.078
			245.00	246.50	Q300846	1.50	0.031
			246.50	248.00	Q300847	1.50	0.017
			248.00	249.50	Q300848	1.50	0.035
			249.50	251.00	Q300849	1.50	0.008
			251.00	252.50	Q300852	1.50	0.033
			252.50	254.00	Q300853	1.50	0.046
			254.00	255.50	Q300854	1.50	0.008
			255.50	257.00	Q300855	1.50	0.028
			257.00	258.50	Q300856	1.50	0.05
			258.50	260.00	Q300857	1.50	0.049
			260.00	261.50	Q300858	1.50	0.034

Description			Assay				
			From	To	Sample number	Length	AuBest
			261.50	263.00	Q300859	1.50	0.073
			263.00	264.50	Q300860	1.50	0.043
			264.50	266.00	Q300861	1.50	0.019
			266.00	267.50	Q300862	1.50	0.063
			267.50	269.00	Q300863	1.50	0.042
			269.00	270.50	Q300864	1.50	0.138
			270.50	272.00	Q300865	1.50	0.15
			272.00	273.50	Q300866	1.50	0.013
			273.50	275.00	Q300867	1.50	0.009
			275.00	276.50	Q300868	1.50	<0.005
			276.50	278.00	Q300869	1.50	<0.005
			278.00	279.50	Q300870	1.50	0.079
			279.50	281.00	Q300871	1.50	<0.005
			281.00	282.50	Q300872	1.50	0.006
			282.50	284.00	Q300873	1.50	0.168
235.79	283.27	Cl; Ank					
		Chlorite; Ankerite					
		moderate and pervasive, weak to moderate					
235.79	285.00	Vn;2%;Ak;;;;					
		vein (5 mm - 10 cm) 2% ankerite					
		Ankerite iin veins, associated with potassic alteraion					
283.27	495.00	Ca01; Cl01	284.00	285.50	Q300874	1.50	0.366
		Calcite 1; Chlorite 1	285.50	287.00	Q300877	1.50	0.027
		pervasive weak	287.00	288.50	Q300878	1.50	0.012
			288.50	290.00	Q300879	1.50	1.93
			290.00	291.50	Q300880	1.50	2.08
			291.50	293.00	Q300881	1.50	0.149
			293.00	294.50	Q300882	1.50	0.582
			294.50	296.00	Q300883	1.50	0.009
			296.00	297.50	Q300884	1.50	0.01
			297.50	299.00	Q300885	1.50	0.008
			299.00	300.50	Q300886	1.50	0.005
			300.50	302.00	Q300887	1.50	0.01
			302.00	303.50	Q300888	1.50	0.006
			303.50	305.00	Q300889	1.50	0.059

Description	Assay				
	From	To	Sample number	Length	AuBest
	305.00	306.50	Q300890	1.50	0.118
	306.50	308.00	Q300891	1.50	0.244
	308.00	309.50	Q300892	1.50	0.061
	309.50	311.00	Q300893	1.50	1
	311.00	312.50	Q300894	1.50	0.028
	312.50	314.00	Q300895	1.50	0.044
	314.00	315.50	Q300896	1.50	0.447
	315.50	317.00	Q300897	1.50	1.53
	317.00	318.50	Q300898	1.50	0.245
	318.50	320.00	Q300899	1.50	0.066
	320.00	321.50	Q300902	1.50	0.031
	321.50	323.00	Q300903	1.50	0.014
	323.00	324.50	Q300904	1.50	0.016
	324.50	326.00	Q300905	1.50	0.018
	326.00	327.50	Q300906	1.50	0.24
	327.50	329.00	Q300907	1.50	0.014
	329.00	330.50	Q300908	1.50	0.018
	330.50	332.00	Q300909	1.50	<0.005
	332.00	333.50	Q300910	1.50	0.01
	333.50	335.00	Q300911	1.50	0.005
	335.00	336.50	Q300912	1.50	0.007
	336.50	338.00	Q300913	1.50	0.011
	338.00	339.50	Q300914	1.50	0.006
	339.50	341.00	Q300915	1.50	0.012
	341.00	342.50	Q300916	1.50	0.009
	342.50	344.00	Q300917	1.50	0.008
	344.00	345.50	Q300918	1.50	0.013
	345.50	347.00	Q300919	1.50	0.043
	347.00	348.50	Q300920	1.50	0.019
	348.50	350.00	Q300921	1.50	0.021
	350.00	351.50	Q300922	1.50	0.016
	351.50	353.00	Q300923	1.50	0.018
	353.00	354.50	Q300924	1.50	0.007
	354.50	356.00	Q300927	1.50	0.017

Description			Assay				
			From	To	Sample number	Length	AuBest
			356.00	357.50	Q300928	1.50	0.026
			357.50	359.00	Q300929	1.50	0.014
			359.00	360.50	Q300930	1.50	0.051
			360.50	362.00	Q300931	1.50	0.012
			362.00	363.50	Q300932	1.50	0.013
			363.50	365.00	Q300933	1.50	0.022
365.00	366.50	Py00.1	365.00	366.50	Q300934	1.50	0.017
		Pyrite 0.1%					
		fgr dis					
366.50	368.00	Py02	366.50	368.00	Q300935	1.50	0.364
		Pyrite 2%					
		fgr dis					
368.00	369.50	Py01	368.00	369.50	Q300936	1.50	1.09
		Pyrite 1%					
		fgr dis					
369.50	372.50	Py00.1	369.50	371.00	Q300937	1.50	2.34
		Pyrite 0.1%	371.00	372.50	Q300938	1.50	1.47
		fgr dis	372.50	374.00	Q300939	1.50	0.517
374.00	375.50	Py01	374.00	375.50	Q300940	1.50	0.073
		Pyrite 1%					
		fgr dis					
375.50	378.50	Py02	375.50	377.00	Q300941	1.50	0.215
		Pyrite 2%	377.00	378.50	Q300942	1.50	0.499
		fgr dis	378.50	380.00	Q300943	1.50	0.452
			380.00	381.50	Q300944	1.50	0.593
			381.50	383.00	Q300945	1.50	0.275
			383.00	384.50	Q300946	1.50	0.271
			384.50	386.00	Q300947	1.50	0.033
			386.00	387.50	Q300948	1.50	0.048
			387.50	389.00	Q300949	1.50	0.094
389.00	390.50	Py00.1	389.00	390.50	Q300952	1.50	0.721
		Pyrite 0.1%	390.50	392.00	Q300953	1.50	0.158
		fgr dis	392.00	393.50	Q300954	1.50	0.012
			393.50	395.00	Q300955	1.50	0.278
			395.00	396.50	Q300956	1.50	0.067
			396.50	398.00	Q300957	1.50	0.136

Description	Assay				
	From	To	Sample number	Length	AuBest
	398.00	399.50	Q300958	1.50	0.055
	399.50	401.00	Q300959	1.50	0.027
	401.00	402.50	Q300960	1.50	0.021
	402.50	404.00	Q300961	1.50	0.018
	404.00	405.50	Q300962	1.50	0.019
	405.50	407.00	Q300963	1.50	0.087
	407.00	408.50	Q300964	1.50	0.054
	408.50	410.00	Q300965	1.50	0.026
	410.00	411.50	Q300966	1.50	0.072
	411.50	413.00	Q300967	1.50	0.011
	413.00	414.50	Q300968	1.50	0.018
	414.50	416.00	Q300969	1.50	0.01
	416.00	417.50	Q300970	1.50	<0.005
	417.50	419.00	Q300971	1.50	0.025
	419.00	420.50	Q300972	1.50	0.017
	420.50	422.00	Q300973	1.50	0.028
	422.00	423.50	Q300974	1.50	0.027
	423.50	425.00	Q300977	1.50	0.023
	425.00	426.50	Q300978	1.50	0.017
	426.50	428.00	Q300979	1.50	0.011
	428.00	429.50	Q300980	1.50	0.011
	429.50	431.00	Q300981	1.50	0.015
	431.00	432.50	Q300982	1.50	0.021
	432.50	434.00	Q300983	1.50	0.031
	434.00	435.50	Q300984	1.50	0.036
	435.50	437.00	Q300985	1.50	0.121
	437.00	438.50	Q300986	1.50	0.023
	438.50	440.00	Q300987	1.50	0.017
	440.00	441.50	Q300988	1.50	0.021
	441.50	443.00	Q300989	1.50	0.018
	443.00	444.50	Q300990	1.50	0.014
	444.50	446.00	Q300991	1.50	0.016
	446.00	447.50	Q300992	1.50	0.012
	447.50	449.00	Q300993	1.50	0.011

Description	Assay				
	From	To	Sample number	Length	AuBest
	449.00	450.50	Q300994	1.50	0.007
	450.50	452.00	Q300995	1.50	0.013
	452.00	453.50	Q300996	1.50	0.011
	453.50	455.00	Q300997	1.50	0.024
	455.00	456.50	Q300998	1.50	0.023
	456.50	458.00	Q300999	1.50	<0.005
	458.00	459.50	Q282852	1.50	<0.005
	459.50	461.00	Q282853	1.50	<0.005
	461.00	462.50	Q282854	1.50	<0.005
	462.50	464.00	Q282855	1.50	0.009
	464.00	465.50	Q282856	1.50	0.008
	465.50	467.00	Q282857	1.50	0.005
	467.00	468.50	Q282858	1.50	0.005
	468.50	470.00	Q282859	1.50	0.007
	470.00	471.50	Q282860	1.50	0.005
	471.50	473.00	Q282861	1.50	0.011
	473.00	474.50	Q282862	1.50	0.008
	474.50	476.00	Q282863	1.50	<0.005
	476.00	477.50	Q282864	1.50	<0.005
	477.50	479.00	Q282865	1.50	<0.005
	479.00	480.50	Q282866	1.50	<0.005
	480.50	482.00	Q282867	1.50	<0.005
	482.00	483.50	Q282868	1.50	<0.005
	483.50	485.00	Q282869	1.50	<0.005
	485.00	486.50	Q282870	1.50	<0.005
	486.50	488.00	Q282871	1.50	0.008
	488.00	489.50	Q282872	1.50	<0.005
	489.50	491.00	Q282873	1.50	<0.005
	491.00	492.50	Q282874	1.50	0.012
	492.50	494.00	Q282877	1.50	0.013
	494.00	495.00	Q282878	1.00	0.007
495.00	**End of DDH**				
	Number of samples: 270				
	Number of QAQC samples: 24				
	Total sampled length: 404.40				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_101

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: A Richardson

From: 11/06/2014
To: 16/06/2014

Description date: 23/06/2014

Collar

Azimuth: 0.0°
Dip: -50.0°
Length: 375.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	583,949.654
North	0.0	0.000	5,331,361.641
Elevation	0.0	0.000	356.722

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-50.0°	No	
ReflexEZS	102.00	4.1°	-53.6°	No	Mag = 54604
ReflexEZS	162.00	2.9°	-52.4°	No	Mag = 54363
ReflexEZS	222.00	2.1°	-51.2°	No	Mag = 54269
ReflexEZS	282.00	2.3°	-50.0°	No	Mag = 54139
ReflexEZS	342.00	5.0°	-49.2°	No	Mag = 54419
ReflexEZS	375.00	4.7°	-49.0°	No	Mag = 54822

Description

Core size: NQ
Cemented: Yes
Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	88.10	OVB **Overburden** ovb casing					
88.10	142.80	V4; FlBand **Trachyte; FLOWBANDED** Light grey, very fine grained trachyte flow with boudinaged ankerite veins. Moderately foliated, weak pervasive chlorite and ankerite alteration, weak to moderate patchy magnetism. Trace to locally up to 1% very fine disseminated pyrite. Local ankerite vein zones.	88.10	89.50	Q282879	1.40	0.655
			89.50	91.00	Q282880	1.50	0.251
			91.00	92.50	Q282881	1.50	0.602
			92.50	94.00	Q282882	1.50	0.07
			94.00	95.50	Q282883	1.50	0.018
			95.50	97.00	Q282884	1.50	0.045
			97.00	98.50	Q282885	1.50	0.093
			98.50	100.00	Q282886	1.50	0.322
			100.00	101.50	Q282887	1.50	0.451
			101.50	103.00	Q282888	1.50	0.227
			103.00	104.50	Q282889	1.50	0.15
			104.50	106.00	Q282890	1.50	0.197
88.10	112.96	Ank01; Cl01 **Ankerite 1; Chlorite 1** weak, pervasive					
105.09	105.10	Stg **Stretched grains/features** Boudinage	106.00	107.50	Q282891	1.50	0.028
			107.50	109.00	Q282892	1.50	0.052
			109.00	110.50	Q282893	1.50	0.175
			110.50	112.00	Q282894	1.50	0.057
			112.00	113.50	Q282895	1.50	0.054
112.96	113.13	Ank01; K01 **Ankerite 1; Potassic 1** with ankerite in vein					
113.13	117.60	Ank01; Cl01 **Ankerite 1; Chlorite 1** pervasive	113.50	115.00	Q282896	1.50	0.087
			115.00	116.50	Q282897	1.50	0.55
			116.50	118.00	Q282898	1.50	0.57
117.60	118.35	Ank01; K01 **Ankerite 1; Potassic 1** with ankerite in veins	118.00	119.50	Q282899	1.50	1.98
118.35	142.80	Ank01; Cl01 **Ankerite 1; Chlorite 1** pervasive	119.50	121.00	Q282902	1.50	0.352
			121.00	122.50	Q282903	1.50	0.005
			122.50	124.00	Q282904	1.50	0.03
			124.00	125.50	Q282905	1.50	0.016

Description			Assay				
			From	To	Sample number	Length	AuBest
			125.50	127.00	Q282906	1.50	0.041
			127.00	128.50	Q282907	1.50	<0.005
			128.50	130.00	Q282908	1.50	0.118
			130.00	131.50	Q282909	1.50	0.117
			131.50	133.00	Q282910	1.50	0.008
			133.00	134.50	Q282911	1.50	0.089
			134.50	136.00	Q282912	1.50	0.524
			136.00	137.50	Q282913	1.50	0.156
			137.50	139.00	Q282914	1.50	0.018
			139.00	140.50	Q282915	1.50	0.031
			140.50	142.00	Q282916	1.50	0.462
			142.00	143.50	Q282917	1.50	0.252
142.80	375.00	V9; Fol					
		Tuff; Foliated					
		Dark greenish grey, moderately foliated, weakly to moderately chloritic with pervasive calcite and magnetite.					
142.80	375.00	Cl01; Ca01	143.50	145.00	Q282918	1.50	0.012
		Chlorite 1; Calcite 1	145.00	146.50	Q282919	1.50	0.075
		pervasive	146.50	148.00	Q282920	1.50	0.016
			148.00	149.50	Q282921	1.50	<0.005
			149.50	151.00	Q282922	1.50	0.045
			151.00	152.50	Q282923	1.50	0.006
			152.50	154.00	Q282924	1.50	0.011
			154.00	155.50	Q282927	1.50	0.005
			155.50	157.00	Q282928	1.50	0.006
			157.00	158.50	Q282929	1.50	0.011
			158.50	160.00	Q282930	1.50	0.123
			160.00	161.50	Q282931	1.50	0.044
			161.50	163.00	Q282932	1.50	0.006
			163.00	164.50	Q282933	1.50	0.008
			164.50	166.00	Q282934	1.50	0.04
			166.00	167.50	Q282935	1.50	0.014
			167.50	169.00	Q282936	1.50	0.012
			169.00	170.50	Q282937	1.50	0.005
			170.50	172.00	Q282938	1.50	0.005
			172.00	173.50	Q282939	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			173.50	175.00	Q282940	1.50	0.006
			175.00	176.50	Q282941	1.50	0.008
			176.50	178.00	Q282942	1.50	<0.005
			178.00	179.50	Q282943	1.50	0.017
			179.50	181.00	Q282944	1.50	0.011
			181.00	182.50	Q282945	1.50	0.009
			182.50	184.00	Q282946	1.50	0.01
			184.00	185.50	Q282947	1.50	0.013
			185.50	187.00	Q282948	1.50	<0.005
			187.00	188.50	Q282949	1.50	0.005
			188.50	190.00	Q282952	1.50	<0.005
			190.00	191.50	Q282953	1.50	0.006
			191.50	193.00	Q282954	1.50	0.015
			193.00	194.50	Q282955	1.50	0.007
			194.50	196.00	Q282956	1.50	0.006
			196.00	197.50	Q282957	1.50	<0.005
			197.50	199.00	Q282958	1.50	0.008
			199.00	200.50	Q282959	1.50	0.008
			200.50	202.00	Q282960	1.50	<0.005
			202.00	203.50	Q282961	1.50	0.006
			203.50	205.00	Q282962	1.50	<0.005
			205.00	206.50	Q282963	1.50	<0.005
			206.50	208.00	Q282964	1.50	0.005
			208.00	209.50	Q282965	1.50	0.006
			209.50	211.00	Q282966	1.50	0.006
			211.00	212.50	Q282967	1.50	0.007
			212.50	214.00	Q282968	1.50	<0.005
			214.00	215.50	Q282969	1.50	0.008
			215.50	217.00	Q282970	1.50	0.019
			217.00	218.50	Q282971	1.50	0.006
218.50	220.00	Py01	218.50	220.00	Q282972	1.50	0.011
		Pyrite 1%	220.00	221.50	Q282973	1.50	0.006
		fgr, mostly in a narrow vein 10cm wide	221.50	223.00	Q282974	1.50	0.023
			223.00	224.50	Q282977	1.50	1.29

Description			Assay				
			From	To	Sample number	Length	AuBest
			224.50	226.00	Q282978	1.50	0.005
			226.00	227.50	Q282979	1.50	0.077
			227.50	229.00	Q282980	1.50	0.009
			229.00	230.50	Q282981	1.50	0.016
			230.50	232.00	Q282982	1.50	0.007
232.00	233.50	Py01	232.00	233.50	Q282983	1.50	0.067
		Pyrite 1%					
		fgr mostly associated with fractures					
233.50	236.50	Py02	233.50	235.00	Q282984	1.50	0.114
		Pyrite 2%	235.00	236.50	Q282985	1.50	0.847
		fgr mostly in veins					
236.50	238.00	Py05	236.50	238.00	Q282986	1.50	0.847
		Pyrite 5%					
		fgr mostly in veins and vein-like zones					
238.00	242.50	Py02	238.00	239.50	Q282987	1.50	0.647
		Pyrite 2%	239.50	241.00	Q282988	1.50	0.36
		fgr, mostly in veins and vein like zones	241.00	242.50	Q282989	1.50	0.104
242.50	244.00	Py01	242.50	244.00	Q282990	1.50	0.899
		Pyrite 1%					
		fgr, mostly disseminated					
244.00	251.50	Py00.1	244.00	245.50	Q282991	1.50	0.152
		Pyrite 0.1%	245.50	247.00	Q282992	1.50	0.102
		fgr disseminated	247.00	248.50	Q282993	1.50	0.061
			248.50	250.00	Q282994	1.50	0.113
			250.00	251.50	Q282995	1.50	0.062
			251.50	253.00	Q282996	1.50	0.106
			253.00	254.50	Q282997	1.50	0.221
			254.50	256.00	Q282998	1.50	0.9
			256.00	257.50	Q282999	1.50	0.223
			257.50	259.00	Q067502	1.50	0.189
			259.00	260.50	Q067503	1.50	0.023
			260.50	262.00	Q067504	1.50	0.511
			262.00	263.50	Q067505	1.50	0.024
			263.50	265.00	Q067506	1.50	0.179
			265.00	266.50	Q067507	1.50	0.048
			266.50	268.00	Q067508	1.50	0.167

Description	Assay				
	From	To	Sample number	Length	AuBest
	268.00	269.50	Q067509	1.50	0.692
	269.50	271.00	Q067510	1.50	0.037
	271.00	272.50	Q067511	1.50	0.033
	272.50	274.00	Q067512	1.50	0.013
	274.00	275.50	Q067513	1.50	0.073
	275.50	277.00	Q067514	1.50	0.032
	277.00	278.50	Q067515	1.50	0.055
	278.50	280.00	Q067516	1.50	0.007
	280.00	281.50	Q067517	1.50	0.005
	281.50	283.00	Q067518	1.50	<0.005
	283.00	284.50	Q067519	1.50	0.043
	284.50	286.00	Q067520	1.50	0.026
	286.00	287.50	Q067521	1.50	0.01
	287.50	289.00	Q067522	1.50	<0.005
	289.00	290.50	Q067523	1.50	<0.005
	290.50	292.00	Q067524	1.50	<0.005
	292.00	293.50	Q067527	1.50	0.018
	293.50	295.00	Q067528	1.50	0.026
	295.00	296.50	Q067529	1.50	0.014
	296.50	298.00	Q067530	1.50	0.01
	298.00	299.50	Q067531	1.50	0.007
	299.50	301.00	Q067532	1.50	0.008
	301.00	302.50	Q067533	1.50	0.009
	302.50	304.00	Q067534	1.50	0.007
	304.00	305.50	Q067535	1.50	0.007
	305.50	307.00	Q067536	1.50	0.008
	307.00	308.50	Q067537	1.50	0.011
	308.50	310.00	Q067538	1.50	0.012
	310.00	311.50	Q067539	1.50	0.008
	311.50	313.00	Q067540	1.50	0.01
	313.00	314.50	Q067541	1.50	0.009
	314.50	316.00	Q067542	1.50	<0.005
	316.00	317.50	Q067543	1.50	<0.005
	317.50	319.00	Q067544	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	319.00	320.50	Q067545	1.50	<0.005
	320.50	322.00	Q067546	1.50	<0.005
	322.00	323.50	Q067547	1.50	<0.005
	323.50	325.00	Q067548	1.50	0.006
	325.00	326.50	Q067549	1.50	0.011
	326.50	328.00	Q067552	1.50	0.011
	328.00	329.50	Q067553	1.50	0.007
	329.50	331.00	Q067554	1.50	0.02
	331.00	332.50	Q067555	1.50	0.023
	332.50	334.00	Q067556	1.50	<0.005
	334.00	335.50	Q067557	1.50	<0.005
	335.50	337.00	Q067558	1.50	0.024
	337.00	338.50	Q067559	1.50	0.012
	338.50	340.00	Q067560	1.50	<0.005
	340.00	341.50	Q067561	1.50	0.005
	341.50	343.00	Q067562	1.50	<0.005
	343.00	344.50	Q067563	1.50	0.008
	344.50	346.00	Q067564	1.50	0.008
	346.00	347.50	Q067565	1.50	0.007
	347.50	349.00	Q067566	1.50	0.008
	349.00	350.50	Q067567	1.50	0.007
	350.50	352.00	Q067568	1.50	0.006
	352.00	353.50	Q067569	1.50	0.019
	353.50	355.00	Q067570	1.50	0.006
	355.00	356.50	Q067571	1.50	<0.005
	356.50	358.00	Q067572	1.50	0.006
	358.00	359.50	Q067573	1.50	0.005
	359.50	361.00	Q067574	1.50	0.007
	361.00	362.50	Q067577	1.50	0.009
	362.50	364.00	Q067578	1.50	0.005
	364.00	365.50	Q067579	1.50	0.005
	365.50	367.00	Q067580	1.50	0.008
	367.00	368.50	Q067581	1.50	0.007
	368.50	370.00	Q067582	1.50	0.01

Description	Assay				
	From	To	Sample number	Length	AuBest
	370.00	371.50	Q067583	1.50	0.006
	371.50	373.00	Q067584	1.50	0.006
	373.00	375.00	Q067585	2.00	0.008
375.00	End of DDH				
	Number of samples: 191				
	Number of QAQC samples: 16				
	Total sampled length: 286.90				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_102

Drilled by:	Major	Claims title:		Section:	
Described by:	A Richardson	Township:		Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	27/05/2014	Description date:	25/06/2014
		To:	12/06/2014		

Collar

Azimuth: 345.0°
Dip: -50.0°
Length: 663.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	584,864.661
North	0.0	0.000	5,332,200.085
Elevation	0.0	0.000	348.846

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	345.0°	-50.0°	No	
ReflexEZS	51.00	343.8°	-50.8°	Yes	Mag = 56299
ReflexEZS	111.00	349.2°	-48.5°	No	Mag = 54448
ReflexEZS	171.00	353.3°	-45.8°	No	Mag = 54805
ReflexEZS	231.00	354.9°	-42.6°	No	Mag = 55003
ReflexEZS	291.00	355.9°	-39.6°	No	Mag = 54876
ReflexEZS	351.00	355.8°	-37.9°	No	Mag = 54742
ReflexEZS	420.00	359.8°	-35.1°	No	Mag = 54848
ReflexEZS	480.00	3.6°	-33.2°	No	Mag = 55915
ReflexEZS	540.00	2.8°	-30.5°	No	Mag = 55658
ReflexEZS	600.00	11.3°	-28.2°	No	Mag = 55587
ReflexEZS	663.00	15.6°	-26.0°	No	Mag = 56363

Description

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	39.70	OVB					
		Overburden					
		casing					
39.70	123.47	V4; FlBand	39.70	41.00	Q067586	1.30	0.199
		Trachyte; FLOWBANDED	41.00	42.50	Q067587	1.50	0.069
		Glassy red to greenish trachyte flows. Lineated fragments of glassy red (potassic) trachyte and greenish	42.50	44.00	Q067588	1.50	0.115
		aphanitic fragments in a chloritic glassy matrix. Pervasively chloritic and calcite altered, up to 5% local					
		disseminated fine to medium grained pyrite. Unit is foliated, weakly, and may be part of the deformed volcanic					
		paleo basement package but lacks strong kinematic indicators.					
39.70	57.60	K01; Ca01; Cl01					
		Potassic 1; Calcite 1; Chlorite 1					
		potassic and calcite pervasive, chlorite patchy					
39.70	44.00	Py02					
		Pyrite 2%					
		fgr dis					
44.00	45.50	Py00.5	44.00	45.50	Q067589	1.50	0.043
		Pyrite 0.5%					
		fgr dis					
45.50	47.00	Py05	45.50	47.00	Q067590	1.50	0.054
		Pyrite 5%					
		fgr dis, also along fractures					
47.00	48.00	Py07	47.00	48.00	Q067591	1.00	0.088
		Pyrite 7%					
		fgr dis and along fractures					
48.00	49.50	Py05	48.00	49.50	Q067592	1.50	0.046
		Pyrite 5%					
		fgr dis					
49.50	51.00	Py03	49.50	51.00	Q067593	1.50	0.044
		Pyrite 3%					
		fgr dis					
51.00	52.50	Py07	51.00	52.50	Q067594	1.50	0.074
		Pyrite 7%					
		fgr dis					
52.50	55.50	Py05	52.50	54.00	Q067595	1.50	0.042
		Pyrite 5%	54.00	55.50	Q067596	1.50	0.04
		fgr dis					
55.50	57.00	Py02	55.50	57.00	Q067597	1.50	0.019
		Pyrite 2%					
		fgr dis					
57.00	58.50	Py03	57.00	58.50	Q067598	1.50	0.074

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 3%					
		fgr dis					
57.60	93.60	Cl01; Ca					
		Chlorite 1; Calcite					
		pervasive					
58.50	61.50	Py00.5	58.50	60.00	Q067599	1.50	0.211
		Pyrite 0.5%	60.00	61.50	Q067602	1.50	0.054
		fgr dis	61.50	63.00	Q067603	1.50	0.061
			63.00	64.50	Q067604	1.50	0.035
			64.50	66.00	Q067605	1.50	0.022
			66.00	67.50	Q067606	1.50	0.025
			67.50	69.00	Q067607	1.50	0.041
			69.00	70.50	Q067608	1.50	0.033
			70.50	72.00	Q067609	1.50	0.048
			72.00	73.50	Q067610	1.50	0.064
			73.50	75.00	Q067611	1.50	0.084
			75.00	76.50	Q067612	1.50	0.189
			76.50	78.00	Q067613	1.50	0.141
			78.00	79.50	Q067614	1.50	0.174
			79.50	81.00	Q067615	1.50	0.039
			81.00	82.50	Q067616	1.50	0.016
			82.50	84.00	Q067617	1.50	0.006
84.00	87.00	Py00.5	84.00	85.50	Q067618	1.50	<0.005
		Pyrite 0.5%	85.50	87.00	Q067619	1.50	0.005
		fgr dis	87.00	88.50	Q067620	1.50	<0.005
			88.50	90.00	Q067621	1.50	<0.005
			90.00	91.50	Q067622	1.50	0.009
			91.50	93.00	Q067623	1.50	0.033
			93.00	94.50	Q067624	1.50	0.124
93.60	98.14	K01; Se01					
		Potassic 1; Sericite 1					
		pervasive					
94.50	96.00	Py01	94.50	96.00	Q067627	1.50	0.462
		Pyrite 1%					
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
96.00	97.50	Py00.5	96.00	97.50	Q067628	1.50	0.398
		Pyrite 0.5%					
		fgr dis					
97.50	99.00	Py05	97.50	99.00	Q067629	1.50	0.087
		Pyrite 5%					
		fgr dis					
98.14	111.26	Ca01; Cl01					
		Calcite 1; Chlorite 1					
		pervasive					
99.00	102.00	Py00.5	99.00	100.50	Q067630	1.50	0.021
		Pyrite 0.5%	100.50	102.00	Q067631	1.50	0.012
		fgr dis					
102.00	105.00	Py00.5	102.00	103.50	Q067632	1.50	0.008
		Pyrite 0.5%	103.50	105.00	Q067633	1.50	0.008
		fgr dis					
105.00	106.50	Py00.1	105.00	106.50	Q067634	1.50	0.032
		Pyrite 0.1%					
		fgr dis					
106.30	106.80	FAZ	106.50	108.00	Q067635	1.50	0.015
		Fault Zone					
		Fault zone, 30% gouge, 70% cataclastic material, obliquely crosscutting core axis, contacts brecciated					
108.00	114.00	Py00.5	108.00	109.50	Q067636	1.50	0.066
		Pyrite 0.5%	109.50	111.00	Q067637	1.50	0.007
		fgr dis	111.00	112.50	Q067638	1.50	0.012
111.26	116.23	Ank01; Cl01	112.50	114.00	Q067639	1.50	0.041
		Ankerite 1; Chlorite 1					
		weak, pervasive					
114.00	115.50	Py00.1	114.00	115.50	Q067640	1.50	<0.005
		Pyrite 0.1%	115.50	117.00	Q067641	1.50	0.067
		fgr dis					
116.23	190.20	Cl01; Ca01					
		Chlorite 1; Calcite 1					
		weak, pervasive					
116.23	123.47	FAZ					
		Fault Zone					
		fault zone, 90% cataclastic material, 10% gouge. Fragmented contact - undetermined contact angle					
117.00	118.50	Py00.5	117.00	118.50	Q067642	1.50	0.007
		Pyrite 0.5%					
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
118.50	120.00	Py01 **Pyrite 1%** fgr dis	118.50	120.00	Q067643	1.50	0.017
120.00	123.00	Py01 **Pyrite 1%** fgr dis	120.00	121.50	Q067644	1.50	0.024
			121.50	123.00	Q067645	1.50	0.016
			123.00	124.50	Q067646	1.50	0.008
123.47	249.70	V4; Tuff **Trachyte; TUFF** dark, weakly chlorite and calcite pervasive alteration, weakly foliated, tuffaceous unit. Approximately 30% light greyish coloured fragments in a very dark very fine grained chloritic matrix. Unit is pervasively weakly foliated. Patchy fine grained disseminated pyrite up to 3% locally.	124.50	126.00	Q067647	1.50	0.008
126.00	132.00	Py00.1 **Pyrite 0.1%** fgr dis	126.00	127.50	Q067648	1.50	0.016
			127.50	129.00	Q067649	1.50	0.009
			129.00	130.50	Q067652	1.50	0.009
			130.50	132.00	Q067653	1.50	0.012
132.00	135.00	Py01 **Pyrite 1%** fgr dis	132.00	133.50	Q067654	1.50	0.021
			133.50	135.00	Q067655	1.50	0.024
135.00	136.50	Py03 **Pyrite 3%** fgr dis	135.00	136.50	Q067656	1.50	0.02
136.50	142.50	Py01 **Pyrite 1%** fgr dis	136.50	138.00	Q067657	1.50	0.008
			138.00	139.50	Q067658	1.50	0.008
			139.50	141.00	Q067659	1.50	0.017
			141.00	142.50	Q067660	1.50	0.018
142.50	148.50	Py00.5 **Pyrite 0.5%** fgr dis	142.50	144.00	Q067661	1.50	0.011
			144.00	145.50	Q067662	1.50	0.013
			145.50	147.00	Q067663	1.50	0.009
			147.00	148.50	Q067664	1.50	<0.005
			148.50	150.00	Q067665	1.50	<0.005
			150.00	151.50	Q067666	1.50	<0.005
151.50	153.00	Py00.1 **Pyrite 0.1%** fgr dis	151.50	153.00	Q067667	1.50	<0.005
153.00	154.50	Py02 **Pyrite 2%** fgr dis	153.00	154.50	Q067668	1.50	0.034

Description			Assay				
			From	To	Sample number	Length	AuBest
154.50	156.00	Py00.5 **Pyrite 0.5%** fgr dis	154.50	156.00	Q067669	1.50	0.024
156.00	157.50	Py02 **Pyrite 2%** fgr dis	156.00	157.50	Q067670	1.50	0.056
157.50	160.50	Py03 **Pyrite 3%** fgr dis	157.50	159.00	Q067671	1.50	0.277
			159.00	160.50	Q067672	1.50	0.264
160.50	163.50	Py00.5 **Pyrite 0.5%** fgr dis	160.50	162.00	Q067673	1.50	0.392
			162.00	163.50	Q067674	1.50	0.239
163.50	165.00	Py01 **Pyrite 1%** fgr dis	163.50	165.00	Q067677	1.50	0.063
165.00	166.50	Py00.1 **Pyrite 0.1%** fgr dis	165.00	166.50	Q067678	1.50	0.008
			166.50	168.00	Q067679	1.50	0.032
			168.00	169.50	Q067680	1.50	0.063
			169.50	171.00	Q067681	1.50	<0.005
			171.00	172.50	Q067682	1.50	0.021
			172.50	174.00	Q067683	1.50	0.02
			174.00	175.50	Q067684	1.50	0.023
			175.50	177.00	Q067685	1.50	0.013
			177.00	178.50	Q067686	1.50	0.015
			178.50	180.00	Q067687	1.50	0.058
			180.00	181.50	Q067688	1.50	0.027
			181.50	183.00	Q067689	1.50	0.054
			183.00	184.50	Q067690	1.50	0.034
			184.50	186.00	Q067691	1.50	0.014
			186.00	187.50	Q067692	1.50	0.041
			187.50	189.00	Q067693	1.50	0.057
			189.00	190.50	Q067694	1.50	0.034
190.20	200.73	Cl01 **Chlorite 1** pervasive	190.50	192.00	Q067695	1.50	0.115
			192.00	193.50	Q067696	1.50	0.046
			193.50	195.00	Q067697	1.50	0.063
			195.00	196.50	Q067698	1.50	0.12

Description			Assay				
			From	To	Sample number	Length	AuBest
			196.50	198.00	Q067699	1.50	0.073
			198.00	199.50	Q067702	1.50	0.066
			199.50	201.00	Q067703	1.50	0.158
200.73	249.70	Cl01; Ca01	201.00	202.50	Q067704	1.50	0.024
		Chlorite 1; Calcite 1	202.50	204.00	Q067705	1.50	0.008
		pervasive	204.00	205.50	Q067706	1.50	0.013
			205.50	207.00	Q067707	1.50	0.01
			207.00	208.50	Q067708	1.50	0.012
			208.50	210.00	Q067709	1.50	0.008
			210.00	211.50	Q067710	1.50	0.007
			211.50	213.00	Q067711	1.50	0.005
			213.00	214.50	Q067712	1.50	0.01
			214.50	216.00	Q067713	1.50	0.022
			216.00	217.50	Q067714	1.50	0.048
			217.50	219.00	Q067715	1.50	0.018
			219.00	220.50	Q067716	1.50	0.016
			220.50	222.00	Q067717	1.50	0.007
			222.00	223.50	Q067718	1.50	0.006
			223.50	225.00	Q067719	1.50	0.022
			225.00	226.50	Q067720	1.50	0.042
			226.50	228.00	Q067721	1.50	0.044
			228.00	229.50	Q067722	1.50	0.006
			229.50	231.00	Q067723	1.50	<0.005
			231.00	232.50	Q067724	1.50	0.017
			232.50	234.00	Q067727	1.50	0.005
			234.00	235.50	Q067728	1.50	0.006
			235.50	237.00	Q067729	1.50	<0.005
			237.00	238.50	Q067730	1.50	0.012
			238.50	240.00	Q067731	1.50	0.006
			240.00	241.50	Q067732	1.50	0.014
			241.50	243.00	Q067733	1.50	0.157
			243.00	244.50	Q067734	1.50	0.008
			244.50	246.00	Q067735	1.50	<0.005
			246.00	247.50	Q067736	1.50	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
			247.50	249.00	Q067737	1.50	0.009
			249.00	250.50	Q067738	1.50	0.025
249.70	357.00	V4; Fol					
		Trachyte; Foliated					
		light Green, fine grained, moderately foliated, pervasive chlorite, local ankerite near upper contact then weak calcite.					
249.70	258.20	Ank01; Cl01					
		Ankerite 1; Chlorite 1					
		weak, pervasive					
250.50	252.00	Py00.1	250.50	252.00	Q067739	1.50	0.051
		Pyrite 0.1%					
		fgr dis					
252.00	256.50	Py00.5	252.00	253.50	Q067740	1.50	0.046
		Pyrite 0.5%	253.50	255.00	Q067741	1.50	0.014
		fgr dis	255.00	256.50	Q067742	1.50	0.029
256.50	271.50	Py00.1	256.50	258.00	Q067743	1.50	0.02
		Pyrite 0.1%	258.00	259.50	Q067744	1.50	0.013
		fgr dis					
258.20	277.23	Cl01	259.50	261.00	Q067745	1.50	0.015
		Chlorite 1	261.00	262.50	Q067746	1.50	0.008
		pervasive	262.50	264.00	Q067747	1.50	0.015
			264.00	265.50	Q067748	1.50	0.008
			265.50	267.00	Q067749	1.50	0.019
			267.00	268.50	Q067752	1.50	0.024
			268.50	270.00	Q067753	1.50	0.01
			270.00	271.50	Q067754	1.50	0.009
			271.50	273.00	Q067755	1.50	0.013
			273.00	274.50	Q067756	1.50	0.01
			274.50	276.00	Q067757	1.50	0.014
			276.00	277.50	Q067758	1.50	0.012
277.23	306.00	Cl01; Ca01	277.50	279.00	Q067759	1.50	0.011
		Chlorite 1; Calcite 1	279.00	280.50	Q067760	1.50	0.01
		chlorite weak and pervasive, calcite weak isolated	280.50	282.00	Q067761	1.50	0.024
			282.00	283.50	Q067762	1.50	0.011
			283.50	285.00	Q067763	1.50	0.02
285.00	286.50	Mo00.1	285.00	286.50	Q067764	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
		Molybdenite 0.1%	286.50	288.00	Q067765	1.50	0.018
		along fracture surface	288.00	289.50	Q067766	1.50	0.01
			289.50	291.00	Q067767	1.50	0.009
			291.00	292.50	Q067768	1.50	0.011
			292.50	294.00	Q067769	1.50	0.012
			294.00	295.50	Q067770	1.50	0.013
			295.50	297.00	Q067771	1.50	0.007
			297.00	298.50	Q067772	1.50	0.007
			298.50	300.00	Q067773	1.50	<0.005
			300.00	301.50	Q067774	1.50	0.007
			301.50	303.00	Q067777	1.50	0.005
			303.00	304.50	Q067778	1.50	<0.005
			304.50	306.00	Q067779	1.50	0.006
306.00	404.00	Cl01; Ca01	306.00	307.50	Q067780	1.50	0.005
		Chlorite 1; Calcite 1					
		weak, pervasive					
307.50	311.00	Py00.1	307.50	309.00	Q067781	1.50	0.01
		Pyrite 0.1%	309.00	310.50	Q067782	1.50	0.015
		fgr dis	310.50	312.00	Q067783	1.50	0.009
			312.00	313.50	Q067784	1.50	0.008
313.50	319.50	Py00.1	313.50	315.00	Q067785	1.50	0.014
		Pyrite 0.1%	315.00	316.50	Q067786	1.50	0.009
		fgr dis	316.50	318.00	Q067787	1.50	0.012
			318.00	319.50	Q067788	1.50	0.013
			319.50	321.00	Q067789	1.50	0.007
			321.00	322.50	Q067790	1.50	<0.005
			322.50	324.00	Q067791	1.50	0.007
			324.00	325.50	Q067792	1.50	0.005
325.50	327.00	Cp00.1	325.50	327.00	Q067793	1.50	0.009
		Chalcopyrite 0.1%	327.00	328.50	Q067794	1.50	0.008
		fgr dis					
328.50	330.00	Py00.1	328.50	330.00	Q067795	1.50	0.008
		Pyrite 0.1%					
		fgr dis					
330.00	331.50	Cp02	330.00	331.50	Q067796	1.50	0.009
		Chalcopyrite 2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		in vein	331.50	333.00	Q067797	1.50	<0.005
333.00	355.50	Py00.1	333.00	334.50	Q067798	1.50	0.015
		Pyrite 0.1%	334.50	336.00	Q067799	1.50	0.011
		fgr dis	336.00	337.50	Q067802	1.50	0.007
			337.50	339.00	Q067803	1.50	0.007
			339.00	340.50	Q067804	1.50	0.007
			340.50	342.00	Q067805	1.50	0.006
			342.00	343.50	Q067806	1.50	0.007
			343.50	345.00	Q067807	1.50	0.008
			345.00	346.50	Q067808	1.50	<0.005
			346.50	348.00	Q067809	1.50	0.005
			348.00	349.50	Q067810	1.50	0.008
			349.50	351.00	Q067811	1.50	<0.005
			351.00	352.50	Q067812	1.50	0.005
			352.50	354.00	Q067813	1.50	0.011
			354.00	355.50	Q067814	1.50	0.01
355.50	364.50	Py00.5	355.50	357.00	Q067815	1.50	0.071
		Pyrite 0.5%					
		fgr dis					
357.00	527.64	V4	357.00	358.50	Q067816	1.50	0.179
		Trachyte	358.50	360.00	Q067817	1.50	0.145
		Darkish green, fine grained, unit contains few (10-20%) angular reddish aphanitic fragments. Unit is	360.00	361.50	Q067818	1.50	0.142
		pervasively weakly to moderately magnetic with patchy variable fine grained disseminated pyritic zones. Few	361.50	363.00	Q067819	1.50	0.108
		crosscutting quartz, quartz-calcite and calcite stringers and veins.	363.00	364.50	Q067820	1.50	0.104
364.50	366.00	Py00.1	364.50	366.00	Q067821	1.50	0.211
		Pyrite 0.1%	366.00	367.50	Q067822	1.50	0.08
		fgr dis	367.50	369.00	Q067823	1.50	0.264
			369.00	370.50	Q067824	1.50	0.109
370.17	372.04	FP					
		Feldspar Porphyry					
		Matrix support feldspar porphyry dyke. Sharp, brecciated upper and lower contacts, approx 20%					
		elongated coarse grained feldspar porphoroblasts in a very fine grained to aphanitic matrix.					
370.50	373.50	Py00.1	370.50	372.00	Q067827	1.50	0.027
		Pyrite 0.1%	372.00	373.50	Q067828	1.50	0.079
		fgr dis	373.50	375.00	Q067829	1.50	0.07

Description			Assay				
			From	To	Sample number	Length	AuBest
375.00	390.00	Py00.1	375.00	376.50	Q067830	1.50	0.056
		Pyrite 0.1%	376.50	378.00	Q067831	1.50	0.114
		fgr dis	378.00	379.50	Q067832	1.50	0.09
			379.50	381.00	Q067833	1.50	0.099
			381.00	382.50	Q067834	1.50	0.105
			382.50	384.00	Q067835	1.50	0.07
			384.00	385.50	Q067836	1.50	0.08
			385.50	387.00	Q067837	1.50	0.039
			387.00	388.50	Q067838	1.50	0.14
			388.50	390.00	Q067839	1.50	0.055
390.00	391.50	Py01	390.00	391.50	Q067840	1.50	0.161
		Pyrite 1%	391.50	393.00	Q067841	1.50	0.023
		fgr dis	393.00	394.50	Q067842	1.50	0.049
			394.50	396.00	Q067843	1.50	0.059
395.50	397.50	Py00.5	396.00	397.50	Q067844	1.50	0.058
		Pyrite 0.5%					
		fgr dis					
397.00	617.00	Vt;5%;Qca;;;;					
		veinlet (1-5 mm) 5% quartz-calcite					
		few crosscutting calcite-quartz veinlets.					
397.50	399.00	Py00.1; Cp00.1	397.50	399.00	Q067845	1.50	0.049
		Pyrite 0.1%; Chalcopyrite 0.1%					
		fgr dis					
399.00	405.00	Py00.1	399.00	400.50	Q067846	1.50	0.037
		Pyrite 0.1%	400.50	402.00	Q067847	1.50	0.042
		fgr dis	402.00	403.50	Q067848	1.50	0.036
			403.50	405.00	Q067849	1.50	0.067
404.00	470.70	Cl01; Ca01; K01					
		Chlorite 1; Calcite 1; Potassic 1					
		pervasive weak chlorite, patchy weak calcite, patchy weak potassic					
405.00	406.50	Py03	405.00	406.50	Q067852	1.50	0.152
		Pyrite 3%					
		fgr dis					
406.50	409.50	Py00.5	406.50	408.00	Q067853	1.50	0.058
		Pyrite 0.5%	408.00	409.50	Q067854	1.50	0.123
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
409.50	411.00	Py03	409.50	411.00	Q067855	1.50	0.188
		Pyrite 3%					
		fgr dis					
411.00	412.50	Py01	411.00	412.50	Q067856	1.50	0.091
		Pyrite 1%	412.50	414.00	Q067857	1.50	0.056
		fgr dis	414.00	415.50	Q067858	1.50	0.04
			415.50	417.00	Q067859	1.50	0.043
			417.00	418.50	Q067860	1.50	0.016
			418.50	420.00	Q067861	1.50	0.032
			420.00	421.50	Q067862	1.50	0.044
			421.50	423.00	Q067863	1.50	0.038
			423.00	424.50	Q067864	1.50	0.031
			424.50	426.00	Q067865	1.50	0.044
			426.00	427.50	Q067866	1.50	0.052
			427.50	429.00	Q067867	1.50	0.057
429.00	430.50	Cp00.1	429.00	430.50	Q067868	1.50	0.041
		Chalcopyrite 0.1%					
		cgr bleb					
430.50	432.00	Py00.5	430.50	432.00	Q067869	1.50	0.117
		Pyrite 0.5%	432.00	433.50	Q067870	1.50	0.049
		fgr dis	433.50	435.00	Q067871	1.50	0.037
435.00	436.50	Py00.1	435.00	436.50	Q067872	1.50	0.041
		Pyrite 0.1%					
		fgr dis					
436.50	438.00	Py01	436.50	438.00	Q067873	1.50	0.173
		Pyrite 1%					
		fgr dis					
436.65	437.10	PRPH					
		Porphyry					
		reddish feldspar porphyritic dyke. Sharp contacts, coarse grained whitish feldspar porphyroblasts in a					
		dark greenish very fine grained/aphanitic matrix					
438.00	439.50	Py00.5	438.00	439.50	Q067874	1.50	0.179
		Pyrite 0.5%	439.50	441.00	Q067877	1.50	0.072
		fgr dis	441.00	442.50	Q067878	1.50	0.053
442.50	445.50	Py00.1	442.50	444.00	Q067879	1.50	0.091
		Pyrite 0.1%	444.00	445.50	Q067880	1.50	0.112
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
445.50	447.00	Py01 **Pyrite 1%** fgr dis	445.50	447.00	Q067881	1.50	0.084
447.00	459.00	Py00.1 **Pyrite 0.1%** fgr dis	447.00	448.50	Q067882	1.50	0.043
			448.50	450.00	Q067883	1.50	0.045
			450.00	451.50	Q067884	1.50	0.049
			451.50	453.00	Q067885	1.50	0.077
			453.00	454.50	Q067886	1.50	0.048
			454.50	456.00	Q067887	1.50	0.035
			456.00	457.50	Q067888	1.50	0.074
			457.50	459.00	Q067889	1.50	0.055
465.00	466.50	Py00.1 **Pyrite 0.1%** fgr dis	459.00	460.50	Q067890	1.50	0.045
			460.50	462.00	Q067891	1.50	0.041
			462.00	463.50	Q067892	1.50	0.042
			463.50	465.00	Q067893	1.50	0.076
			465.00	466.50	Q067894	1.50	0.024
			466.50	468.00	Q067895	1.50	0.059
			468.00	469.50	Q067896	1.50	0.043
			469.50	471.00	Q067897	1.50	0.049
470.70	527.64	Ca01; Cl01 **Calcite 1; Chlorite 1** Similar to the above alteration zone but the calcite is now isolated in stringers. Chlorite remains pervasive.	471.00	472.50	Q067898	1.50	0.063
			472.50	474.00	Q067899	1.50	0.036
			474.00	475.50	Q067902	1.50	0.031
			475.50	477.00	Q067903	1.50	0.139
			477.00	478.50	Q067904	1.50	0.088
478.50	480.00	Py00.5; Cp00.5 **Pyrite 0.5%; Chalcopyrite 0.5%** in vein with calcite	478.50	480.00	Q067905	1.50	0.084
			480.00	481.50	Q067906	1.50	0.029
			481.50	483.00	Q067907	1.50	0.028
			483.00	484.50	Q067908	1.50	0.019
			484.50	486.00	Q067909	1.50	0.017
			486.00	487.50	Q067910	1.50	0.066
			487.50	489.00	Q067911	1.50	0.11
			489.00	490.50	Q067912	1.50	0.079
			490.50	492.00	Q067913	1.50	0.039
			492.00	493.50	Q067914	1.50	0.046

Description			Assay				
			From	To	Sample number	Length	AuBest
			493.50	495.00	Q067915	1.50	0.029
			495.00	496.50	Q067916	1.50	0.042
			496.50	498.00	Q067917	1.50	0.025
			498.00	499.50	Q067918	1.50	0.016
			499.50	501.00	Q067919	1.50	0.028
			501.00	502.50	Q067920	1.50	0.016
			502.50	504.00	Q067921	1.50	0.014
			504.00	505.50	Q067922	1.50	0.015
			505.50	507.00	Q067923	1.50	0.025
			507.00	508.50	Q067924	1.50	0.029
			508.50	510.00	Q067927	1.50	0.035
			510.00	511.50	Q067928	1.50	0.021
			511.50	513.00	Q067929	1.50	0.031
			513.00	514.50	Q067930	1.50	0.014
			514.50	516.00	Q067931	1.50	0.027
			516.00	517.50	Q067932	1.50	0.044
			517.50	519.00	Q067933	1.50	0.027
			519.00	520.50	Q067934	1.50	0.013
			520.50	522.00	Q067935	1.50	0.016
			522.00	523.50	Q067936	1.50	0.013
			523.50	525.00	Q067937	1.50	0.025
			525.00	526.50	Q067938	1.50	0.029
			526.50	528.00	Q067939	1.50	0.05
527.64	535.20	FP					
		Feldspar Porphyry					
		Overall unit is a pinkish red colour and hard with whitish tabular to elongated tabular coarse grained feldspar porpyroblasts (approx 25% modal) in a fine grained reddish silicified groundmass. Upper contact is sharp with a variable core angle. The alteration appears to be a reddish mineral (potassium) and silica, due to the units hardness.					
527.64	535.20	Si01; K01	528.00	529.50	Q067940	1.50	0.015
		Silica 1; Potassic 1	529.50	531.00	Q067941	1.50	0.01
		pervasive	531.00	532.50	Q067942	1.50	0.011
			532.50	534.00	Q067943	1.50	0.007
			534.00	535.50	Q067944	1.50	0.009
535.20	543.78	V4					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Trachyte					
		Greenish, fine grained, mostly the same as the above trachyte unit. Upper and lower contacts are sharp					
		though irregular.					
535.20	543.78	Cl01; Ca	535.50	537.00	Q067945	1.50	0.022
		Chlorite 1; Calcite	537.00	538.50	Q067946	1.50	0.011
		weak, pervasive	538.50	540.00	Q067947	1.50	0.048
			540.00	541.50	Q067948	1.50	0.023
			541.50	543.00	Q067949	1.50	0.035
			543.00	544.50	Q067952	1.50	0.065
543.78	555.60	FP					
		Feldspar Porphyry					
		Reddish feldspar porpyry. As above feldspar porphyry. Sharp and irregular upper and lowe contacts.					
543.78	555.60	Si01; K01	544.50	546.00	Q067953	1.50	0.128
		Silica 1; Potassic 1	546.00	547.50	Q067954	1.50	0.26
		pervasive	547.50	549.00	Q067955	1.50	0.126
			549.00	550.50	Q067956	1.50	0.155
			550.50	552.00	Q067957	1.50	0.075
			552.00	553.50	Q067958	1.50	0.072
			553.50	555.00	Q067959	1.50	0.027
			555.00	556.50	Q067960	1.50	0.027
555.60	574.00	V4					
		Trachyte					
		Greenish, fine grained, as above trachyte unit.					
555.60	574.00	Cl01; Ca01	556.50	558.00	Q067961	1.50	0.05
		Chlorite 1; Calcite 1	558.00	559.50	Q067962	1.50	0.022
		pervasive	559.50	561.00	Q067963	1.50	0.035
			561.00	562.50	Q067964	1.50	0.056
			562.50	564.00	Q067965	1.50	0.026
			564.00	565.50	Q067966	1.50	0.024
			565.50	567.00	Q067967	1.50	0.036
			567.00	568.50	Q067968	1.50	0.034
			568.50	570.00	Q067969	1.50	0.042
			570.00	571.50	Q067970	1.50	0.032
			571.50	573.00	Q067971	1.50	0.04
			573.00	574.50	Q067972	1.50	0.066

Description			Assay				
			From	To	Sample number	Length	AuBest
574.00	580.24	FP **Feldspar Porphyry** Mineralogically similar to the above porpyry units but lacks potassic alteration. Approximately 25% coarse, tabular to equant felspar porpyroblasts in a fine grained matrix, weakly chlorite and silica altered with crosscutting quartz/calcite veinlets. Sharp upper and lower irregular contacts.					
574.00	592.56	Cl01; Si01 **Chlorite 1; Silica 1** pervasive	574.50	576.00	Q067973	1.50	0.056
			576.00	577.50	Q067974	1.50	0.499
			577.50	579.00	Q067977	1.50	0.24
			579.00	580.50	Q067978	1.50	0.078
580.24	663.00	V4 **Trachyte** Fine grained, green trachyte with weak pervasive chloritic and carbonate alteration with local weak silicification. Crosscut by quartz/calcite veinlets. Local trace fine grained disseminated pyrite with rare concentration along fractures and in veinlets. Rare blebby chalcopyrite.	580.50	582.00	Q067979	1.50	0.039
			582.00	583.50	Q067980	1.50	0.021
			583.50	585.00	Q067981	1.50	0.096
			585.00	586.50	Q067982	1.50	0.031
			586.50	588.00	Q067983	1.50	0.017
			588.00	589.50	Q067984	1.50	0.046
			589.50	591.00	Q067985	1.50	0.119
			591.00	592.50	Q067986	1.50	0.047
			592.50	594.00	Q067987	1.50	0.071
592.56	595.48	K01; Si01 **Potassic 1; Silica 1** pervasive	594.00	595.50	Q067988	1.50	0.097
595.48	606.60	Cl01; Si01 **Chlorite 1; Silica 1** pervasive	595.50	597.00	Q067989	1.50	0.043
			597.00	598.50	Q067990	1.50	0.033
			598.50	600.00	Q067991	1.50	0.018
			600.00	601.50	Q067992	1.50	0.037
			601.50	603.00	Q067993	1.50	0.056
			603.00	604.50	Q067994	1.50	0.043
			604.50	606.00	Q067995	1.50	0.019
			606.00	607.50	Q067996	1.50	0.033
606.60	607.10	K01; Si01 **Potassic 1; Silica 1** pervasive					
607.10	617.00	Cl01 **Chlorite 1** pervasive	607.50	609.00	Q067997	1.50	0.017
			609.00	610.50	Q067998	1.50	0.047
			610.50	612.00	Q067999	1.50	0.065

Description			Assay				
			From	To	Sample number	Length	AuBest
			612.00	613.50	Q070002	1.50	0.04
			613.50	615.00	Q070003	1.50	0.028
			615.00	616.50	Q070004	1.50	0.065
			616.50	618.00	Q070005	1.50	0.037
617.00	642.90	Cl01; Ca01	618.00	619.50	Q070006	1.50	0.052
		Chlorite 1; Calcite 1	619.50	621.00	Q070007	1.50	0.026
		pervasive	621.00	622.50	Q070008	1.50	0.031
			622.50	624.00	Q070009	1.50	0.023
			624.00	625.50	Q070010	1.50	0.014
			625.50	627.00	Q070011	1.50	0.027
			627.00	628.50	Q070012	1.50	0.025
			628.50	630.00	Q070013	1.50	0.03
			630.00	631.50	Q070014	1.50	0.025
			631.50	633.00	Q070015	1.50	0.05
			633.00	634.50	Q070016	1.50	0.099
			634.50	636.00	Q070017	1.50	0.037
			636.00	637.50	Q070018	1.50	0.362
			637.50	639.00	Q070019	1.50	0.069
			639.00	640.50	Q070020	1.50	0.046
			640.50	642.00	Q070021	1.50	0.044
			642.00	643.50	Q070022	1.50	0.103
642.90	644.17	FP					
		Feldspar Porphyry					
		Reddish apahitic matrix with coarse grained tabular feldspar porphoroblasts (up to 25%). Sharp upper and lower contacts though the angles are irregular.					
642.90	644.17	K01; Si01	643.50	645.00	Q070023	1.50	0.034
		Potassic 1; Silica 1					
		pervasive					
644.17	663.00	Cl01; Ca01	645.00	646.50	Q070024	1.50	0.035
		Chlorite 1; Calcite 1	646.50	648.00	Q070027	1.50	0.05
		pervasive	648.00	649.50	Q070028	1.50	0.013
			649.50	651.00	Q070029	1.50	0.02
			651.00	652.50	Q070030	1.50	0.012
			652.50	654.00	Q070031	1.50	0.014
			654.00	655.50	Q070032	1.50	0.013

Description	Assay				
	From	To	Sample number	Length	AuBest
	655.50	657.00	Q070033	1.50	0.017
	657.00	658.50	Q070034	1.50	0.021
	658.50	660.00	Q070035	1.50	0.02
	660.00	661.50	Q070036	1.50	0.017
	661.50	663.00	Q070037	1.50	0.037
663.00	**End of DDH**				
	Number of samples: 416				
	Number of QAQC samples: 36				
	Total sampled length: 623.30				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_103

Drilled by:	Major	Claims title:		Section:	
Described by:	Gilles KAMTA	Township:		Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	16/06/2014	Description date:	23/06/2014
		To:	20/06/2014		

Collar

Azimuth: 360.0°
Dip: -60.0°
Length: 425.85 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,900.034
North	0.0	0.000	5,331,300.449
Elevation	0.0	0.000	343.842

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-60.0°	No	
ReflexEZS	53.00	1.5°	-59.0°	No	Mag = 55642
ReflexEZS	117.00	5.4°	-59.3°	No	Mag = 55488
ReflexEZS	174.00	3.8°	-60.3°	No	Mag = 55437
ReflexEZS	234.00	3.6°	-60.5°	No	Mag = 55439
ReflexEZS	294.00	4.9°	-60.9°	No	Mag = 55206
ReflexEZS	354.00	8.7°	-60.7°	No	Mag = 54991
ReflexEZS	414.00	10.4°	-61.9°	No	Mag = 54940

Description

Correction in box numbers there were no box (32-33) because of mistake in munbering correction has to be done.

Core size: NQ Cemented: Yes Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	39.60	OVB						
		Overburden						
		Casing						
36.60	55.50	Ank02; K02; Ca01; He01						
		Ankerite 2; Potassic 2; Calcite 1; Hematite 1						
		Pervasive moderate ankerite-potassic alteration, intermittant calcite, weak localized hematite						
39.60	74.60	V4a; Mass; Per; Per		39.60	40.60	R226465	1.00	0.823
		Trachyte Altered; Massive; PERLITIC; PERLITIC						
		Pinkish grey- reddish grey massive trachyte flow, aphanitic or fine grained, alterning glassy quenched, perlitic (micro fractures), and red spots zone. The unit is inersect by rare secondary quartz ankerite small veins and veinlets. The micro fractures or cracks are fill of ankerite or fine grained pyrite, alteration consist of moderate to weak pervasive ankerite intermittant or spotty calcite, pervasive moderate to strong potassic alteration, localized dark chlorite close to devitrification area. Is altermaing magnetic and non magnetic level. Some joint are oxide or weak hematisation, mineralisation conist of fine grained piyrite 0.5 to 2% as stringers veinlets or disseminated.						
39.60	40.60	Py01						
		Pyrite 1%						
		Disseminated fine grained pyrite						
40.60	42.00	Py02		40.60	42.00	R226466	1.40	0.471
		Pyrite 2%						
		Disseminated fine grained pyrite, stringers pyrite						
42.00	43.50	Py02		42.00	43.50	R226467	1.50	0.586
		Pyrite 2%						
		Disseminated fine grained pyrite						
43.50	45.70	FracZn; Jt		43.50	45.00	R226468	1.50	0.277
		Fracture Zone 40°; Joint						
		Fracture zone with joints						
43.50	45.00	Py01						
		Pyrite 1%						
		Disseminated fine grained pyrite						
45.00	46.50	Py01		45.00	46.50	R226469	1.50	0.207
		Pyrite 1%						
		Disseminated fine grained pyrite						
46.50	48.00	Py01		46.50	48.00	R226470	1.50	0.571
		Pyrite 1%						
		Disseminated fine grained pyrite						
48.00	49.50	Py01		48.00	49.50	R226471	1.50	1.805
		Pyrite 1%						
		Disseminated fine grained pyrite						
49.50	51.00	Py01		49.50	51.00	R226472	1.50	0.614

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Disseminated fine grained pyrite					
51.00	52.50	Py02	51.00	52.50	R226473	1.50	1.045
		Pyrite 2%					
		Disseminated fine grained pyrite, or infilled fractures (veins)					
52.50	54.00	Py02	52.50	54.00	R226474	1.50	2.52
		Pyrite 2%					
		Disseminated fine grained pyrite, agglomerate or stringers pyrite					
54.00	55.50	Py01	54.00	55.50	R226477	1.50	1.895
		Pyrite 1%					
		Disseminated fine grained pyrite					
55.50	61.50	Ank02; Ca02; K02; Ox01; Cl	55.50	57.00	R226478	1.50	2.24
		Ankerite 2; Calcite 2; Potassic 2; Oxidation 1; Chlorite					
		Pervasive moderate calcite-anlerite-potassic alteration, potty dark chlorite.					
55.50	57.00	Py01					
		Pyrite 1%					
		Disseminated fine grained pyrite					
57.00	58.50	Py01	57.00	58.50	R226479	1.50	0.584
		Pyrite 1%					
		Disseminated fine grained pyrite					
58.50	60.00	Py01	58.50	60.00	R226480	1.50	0.85
		Pyrite 1%					
		Disseminated fine grained pyrite					
60.00	61.50	Py01	60.00	61.50	R226481	1.50	0.801
		Pyrite 1%					
		Disseminated fine grained pyrite					
61.50	74.60	K03; Ank02; Ca01	61.50	63.00	R226482	1.50	2.51
		Potassic 3; Ankerite 2; Calcite 1					
		Pervasive moderate to stong potassic alteration, weak to moderate pervasive ankeirite, spotty moderate to strong calcite					
61.50	63.00	Py01					
		Pyrite 1%					
		Disseminated fine grained pyrite					
63.00	64.50	Py01	63.00	64.50	R226483	1.50	0.454
		Pyrite 1%					
		Disseminated fine grained pyrite					
64.50	66.00	Py02	64.50	66.00	R226484	1.50	0.252
		Pyrite 2%					
		Disseminated fine grained, agglomerate and stringers pyrite					
66.00	67.50	Py01	66.00	67.50	R226485	1.50	0.423

Description				Assay				
				From	To	Sample number	Length	AuBest
			Pyrite 1%					
			Disseminated fine grained pyrite					
67.50	69.00		Py01	67.50	69.00	R226486	1.50	0.237
			Pyrite 1%					
			Disseminated fine grained pyrite					
69.00	70.50		Py00.5	69.00	70.50	R226487	1.50	0.034
			Pyrite 0.5%					
			Disseminated fine grained pyrite					
70.50	72.00		Py01	70.50	72.00	R226488	1.50	0.029
			Pyrite 1%					
			Disseminated fine grained pyrite					
72.00	73.50		Py01	72.00	73.50	R226489	1.50	0.087
			Pyrite 1%					
			Disseminated fine grained and veinlets pyrite					
73.50	74.60		Py00.5	73.50	74.60	R226490	1.10	0.036
			Pyrite 0.5%					
			Disseminated fine grained pyrite					
74.60	76.60		V9; Fol					
			Tuff 60°; Foliated					
			Fine to medium grained hard tuffacious unit?, banded dark and white (chlorite chlorite- quartz felspar) and foliated 30-40 dg/Ca, weak deformation arround some pinkisk silicious fragments. Alteration consist of strong pervasive ankerite, the unit is strongly magnetic with localized trace of chalcopyrite and pyrite in veinlets, weak to moderate chlorite, traces of pyrite. The upper and lower contact are irregular and broken with 60 dg/ca as general orientation					
74.60	76.80		Ank03; Ca02	74.60	75.60	R226491	1.00	0.006
			Ankerite 3; Calcite 2					
			Intense pervasive ankerite, layers dark chlorite					
74.60	76.60		Fln					
			Foliation 60°					
			Foliation 40-70 dg/Ca					
74.60	75.60		Py00.1					
			Pyrite 0.1%					
			traces					
75.60	76.60		Py00.1	75.60	76.60	R226492	1.00	0.008
			Pyrite 0.1%					
			traces					
76.60	129.85		V4a; Mass; Per; Vug	76.60	78.00	R226493	1.40	0.032
			Trachyte Altered 60°; Massive; PERLITIC; Vuggy					
			Pinkish grey- reddish grey/ oxide massive trachite flow, fine grained, alterning glassy quenched and perlitic zones, locally vuggy (95-102 m), the unit is inersect by rare secondary small quartz-ankerite-calcite veins and					

Description			Assay				
			From	To	Sample number	Length	AuBest
		veinlets. the micro fractures or cracks are fill of ankerite or fine grained pyrite, alteration consist of moderate to weak pervasive ankerite intermittant or spotty calcite, pervasive moderate to strong potassic alteration, localized dark chlorite close to devitrification area, weak to moderate patchy silicification, traces of sericite. Is alterming weak to moderate spottyy magnetic and non magnetic level. the unit is highly broken into angular pieces and some joints are moderately oxyde or weakly hematized., mineralisation conist of fine grained piyrite 0.5 to 2% as stringers veinlets or disseminated.					
76.60	91.50	BBC **Broken Blocky Core** blocky with angular fragments and localyzed oxydation					
76.60	78.00	Py00.5 **Pyrite 0.5%** Fine disseminated pyrite					
76.80	79.70	K03; Ank03 **Potassic 3; Ankerite 3** Intense pervasive ankerite chlorite alteration					
78.00	79.50	Py00.5 **Pyrite 0.5%** Fine disseminated pyrite	78.00	79.50	R226494	1.50	0.265
79.50	81.00	Py01 **Pyrite 1%** Disseminated fine grained pyrite	79.50	81.00	R226495	1.50	0.468
79.70	82.00	K03; Ank03; Si; Ox02 **Potassic 3; Ankerite 3; Silica; Oxidation 2** intense pervasive ankerite-potassic alteration,localized 30 cm silicification, oxydation in joints					
81.00	82.50	Py01 **Pyrite 1%** Fine disseminated pyrite	81.00	82.50	R226496	1.50	0.262
82.00	90.00	K03; Ank03 **Potassic 3; Ankerite 3** Intense pervasive potassic ankerite alteration traces of sericite					
82.50	84.00	Py01; Cp00.5 **Pyrite 1%; Chalcopyrite 0.5%** Fine disseminated pyrite	82.50	84.00	R226497	1.50	0.25
84.00	85.50	Py01 **Pyrite 1%** Fine disseminated pyrite	84.00	85.50	R226498	1.50	0.584
85.50	87.00	Py00.5 **Pyrite 0.5%** Fine disseminated pyrite	85.50	87.00	R226499	1.50	0.421
87.00	88.50	Py01	87.00	88.50	R226502	1.50	0.521

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 1%					
		Fine disseminated pyrite					
88.50	90.00	Py01	88.50	90.00	R226503	1.50	0.331
		Pyrite 1%					
		Fine disseminated pyrite					
90.00	91.15	Ox03; Ank02					
		Oxidation 3; Ankerite 2					
		INtense oxydation and moderate intermittant ankerite					
90.00	91.50	Py01	90.00	91.50	R226504	1.50	0.301
		Pyrite 1%					
		Fine disseminated pyrite					
91.15	106.50	Ank03; K02; Ca02					
		Ankerite 3; Potassic 2; Calcite 2					
		Pervasive intense ankerite, moderate pervasive potassic alteration, intense spotty calcite					
91.50	93.00	Py01	91.50	93.00	R226505	1.50	0.13
		Pyrite 1%					
		Disseminated fine grained pyrite					
93.00	94.50	Py01	93.00	94.50	R226506	1.50	0.249
		Pyrite 1%					
		Disseminated fine grained pyrite					
94.50	96.00	Py01	94.50	96.00	R226507	1.50	1.04
		Pyrite 1%					
		Disseminated fine grained pyrite					
96.00	97.50	Py01	96.00	97.50	R226508	1.50	0.411
		Pyrite 1%					
		Disseminated fine grained pyrite					
97.50	99.00	Py02	97.50	99.00	R226509	1.50	0.32
		Pyrite 2%					
		Disseminated fine grained pyrite					
99.00	100.50	Py02	99.00	100.50	R226510	1.50	0.388
		Pyrite 2%					
		Disseminated fine grained pyrite					
100.50	102.00	Py01	100.50	102.00	R226511	1.50	0.449
		Pyrite 1%					
		Disseminated fine grained pyrite					
102.00	103.50	Py02	102.00	103.50	R226512	1.50	0.449
		Pyrite 2%					
		Disseminated fine grained pyrite					
103.00	105.00	BBC					
		Broken Blocky Core					

Description			Assay				
			From	To	Sample number	Length	AuBest
		30 % Broken Blocky Core with 3-5 cm anglar fragments					
103.50	105.00	Py02	103.50	105.00	R226513	1.50	1.105
		Pyrite 2%					
		Disseminated fine grained pyrite					
105.00	106.50	Py01	105.00	106.50	R226514	1.50	1.035
		Pyrite 1%					
		Stringers veinlets and disseminated fine grained pyrite					
106.50	129.85	Ank03; K02; Cl01; He	106.50	108.00	R226515	1.50	0.347
		Ankerite 3; Potassic 2; Chlorite 1; Hematite					
		Pwevasive moderate to intense ankerite-potassic alteration, moderate to weak intermittant chlorite,					
		localized hematite.					
106.50	108.00	Py01					
		Pyrite 1%					
		Disseminated fine grained pyrite					
108.00	109.50	Py02	108.00	109.50	R226516	1.50	0.76
		Pyrite 2%					
		Disseminated fine grained pyrite					
109.50	111.00	Py02	109.50	111.00	R226517	1.50	0.74
		Pyrite 2%					
		Disseminated fine grained pyrite					
111.00	112.50	Py02	111.00	112.50	R226518	1.50	0.977
		Pyrite 2%					
		Stringers veinlets and disseminated fine grained pyrite					
112.50	114.00	Py02	112.50	114.00	R226519	1.50	0.563
		Pyrite 2%					
		Stringers veinlets and disseminated fine grained pyrite					
114.00	115.00	BBC					
		Broken Blocky Core					
		30 % Broken Blocky Core with 0.5- 5 cm fragments					
114.00	115.50	Py01	114.00	115.50	R226520	1.50	0.332
		Pyrite 1%					
		Stringers veinlets, massive and disseminated fine grained pyrite					
115.50	117.00	Py01	115.50	117.00	R226521	1.50	0.511
		Pyrite 1%					
		Disseminated fine grained pyrite					
117.00	118.50	Py02	117.00	118.50	R226522	1.50	0.336
		Pyrite 2%					
		Diisseminated fine grained pyrite					
118.50	120.00	Py02	118.50	120.00	R226523	1.50	0.526
		Pyrite 2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Disseminated fine grained pyrite					
120.00	130.00	BBCG	120.00	121.50	R226524	1.50	0.622
		Broken Blocky Core with gouge 60°					
		Broken Blocky Core with greenish gouge, the fragments are angular and represent arround 60% of the core. Some joints has hematite					
120.00	121.50	Py01					
		Pyrite 1%					
		Disseminated fine grained pyrite					
121.50	123.00	Py00.5	121.50	123.00	R226527	1.50	0.441
		Pyrite 0.5%					
		Disseminated fine grained pyrite					
123.00	124.50	Py00.5; Py					
		Pyrite 0.5%; Pyrite					
		Disseminated fine grained pyrite					
123.00	139.50	Vn;3%;Qak;In;60°;Py00.2;	123.00	124.50	R226528	1.50	1.295
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 60° Pyrite 0.2%					
		reddish infilled fractures quartz-ankerite veins					
124.50	126.00	Py01	124.50	126.00	R226529	1.50	1.42
		Pyrite 1%					
		Disseminated fine grained pyrite					
126.00	127.50	Py01	126.00	127.50	R226530	1.50	0.323
		Pyrite 1%					
		Disseminated fine grained pyrite					
127.50	129.00	Py02	127.50	129.00	R226531	1.50	0.652
		Pyrite 2%					
		Disseminated fine grained pyrite					
129.00	130.50	Py00.5	129.00	130.50	R226532	1.50	2.02
		Pyrite 0.5%					
		Disseminated fine grained pyrite					
129.85	249.70	V4T; Fol; Lam					
		Trachytic tuff 50°; Foliated; Laminated					
		Light yellowy green soft moderaltely hard trachyte tuff, fine to medium grained, locally cristal rich. The "fabric" is alterning 30- 70dg/Ca and // Ca wiih localized weak de formation(188-202 m and 244.45-249.70m The upper unit have some fragments oriented 40 dg/Ca // fabric" and intersect by reddish quartz veins and veinlets 30-70 dg/Ca. The magnetic is localized (212-213 m) with intense sericite ankerite alteration. localized weak pervasive silicification (244-249.70) It is mineralized trace to 1% pyrite disseminated.					
		@129.85-132.50 m transitional between massive ankerite-potassic trachyte flow and the tuffecious ankerite-sericite.					
129.85	192.70	Se03; Ank03; Cl03					
		Sericite 3; Ankerite 3; Chlorite 3					

Description			Assay				
			From	To	Sample number	Length	AuBest
		pervasive intense ankerite-sericite-chlorite(light green), quartz hematite viens and veinlets					
130.50	132.00	Py01	130.50	132.00	R226533	1.50	1.35
		Pyrite 1%					
		fine grained pyrite/ stringers					
132.00	156.00	Fln	132.00	133.50	R226534	1.50	0.225
		Foliation 40°					
		weak to moderte foliation					
132.00	133.50	Py00.2					
		Pyrite 0.2%					
		traces					
132.80	133.50	BBCG					
		Broken Blocky Core with gouge 50°					
		40% Broken Blocky Core with gouge, angular fragments up to 5 cm					
133.50	135.00	Py00.2	133.50	135.00	R226535	1.50	0.13
		Pyrite 0.2%					
		traces					
135.00	136.50	Py00.2	135.00	136.50	R226536	1.50	0.165
		Pyrite 0.2%					
		traces					
136.50	138.00	Py00.5	136.50	138.00	R226537	1.50	0.13
		Pyrite 0.5%					
		Stringers veinlets and disseminated fine grained pyrite					
138.00	139.50	Py00.5	138.00	139.50	R226538	1.50	0.087
		Pyrite 0.5%					
		euhedral and fine grained py disseminated					
139.50	141.00	Py00.1	139.50	141.00	R226539	1.50	0.163
		Pyrite 0.1%					
		traces					
141.00	142.50	Py00.1	141.00	142.50	R226540	1.50	0.027
		Pyrite 0.1%					
		traces					
142.50	144.00	Py00.2	142.50	144.00	R226541	1.50	0.019
		Pyrite 0.2%					
		traces /stringers					
144.00	145.50	Py00.1	144.00	145.50	R226542	1.50	0.027
		Pyrite 0.1%					
		traces					
145.50	147.00	Py00.1	145.50	147.00	R226543	1.50	0.037
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
147.00	148.50	Py00.1 **Pyrite 0.1%** traces	147.00	148.50	R226544	1.50	0.005
148.50	150.00	Py00.1 **Pyrite 0.1%** traces	148.50	150.00	R226545	1.50	0.006
150.00	151.50	Py00.1 **Pyrite 0.1%** traces	150.00	151.50	R226546	1.50	0.008
151.50	153.00	Py00.1 **Pyrite 0.1%** traces	151.50	153.00	R226547	1.50	0.009
153.00	154.50	Py00.1 **Pyrite 0.1%** traces	153.00	154.50	R226548	1.50	0.012
154.50	156.00	Py00.1 **Pyrite 0.1%** traces	154.50	156.00	R226549	1.50	0.383
156.00	193.00	Fln **Foliation 5°** moderate foliation 0-10 d/Ca	156.00	157.50	R226552	1.50	0.4
156.00	157.50	Py00.5 **Pyrite 0.5%** stringers veinlets pyrite					
157.50	159.00	Py00.1 **Pyrite 0.1%** traces	157.50	159.00	R226553	1.50	0.039
159.00	160.50	Py00.1 **Pyrite 0.1%** traces	159.00	160.50	R226554	1.50	0.015
160.50	162.00	Py00.1 **Pyrite 0.1%** traces	160.50	162.00	R226555	1.50	0.071
162.00	163.50	Py00.5 **Pyrite 0.5%** euhedral Pyrite	162.00	163.50	R226556	1.50	0.106
163.50	165.00	Py00.5 **Pyrite 0.5%** euherdral pyrite in foliation	163.50	165.00	R226557	1.50	0.01
165.00	166.50	Py00.5	165.00	166.50	R226558	1.50	0.05

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		euhedral and fine grained					
165.70	165.85	Vn;5%;Qak;In;80°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 80°					
		quartz-ankerite					
165.85	168.00	Vn;3%;Qak;In;0°;Py00.2;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 0° Pyrite 0.2%					
		quartz-ankerite // fabric					
166.50	168.00	Py00.5	166.50	168.00	R226559	1.50	0.119
		Pyrite 0.5%					
		euhedral and fine grained					
168.00	169.50	Py00.2	168.00	169.50	R226560	1.50	0.345
		Pyrite 0.2%					
		traces					
169.50	171.00	Py00.2	169.50	171.00	R226561	1.50	0.03
		Pyrite 0.2%					
		traces					
171.00	172.50	Py00.2	171.00	172.50	R226562	1.50	0.111
		Pyrite 0.2%					
		traces					
172.50	174.00	Py00.5	172.50	174.00	R226563	1.50	0.073
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
174.00	175.50	Py00.5	174.00	175.50	R226564	1.50	0.056
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
175.50	177.00	Py00.5	175.50	177.00	R226565	1.50	0.043
		Pyrite 0.5%					
		euhedral pyrite					
177.00	178.50	Py00.5	177.00	178.50	R226566	1.50	0.197
		Pyrite 0.5%					
		euhedral pyrite					
178.50	180.00	Py00.5	178.50	180.00	R226567	1.50	0.09
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
180.00	181.50	Py00.1	180.00	181.50	R226568	1.50	0.012
		Pyrite 0.1%					
		traces					
181.50	183.00	Py00.1	181.50	183.00	R226569	1.50	0.049
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
183.00	184.50	Py00.5	183.00	184.50	R226570	1.50	0.422
		Pyrite 0.5%					
		euhedral and fine grained pyrite disseminated					
184.50	186.00	Py00.2	184.50	186.00	R226571	1.50	0.073
		Pyrite 0.2%					
		traces					
186.00	187.50	Py00.2	186.00	187.50	R226572	1.50	0.017
		Pyrite 0.2%					
		traces					
187.50	189.00	Py00.2	187.50	189.00	R226573	1.50	0.014
		Pyrite 0.2%					
		traces					
189.00	190.50	Py00.2	189.00	190.50	R226574	1.50	0.025
		Pyrite 0.2%					
		traces					
190.50	192.00	Py00.2	190.50	192.00	R226577	1.50	0.019
		Pyrite 0.2%					
		traces					
192.00	193.50	Py00.2	192.00	193.50	R226578	1.50	0.049
		Pyrite 0.2%					
		traces					
192.70	244.00	Ank03; Cl02; Se02; K02					
		Ankerite 3; Chlorite 2; Sericite 2; Potassic 2					
		intense pervasive ankerite alteration, moderate pervasive sericite chlorite overprinted by potassic alteration					
193.00	200.00	Fln; DZ					
		Foliation 40°; Deformation Zone					
		moderate foliation 20-40 dg/Ca and weak deformation streaching					
193.50	195.00	Py00.2	193.50	195.00	R226579	1.50	0.009
		Pyrite 0.2%					
		traces					
195.00	196.50	Py00.2	195.00	196.50	R226580	1.50	0.031
		Pyrite 0.2%					
		traces					
196.50	198.00	Py00.7	196.50	198.00	R226581	1.50	3.22
		Pyrite 0.7%					
		euhedral and fine grained pyrite					
197.00	198.00	Vn;3%;Qak;In;20°;Py00.5;					
		vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 20° Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		quartz-ankerite vein with pyrite					
198.00	199.50	Py00.5	198.00	199.50	R226582	1.50	0.898
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
199.50	201.00	Py00.2	199.50	201.00	R226583	1.50	0.25
		Pyrite 0.2%					
		traces					
200.00	201.00	Fln					
		Foliation 5°					
		foliation 0-5dg/Ca					
201.00	210.00	Fln	201.00	202.50	R226584	1.50	0.121
		Foliation 60°					
		moderate foliation 50- 70°					
201.00	202.50	Py00.2					
		Pyrite 0.2%					
		traces					
202.50	204.00	Py00.2	202.50	204.00	R226585	1.50	0.928
		Pyrite 0.2%					
		traces					
204.00	205.50	Py00.2	204.00	205.50	R226586	1.50	0.38
		Pyrite 0.2%					
		traces					
205.50	207.00	Py00.2	205.50	207.00	R226587	1.50	0.172
		Pyrite 0.2%					
		traces					
207.00	208.50	Py00.2	207.00	208.50	R226588	1.50	0.157
		Pyrite 0.2%					
		traces					
208.50	210.00	Py00.2	208.50	210.00	R226589	1.50	0.155
		Pyrite 0.2%					
		traces					
210.00	238.60	Fln	210.00	211.50	R226590	1.50	0.241
		Foliation 40°					
		moderate foliation					
210.00	211.50	Py00.5					
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
211.50	213.00	Py00.5	211.50	213.00	R226591	1.50	0.325
		Pyrite 0.5%					
		euhedral and fine grained pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
213.00	214.50	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite	213.00	214.50	R226592	1.50	0.132
214.50	216.00	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite.	214.50	216.00	R226593	1.50	0.478
216.00	217.50	Py00.5 **Pyrite 0.5%** euherdral and fine grained pyrite diss					
216.00	220.00	Vn;5%;Qak;In;80°;; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 80°** quartz-ankerite, infilled fractures	216.00	217.50	R226594	1.50	0.354
217.50	219.00	Py00.5 **Pyrite 0.5%** euhdral and fine grained pyrite	217.50	219.00	R226595	1.50	0.049
219.00	220.50	Py00.2 **Pyrite 0.2%** traces	219.00	220.50	R226596	1.50	0.164
220.50	222.00	Py00.2 **Pyrite 0.2%** traces	220.50	222.00	R226597	1.50	0.036
222.00	223.50	Py00.5 **Pyrite 0.5%** euhedral and fine graines pyrite	222.00	223.50	R226598	1.50	0.447
223.50	225.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	223.50	225.00	R226599	1.50	0.106
225.00	226.50	Py00.5 **Pyrite 0.5%** fine grained pyrite	225.00	226.50	R226602	1.50	0.006
226.50	228.00	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	226.50	228.00	R226603	1.50	0.026
227.00	249.70	Vn;3%;Qak;In;40°;Py00.2; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40° Pyrite 0.2%** quartz-ankerite veins and venlets // foliation					
228.00	229.50	Py00.5 **Pyrite 0.5%** fine grained pyrite disseminated	228.00	229.50	R226604	1.50	0.057
229.50	231.00	Py00.5	229.50	231.00	R226605	1.50	0.153

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine grainedd pyrite disseminated or in veins					
231.00	232.50	Py00.5	231.00	232.50	R226606	1.50	0.128
		Pyrite 0.5%					
		euhedral en fine grained pyrite					
232.50	234.00	Py00.5	232.50	234.00	R226607	1.50	0.171
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
234.00	235.50	Py00.5	234.00	235.50	R226608	1.50	0.03
		Pyrite 0.5%					
		euhedral and fine graine pyrite locally in veins					
235.50	237.00	Py00.5	235.50	237.00	R226609	1.50	0.518
		Pyrite 0.5%					
		euhedral and fine graines pyrite veinlets // foliation					
237.00	238.50	Py00.5	237.00	238.50	R226610	1.50	0.181
		Pyrite 0.5%					
		euhedral pyrite					
238.50	240.00	Py00.2	238.50	240.00	R226611	1.50	0.074
		Pyrite 0.2%					
		traces					
238.60	247.50	Fln					
		Foliation 2°					
		weak to moderate foliation					
240.00	241.50	Py00.5	240.00	241.50	R226612	1.50	0.087
		Pyrite 0.5%					
		euhedral pyrite					
241.50	243.00	Py00.5	241.50	243.00	R226613	1.50	0.074
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
243.00	244.50	Py00.5	243.00	244.50	R226614	1.50	0.14
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
244.00	261.00	Si03; Ank03; K01; Cl01					
		Silica 3; Ankerite 3; Potassic 1; Chlorite 1					
		Pervasive silica-ankerite, patchy potassic and chlorite					
244.50	246.00	Py00.7	244.50	246.00	R226615	1.50	0.209
		Pyrite 0.7%					
		euhedral and fine grained pyrite disseminated					
246.00	247.50	Py00.7	246.00	247.50	R226616	1.50	0.077
		Pyrite 0.7%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine frained pyrite					
247.50	249.70	Fln	247.50	249.00	R226617	1.50	0.087
		Foliation 50°					
		moderate foliation					
247.50	249.00	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
249.00	250.50	Py00.5	249.00	250.50	R226618	1.50	0.063
		Pyrite 0.5%					
		fine grained pyrite					
249.70	261.00	V4a; Vol; Lithic					
		Trachyte Altered 60°; VOLCANICLASTIC; LITHIC					
		Light green grey trachytic volcanoclastique, the entire unit is glassy with some dark, light pink or white sub euhedral or euhedral fragments 0.5-5 cm, some patchy quartz-felspar-ankerite vein. The unit is altered to pervasive intense silicification, pervasive moderate ankerite and patchy potassic alteration. weak chlorite. It is non magnetic, mineralisation consist of fine grained disseminated pyrite up to 1% and localizee trace of galena infilled fractures.					
249.70	356.95	Bxh					
		Breccia healed					
		Volcano clastic and euhedral and sub euhedral fragments.					
250.50	252.00	Py00.5	250.50	252.00	R226619	1.50	0.028
		Pyrite 0.5%					
		fined grained pyrite					
252.00	253.50	Py00.5	252.00	253.50	R226620	1.50	0.051
		Pyrite 0.5%					
		traces of pyrite					
253.50	255.00	Py00.5	253.50	255.00	R226621	1.50	0.075
		Pyrite 0.5%					
		fine grained pyrite					
255.00	256.50	Py00.5	255.00	256.50	R226622	1.50	0.04
		Pyrite 0.5%					
		fine grained pyrite					
256.50	258.00	Py00.5	256.50	258.00	R226623	1.50	0.033
		Pyrite 0.5%					
		fine grained pyrite					
258.00	259.50	Py00.7	258.00	259.50	R226624	1.50	0.04
		Pyrite 0.7%					
		fine grained pyrite					
259.50	261.00	Py00.7	259.50	261.00	R226627	1.50	0.048
		Pyrite 0.7%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite					
261.00	276.00	V4; PRPH; Lithic					
		Trachyte; Porphyry; LITHIC					
		Pinkish porphyritic trachyte, presence of euhedral and sub euhedral lithic fragments. the contact with the upper altered trachyte is gradationnal, the lower contact present little volcanocalstic. The unit is entirely non magnetique, Is strongly altered to pervasive intense ankerite-potassic. Mineralisation consist of 0.5% euhedral and fine grained pyrite.					
261.00	276.00	K03; Ank02; Si01	261.00	262.50	R226628	1.50	0.122
		Potassic 3; Ankerite 2; Silica 1					
		Pervasive moderate to intense potassic-ankerite alteration, weak silica,					
261.00	262.50	Py00.5					
		Pyrite 0.5%					
		fine grained pyrite					
262.50	264.00	Py00.5; Py	262.50	264.00	R226629	1.50	0.104
		Pyrite 0.5%; Pyrite					
		fine grained pyrite					
264.00	265.50	Py00.7	264.00	265.50	R226630	1.50	0.127
		Pyrite 0.7%					
		fine grained pyrite					
265.50	267.00	Py00.5	265.50	267.00	R226631	1.50	0.296
		Pyrite 0.5%					
		fine grained pyrite					
267.00	268.50	Py00.5	267.00	268.50	R226632	1.50	0.338
		Pyrite 0.5%					
		fine grained pyrite					
268.50	270.00	Py00.5	268.50	270.00	R226633	1.50	0.25
		Pyrite 0.5%					
		fine grained pyrite					
270.00	271.50	Py00.7	270.00	271.50	R226634	1.50	0.08
		Pyrite 0.7%					
		fine grained disseninated pyrite					
271.50	273.00	Py00.7					
		Pyrite 0.7%					
		fine grained pyrite					
271.50	280.00	Vn;2%;Qak;;60°;;	271.50	273.00	R226635	1.50	0.062
		vein (5 mm - 10 cm) 2% quartz-ankerite 60°					
		Infilled quartz carbonates veins and veinlets					
273.00	274.50	Py00.5	273.00	274.50	R226636	1.50	0.156
		Pyrite 0.5%					
		fine grained pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
274.50	276.00	Py00.7 **Pyrite 0.7%** fine grained pyrite	274.50	276.00	R226637	1.50	0.113
276.00	356.95	V4a; Vol; Lithic **Trachyte Altered; VOLCANICLASTIC; LITHIC** Light green grey trachytic volcanoclastique, the entire unit is glassy with some dark fragments and localized gosh pheno cristals, light pink or white sub euhedral or euhedral fragments 0.5-5 cm, some patchy quartz-felspar-ankerite veins. the unit is altered to pervasive intense silicification, pervasive moderate ankerite and patchy potassic alteration, weak chlorite, It is non magnetic, mineralisation consist of fine grained disseminated pyrite up to 1% and localized galena infilled fractures. the contact with the upper unit is gradationnal.	276.00	277.50	R226638	1.50	0.063
276.00	315.50	Si03; Ank02; Cl01 **Silica 3; Ankerite 2; Chlorite 1** Pervasive intense silica, moderate ankerite, weak spotty chlorite					
276.00	277.50	Py00.5 **Pyrite 0.5%** fine grained pyrite					
277.50	279.00	Py00.7 **Pyrite 0.7%** Fine grained pyrite	277.50	279.00	R226639	1.50	0.05
279.00	280.50	Py00.7 **Pyrite 0.7%** Fine grained pyrite	279.00	280.50	R226640	1.50	0.048
280.50	282.00	Py00.7 **Pyrite 0.7%** fine grained pyrite	280.50	282.00	R226641	1.50	0.03
282.00	283.50	Py00.7 **Pyrite 0.7%** Fine grained pyrite	282.00	283.50	R226642	1.50	0.041
283.50	285.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	283.50	285.00	R226643	1.50	0.048
285.00	286.50	Py00.5 **Pyrite 0.5%** fine grained pyrite	285.00	286.50	R226644	1.50	0.054
286.50	288.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	286.50	288.00	R226645	1.50	0.052
288.00	289.50	Py00.5 **Pyrite 0.5%**	288.00	289.50	R226646	1.50	0.057

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite					
289.50	291.00	Py00.5	289.50	291.00	R226647	1.50	0.058
		Pyrite 0.5%					
		fine grained pyrite					
291.00	292.50	Py01	291.00	292.50	R226648	1.50	0.044
		Pyrite 1%					
		fine grained pyrite					
292.50	294.00	Py00.5	292.50	294.00	R226649	1.50	0.034
		Pyrite 0.5%					
		fine grained pyrite					
294.00	295.50	Py00.7	294.00	295.50	R226652	1.50	0.045
		Pyrite 0.7%					
		fine grained pyrite					
295.50	297.00	Py00.7	295.50	297.00	R226653	1.50	0.073
		Pyrite 0.7%					
		fine grained pyrite					
297.00	298.50	Py00.7	297.00	298.50	R226654	1.50	0.046
		Pyrite 0.7%					
		fine grained pyrite					
298.50	300.00	Py00.7	298.50	300.00	R226655	1.50	0.033
		Pyrite 0.7%					
		fine grained pyrite					
300.00	301.50	Py00.7	300.00	301.50	R226656	1.50	0.029
		Pyrite 0.7%					
		Fine grained pyrite					
301.50	303.00	Py01	301.50	303.00	R226657	1.50	0.047
		Pyrite 1%					
		fine grained pyrite					
303.00	304.50	Py00.7	303.00	304.50	R226658	1.50	0.029
		Pyrite 0.7%					
		fine grained pyrite					
304.50	306.00	Py00.7	304.50	306.00	R226659	1.50	0.027
		Pyrite 0.7%					
		fine grained pyrite					
306.00	307.50	Py00.5	306.00	307.50	R226660	1.50	0.033
		Pyrite 0.5%					
		fine grained pyrite					
307.50	309.00	Py00.5	307.50	309.00	R226661	1.50	0.026
		Pyrite 0.5%					
		euhedral and fine grained pyrite					

Description			Assay				
			From	To	Sample number	Length	AuBest
309.00	310.50	Py00.5 **Pyrite 0.5%** euhedral and fine grained pyrite	309.00	310.50	R226662	1.50	0.033
310.50	312.00	Py00.7 **Pyrite 0.7%** disseminated fine grained pyrite	310.50	312.00	R226663	1.50	0.034
312.00	313.50	Py00.5 **Pyrite 0.5%** fine grained pyrite	312.00	313.50	R226664	1.50	0.03
313.50	315.00	Py00.7 **Pyrite 0.7%** fine grained pyrite	313.50	315.00	R226665	1.50	0.041
315.00	316.50	Py00.7 **Pyrite 0.7%** fine grained pyrite	315.00	316.50	R226666	1.50	0.044
315.50	320.00	K03; Ank02 **Potassic 3; Ankerite 2** Intense pervasive potassic alteration, moderate pervasive ankerite					
316.50	318.00	Py00.7 **Pyrite 0.7%** fine grained pyrite	316.50	318.00	R226667	1.50	0.049
318.00	319.50	Py00.5 **Pyrite 0.5%** fine grained pyrite	318.00	319.50	R226668	1.50	0.03
319.50	321.00	Py01 **Pyrite 1%** fine grained pyrite	319.50	321.00	R226669	1.50	0.027
320.00	350.87	Si03; Ank03; Cl01 **Silica 3; Ankerite 3; Chlorite 1** Pervasive intense silica, moderate pervasive ankerite.					
321.00	322.50	Py01 **Pyrite 1%** fine grained pyrite	321.00	322.50	R226670	1.50	0.032
322.50	324.00	Py00.5 **Pyrite 0.5%** fine grained pyrite	322.50	324.00	R226671	1.50	0.026
324.00	325.50	Py00.5 **Pyrite 0.5%** fine grained pyrite	324.00	325.50	R226672	1.50	0.026
325.50	327.00	Py00.5	325.50	327.00	R226673	1.50	0.045

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.5%					
		fine grained pyrite					
327.00	328.50	Py00.5	327.00	328.50	R226674	1.50	0.044
		Pyrite 0.5%					
		fine grained pyrite					
328.50	330.00	Py00.5	328.50	330.00	R226677	1.50	0.064
		Pyrite 0.5%					
		fine grained pyrite					
330.00	331.50	Py00.5	330.00	331.50	R226678	1.50	0.025
		Pyrite 0.5%					
		fine grained pyrite					
331.50	333.00	Py00.5	331.50	333.00	R226679	1.50	0.037
		Pyrite 0.5%					
		fine grained pyrite					
333.00	334.50	Py00.5	333.00	334.50	R226680	1.50	0.033
		Pyrite 0.5%					
		fine grained pyrite					
334.50	336.00	Py00.5	334.50	336.00	R226681	1.50	0.031
		Pyrite 0.5%					
		Fine grained pyrite					
336.00	337.50	Py00.5	336.00	337.50	R226682	1.50	0.03
		Pyrite 0.5%					
		fine grained pyrite					
337.50	339.00	Py00.5	337.50	339.00	R226683	1.50	0.05
		Pyrite 0.5%					
		fine grained pyrite					
339.00	340.50	Py00.5	339.00	340.50	R226684	1.50	0.05
		Pyrite 0.5%					
		fine grained pyrite					
340.50	342.00	Py00.2	340.50	342.00	R226685	1.50	0.014
		Pyrite 0.2%					
		traces					
342.00	343.50	Py00.5	342.00	343.50	R226686	1.50	0.012
		Pyrite 0.5%					
		fine grained pyrite					
343.50	345.00	Py00.5	343.50	345.00	R226687	1.50	0.019
		Pyrite 0.5%					
		fine grained pyrite					
345.00	346.50	Py00.5	345.00	346.50	R226688	1.50	0.029
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fine grained pyrite					
346.50	348.00	Py01	346.50	348.00	R226689	1.50	0.069
		Pyrite 1%					
		fine grained pyrite fractures filling					
348.00	349.50	Py01	348.00	349.50	R226690	1.50	0.106
		Pyrite 1%					
		fine grained pyrite disseminated					
349.50	351.00	Py01	349.50	351.00	R226691	1.50	0.054
		Pyrite 1%					
		fine grainde pyrite disseminated					
350.87	357.00	Ank02; Cl02; Cl					
		Ankerite 2; Chlorite 2; Chlorite					
		Spotty intense ankerite- chlorite, weak sericite.					
351.00	352.50	Py00.5	351.00	352.50	R226692	1.50	0.049
		Pyrite 0.5%					
		euhedral fine grained pyrite					
352.50	354.00	Py00.5	352.50	354.00	R226693	1.50	0.118
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
354.00	355.50	Py00.5	354.00	355.50	R226694	1.50	0.196
		Pyrite 0.5%					
		euhedral and fine grained pyrite					
355.50	357.00	Py00.5	355.50	357.00	R226695	1.50	0.079
		Pyrite 0.5%					
		fine grained pyrite					
356.95	425.85	V4T; Tuff; Fol					
		Trachytic tuff 30°; TUFF; Foliated					
		Light green to green trachytic tuff fine to medium grained, the unit is alterning massive and weakly foliation 30-40 dg/C., Is intersect by pleaded quartz- ankerite veins and veinlets, chlorite veinlets 20-30 dg/Ca, alteration consist of pervasive intense ankerite, moderate pervasive chlorite, pervasive weak to intense magnetism, mineralized traces to 0.5% fine grained and euhedral pyrite.					
357.00	368.40	Ank03; Cl03	357.00	358.50	R226696	1.50	0.007
		Ankerite 3; Chlorite 3					
		Pervasive intense ankerite, moderate to intense chlorite					
357.00	358.50	Py00.1					
		Pyrite 0.1%					
		traces					
358.50	360.00	Py00.1	358.50	360.00	R226697	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
360.00	361.50	Py00.1	360.00	361.50	R226698	1.50	0.006
		Pyrite 0.1%					
		traces					
361.50	363.00	Py00.1	361.50	363.00	R226699	1.50	0.009
		Pyrite 0.1%					
		traces					
363.00	364.50	Py00.1	363.00	364.50	R226702	1.50	0.068
		Pyrite 0.1%					
		traces					
364.50	366.00	Py00.1	364.50	366.00	R226703	1.50	0.009
		Pyrite 0.1%					
		traces					
366.00	367.50	Py00.1	366.00	367.50	R226704	1.50	<0.005
		Pyrite 0.1%					
		traces					
367.50	369.00	Py00.5	367.50	369.00	R226705	1.50	0.005
		Pyrite 0.5%					
		fine grained pyrite					
368.40	425.85	Ank03; Cl03; Se01; K01					
		Ankerite 3; Chlorite 3; Sericite 1; Potassic 1					
		Pervasive intense ankerite-chlorite alteration, weak spotty sericite, weak patchy potassic alteration					
369.00	370.50	Py00.1	369.00	370.50	R226706	1.50	0.013
		Pyrite 0.1%					
		traces					
370.50	372.00	Py00.1	370.50	372.00	R226707	1.50	0.024
		Pyrite 0.1%					
		traces					
372.00	373.50	Py00.1	372.00	373.50	R226708	1.50	0.009
		Pyrite 0.1%					
		traces					
373.50	375.00	Py00.1; Py	373.50	375.00	R226709	1.50	0.005
		Pyrite 0.1%; Pyrite					
		traces					
375.00	376.50	Py00.1	375.00	376.50	R226710	1.50	0.006
		Pyrite 0.1%					
		traces					
376.50	378.00	Py00.1	376.50	378.00	R226711	1.50	<0.005
		Pyrite 0.1%					
		traces					
378.00	379.50	Py00.1	378.00	379.50	R226712	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
379.50	381.00	Py00.1	379.50	381.00	R226713	1.50	0.006
		Pyrite 0.1%					
		traces					
381.00	382.50	Py00.1	381.00	382.50	R226714	1.50	0.025
		Pyrite 0.1%					
		traces					
382.50	384.00	Py00.1	382.50	384.00	R226715	1.50	0.011
		Pyrite 0.1%					
		traces					
384.00	385.50	Py00.1	384.00	385.50	R226716	1.50	0.007
		Pyrite 0.1%					
		traces					
385.50	387.00	Py00.1	385.50	387.00	R226717	1.50	0.014
		Pyrite 0.1%					
		traces					
387.00	388.50	Py00.1	387.00	388.50	R226718	1.50	0.026
		Pyrite 0.1%					
		traces					
388.50	390.00	Py00.1	388.50	390.00	R226719	1.50	0.008
		Pyrite 0.1%					
		traces					
390.00	391.50	Py00.1	390.00	391.50	R226720	1.50	0.005
		Pyrite 0.1%					
		traces					
391.50	393.00	Py00.1	391.50	393.00	R226721	1.50	0.012
		Pyrite 0.1%					
		traces					
392.00	421.00	Vn;2%;Qak Ak;In;40°;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite ankerite infilled fractures 40°					
		whitish or reddish quartz ankerite veins and veinlets with traces of pyrite					
393.00	394.50	Py00.2	393.00	394.50	R226722	1.50	0.027
		Pyrite 0.2%					
		traces					
394.50	396.00	Py00.1	394.50	396.00	R226723	1.50	<0.005
		Pyrite 0.1%					
		traces					
396.00	397.50	Py00.1	396.00	397.50	R226724	1.50	0.007
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
397.50	399.00	Py00.1	397.50	399.00	R226727	1.50	0.007
		Pyrite 0.1%					
		traces					
399.00	400.50	Py00.1	399.00	400.50	R226728	1.50	0.01
		Pyrite 0.1%					
		traces					
400.50	402.00	Py00.1	400.50	402.00	R226729	1.50	0.028
		Pyrite 0.1%					
		traces					
401.00	408.00	Fln					
		Foliation 30°					
		weak foliation					
402.00	403.50	Py00.5	402.00	403.50	R226730	1.50	0.009
		Pyrite 0.5%					
		fine and euhedral pyrite					
403.50	405.00	Py00.1	403.50	405.00	R226731	1.50	<0.005
		Pyrite 0.1%					
		traces					
405.00	406.50	Py00.1	405.00	406.50	R226732	1.50	<0.005
		Pyrite 0.1%					
		traces					
406.50	408.00	Py00.1	406.50	408.00	R226733	1.50	0.015
		Pyrite 0.1%					
		traces					
408.00	409.50	Py00.1	408.00	409.50	R226734	1.50	0.009
		Pyrite 0.1%					
		traces					
409.50	411.00	Py00.1	409.50	411.00	R226735	1.50	0.008
		Pyrite 0.1%					
		traces					
411.00	412.50	Py00.1	411.00	412.50	R226736	1.50	0.007
		Pyrite 0.1%					
		traces					
412.50	414.00	Py00.1	412.50	414.00	R226737	1.50	0.006
		Pyrite 0.1%					
		traces					
414.00	415.50	Py00.1	414.00	415.50	R226738	1.50	0.019
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
415.50	417.00	Py00.1 **Pyrite 0.1%** traces	415.50	417.00	R226739	1.50	0.024
417.00	418.50	Py00.1 **Pyrite 0.1%** traces	417.00	418.50	R226740	1.50	<0.005
418.50	420.00	Py00.1 **Pyrite 0.1%** traces	418.50	420.00	R226741	1.50	0.005
420.00	421.50	Py00.1 **Pyrite 0.1%** traces	420.00	421.50	R226742	1.50	<0.005
421.50	423.00	Py00.1 **Pyrite 0.1%** traces	421.50	423.00	R226743	1.50	0.007
423.00	424.50	Py00.1 **Pyrite 0.1%** traces	423.00	424.50	R226744	1.50	0.005
424.50	425.85	Py00.1 **Pyrite 0.1%** traces	424.50	425.85	R226745	1.35	0.008
425.85	**End of DDH** **Number of samples: 259** **Number of QAQC samples: 22** **Total sampled length: 386.25**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_104

Drilled by:	Major	Claims title:	
Described by:	Reza Hosseinnejad	Township:	Gauthier Township
		Range:	
		Lot:	
		From:	20/06/2014
		To:	03/07/2014
		Section:	
		Level:	
		Work place:	Upper Canada
		Description date:	05/07/2014

Collar

Azimuth: 0.0°
Dip: -60.0°
Length: 509.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,756.019
North	0.0	0.000	5,331,140.714
Elevation	0.0	0.000	343.675

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-60.0°	No	
ReflexEZS	45.00	2.3°	-60.7°	No	Mag = 56422
ReflexEZS	105.00	4.1°	-61.5°	No	Mag = 55116
ReflexEZS	165.00	3.9°	-61.8°	No	Mag = 56526
ReflexEZS	225.00	2.1°	-62.0°	No	Mag = 55886
ReflexEZS	285.00	5.0°	-61.8°	No	Mag = 55951
ReflexEZS	345.00	3.3°	-61.4°	No	Mag = 55573
ReflexEZS	405.00	5.9°	-61.6°	No	Mag = 55613
ReflexEZS	465.00	10.1°	-61.5°	No	Mag = 54883
ReflexEZS	509.00	7.5°	-61.2°	No	Mag = 56787

Description

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	33.00	OVB; Undie **Overburden; UNDEFINED** 33 meter overburden					
33.00	73.80	V4a; PorFG **Trachyte Altered; PORPHYRITIC (FINE GROUNDMASS)** The hole begins with a creamy-beigish fine grained and massive trachyte. The groundmass shows recrystallization and weak porphyritic texture. This interval highly altered by silicification and potassic alteration. The rock mineralized by medium to coarse grained disseminated pyrite as well as fill fractures locally up 5%. The unit is non magnetic and non calcitic. From 33 to 59.15 almost 40% of this interval mixed by whitish quartz veins crosscut the interval @ 45 dtca. From 59.15-61.15 a narrow trachyte tuff located inside trachyte porphyritic flow. Upper and lower contacts are sharp @ 80 dtca. The lower contact is chill margin with very fine grained glassy groundmass and strongly magnetic and no any crystals. After tuff interval the rock comes back in to the porphyry trachyte again with grey color and less and bigger phenose. This part shows less alteration and mineralization due to decreasing quartz vein to 5%. The rock is very hard and cannot be scratched by knife. The lower contact is shape @ 80 dtca.	33.00	34.50	Q067114	1.50	0.037
			34.50	36.00	Q067115	1.50	0.035
			36.00	37.50	Q067116	1.50	0.023
			37.50	39.00	Q067117	1.50	0.025
			39.00	40.50	Q067118	1.50	0.02
			40.50	42.00	Q067119	1.50	0.019
			42.00	43.50	Q067120	1.50	0.007
			43.50	45.00	Q067121	1.50	0.012
			45.00	46.50	Q067122	1.50	0.05
			46.50	48.00	Q067123	1.50	0.018
			48.00	49.50	Q067124	1.50	0.054
			49.50	51.00	Q067127	1.50	0.007
			51.00	52.50	Q067128	1.50	0.011
			52.50	54.00	Q067129	1.50	0.01
			54.00	55.50	Q067130	1.50	0.01
			55.50	57.00	Q067131	1.50	0.015
			57.00	58.50	Q067132	1.50	0.012
			58.50	60.00	Q067133	1.50	0.059
33.00	59.15	K03; Si03 **Potassic 3; Silica 3** Strong pervasive potassic and silica alteration.					
33.00	59.15	Py05 **Pyrite 5%** The rock mineralized by medium to coarse grained disseminated pyrite as well as fill fractures locally up 5%.					
33.00	59.15	Vm;40%;Qtz;Vc;45°;Py02; **major vein (10 cm or greater) 40% white quartz vein cross-cutting foliation 45° Pyrite 2%** A series of whitish massive quartz veins cross the rock @ 45 dtca. The margin of some of them shows ankerite alteration. This interval highly mineralized by medium to fine grained disseminated pyrite out of veins. There is no association between these structure and mineralization					
59.15	61.15	V4; Tuff **Trachyte 80°; TUFF** In this interval and from 180.05-180.20 a few narrow trachyte tuff located inside trachyte porphyritic flow.	60.00	61.50	Q067134	1.50	0.011

Description			Assay				
			From	To	Sample number	Length	AuBest
		Both contact are sharp @ 80 dtca. More description for mafic trachyte tuff from 73.80-166.85, 247.80-248.25, 279.40-283.5?					
61.15	73.80	Py02 **Pyrite 2%** The abundance of pyrite in this part of rock decreased to 2% and It become more larger with cubic shape. The rock mineralized by medium to coarse grained disseminated pyrite as well as fill fractures locally up 2%.					
61.50	73.80	K01; Si01 **Potassic 1; Silica 1** Isolated potassic and silica alteration.	61.50	63.00	Q067135	1.50	0.04
61.85	73.80	Vn;10%;Qtz;Vc;75°;Py01; **vein (5 mm - 10 cm) 10% white quartz vein cross-cutting foliation 75° Pyrite 1%** A series of whitish massive quartz veins cross the rock @ 75 dtca. The margin of some of them shows ankerite alteration. There is no obvious association between these structure and mineralization	63.00	64.50	Q067136	1.50	0.045
			64.50	66.00	Q067137	1.50	0.044
			66.00	67.50	Q067138	1.50	0.047
			67.50	69.00	Q067139	1.50	0.017
			69.00	70.50	Q067140	1.50	0.024
			70.50	72.00	Q067141	1.50	0.017
			72.00	73.50	Q067142	1.50	0.013
			73.50	75.00	Q067143	1.50	0.005
73.80	166.85	4U; Tuff **Ultramafic 80°; TUFF** Dark grey and blackish color, fine grained and soft. Patchy, wispy and veinlet calcite and talk alteration. Some of them elongated on the plan of foliation @ 75 dtca. Weak medium grained pyrite disseminated as well as fills fractures locally up to 0.4%. Quartz veining is trace. Calcite reactive is variable at the beginning it is weakly isolated calcitic but from 87m the rock becomes strongly pervasive calcitic. The rock is strongly pervasive magnetic. Somewhere weak deformation obvious.Three gouge faults wide 4,5 and 10 cm consequently from 162.20-162.24, 162.45-162.55 and 163.70-163.75 m cross the core @ 85 dtca. There is no mineralization associated with these structures.					
73.80	166.85	Talc02; Ca02 **Talc 2; Calcite 2** Intense isolated calcit and talk altertion.	75.00	76.50	Q067144	1.50	0.011
			76.50	78.00	Q067145	1.50	0.016
			78.00	79.50	Q067146	1.50	<0.005
			79.50	81.00	Q067147	1.50	<0.005
			81.00	82.50	Q067148	1.50	0.032
			82.50	84.00	Q067149	1.50	<0.005
			84.00	85.50	Q067152	1.50	<0.005
			85.50	87.00	Q067153	1.50	0.006

Description	Assay				
	From	To	Sample number	Length	AuBest
	87.00	88.50	Q067154	1.50	<0.005
	88.50	90.00	Q067155	1.50	<0.005
	90.00	91.50	Q067156	1.50	<0.005
	91.50	93.00	Q067157	1.50	<0.005
	93.00	94.50	Q067158	1.50	0.022
	94.50	96.00	Q067159	1.50	<0.005
	96.00	97.50	Q067160	1.50	0.015
	97.50	99.00	Q067161	1.50	<0.005
	99.00	100.50	Q067162	1.50	<0.005
	100.50	102.00	Q067163	1.50	<0.005
	102.00	103.50	Q067164	1.50	<0.005
	103.50	105.00	Q067165	1.50	0.005
	105.00	106.50	Q067166	1.50	0.052
	106.50	108.00	Q067167	1.50	0.012
	108.00	109.50	Q067168	1.50	0.008
	109.50	111.00	Q067169	1.50	<0.005
	111.00	112.50	Q067170	1.50	<0.005
	112.50	114.00	Q067171	1.50	<0.005
	114.00	115.50	Q067172	1.50	<0.005
	115.50	117.00	Q067173	1.50	<0.005
	117.00	118.50	Q067174	1.50	<0.005
	118.50	120.00	Q067177	1.50	<0.005
	120.00	121.50	Q067178	1.50	<0.005
	121.50	123.00	Q067179	1.50	<0.005
	123.00	124.50	Q067180	1.50	0.02
	124.50	126.00	Q067181	1.50	<0.005
	126.00	127.50	Q067182	1.50	<0.005
	127.50	129.00	Q067183	1.50	<0.005
	129.00	130.50	Q067184	1.50	<0.005
	130.50	132.00	Q067185	1.50	<0.005
	132.00	133.50	Q067186	1.50	<0.005
	133.50	135.00	Q067187	1.50	<0.005
	135.00	136.50	Q067188	1.50	<0.005
	136.50	138.00	Q067189	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
73.80	134.00	Py00.4					
		Pyrite 0.4%					
		Medium grained disseminated pyrite as well as fill fractures locally up 0.4%.					
137.90	137.95	Gg	138.00	139.50	Q067190	1.50	<0.005
		Fault gouge 85°	139.50	141.00	Q067191	1.50	0.007
		A gouge fault cross the core @85 dtca.There is no mineralization associated with these structure	141.00	142.50	Q067192	1.50	<0.005
			142.50	144.00	Q067193	1.50	<0.005
			144.00	145.50	Q067194	1.50	<0.005
			145.50	147.00	Q067195	1.50	<0.005
			147.00	148.50	Q067196	1.50	<0.005
			148.50	150.00	Q067197	1.50	<0.005
			150.00	151.50	Q067198	1.50	<0.005
			151.50	153.00	Q067199	1.50	<0.005
			153.00	154.50	Q067202	1.50	<0.005
			154.50	156.00	Q067203	1.50	<0.005
			156.00	157.50	Q067204	1.50	<0.005
			157.50	159.00	Q067205	1.50	<0.005
			159.00	160.50	Q067206	1.50	<0.005
			160.50	162.00	Q067207	1.50	0.055
			162.00	163.50	Q067208	1.50	0.415
162.10	163.70	Gg	163.50	165.00	Q067209	1.50	0.082
		Fault gouge 85°	165.00	166.50	Q067210	1.50	0.009
		Three gouge faults wide 4,5 and 10 cm consequently from 162.20-162.24, 162.45-162.55 and	166.50	168.00	Q067211	1.50	0.117
		163.70-163.75 m cross the core @ 85 dtca. There is no mineralization associated with these structures.					
166.85	286.20	V4a; Mass	168.00	169.50	Q067212	1.50	0.309
		Trachyte Altered 90°; Massive	169.50	171.00	Q067213	1.50	0.249
		With sharp contact @ 90 dtca and chilled margin wide 20 cm the hole goes into grey to pal grey with local area					
		of brownish, fine grained, phaneretic texture, massive and fractured trachyte flow. The rock strongly shows					
		pervasive silica, moderate albite and weak isolated potassic alteration. The alteration destroyed and masked					
		the texture. This unit mineralized by fine grained disseminated and fill fractures pyrite as well as few splash of					
		chalcopyrite with range 1-5%. The groundmass pervaded by a series of hire line quartz with minor ankerite					
		veinlets and veins @ variable orientation up to 5%.					
		The rock is not magnetic, non calcitic, weakly ankretic and very hard due to pervasice silicification.					
		From 174.65-175.40 the rock display hydrothermal braccia.					
		From 247.80-286.20 the intense silica alteration changes from pervasive to selective.					
		279.50-283.5 the rock shows strongly foliation or bending @35 dtca.(possible tachyte tuff)					
		At 286.20 the hole with sharp lower contact @ 35 dtca the hole goes into another narrow flow, brownish					
		phanertic texture, massive, silicified and strongly mineralized by fine grained disseminated pyrite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
166.85	170.00	K01; Si03					
		Potassic 1; Silica 3					
		weak pervasive potassic and intense pervasive silicia alteration.					
166.85	183.60	Py02					
		Pyrite 2%					
		In this interval fine disseminated pyrite is variable from 1-3%.					
166.85	229.50	Vt;5%;Qak;Ra;;;					
		veinlet (1-5 mm) 5% quartz-ankerite random					
		A series of quartz with ankerite veinlets cross @ variable orientation.					
170.00	171.70	Si03	171.00	172.50	Q067214	1.50	0.303
		Silica 3					
		intense pervasive silicia alteration.					
171.70	192.00	Si03; K01	172.50	174.00	Q067215	1.50	0.251
		Silica 3; Potassic 1	174.00	175.50	Q067216	1.50	0.103
		weak pervasive potassic and intense pervasive silicia alteration.	175.50	177.00	Q067217	1.50	0.242
			177.00	178.50	Q067218	1.50	0.074
			178.50	180.00	Q067219	1.50	0.273
			180.00	181.50	Q067220	1.50	0.167
			181.50	183.00	Q067221	1.50	0.154
			183.00	184.50	Q067222	1.50	0.123
183.60	195.00	Py01.5	184.50	186.00	Q067223	1.50	0.123
		Pyrite 1.5%	186.00	187.50	Q067224	1.50	0.116
		1 to 2% Fine disseminated as well as fills fractures pyrite	187.50	189.00	Q067227	1.50	0.123
			189.00	190.50	Q067228	1.50	0.1
			190.50	192.00	Q067229	1.50	0.096
192.00	232.40	Si02	192.00	193.50	Q067230	1.50	0.066
		Silica 2	193.50	195.00	Q067231	1.50	0.095
		Moderate pervasive silicia alteration.					
195.00	206.40	Py05	195.00	196.50	Q067232	1.50	0.114
		Pyrite 5%	196.50	198.00	Q067233	1.50	0.388
		Strongly mineralized by fine to medium disseminated pyrite as well as fill fractures up to 5%	198.00	199.50	Q067234	1.50	0.322
			199.50	201.00	Q067235	1.50	0.341
			201.00	202.50	Q067236	1.50	0.187
			202.50	204.00	Q067237	1.50	0.244
			204.00	205.50	Q067238	1.50	0.201

Description			Assay				
			From	To	Sample number	Length	AuBest
			205.50	207.00	Q067239	1.50	0.149
206.40	228.00	Py04	207.00	208.50	Q067240	1.50	0.066
		Pyrite 4%	208.50	210.00	Q067241	1.50	0.067
		Strongly mineralized by fine to medium disseminated pyrite as well as fill fractures up to 4-5%	210.00	211.50	Q067242	1.50	0.104
			211.50	213.00	Q067243	1.50	0.087
			213.00	214.50	Q067244	1.50	0.175
			214.50	216.00	Q067245	1.50	0.123
			216.00	217.50	Q067246	1.50	0.107
			217.50	219.00	Q067247	1.50	0.101
			219.00	220.50	Q067248	1.50	0.201
			220.50	222.00	Q067249	1.50	0.087
			222.00	223.50	Q067252	1.50	0.08
			223.50	225.00	Q067253	1.50	0.458
			225.00	226.50	Q067254	1.50	0.573
			226.50	228.00	Q067255	1.50	0.168
228.00	230.75	Py01	228.00	229.50	Q067256	1.50	0.193
		Pyrite 1%	229.50	231.00	Q067257	1.50	0.259
		Mineralized by fine disseminated pyrite	231.00	232.50	Q067258	1.50	0.37
231.50	250.50	Py04					
		Pyrite 4%					
		Strongly mineralized by fine to medium disseminated pyrite as well as fill fractures up to 4%					
231.75	232.00	Vn;95%;Qak;Vc;40°;;					
		vein (5 mm - 10 cm) 95% quartz-ankerite vein cross-cutting foliation 40°					
		A grey quartz with ankerite and feldspar cut the rock @ 40 dtca. the upper contact is mineralized by fine					
		graine dissiminated pyrite,					
232.40	291.15	Si03; Alb02; Ank01	232.50	234.00	Q067259	1.50	0.42
		Silica 3; Albite 2; Ankerite 1	234.00	235.50	Q067260	1.50	0.438
		Moderate pervasive albite, intense pervasive silicia and weak pervasive ankrite alteration.	235.50	237.00	Q067261	1.50	0.351
			237.00	238.50	Q067262	1.50	0.371
			238.50	240.00	Q067263	1.50	0.208
			240.00	241.50	Q067264	1.50	0.24
			241.50	243.00	Q067265	1.50	0.218
			243.00	244.50	Q067266	1.50	0.22
			244.50	246.00	Q067267	1.50	0.141
			246.00	247.50	Q067268	1.50	0.164

Description			Assay				
			From	To	Sample number	Length	AuBest
			247.50	249.00	Q067269	1.50	0.075
			249.00	250.50	Q067270	1.50	0.096
250.50	258.00	Py02	250.50	252.00	Q067271	1.50	0.122
		Pyrite 2%	252.00	253.50	Q067272	1.50	0.294
		Moderatly mineralized by fine to medium disseminated pyrite 2%	253.50	255.00	Q067273	1.50	0.321
			255.00	256.50	Q067274	1.50	0.129
			256.50	258.00	Q067277	1.50	1.545
258.00	268.50	Py04	258.00	259.50	Q067278	1.50	0.61
		Pyrite 4%	259.50	261.00	Q067279	1.50	0.086
		Mineralized by fine to medium disseminated pyrite as well as fill fractures up to 4%	261.00	262.50	Q067280	1.50	0.16
			262.50	264.00	Q067281	1.50	0.361
			264.00	265.50	Q067282	1.50	0.762
			265.50	267.00	Q067283	1.50	0.462
			267.00	268.50	Q067284	1.50	0.374
268.50	275.00	Py02	268.50	270.00	Q067285	1.50	0.405
		Pyrite 2%	270.00	271.50	Q067286	1.50	0.22
		Mineralized by fine to medium disseminated pyrite as well as fill fractures up to 2%	271.50	273.00	Q067287	1.50	0.101
			273.00	274.50	Q067288	1.50	0.25
			274.50	276.00	Q067289	1.50	0.247
275.00	287.50	Py04	276.00	277.50	Q067290	1.50	0.116
		Pyrite 4%	277.50	279.00	Q067291	1.50	0.502
		Strongly mineralized by fine to medium disseminated pyrite as well as fill fractures up to 4%	279.00	280.50	Q067292	1.50	1.57
			280.50	282.00	Q067293	1.50	1.74
			282.00	283.50	Q067294	1.50	0.905
			283.50	285.00	Q067295	1.50	0.542
			285.00	286.50	Q067296	1.50	0.105
286.20	291.15	V4a; Phan	286.50	288.00	Q067297	1.50	0.095
		Trachyte Altered; PHANERITIC					
		At 286.20 the hole with sharp lower contact @ 35 dtca the hole goes into another narrow flow, brownish grey					
		color phaneritic and massive texture, , silicified and strongly mineralized by fine grained disseminated pyrite.					
		The groundmass fractured and pervaded by a network of quartz ankerite veinlets @ variable orientation up					
		2%. some of this veinlets contains pyrite blebs. No magnetic, no calcitic and weak pervasive ankretic.					
287.50	304.00	Py01.5	288.00	289.50	Q067298	1.50	0.199
		Pyrite 1.5%	289.50	291.00	Q067299	1.50	0.365
		The mineralization reduces to 1.5%. This interval mineralized by fine to medium disseminated pyrite as	291.00	292.50	Q067302	1.50	0.227

Description			Assay				
			From	To	Sample number	Length	AuBest
		well as fill fractures.					
291.15	431.90	V4; Tuff	292.50	294.00	Q067303	1.50	0.176
		Trachyte; TUFF	294.00	295.50	Q067304	1.50	0.111
		The shape contact at 40 dtca marks the beginning of this green greyish to yellow green trachyte tuff. The rock displays moderate to intense selective ankerite, moderate sericite and weak green chlorite alteration. Fine grained groundmass contains few large clasts wide 1cm. somewhere groundmass is very fine grained and homogenises that shows strong green chlorite and sericite and ankerite alteration. The foliation changes from 0-90 dtca throughout the unit but general foliated @45 dtca. Somewhere the foliation changes to parallel to core axes. Magnetic is variable from non at start and isolated intense in down hole. Non calcitic. The mineralization consists of fine and moderate grained pyrite elongated on the plan of foliation locally up 1%. The rock also shows weakly pervasive proto_albtite alteration.					
		In the last four boxes the texture become more coarse and granular.					
295.00	300.50	Ank02; K01	295.50	297.00	Q067305	1.50	0.178
		Ankerite 2; Potassic 1	297.00	298.50	Q067306	1.50	0.071
		moderate pervasive ankrite and weak potassic alteration	298.50	300.00	Q067307	1.50	0.141
			300.00	301.50	Q067308	1.50	0.177
300.50	431.90	Ank03; Se02	301.50	303.00	Q067309	1.50	0.165
		Ankerite 3; Sericite 2	303.00	304.50	Q067310	1.50	0.221
		Intense selective ankrite and moderate selective sericite and chlorte alteration.					
304.00	320.50	Py00.5	304.50	306.00	Q067311	1.50	0.158
		Pyrite 0.5%	306.00	307.50	Q067312	1.50	0.215
		Trace dusty to medium grained pyrite disseminated up to locally 0.5%.	307.50	309.00	Q067313	1.50	0.051
			309.00	310.50	Q067314	1.50	0.136
			310.50	312.00	Q067315	1.50	0.074
			312.00	313.50	Q067316	1.50	0.064
			313.50	315.00	Q067317	1.50	0.085
			315.00	316.50	Q067318	1.50	0.158
			316.50	318.00	Q067319	1.50	0.105
317.85	324.00	Vn;30%;Qak;Ra;;;	318.00	319.50	Q067320	1.50	0.206
		vein (5 mm - 10 cm) 30% quartz-ankerite random	319.50	321.00	Q067321	1.50	0.089
		A series of ankeriote-quartz veins wide 4-15cm cross the core @ varable orientation. there is no mineralization associated with this struictures.	321.00	322.50	Q067322	1.50	0.059
			322.50	324.00	Q067323	1.50	0.074
			324.00	325.50	Q067324	1.50	0.211
			325.50	327.00	Q067327	1.50	0.04
			327.00	328.50	Q067328	1.50	0.039
			328.50	330.00	Q067329	1.50	0.098

Description			Assay				
			From	To	Sample number	Length	AuBest
			330.00	331.50	Q067330	1.50	0.101
			331.50	333.00	Q067331	1.50	0.079
			333.00	334.50	Q067332	1.50	0.011
			334.50	336.00	Q067333	1.50	0.038
			336.00	337.50	Q067334	1.50	0.036
			337.50	339.00	Q067335	1.50	0.067
338.70	339.30	Vn;85%;Qak;Vn;40°;; **vein (5 mm - 10 cm) 85% quartz-ankerite vein parallel to foliation 40°** A series of ankerite-quartz veins wide 1-4 cm cross the core @ 40 dtca. There is no mineralization associated with this struictures.	339.00	340.50	Q067336	1.50	0.046
340.00	347.00	Vn;15%;Qak;Vn;30°;; **vein (5 mm - 10 cm) 15% quartz-ankerite vein parallel to foliation 30°** A series of ankerite-quartz vein wide 4-10 cm cross the core @ 30 dtca. There is no mineralization associated with these structures.	340.50	342.00	Q067337	1.50	0.13
			342.00	343.50	Q067338	1.50	0.138
			343.50	345.00	Q067339	1.50	0.033
			345.00	346.50	Q067340	1.50	0.032
			346.50	348.00	Q067341	1.50	0.092
			348.00	349.50	Q067342	1.50	0.105
			349.50	351.00	Q067343	1.50	0.319
			351.00	352.50	Q067344	1.50	0.07
			352.50	354.00	Q067345	1.50	0.073
			354.00	355.50	Q067346	1.50	0.369
			355.50	357.00	Q067347	1.50	0.032
			357.00	358.50	Q067348	1.50	0.114
			358.50	360.00	Q067349	1.50	0.028
			360.00	361.50	Q067352	1.50	0.031
			361.50	363.00	Q067353	1.50	0.018
			363.00	364.50	Q067354	1.50	0.04
			364.50	366.00	Q067355	1.50	0.014
			366.00	367.50	Q067356	1.50	0.281
			367.50	369.00	Q067357	1.50	0.023
			369.00	370.50	Q067358	1.50	0.039
			370.50	372.00	Q067359	1.50	0.057
			372.00	373.50	Q067360	1.50	0.031
			373.50	375.00	Q067361	1.50	0.009
			375.00	376.50	Q067362	1.50	0.009
			376.50	378.00	Q067363	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
377.80	378.40	Vn;80%;Qak;Vn;35°;;	378.00	379.50	Q067364	1.50	0.082
		vein (5 mm - 10 cm) 80% quartz-ankerite vein parallel to foliation 35°	379.50	381.00	Q067365	1.50	<0.005
		A series of ankerite-quartz vein wide 1-4 cm cross the core @ 35 dtca. There is no mineralization	381.00	382.50	Q067366	1.50	0.009
		associated with these structures.	382.50	384.00	Q067367	1.50	0.018
			384.00	385.50	Q067368	1.50	0.026
			385.50	387.00	Q067369	1.50	0.042
			387.00	388.50	Q067370	1.50	0.108
			388.50	390.00	Q067371	1.50	0.026
			390.00	391.50	Q067372	1.50	<0.005
			391.50	393.00	Q067373	1.50	<0.005
392.00	421.00	Vn;10%;Qak;Vn;;;	393.00	394.50	Q067374	1.50	0.28
		vein (5 mm - 10 cm) 10% quartz-ankerite vein parallel to foliation	394.50	396.00	Q067377	1.50	0.014
		A series of ankerite-quartz vein wide 4-10 cm cross the core @ 30 dtca. somewhere paralel to foliation	396.00	397.50	Q067378	1.50	<0.005
		@ 90 dtca. There is no mineralization associated with these structures.	397.50	399.00	Q067379	1.50	0.006
			399.00	400.50	Q067380	1.50	0.178
			400.50	402.00	Q067381	1.50	0.59
			402.00	403.50	Q067382	1.50	0.341
			403.50	405.00	Q067383	1.50	0.123
			405.00	406.50	Q067384	1.50	0.327
			406.50	408.00	Q067385	1.50	2.24
			408.00	409.50	Q067386	1.50	0.968
			409.50	411.00	Q067387	1.50	0.068
			411.00	412.50	Q067388	1.50	0.151
			412.50	414.00	Q067389	1.50	0.011
			414.00	415.50	Q067390	1.50	0.023
			415.50	417.00	Q067391	1.50	0.045
			417.00	418.50	Q067392	1.50	0.012
			418.50	420.00	Q067393	1.50	0.005
			420.00	421.50	Q067394	1.50	<0.005
			421.50	423.00	Q067395	1.50	<0.005
			423.00	424.50	Q067396	1.50	<0.005
			424.50	426.00	Q067397	1.50	<0.005
			426.00	427.50	Q067398	1.50	<0.005
			427.50	429.00	Q067399	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			429.00	430.50	Q067402	1.50	<0.005
			430.50	432.00	Q067403	1.50	0.031
431.90	436.40	BX; Bx					
		Breccia 90°; Brecciated					
		Chilled margin contact @ 90 marks the beginning of this narrow fragmental brecciated unit. The contact is Fine grained, ankretic and glassy. Matrix contains 25% irregular shape reddish brown clasts and 10% ankretic wispy, patches and veins. Most of the clasts show potassic alteration. There is no mineralization, no magnetite and no quartz veins. The lower contact also is sharp and irregular.					
431.90	436.40	V4; Bx					
		Trachyte; Brecciated					
		Chilled margin contact @ 90 marks the beginning of this narrow fragmental brecciated unit. The contact is Fine grained, ankretic and glassy. Matrix contains 25% irregular shape reddish brown clasts and 10% ankretic wispy, patches and veins. Most of the clasts show potassic alteration. There is no mineralization, no magnetite and no quartz veins. The lower contact also is sharp and irregular.					
431.90	436.40	Bxh	432.00	433.50	Q067404	1.50	0.017
		Breccia healed 90°					
		Chilled margin contact @ 90 marks the beginning of this narrow fragmental brecciated unit. The contact is Fine grained, ankretic and glassy. Matrix contains 25% irregular shape reddish brown clasts and 10% ankretic wispy, patches and veins. Most of the clasts show potassic alteration. There is no mineralization, no magnetite and no quartz veins. The lower contact also is sharp and irregular.					
432.20	436.40	K03; Ank02	433.50	435.00	Q067405	1.50	0.017
		Potassic 3; Ankerite 2	435.00	436.50	Q067406	1.50	0.017
		selective intense potassic and ankerite alteration.					
436.40	509.00	V4; Phan	436.50	438.00	Q067407	1.50	0.316
		Trachyte 20°; PHANERITIC	438.00	439.50	Q067408	1.50	0.036
		Sharp inter finger contact @20 dtca, The first 3 meter of rock is glassy , hard, fragmental, mineralized by fine grained pyrite ,dark brown color and moderate potassic alteration. General mineralization is trace locally up to 2% by fine grained disseminated pyrite. Isolated moderate ankerite and chlorite alteration. The magnetite is variable and changes from intense pervasive to weak and moderately.	439.50	441.00	Q067409	1.50	0.064
			441.00	442.50	Q067410	1.50	0.092
			442.50	444.00	Q067411	1.50	0.874
		Green grey brown dark grey and blackish color predominantly changes due to intensity and alteration. Intense isolate chlorite, silica, magnetite, weak isolate potassic and ankerite alteration. There is no lamination and the rock is almost massive and fine to medium grained texture. Somewhere it contains a few large pinkish clasts (452-455)	444.00	445.50	Q067412	1.50	0.944
			445.50	447.00	Q067413	1.50	0.155
			447.00	448.50	Q067414	1.50	0.098
		From 455-456.8 the rock is bleach due to increasing ankerite veins, patches and wisps.	448.50	450.00	Q067415	1.50	0.084
		From 460.5-467.2 with upper sharp contact @ 45 dtca and gradational on the bottom. The rock has become dark grey to blackish and strongly magnetic.					
		From 497 to the end of the hole the core cocked looking, more fragmental and the abundance of chlorite stringers and patches increased throughout the rock. This interval also shows moderate isolated potassic alteration. There is 0.5% fine grained disseminated pyrite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
436.40	439.00	K01					
		Potassic 1					
		Weak pervasive potasic alteration.					
449.90	455.00	Py02	450.00	451.50	Q067416	1.50	0.317
		Pyrite 2%	451.50	453.00	Q067417	1.50	0.081
		Fine grained pyrite disseminated up to locally 2%.	453.00	454.50	Q067418	1.50	0.299
			454.50	456.00	Q067419	1.50	0.238
455.00	456.80	V4					
		Trachyte 10°					
		From 455-456.80 the rock is bleach due to increasing ankerite veins, patches and wisps.					
455.00	456.60	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite disseminated up to locally 0.5%					
455.00	464.00	Vn;10%;Qak;Ra;;;	456.00	457.50	Q067420	1.50	0.15
		vein (5 mm - 10 cm) 10% quartz-ankerite random	457.50	459.00	Q067421	1.50	0.215
		Spashes, patches, veins, veinlets of ankerite throughout the core up 10%.					
458.00	459.00	Py00.5					
		Pyrite 0.5%					
		Fine grained pyrite disseminated up to locally o.5					
459.00	468.50	Py01	459.00	460.50	Q067422	1.50	0.15
		Pyrite 1%					
		Fine grained pyrite disseminated up to locally 1-2%.					
460.50	467.20	V4; Phan	460.50	462.00	Q067423	1.50	0.219
		Trachyte 45°; PHANERITIC	462.00	463.50	Q067425	1.50	0.809
		From 460.5-467.2 with upper sharp contact @ 45 dtca and gradational on the bottom. The rock has become dark grey to blackish and strongly magnetic.	463.50	465.00	Q067427	1.50	0.223
			465.00	466.50	Q067428	1.50	0.134
			466.50	468.00	Q067429	1.50	0.175
			468.00	469.50	Q067430	1.50	0.049
			469.50	471.00	Q067431	1.50	0.012
			471.00	472.50	Q067432	1.50	0.011
			472.50	474.00	Q067433	1.50	0.011
			474.00	475.50	Q067434	1.50	0.014
			475.50	477.00	Q067435	1.50	0.022
			477.00	478.50	Q067436	1.50	0.013
			478.50	480.00	Q067437	1.50	0.008
			480.00	481.50	Q067438	1.50	0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
460.50	466.50	Cl02; Si02 **Chlorite 2; Silica 2** Intense pervasive chlorite and isolated moderate silica alteration. The core is very hard and cannot be scratched by knife.					
481.00	493.00	Mg02 **Magnetite 2%** Euhedral fine to medium grained isolated magnetite.	481.50	483.00	Q067439	1.50	0.01
482.00	496.60	Mgt01; Cl03; Si01 **Magnetite 1; Chlorite 3; Silica 1** Intense pervasive chlorite and isolated strong magntite and weak silica alteration. The core is very hard and cannot be scratched by knife.	483.00	484.50	Q067440	1.50	0.014
			484.50	486.00	Q067441	1.50	0.009
			486.00	487.50	Q067442	1.50	0.022
			487.50	489.00	Q067443	1.50	0.016
			489.00	490.50	Q067444	1.50	0.015
			490.50	492.00	Q067445	1.50	0.006
			492.00	493.50	Q067446	1.50	0.015
			493.50	495.00	Q067447	1.50	0.009
			495.00	496.50	Q067448	1.50	0.013
			496.50	498.00	Q067449	1.50	0.02
496.60	509.00	K02; Cl02 **Potassic 2; Chlorite 2** selective moderate potassic and chlorite alteration.					
497.00	509.00	V4 **Trachyte** From 497 to the end of the hole the core cocked looking, more fragmental and the abundance of chlorite stringers and patches increased throughout the rock. This interval also shows moderate isolated potassic alteration. There is 0.5% fine grained disseminated pyrite.	498.00	499.50	Q067452	1.50	0.014
498.50	506.00	Py00.5; Mg01 **Pyrite 0.5%; Magnetite 1%** Dusty ehedral fine grained disseminated up 0.5%.	499.50	500.00	Q067453	0.50	0.028
			500.00	501.50	Q067454	1.50	0.008
			501.50	503.00	Q067455	1.50	0.028
			503.00	504.50	Q067456	1.50	0.021
			504.50	506.00	Q067457	1.50	0.006
			506.00	507.50	Q067458	1.50	0.006
			507.50	509.00	Q067459	1.50	0.02
509.00	**End of DDH** **Number of samples: 318** **Number of QAQC samples: 28** **Total sampled length: 476.00**						

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_105

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: A Richardson

From: 03/07/2014
To: 15/07/2014

Description date: 17/07/2014

Collar

Azimuth: 0.0°
Dip: -60.0°
Length: 642.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,650.089
North	0.0	0.000	5,331,133.519
Elevation	0.0	0.000	343.813

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-60.0°	No	
ReflexEZS	60.00	1.9°	-60.0°	No	Mag = 56397
ReflexEZS	120.00	3.9°	-61.1°	No	Mag = 55420
ReflexEZS	180.00	8.4°	-61.5°	Yes	Mag = 52090
ReflexEZS	240.00	3.6°	-61.7°	No	Mag = 55979
ReflexEZS	300.00	5.1°	-61.9°	No	Mag = 55654
ReflexEZS	360.00	8.9°	-61.7°	No	Mag = 55722
ReflexEZS	420.00	10.3°	-62.2°	No	Mag = 54977
ReflexEZS	480.00	12.7°	-62.3°	No	Mag = 54546
ReflexEZS	540.00	12.5°	-62.1°	No	Mag = 56130
ReflexEZS	600.00	15.9°	-62.3°	No	Mag = 55146
ReflexEZS	642.00	15.7°	-62.1°	No	Mag = 54730

Description

Core size: NQ
Cemented: Yes
Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	47.70	OVB					
		Overburden					
		casing/overburden					
47.70	73.64	FP					
		Feldspar Porphyry					
		Pink quartz rich groundmass with medium to coarse grained tabular to rounded whitish feldspar porphoroblasts (approx 15-20%). Brecciated lower contact. Unit is silicified and potassic. Unit is mineralized with trace to local 1% fine grained disseminated and rare coarse blebby pyrite.					
47.70	73.64	K01	47.70	49.00	Q070038	1.30	0.007
		Potassic 1	49.00	50.50	Q070039	1.50	0.005
		pervasive	50.50	52.00	Q070040	1.50	0.006
47.70	52.00	Py01					
		Pyrite 1%					
		fine grained disseminated					
52.00	55.00	Py02	52.00	53.50	Q070041	1.50	0.009
		Pyrite 2%	53.50	55.00	Q070042	1.50	0.02
		mostly fine grained with rarer coarse euhedral crystals					
55.00	59.50	Py01	55.00	56.50	Q070043	1.50	0.022
		Pyrite 1%	56.50	58.00	Q070044	1.50	0.04
		fine to medium disseminated	58.00	59.50	Q070045	1.50	0.026
59.50	61.00	Py01	59.50	61.00	Q070046	1.50	0.031
		Pyrite 1%					
		fine graine disseminated					
61.00	62.50	Py00.5	61.00	62.50	Q070047	1.50	0.026
		Pyrite 0.5%					
		fgr dis					
62.50	64.00	Py01	62.50	64.00	Q070048	1.50	0.024
		Pyrite 1%					
		fgr dis					
64.00	65.50	Py02	64.00	65.50	Q070049	1.50	0.019
		Pyrite 2%					
		fgr dis					
65.50	68.50	Py00.5	65.50	67.00	Q070052	1.50	0.01
		Pyrite 0.5%	67.00	68.50	Q070053	1.50	0.011
		fgr dis					
68.50	74.50	Py00.5	68.50	70.00	Q070054	1.50	0.024
		Pyrite 0.5%	70.00	71.50	Q070055	1.50	0.024
		fgr dis	71.50	73.00	Q070056	1.50	0.022

Description				Assay				
				From	To	Sample number	Length	AuBest
				73.00	74.50	Q070057	1.50	0.015
73.64	192.30	4U **Ultramafic** Dark, aphanitic, strongly talcose ultramafic flow with felsic minerals concentrated along flow undulating and crenulated flow boundaries. Unit has patchy fine grained disseminated pyrite. Upper 10m of unit is non-magnetic. Portions of the unit display some flowbanding and others have pillow-like features with thin selvages and minor interflow sediments.						
73.64	192.30	Talc03 **Talc 3** strongly talcose						
74.50	76.00	Py00.1 **Pyrite 0.1%** fgr dis		74.50	76.00	Q070058	1.50	<0.005
76.00	77.50	Py01 **Pyrite 1%** fgr dis		76.00	77.50	Q070059	1.50	<0.005
77.50	91.00	Py00.1 **Pyrite 0.1%** fgr dis		77.50	79.00	Q070060	1.50	0.014
				79.00	80.50	Q070061	1.50	<0.005
				80.50	82.00	Q070062	1.50	<0.005
				82.00	83.50	Q070063	1.50	<0.005
				83.50	85.00	Q070064	1.50	<0.005
				85.00	86.50	Q070065	1.50	<0.005
				86.50	88.00	Q070066	1.50	0.005
				88.00	89.50	Q070067	1.50	0.005
				89.50	91.00	Q070068	1.50	0.012
				91.00	92.50	Q070069	1.50	<0.005
				92.50	94.00	Q070070	1.50	0.009
94.00	101.50	Py00.5 **Pyrite 0.5%** fgr dis		94.00	95.50	Q070071	1.50	<0.005
				95.50	97.00	Q070072	1.50	<0.005
				97.00	98.50	Q070073	1.50	<0.005
				98.50	100.00	Q070074	1.50	0.006
				100.00	101.50	Q070077	1.50	0.015
101.50	106.00	Py01 **Pyrite 1%** fgr dis		101.50	103.00	Q070078	1.50	<0.005
				103.00	104.50	Q070079	1.50	0.005
				104.50	106.00	Q070080	1.50	0.006
				106.00	107.50	Q070081	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			107.50	109.00	Q070082	1.50	<0.005
109.00	115.00	Py00.5	109.00	110.50	Q070083	1.50	0.016
		Pyrite 0.5%	110.50	112.00	Q070084	1.50	<0.005
		fgr dis	112.00	113.50	Q070085	1.50	0.006
			113.50	115.00	Q070086	1.50	0.007
			115.00	116.50	Q070087	1.50	<0.005
			116.50	118.00	Q070088	1.50	<0.005
			118.00	119.50	Q070089	1.50	<0.005
119.50	127.00	Py00.1	119.50	121.00	Q070090	1.50	0.007
		Pyrite 0.1%	121.00	122.50	Q070091	1.50	0.01
		fgr dis	122.50	124.00	Q070092	1.50	0.007
			124.00	125.50	Q070093	1.50	<0.005
			125.50	127.00	Q070094	1.50	<0.005
			127.00	128.50	Q070095	1.50	<0.005
			128.50	130.00	Q070096	1.50	<0.005
130.00	134.50	Py00.1	130.00	131.50	Q070097	1.50	<0.005
		Pyrite 0.1%	131.50	133.00	Q070098	1.50	<0.005
		fgr dis	133.00	134.50	Q070099	1.50	<0.005
			134.50	136.00	Q070102	1.50	0.012
			136.00	137.50	Q070103	1.50	0.051
			137.50	139.00	Q070104	1.50	0.037
			139.00	140.50	Q070105	1.50	0.194
139.30	141.14	S6; Lam	140.50	142.00	Q070106	1.50	0.061
		Siltstone 40°; Laminated	142.00	143.50	Q070107	1.50	<0.005
		Interflow sedimentary material, 50-60% silt/fine sandstone and chloritic aphanitic matrix. Finely laminated	143.50	145.00	Q070108	1.50	<0.005
		with an irregular complex crenulation. Mineralized with 1-2% fine to coarse grained disseminated pyrite.	145.00	146.50	Q070109	1.50	<0.005
			146.50	148.00	Q070110	1.50	<0.005
			148.00	149.50	Q070111	1.50	<0.005
			149.50	151.00	Q070112	1.50	0.012
			151.00	152.50	Q070113	1.50	0.007
			152.50	154.00	Q070114	1.50	0.01
			154.00	155.50	Q070115	1.50	0.008
			155.50	157.00	Q070116	1.50	0.007
			157.00	158.50	Q070117	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
			158.50	160.00	Q070118	1.50	0.017
			160.00	161.50	Q070119	1.50	<0.005
			161.50	163.00	Q070120	1.50	<0.005
			163.00	164.50	Q070121	1.50	<0.005
			164.50	166.00	Q070122	1.50	<0.005
			166.00	167.50	Q070123	1.50	<0.005
			167.50	169.00	Q070124	1.50	<0.005
			169.00	170.50	Q070127	1.50	<0.005
			170.50	172.00	Q070128	1.50	0.011
			172.00	173.50	Q070129	1.50	<0.005
			173.50	175.00	Q070130	1.50	<0.005
			175.00	176.50	Q070131	1.50	<0.005
			176.50	178.00	Q070132	1.50	<0.005
			178.00	179.50	Q070133	1.50	<0.005
			179.50	181.00	Q070134	1.50	<0.005
			181.00	182.50	Q070135	1.50	<0.005
			182.50	184.00	Q070136	1.50	<0.005
			184.00	185.50	Q070137	1.50	<0.005
			185.50	187.00	Q070138	1.50	<0.005
			187.00	188.50	Q070139	1.50	<0.005
			188.50	190.00	Q070140	1.50	0.009
			190.00	191.50	Q070141	1.50	<0.005
			191.50	193.00	Q070142	1.50	0.006
192.30	198.97	DYKE					
		Dyke					
		Mafic Dyke. Dark, fine grained, non magnetic, weakly chloritic, brecciated and fragmented upper contact, sharp lower contact - ~90 TCA. Thin chill margin (4cm, glassy) at lower contact. Unit is weakly mineralized with 0.5% fine grained disseminated pyrite.					
192.30	198.97	Cl01	193.00	194.50	Q070143	1.50	0.007
		Chlorite 1	194.50	196.00	Q070144	1.50	0.008
		pervasive	196.00	197.50	Q070145	1.50	<0.005
			197.50	199.00	Q070146	1.50	0.005
198.97	220.75	4U					
		Ultramafic					
		As above ultramafic unit. Sharp lower contact, 55TCA					

Description			Assay				
			From	To	Sample number	Length	AuBest
198.97	220.75	Talc03	199.00	200.50	Q070147	1.50	0.009
		Talc 3	200.50	202.00	Q070148	1.50	<0.005
		pervasive	202.00	203.50	Q070149	1.50	0.005
			203.50	205.00	Q070152	1.50	0.005
			205.00	206.50	Q070153	1.50	0.007
			206.50	208.00	Q070154	1.50	0.005
			208.00	209.50	Q070155	1.50	<0.005
			209.50	211.00	Q070156	1.50	<0.005
			211.00	212.50	Q070157	1.50	0.008
			212.50	214.00	Q070158	1.50	0.007
			214.00	215.50	Q070159	1.50	0.005
			215.50	217.00	Q070160	1.50	<0.005
			217.00	218.50	Q070161	1.50	0.008
			218.50	220.00	Q070162	1.50	<0.005
			220.00	221.50	Q070163	1.50	0.408
220.75	307.86	V4					
		Trachyte 55°					
		Pink to greenish aphanitic trachyte flow. Alternating from weak chlorite-ankerite to ankerite-sericite alteration					
		with flow chill margins more strongly chloritized.					
220.75	222.60	K01					
		Potassic 1					
		red, pervasive					
221.00	222.50	Py00.5	221.50	223.00	Q070164	1.50	0.403
		Pyrite 0.5%					
		fgr dis					
222.60	226.18	Cl02	223.00	224.50	Q070165	1.50	0.013
		Chlorite 2	224.50	226.00	Q070166	1.50	0.017
		chill margin/glassy, pervasive					
226.00	236.00	Py00.5	226.00	227.50	Q070167	1.50	1.37
		Pyrite 0.5%					
		fgr dis					
226.18	261.50	K01; Ank	227.50	229.00	Q070168	1.50	0.357
		Potassic 1; Ankerite	229.00	230.00	Q070169	1.00	2.85
		pervasive Potassic>ankerite	230.00	231.50	Q070170	1.50	0.97
			231.50	233.00	Q070171	1.50	1.245
			233.00	234.50	Q070172	1.50	1.98

Description			Assay				
			From	To	Sample number	Length	AuBest
			234.50	236.00	Q070173	1.50	0.58
236.00	237.50	Py00.5; Cp00.1	236.00	237.50	Q070174	1.50	0.863
		Pyrite 0.5%; Chalcopyrite 0.1%					
		fgr dis py, fgr blebby cpy					
237.50	240.50	Py01	237.50	239.00	Q070177	1.50	0.537
		Pyrite 1%	239.00	240.50	Q070178	1.50	0.47
		fgr dis					
240.50	242.00	Py01; Cp00.1; PbS00.1	240.50	242.00	Q070179	1.50	0.271
		Pyrite 1%; Chalcopyrite 0.1%; Galena 0.1%					
		fgr dis py, fgr blebby cpy and gal					
242.00	251.00	Py01	242.00	243.50	Q070180	1.50	0.219
		Pyrite 1%	243.50	245.00	Q070181	1.50	0.29
		fgr dis	245.00	246.50	Q070182	1.50	0.143
			246.50	248.00	Q070183	1.50	0.134
			248.00	249.50	Q070184	1.50	0.325
			249.50	251.00	Q070185	1.50	0.251
251.00	252.50	Py00.1	251.00	252.50	Q070186	1.50	0.16
		Pyrite 0.1%					
		fgr dis					
252.50	264.50	Py01	252.50	254.00	Q070187	1.50	0.135
		Pyrite 1%	254.00	255.50	Q070188	1.50	0.129
		fgr dis	255.50	257.00	Q070189	1.50	0.122
			257.00	258.50	Q070190	1.50	0.752
			258.50	260.00	Q070191	1.50	1.205
			260.00	261.50	Q070192	1.50	0.557
261.50	276.85	Ank01; Se01	261.50	263.00	Q070193	1.50	0.089
		Ankerite 1; Sericite 1	263.00	264.50	Q070194	1.50	0.092
		pervasive, ankerite>sericite					
264.50	266.00	Py02	264.50	266.00	Q070195	1.50	0.11
		Pyrite 2%					
		fgr dis					
266.00	281.00	Py01	266.00	267.50	Q070196	1.50	0.069
		Pyrite 1%	267.50	269.00	Q070197	1.50	0.166
		fgr dis	269.00	270.50	Q070198	1.50	0.085
			270.50	272.00	Q070199	1.50	0.067
			272.00	273.50	Q070202	1.50	0.127
			273.50	275.00	Q070203	1.50	0.363

Description			Assay				
			From	To	Sample number	Length	AuBest
			275.00	276.50	Q070204	1.50	1.18
			276.50	278.00	Q070205	1.50	1.615
276.85	285.92	Ank01; Cl01	278.00	279.50	Q070206	1.50	0.86
		Ankerite 1; Chlorite 1	279.50	281.00	Q070207	1.50	0.057
		pevasive weak ankerite, patchy weak chlorite					
281.00	290.00	Py00.5	281.00	282.50	Q070208	1.50	0.249
		Pyrite 0.5%	282.50	284.00	Q070209	1.50	0.224
		fgr dis	284.00	285.50	Q070210	1.50	0.053
			285.50	287.00	Q070211	1.50	0.137
285.92	307.86	K01; Ank01	287.00	288.50	Q070212	1.50	0.098
		Potassic 1; Ankerite 1	288.50	290.00	Q070213	1.50	0.349
		weak pervasive, potassic>ankerite					
290.00	296.00	Py01	290.00	291.50	Q070214	1.50	0.586
		Pyrite 1%	291.50	293.00	Q070215	1.50	0.221
		fgr dis	293.00	294.50	Q070216	1.50	0.188
			294.50	296.00	Q070217	1.50	0.257
296.00	300.50	Py01	296.00	297.50	Q070218	1.50	0.189
		Pyrite 1%	297.50	299.00	Q070219	1.50	0.24
		fgr dis	299.00	300.50	Q070220	1.50	0.268
300.50	303.50	Py05	300.50	302.00	Q070221	1.50	0.374
		Pyrite 5%	302.00	303.50	Q070222	1.50	0.689
		fgr dis					
303.50	305.00	Py02	303.50	305.00	Q070223	1.50	0.307
		Pyrite 2%					
		fgr dis					
305.00	306.50	Py05	305.00	306.50	Q070224	1.50	0.494
		Pyrite 5%					
		fgr dis					
306.50	308.00	Py07	306.50	308.00	Q070227	1.50	0.581
		Pyrite 7%					
		fgr dis					
307.86	520.25	V4; Per					
		Trachyte; PERLITIC					
		Variable greenish greyish brown volcanoclastic trachyte unit with small red fragments. Is primarily a trachyite flow that is autobrecciated and contains minor interflow tuffaceous material. Trachyte fragments are weakly potassic altered, tuffaceous material is weakly chloritic and the entire unit is overprinted by weak ankerite. Texture is variably fractured with fragment size ranging from mm scale to single digit centimeter. Local rare fine grained specularite.					

Description			Assay				
			From	To	Sample number	Length	AuBest
307.86	463.82	Ank01; Cl01; K01					
		Ankerite 1; Chlorite 1; Potassic 1					
		Potassic alteration of trachyte frags, chloritized tuffaceous interflow and a pervasive ankerite overprint					
		of everything.					
308.00	314.00	Py03	308.00	309.50	Q070228	1.50	0.198
		Pyrite 3%	309.50	311.00	Q070229	1.50	0.445
		fgr dis	311.00	312.50	Q070230	1.50	0.233
			312.50	314.00	Q070231	1.50	0.255
314.00	318.50	Py05	314.00	315.50	Q070232	1.50	0.297
		Pyrite 5%	315.50	317.00	Q070233	1.50	0.19
		fgr dis	317.00	318.50	Q070234	1.50	0.248
318.50	320.00	Py02	318.50	320.00	Q070235	1.50	0.222
		Pyrite 2%					
		fgr dis					
320.00	323.00	Py05	320.00	321.50	Q070236	1.50	0.235
		Pyrite 5%	321.50	323.00	Q070237	1.50	0.164
		fgr dis					
323.00	324.50	Py07	323.00	324.50	Q070238	1.50	0.221
		Pyrite 7%					
		fgr dis					
324.50	326.00	Py03	324.50	326.00	Q070239	1.50	0.06
		Pyrite 3%					
		fgr dis					
326.00	329.00	Py01	326.00	327.50	Q070240	1.50	0.025
		Pyrite 1%	327.50	329.00	Q070241	1.50	0.064
		fgr dis					
329.00	330.50	Py02	329.00	330.50	Q070242	1.50	0.127
		Pyrite 2%					
		fgr dis					
330.50	332.00	Py03	330.50	332.00	Q070243	1.50	0.081
		Pyrite 3%					
		fgr dis					
332.00	338.00	Py01	332.00	333.50	Q070244	1.50	0.02
		Pyrite 1%	333.50	335.00	Q070245	1.50	0.019
		fgr dis	335.00	336.50	Q070246	1.50	0.114
			336.50	338.00	Q070247	1.50	0.068
338.00	339.50	Py03	338.00	339.50	Q070248	1.50	0.077
		Pyrite 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis	339.50	341.00	Q070249	1.50	0.096
341.00	342.50	Py10	341.00	342.50	Q070252	1.50	0.125
		Pyrite 10%					
		fine to medium grained disseminated and fracture fill					
342.50	347.00	Py01	342.50	344.00	Q070253	1.50	0.213
		Pyrite 1%	344.00	345.50	Q070254	1.50	0.258
		fgr dis	345.50	347.00	Q070255	1.50	0.237
347.00	348.50	Py10	347.00	348.50	Q070256	1.50	0.494
		Pyrite 10%					
		f-med gr					
348.50	353.00	Py03	348.50	350.00	Q070257	1.50	0.223
		Pyrite 3%	350.00	351.50	Q070258	1.50	0.124
		fgr dis	351.50	353.00	Q070259	1.50	0.085
353.00	357.50	Py01	353.00	354.50	Q070260	1.50	0.03
		Pyrite 1%	354.50	356.00	Q070261	1.50	0.075
		fgr dis	356.00	357.50	Q070262	1.50	0.109
357.50	360.50	Py05	357.50	359.00	Q070263	1.50	0.112
		Pyrite 5%	359.00	360.50	Q070264	1.50	0.175
		f-med gr dis					
360.50	362.00	Py07	360.50	362.00	Q070265	1.50	0.16
		Pyrite 7%	362.00	363.50	Q070266	1.50	0.407
		f-med gr dis					
363.50	365.00	Py10	363.50	365.00	Q070267	1.50	0.329
		Pyrite 10%					
		f-med gr dis and along fractures					
365.00	369.50	Py01	365.00	366.50	Q070268	1.50	0.455
		Pyrite 1%	366.50	368.00	Q070269	1.50	0.204
		fgr dis	368.00	369.50	Q070270	1.50	0.125
369.50	371.00	Py05	369.50	371.00	Q070271	1.50	0.076
		Pyrite 5%					
		f-med gr dis					
371.00	374.00	Py10	371.00	372.50	Q070272	1.50	0.093
		Pyrite 10%	372.50	374.00	Q070273	1.50	0.056
		f-med gr dis and as fracture fill					
374.00	380.00	Py01	374.00	375.50	Q070274	1.50	0.087
		Pyrite 1%	375.50	377.00	Q070277	1.50	0.085
		f gr dis	377.00	378.50	Q070278	1.50	0.036

Description			Assay				
			From	To	Sample number	Length	AuBest
			378.50	380.00	Q070279	1.50	0.078
380.00	387.50	Py01	380.00	381.50	Q070280	1.50	0.08
		Pyrite 1%	381.50	383.00	Q070281	1.50	0.162
		fgr dis	383.00	384.50	Q070282	1.50	0.123
			384.50	386.00	Q070283	1.50	0.417
			386.00	387.50	Q070284	1.50	0.406
387.50	389.00	Py00.5	387.50	389.00	Q070285	1.50	0.743
		Pyrite 0.5%					
		fgr dis					
389.00	390.50	Py01	389.00	390.50	Q070286	1.50	0.228
		Pyrite 1%					
		fgr dish					
390.50	395.00	Py02	390.50	392.00	Q070287	1.50	0.293
		Pyrite 2%	392.00	393.50	Q070288	1.50	0.368
		fgr dis	393.50	395.00	Q070289	1.50	0.701
395.00	399.50	Py05	395.00	396.50	Q070290	1.50	0.469
		Pyrite 5%	396.50	398.00	Q070291	1.50	0.234
		fgr dis	398.00	399.50	Q070292	1.50	0.153
			399.50	401.00	Q070293	1.50	0.282
401.00	404.00	Py03	401.00	402.50	Q070294	1.50	0.07
		Pyrite 3%	402.50	404.00	Q070295	1.50	0.46
		fgr dis					
404.00	413.00	Py05	404.00	405.50	Q070296	1.50	0.663
		Pyrite 5%	405.50	407.00	Q070297	1.50	0.649
		fgr dis	407.00	408.50	Q070298	1.50	0.414
			408.50	410.00	Q070299	1.50	0.223
			410.00	411.50	Q070302	1.50	0.243
			411.50	413.00	Q070303	1.50	0.468
413.00	414.50	Py07	413.00	414.50	Q070304	1.50	0.29
		Pyrite 7%					
		fgr dis					
414.50	416.00	Py05	414.50	416.00	Q070305	1.50	0.179
		Pyrite 5%					
		fgr dis					
416.00	417.50	Py03	416.00	417.50	Q070306	1.50	0.357
		Pyrite 3%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis					
417.50	418.50	Py05	417.50	418.50	Q070307	1.00	0.328
		Pyrite 5%					
		fgr dis					
418.50	421.50	Py03	418.50	420.00	Q070308	1.50	0.404
		Pyrite 3%	420.00	421.50	Q070309	1.50	0.14
		fgr dis					
421.50	424.50	Py05	421.50	423.00	Q070310	1.50	0.132
		Pyrite 5%	423.00	424.50	Q070311	1.50	0.104
		fgr dis					
424.50	427.50	Py05	424.50	426.00	Q070312	1.50	0.125
		Pyrite 5%	426.00	427.50	Q070313	1.50	0.151
		fgr dis					
427.50	429.00	Py03	427.50	429.00	Q070314	1.50	0.175
		Pyrite 3%					
		fgr dsi					
429.00	432.00	Py05	429.00	430.50	Q070315	1.50	0.44
		Pyrite 5%	430.50	432.00	Q070316	1.50	0.509
		fgr dis					
432.00	436.50	Py03	432.00	433.50	Q070317	1.50	0.101
		Pyrite 3%	433.50	435.00	Q070318	1.50	0.137
		fgr dis	435.00	436.50	Q070319	1.50	0.176
436.50	438.00	Py01	436.50	438.00	Q070320	1.50	0.204
		Pyrite 1%					
		fgr dis					
438.00	439.50	Py03	438.00	439.50	Q070321	1.50	0.419
		Pyrite 3%					
		fgr dis					
439.50	442.50	Py01	439.50	441.00	Q070322	1.50	0.298
		Pyrite 1%	441.00	442.50	Q070323	1.50	0.053
		fgr dis					
442.50	444.00	Py00.5	442.50	444.00	Q070324	1.50	0.064
		Pyrite 0.5%					
		fgr dis					
444.00	445.50	Py00.1	444.00	445.50	Q070327	1.50	0.019
		Pyrite 0.1%					
		fgr dis					
445.50	447.00	Py01	445.50	447.00	Q070328	1.50	0.471
		Pyrite 1%	447.00	448.50	Q070329	1.50	1.56
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
448.50	450.00	Py03 **Pyrite 3%** fgr dis	448.50	450.00	Q070330	1.50	0.269
450.00	453.00	Py01 **Pyrite 1%** fgr dis	450.00	451.50	Q070331	1.50	0.657
			451.50	453.00	Q070332	1.50	0.171
453.00	454.50	Py00.1 **Pyrite 0.1%** fgr dis	453.00	454.50	Q070333	1.50	0.26
			454.50	456.00	Q070334	1.50	0.48
			456.00	457.50	Q070335	1.50	0.742
			457.50	459.00	Q070336	1.50	0.475
			459.00	460.50	Q070337	1.50	0.71
			460.50	462.00	Q070338	1.50	1.01
			462.00	463.50	Q070339	1.50	0.852
			463.50	465.00	Q070340	1.50	0.622
463.82	642.00	Ank01; Cl01 **Ankerite 1; Chlorite 1** Pervasive weak ankeritization, weak chloritization of groundmass.	465.00	466.50	Q070341	1.50	1.33
			466.50	468.00	Q070342	1.50	0.794
			468.00	469.50	Q070343	1.50	0.049
			469.50	471.00	Q070344	1.50	0.025
			471.00	472.50	Q070345	1.50	0.152
			472.50	474.00	Q070346	1.50	0.042
			474.00	475.50	Q070347	1.50	0.034
			475.50	477.00	Q070348	1.50	0.181
			477.00	478.50	Q070349	1.50	0.01
			478.50	480.00	Q070352	1.50	0.072
			480.00	481.50	Q070353	1.50	0.032
			481.50	483.00	Q070354	1.50	0.042
			483.00	484.50	Q070355	1.50	0.045
			484.50	486.00	Q070356	1.50	0.283
			486.00	487.50	Q070357	1.50	0.071
			487.50	489.00	Q070358	1.50	0.029
			489.00	490.50	Q070359	1.50	0.015
			490.50	492.00	Q070360	1.50	0.426
			492.00	493.50	Q070361	1.50	0.171
			493.50	495.00	Q070362	1.50	0.099
			495.00	496.50	Q070363	1.50	0.139

Description			Assay				
			From	To	Sample number	Length	AuBest
			496.50	498.00	Q070364	1.50	0.785
			498.00	499.50	Q070365	1.50	1.325
			499.50	501.00	Q070366	1.50	0.284
			501.00	502.50	Q070367	1.50	0.078
			502.50	504.00	Q070368	1.50	0.128
			504.00	505.50	Q070369	1.50	0.608
			505.50	507.00	Q070370	1.50	0.641
			507.00	508.50	Q070371	1.50	0.773
			508.50	510.00	Q070372	1.50	0.354
			510.00	511.50	Q070373	1.50	0.033
			511.50	513.00	Q070374	1.50	0.007
			513.00	514.50	Q070377	1.50	0.039
			514.50	516.00	Q070378	1.50	0.08
			516.00	517.50	Q070379	1.50	0.244
			517.50	519.00	Q070380	1.50	0.131
			519.00	520.50	Q070381	1.50	0.037
520.25	556.30	V4; Lithic	520.50	522.00	Q070382	1.50	0.206
		Trachyte; LITHIC	522.00	523.50	Q070383	1.50	0.889
		Varitextured lithic trachyte unit composed almost entirely of fragmental aphanitic volcaniclasic material. Fragments are generally angular, mm to cm scale, green to red in colour all in a very fine grained matrix, which sometimes appears to be glassy and others appears clastic. Unit is completely unsorted and non-foliated. Mineralization by fine grained disseminated pyrite throughout, up to 1% local. Pervasive ankerite overprint with a background chloritic alteration of the fine grained matrix material. Potassic alteration of some of the fragment population.					
523.50	526.50	Py00.1	523.50	525.00	Q070384	1.50	0.616
		Pyrite 0.1%	525.00	526.50	Q070385	1.50	1.31
		fgr dis					
526.50	529.50	Py01; Cp00.1	526.50	528.00	Q070386	1.50	0.15
		Pyrite 1%; Chalcopyrite 0.1%	528.00	529.50	Q070387	1.50	0.196
		fgr dis pyrite, trace fgr blebby chalcopyrite					
529.50	531.00	Py00.5	529.50	531.00	Q070388	1.50	0.499
		Pyrite 0.5%					
		fgr dis					
531.00	534.00	Py01	531.00	532.50	Q070389	1.50	0.073
		Pyrite 1%	532.50	534.00	Q070390	1.50	0.224
		fgr dis					
534.00	535.50	Py00.5	534.00	535.50	Q070391	1.50	0.443
		Pyrite 0.5%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis					
535.50	544.50	Py01	535.50	537.00	Q070392	1.50	0.136
		Pyrite 1%	537.00	538.50	Q070393	1.50	0.478
		fgr dis	538.50	540.00	Q070394	1.50	0.719
			540.00	541.50	Q070395	1.50	0.229
			541.50	543.00	Q070396	1.50	0.326
			543.00	544.50	Q070397	1.50	1.33
544.50	549.00	Py00.5	544.50	546.00	Q070398	1.50	1.17
		Pyrite 0.5%	546.00	547.50	Q070399	1.50	0.22
		fgr dis	547.50	549.00	Q070402	1.50	0.164
549.00	567.00	Py00.5	549.00	550.50	Q070403	1.50	0.174
		Pyrite 0.5%	550.50	552.00	Q070404	1.50	0.185
		fgr dis	552.00	553.50	Q070405	1.50	0.767
			553.50	555.00	Q070406	1.50	0.171
			555.00	556.50	Q070407	1.50	0.139
556.30	642.00	V4; Bx; FlBand	556.50	558.00	Q070408	1.50	0.087
		Trachyte; Brecciated ; FLOWBANDED	558.00	559.50	Q070409	1.50	0.216
		Greyish green to reddish coloured aphanitic trachyte flow. Locally brecciated, locally perlitic, pervasively	559.50	561.00	Q070410	1.50	0.215
		weakly ankerite and chlorite altered along flow boundaries. Trace to locally 1% fine grained disseminated pyrite	561.00	562.50	Q070411	1.50	0.106
		and few (1-2%) crosscutting ankerite +/- rare quartz veins/veinlets. Upper contact gradational.	562.50	564.00	Q070412	1.50	0.214
			564.00	565.50	Q070413	1.50	0.04
			565.50	567.00	Q070414	1.50	0.026
567.00	573.00	Py00.1	567.00	568.50	Q070415	1.50	0.046
		Pyrite 0.1%	568.50	570.00	Q070416	1.50	0.464
		fgr dis	570.00	571.50	Q070417	1.50	0.383
			571.50	573.00	Q070418	1.50	0.222
573.00	574.50	Py00.5	573.00	574.50	Q070419	1.50	0.152
		Pyrite 0.5%					
		fgr dis					
574.50	580.50	Py00.1	574.50	576.00	Q070420	1.50	0.1
		Pyrite 0.1%	576.00	577.50	Q070421	1.50	0.081
		fgr dis	577.50	579.00	Q070422	1.50	0.112
			579.00	580.50	Q070423	1.50	0.166
580.50	592.00	Py00.1	580.50	582.00	Q070424	1.50	0.111

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%	582.00	583.50	Q070427	1.50	0.165
		fgr dis	583.50	585.00	Q070428	1.50	0.073
			585.00	586.50	Q070429	1.50	0.112
			586.50	588.00	Q070430	1.50	0.051
			588.00	589.50	Q070431	1.50	0.055
			589.50	591.00	Q070432	1.50	0.06
			591.00	592.50	Q070433	1.50	0.086
			592.50	594.00	Q070434	1.50	0.063
			594.00	595.50	Q070435	1.50	0.222
			595.50	597.00	Q070436	1.50	0.017
			597.00	598.50	Q070437	1.50	0.052
			598.50	600.00	Q070438	1.50	0.005
			600.00	601.50	Q070439	1.50	<0.005
			601.50	603.00	Q070440	1.50	<0.005
			603.00	604.50	Q070441	1.50	0.134
			604.50	606.00	Q070442	1.50	0.026
			606.00	607.50	Q070443	1.50	<0.005
			607.50	609.00	Q070444	1.50	0.029
			609.00	610.50	Q070445	1.50	0.062
610.50	616.50	Py00.5	610.50	612.00	Q070446	1.50	0.03
		Pyrite 0.5%	612.00	613.50	Q070447	1.50	0.324
		fgr dis	613.50	615.00	Q070448	1.50	0.967
			615.00	616.50	Q070449	1.50	0.24
616.50	618.00	Py00.1	616.50	618.00	Q070452	1.50	0.57
		Pyrite 0.1%	618.00	619.50	Q070453	1.50	0.389
		fgr dis	619.50	621.00	Q070454	1.50	0.608
			621.00	622.50	Q070455	1.50	0.209
			622.50	624.00	Q070456	1.50	0.14
			624.00	625.50	Q070457	1.50	0.46
			625.50	627.00	Q070458	1.50	0.101
			627.00	628.50	Q070459	1.50	0.061
			628.50	630.00	Q070460	1.50	0.16
			630.00	631.50	Q070461	1.50	0.041
			631.50	633.00	Q070462	1.50	0.01

Description	Assay				
	From	To	Sample number	Length	AuBest
	633.00	634.50	Q070463	1.50	0.024
	634.50	636.00	Q070464	1.50	0.095
	636.00	637.50	Q070465	1.50	0.01
	637.50	639.00	Q070466	1.50	0.122
	639.00	640.50	Q070467	1.50	0.005
	640.50	642.00	Q070468	1.50	0.007
642.00	**End of DDH**				
	Number of samples: 397				
	Number of QAQC samples: 34				
	Total sampled length: 594.30				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_106

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: A Richardson

From: 15/07/2014
To: 18/07/2014

Description date: 22/07/2014

Collar

Azimuth: 0.0°
Dip: -55.0°
Length: 303.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,399.908
North	0.0	0.000	5,331,376.594
Elevation	0.0	0.000	341.552

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-55.0°	No	
ReflexEZS	66.00	1.4°	-54.7°	No	Mag = 55736
ReflexEZS	126.00	2.2°	-55.0°	No	Mag = 55201
ReflexEZS	189.00	2.5°	-55.2°	No	Mag = 56734
ReflexEZS	249.00	1.3°	-55.2°	No	Mag = 56387
ReflexEZS	303.00	2.5°	-54.9°	No	Mag = 56061

Description

Core size: NQ
Cemented: No
Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	54.60	OVB						
		Overburden						
		casing						
54.60	56.90	4U; Fra						
		Ultramafic; Fractured						
		Dark, talcose, aphanitic ultramafic volcanics. Contact appears transitional.						
54.60	56.90	Talc02		54.60	56.00	Q070469	1.40	<0.005
		Talc 2						
		pervasive						
56.00	57.50	Py00.1		56.00	57.50	Q070470	1.50	0.049
		Pyrite 0.1%						
		fgr disseminated						
56.90	99.30	V4; FlBand						
		Trachyte; FLOWBANDED						
		Grey to greyish red, very fine grained, flowbanded trachyte. Pervasive weak ankeritization, local potassic alteration of fragments. Unit contains intervals, few metres thick, of autobrecciated glassy flow boundaries with angular glassy potassic altered fragments in an ankeritized aphanitic grey matrix. Internal contacts are complex, though usualy sharp. Unit is mineralized by up to 1% disseminated pyrite. Wispy chlorite alteration is present, which often defines the flow fabric.						
56.90	61.12	Ank01						
		Ankerite 1						
		pervasive.						
57.50	59.00	Py01		57.50	59.00	Q070471	1.50	0.34
		Pyrite 1%						
		fgr dis						
59.00	60.50	Py02		59.00	60.50	Q070472	1.50	0.141
		Pyrite 2%						
		fgr dis						
60.50	62.00	Py03		60.50	62.00	Q070473	1.50	0.171
		Pyrite 3%						
		fgr dis						
61.12	61.64	K01; Ank01						
		Potassic 1; Ankerite 1						
		pervasive						
61.64	69.50	Ank01						
		Ankerite 1						
		pervasive						
62.00	63.50	Py00.1		62.00	63.50	Q070474	1.50	0.014
		Pyrite 0.1%		63.50	65.00	Q070477	1.50	0.018
		fgr dis		65.00	66.50	Q070478	1.50	0.03

Description			Assay				
			From	To	Sample number	Length	AuBest
			66.50	68.00	Q070479	1.50	0.07
68.00	72.50	Py00.1	68.00	69.50	Q070480	1.50	0.136
		Pyrite 0.1%					
		fgr dis					
69.50	76.42	K01; Ank01	69.50	71.00	Q070481	1.50	0.244
		Potassic 1; Ankerite 1	71.00	72.50	Q070482	1.50	0.117
		pervasive, potassic overprint					
72.50	74.00	Py01	72.50	74.00	Q070483	1.50	<0.005
		Pyrite 1%					
		fgr dis					
74.00	77.00	Py02	74.00	75.50	Q070484	1.50	0.769
		Pyrite 2%	75.50	77.00	Q070485	1.50	0.327
		fine to medium grained disseminated					
76.42	80.93	Ank01					
		Ankerite 1					
		pervasive					
77.00	78.50	Py00.5	77.00	78.50	Q070486	1.50	0.209
		Pyrite 0.5%					
		fgr dis					
78.50	86.00	Py02	78.50	80.00	Q070487	1.50	0.131
		Pyrite 2%	80.00	81.50	Q070488	1.50	0.331
		fgr dis					
80.93	86.60	Ank01; Cl01	81.50	83.00	Q070489	1.50	0.091
		Ankerite 1; Chlorite 1	83.00	84.50	Q070490	1.50	0.222
		pervasive ankerite with weak chlorite as interflow alteration - banded appearance	84.50	86.00	Q070491	1.50	0.224
86.00	89.00	Py05	86.00	87.50	Q070492	1.50	1.035
		Pyrite 5%					
		fine to coarse grained disseminated					
86.60	94.00	Ank01; K01	87.50	89.00	Q070493	1.50	0.552
		Ankerite 1; Potassic 1	89.00	90.50	Q070494	1.50	0.474
		ankerite overprinting a patchy potassic alteration event.					
90.50	95.00	Py03	90.50	92.00	Q070495	1.50	0.722
		Pyrite 3%	92.00	93.50	Q070496	1.50	0.833
		fine to coarse grained disseminated	93.50	95.00	Q070497	1.50	0.388
95.00	96.50	Py00.5	95.00	96.50	Q070498	1.50	0.142
		Pyrite 0.5%					
		fgr dis					
96.50	102.50	Py00.1	96.50	98.00	Q070499	1.50	0.015
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis	98.00	99.50	Q070502	1.50	0.005
99.30	199.90	V4; Lithic	99.50	101.00	Q070503	1.50	0.068
		Trachyte; LITHIC	101.00	102.50	Q070504	1.50	0.01
		Greyish green, fine grained trachyte flow with entrained angular to subangular greenish and reddish fragments	102.50	104.00	Q070505	1.50	0.013
		(up to 10% modal) and up to 15% felspar porphoroblasts. Pervasively ankeritized with local patchy potassic	104.00	105.50	Q070506	1.50	0.012
		alteration. Lower contact sharp, 70TCA.	105.50	107.00	Q070507	1.50	0.007
			107.00	108.50	Q070508	1.50	0.008
			108.50	110.00	Q070509	1.50	0.021
			110.00	111.50	Q070510	1.50	0.013
			111.50	113.00	Q070511	1.50	0.007
			113.00	114.50	Q070512	1.50	0.008
			114.50	116.00	Q070513	1.50	0.005
			116.00	117.50	Q070514	1.50	0.012
			117.50	119.00	Q070515	1.50	0.113
			119.00	120.50	Q070516	1.50	<0.005
			120.50	122.00	Q070517	1.50	0.019
			122.00	123.50	Q070518	1.50	0.011
			123.50	125.00	Q070519	1.50	0.017
			125.00	126.50	Q070520	1.50	0.038
			126.50	128.00	Q070521	1.50	0.027
			128.00	129.50	Q070522	1.50	0.062
			129.50	131.00	Q070523	1.50	0.039
			131.00	132.50	Q070524	1.50	0.031
			132.50	134.00	Q070527	1.50	0.038
			134.00	135.50	Q070528	1.50	0.018
			135.50	137.00	Q070529	1.50	0.015
			137.00	138.50	Q070530	1.50	0.024
			138.50	140.00	Q070531	1.50	0.027
			140.00	141.50	Q070532	1.50	0.024
99.30	141.26	Ank01; Cl01					
		Ankerite 1; Chlorite 1					
		weak, pervasive ankerite, weak pervasive light green chlorite					
141.26	150.17	K01; Ank01	141.50	143.00	Q070533	1.50	0.025
		Potassic 1; Ankerite 1	143.00	144.50	Q070534	1.50	0.019
		pervasive					

Description			Assay				
			From	To	Sample number	Length	AuBest
			144.50	146.00	Q070535	1.50	0.038
			146.00	147.50	Q070536	1.50	0.01
			147.50	149.00	Q070537	1.50	0.013
			149.00	150.50	Q070538	1.50	0.034
150.17	151.77	Ank01	150.50	152.00	Q070539	1.50	0.021
		Ankerite 1					
		pervasive					
151.77	185.73	K01; Ank01	152.00	153.50	Q070540	1.50	0.013
		Potassic 1; Ankerite 1	153.50	155.00	Q070541	1.50	0.02
		pervasive with ankerite overprinting potassic	155.00	156.50	Q070542	1.50	0.011
			156.50	158.00	Q070543	1.50	0.013
			158.00	159.50	Q070544	1.50	0.009
			159.50	161.00	Q070545	1.50	<0.005
			161.00	162.50	Q070546	1.50	<0.005
			162.50	164.00	Q070547	1.50	0.009
			164.00	165.50	Q070548	1.50	0.008
			165.50	167.00	Q070549	1.50	0.01
			167.00	168.50	Q070552	1.50	0.012
			168.50	170.00	Q070553	1.50	0.018
			170.00	171.50	Q070554	1.50	0.028
			171.50	173.00	Q070555	1.50	0.016
			173.00	174.50	Q070556	1.50	0.006
			174.50	176.00	Q070557	1.50	0.009
			176.00	177.50	Q070558	1.50	0.005
			177.50	179.00	Q070559	1.50	0.012
			179.00	180.50	Q070560	1.50	0.006
			180.50	182.00	Q070561	1.50	0.008
			182.00	183.50	Q070562	1.50	0.017
			183.50	185.00	Q070563	1.50	0.011
			185.00	186.50	Q070564	1.50	0.025
185.73	292.80	Ank01; Cl	186.50	188.00	Q070565	1.50	0.017
		Ankerite 1; Chlorite	188.00	189.50	Q070566	1.50	0.049
		pervasive	189.50	191.00	Q070567	1.50	0.024
			191.00	192.50	Q070568	1.50	0.025

Description			Assay				
			From	To	Sample number	Length	AuBest
			192.50	194.00	Q070569	1.50	0.022
			194.00	195.50	Q070570	1.50	0.017
			195.50	197.00	Q070571	1.50	0.045
			197.00	198.50	Q070572	1.50	0.053
			198.50	200.00	Q070573	1.50	0.032
199.90	300.00	V4; FlBand	200.00	201.50	Q070574	1.50	0.009
		Trachyte; FLOWBANDED	201.50	203.00	Q070577	1.50	0.024
		Green, fine grained, weakly flowbanded, pervasively weakly ankeritite and chlorite altered trachyte. Unit	203.00	204.50	Q070578	1.50	<0.005
		contains local patchy sections of crystal rich trachyte flow. Sharp upper contact at 70TCA. Weak pervasive	204.50	206.00	Q070579	1.50	<0.005
		magnetism. Unit has rare wispy sericite aligned with flow banding. Altereration changes near bottom of hole to	206.00	207.50	Q070580	1.50	<0.005
		potassic/ankerite.	207.50	209.00	Q070581	1.50	0.008
			209.00	210.50	Q070582	1.50	<0.005
			210.50	212.00	Q070583	1.50	0.005
			212.00	213.50	Q070584	1.50	0.006
			213.50	215.00	Q070585	1.50	0.015
			215.00	216.50	Q070586	1.50	0.007
			216.50	218.00	Q070587	1.50	<0.005
218.00	219.50	Py00.1	218.00	219.50	Q070588	1.50	<0.005
		Pyrite 0.1%	219.50	221.00	Q070589	1.50	<0.005
		cgr blebby	221.00	222.50	Q070590	1.50	<0.005
			222.50	224.00	Q070591	1.50	<0.005
			224.00	225.50	Q070592	1.50	<0.005
			225.50	227.00	Q070593	1.50	<0.005
			227.00	228.50	Q070594	1.50	<0.005
			228.50	230.00	Q070595	1.50	<0.005
			230.00	231.50	Q070596	1.50	0.005
			231.50	233.00	Q070597	1.50	<0.005
			233.00	234.50	Q070598	1.50	<0.005
			234.50	236.00	Q070599	1.50	<0.005
			236.00	237.50	Q070602	1.50	<0.005
			237.50	239.00	Q070603	1.50	<0.005
239.00	240.50	Py00.1	239.00	240.50	Q070604	1.50	<0.005
		Pyrite 0.1%	240.50	242.00	Q070605	1.50	<0.005
		med gr blebby	242.00	243.50	Q070606	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			243.50	245.00	Q070607	1.50	0.006
			245.00	246.50	Q070608	1.50	0.006
246.50	248.00	Py00.5	246.50	248.00	Q070609	1.50	0.012
		Pyrite 0.5%	248.00	249.50	Q070610	1.50	<0.005
		f-med gr blebby	249.50	251.00	Q070611	1.50	0.013
			251.00	252.50	Q070612	1.50	<0.005
			252.50	254.00	Q070613	1.50	0.008
			254.00	255.50	Q070614	1.50	<0.005
			255.50	257.00	Q070615	1.50	<0.005
			257.00	258.50	Q070616	1.50	<0.005
			258.50	260.00	Q070617	1.50	<0.005
			260.00	261.50	Q070618	1.50	<0.005
			261.50	263.00	Q070619	1.50	<0.005
			263.00	264.50	Q070620	1.50	<0.005
			264.50	266.00	Q070621	1.50	<0.005
			266.00	267.50	Q070622	1.50	<0.005
			267.50	269.00	Q070623	1.50	<0.005
			269.00	270.50	Q070624	1.50	<0.005
			272.00	273.50	Q070627	1.50	0.005
			273.50	275.00	Q070628	1.50	<0.005
			275.00	276.50	Q070629	1.50	<0.005
			276.50	278.00	Q070630	1.50	<0.005
			278.00	279.50	Q070631	1.50	0.006
			279.50	281.00	Q070632	1.50	<0.005
			281.00	282.50	Q070633	1.50	<0.005
			282.50	284.00	Q070634	1.50	0.005
			284.00	285.50	Q070635	1.50	<0.005
			285.50	287.00	Q070636	1.50	0.005
			287.00	288.50	Q070637	1.50	0.005
			288.50	290.00	Q070638	1.50	0.005
			290.00	291.50	Q070639	1.50	<0.005
			291.50	293.00	Q070640	1.50	<0.005
292.80	303.00	K01; Ank01	293.00	294.50	Q070641	1.50	0.017
		Potassic 1; Ankerite 1	294.50	296.00	Q070642	1.50	0.005
		pervasive weak potassic alteration with weak patchy ankerite alteration					

Description	Assay				
	From	To	Sample number	Length	AuBest
	296.00	297.50	Q070643	1.50	<0.005
	297.50	299.00	Q070644	1.50	0.007
	299.00	300.50	Q070645	1.50	0.006
	300.50	302.00	Q070646	1.50	<0.005
	302.00	303.00	Q070647	1.00	0.011
303.00 **End of DDH** **Number of samples: 165** **Number of QAQC samples: 23** **Total sampled length: 246.90**					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_107

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: Gilles Kamta

From: 17/06/2014
To: 20/07/2014

Description date: 20/06/2014

Collar

Azimuth: 360.0°
Dip: -65.0°
Length: 318.20 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,199.911
North	0.0	0.000	5,331,597.248
Elevation	0.0	0.000	338.763

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-65.0°	No	
ReflexEZS	60.00	4.8°	-64.5°	No	Mag = 56079
ReflexEZS	120.00	6.4°	-63.8°	No	Mag = 55791
ReflexEZS	180.00	8.3°	-64.0°	No	Mag = 55258
ReflexEZS	240.00	8.5°	-64.7°	No	Mag = 55362
ReflexEZS	300.00	9.7°	-64.4°	No	Mag = 55037

Description

The end at 318.20 m
There is no quick log for this hole

Core size: NQ
Cemented: Yes
Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	44.30	OVB						
		Overburden						
		Casing						
44.30	49.00	4U; Aph						
		Ultramafic 50°; APHANITIC						
		Greenish massive ultramafic is aphanitic, the is soft with secondary ankerite stringers veinlets with no preferential direction breacciated part of the the unit. It is altered to talc and chlorite with pervasive ankerite in the ground mass, moderate pervasive magnetism, some fractures and interval are rusty due to iron carboantes.is mineralized with traces of disseminates pyrite						
44.30	49.00	Cl03; Talc03; Ank01		44.30	45.30	R226265	1.00	0.006
		Chlorite 3; Talc 3; Ankerite 1						
		Pervasive intense talc-chlorite, weak pervasive ankerite						
44.30	45.30	Py00.1						
		Pyrite 0.1%						
		traces						
45.30	46.50	Py00.1		45.30	46.50	R226266	1.20	<0.005
		Pyrite 0.1%						
		traces						
46.50	48.00	Py00.1		46.50	48.00	R226267	1.50	0.01
		Pyrite 0.1%						
		traces						
48.00	49.00	FracZn; FAZ						
		Fracture Zone 60°; Fault Zone						
		Fracture Zone with Fault Zone and oxydation						
48.00	49.00	Py00.2		48.00	49.00	R226268	1.00	3.95
		Pyrite 0.2%						
		traces						
49.00	69.30	V4a; Mass; Per		49.00	50.00	R226269	1.00	0.02
		Trachyte Altered 80°; Massive; PERLITIC						
		Pinkish to reddish fine grained trachyte, generaly massive with localized perlitic textures and rare reddish fragments, part of unit is cracked and highly fractures wiht fault gouge. the cracks are fill of chlorite or spercularite stringers. many secondary quartz ankerite chlorite veins and veinlets with pyrite cross the unit. some vuggy in the trachytic matric/ quartz carbonates veinlets. alteration consist of intermittant ankerite, pervasive moderate to strong potassic alteration, localized hematite, spotty magnetic at the upper unit 49-61.70 m. It's mineralized traces to 0.5% pyrite.						
49.00	56.00	K03; Ank03; Ox02						
		Potassic 3; Ankerite 3; Oxidation 2						
		Intense pervasive ankerite, moderate pervasive ankerite, spotty oxydation						
49.00	50.00	Py00.2						
		Pyrite 0.2%						

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
49.49	49.77	Vm;100%;Qak;In;50°;;					
		major vein (10 cm or greater) 100% quartz-ankerite infilled fractures 50°					
		White quartz ankerite vein					
50.00	50.50	FracZn; Gg					
		Fracture Zone 60°; Fault gouge					
		Fracture Zone with Fault Zone and oxydation					
50.00	51.00	Py00.5	50.00	51.00	R226270	1.00	0.075
		Pyrite 0.5%					
		Euhedral pyrite					
51.00	52.50	Py00.5	51.00	52.50	R226271	1.50	0.058
		Pyrite 0.5%					
		euhedral and fine grained					
52.50	54.00	Py00.5	52.50	54.00	R226272	1.50	0.041
		Pyrite 0.5%					
		fine grained					
54.00	55.50	Hem00.2; Py00.1	54.00	55.50	R226273	1.50	0.049
		SPECULARITE 0.2%; Pyrite 0.1%					
		Specularite stringers traces of pyrite					
55.50	57.00	Py00.2; Hem00.1	55.50	57.00	R226274	1.50	0.015
		Pyrite 0.2%; SPECULARITE 0.1%					
		Traces of pyrite and specularite veinlets					
56.00	58.70	K02; Ank01; He01					
		Potassic 2; Ankerite 1; Hematite 1					
		Pervasive potassic, weak ankerite spotty hematite					
56.00	58.00	FracZn					
		Fracture Zone 50°					
		Fracture Zone with strong oxydation					
56.50	58.00	Vn;5%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 60°					
		White quartz-ankerite vein locally vuggy					
57.00	58.50	Py00.1; Hem00.1	57.00	58.50	R226277	1.50	0.005
		Pyrite 0.1%; SPECULARITE 0.1%					
		traces of pyrite and speculartite					
58.50	60.00	Hem00.5; Py00.1	58.50	60.00	R226278	1.50	0.006
		SPECULARITE 0.5%; Pyrite 0.1%					
		specularite veinlets and traces of pyrite					
58.70	61.50	K03; Ank02; Cl01					
		Potassic 3; Ankerite 2; Chlorite 1					
		Pervasive potassic, weak ankerite , dark chlorite					

Description			Assay				
			From	To	Sample number	Length	AuBest
60.00	61.50	Py00.5; Hem00.5; Cp00.2 **Pyrite 0.5%; SPECULARITE 0.5%; Chalcopyrite 0.2%** specularite veinlets and pyrite stringers	60.00	61.50	R226279	1.50	0.051
61.50	66.20	Cl03; Ank02; K01 **Chlorite 3; Ankerite 2; Potassic 1** Pervasive green chlorite, spotty potassic	61.50	63.00	R226280	1.50	0.005
61.50	63.00	Py00.5; Py **Pyrite 0.5%; Pyrite** euhedral					
63.00	64.50	Py00.1 **Pyrite 0.1%** traces	63.00	64.50	R226281	1.50	0.005
64.50	66.00	Py00.1 **Pyrite 0.1%** pyrite	64.50	66.00	R226282	1.50	0.005
66.00	67.50	Py00.1 **Pyrite 0.1%** traces	66.00	67.50	R226283	1.50	0.023
66.20	69.30	K03; Ank03; Cl01 **Potassic 3; Ankerite 3; Chlorite 1** Pervasive potassic-ankerite alteration pacthy chlorite					
67.50	69.00	Py00.2 **Pyrite 0.2%** Pyrite	67.50	69.00	R226284	1.50	0.011
69.00	70.50	Py00.2 **Pyrite 0.2%** traces	69.00	70.50	R226285	1.50	0.03
69.30	72.85	V4a; FlBand **Trachyte Altered 90°; FLOWBANDED** Pinkish green aphanitic banded trachyte flow, the banding alternante from 90 dg/Ca to // Ca. The layers are chlorite-quartz and potassic. Localized white quartz carbonate veins. The entire unit is pervasive ankerite alteration, localized moderate silicification, Is non magnetique, mineralisation consist of fine grained pyrite 0.5%.					
69.30	72.85	Ank03; Cl02; K02 **Ankerite 3; Chlorite 2; Potassic 2** Pervasive ankerite, moderate potassic- chlorite					
70.30	71.20	Vn;5%;Qak;In;70°;; **vein (5 mm - 10 cm) 5% quartz-ankerite infilled fractures 70°** quartz-ankerite veins traces og chlorite					
70.50	72.00	Py00.2 **Pyrite 0.2%**	70.50	72.00	R226286	1.50	0.063

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
72.00	73.50	Py00.2	72.00	73.50	R226287	1.50	0.048
		Pyrite 0.2%					
		traces					
72.85	93.39	V4a; Per; Cry					
		Trachyte Altered 90°; PERLITIC; CRYSTALRICH					
		Pinkish trachyte flow fine grained wich late tectonic micro breccias forming perlitic texure, locally felspar cristals, the unit present some whitish spots (ankerite), is non magnetique and strongly altered to pervasive ankerite and potassic, some chlorite-specularite stringers cross the rock., is mineralized trace to 0.5% pyrite, rare chalcopyrite in veinlets					
72.85	92.00	K03; Ank03					
		Potassic 3; Ankerite 3					
		intense pervasive potassic -ankerite alteration, fracturature or joints with oxydation					
73.50	75.00	Py00.2	73.50	75.00	R226288	1.50	0.006
		Pyrite 0.2%					
		traces					
75.00	76.50	Py00.2	75.00	76.50	R226289	1.50	0.024
		Pyrite 0.2%					
		traces					
76.50	78.00	Py00.2	76.50	78.00	R226290	1.50	0.131
		Pyrite 0.2%					
		Traces					
78.00	79.50	Py00.2	78.00	79.50	R226291	1.50	0.013
		Pyrite 0.2%					
		traces					
79.50	81.00	Py00.2	79.50	81.00	R226292	1.50	0.011
		Pyrite 0.2%					
		Traces					
81.00	82.50	Py00.2	81.00	82.50	R226293	1.50	0.01
		Pyrite 0.2%					
		Traces					
82.50	84.00	Py00.2	82.50	84.00	R226294	1.50	0.31
		Pyrite 0.2%					
		traces					
84.00	85.50	Py00.2	84.00	85.50	R226295	1.50	0.78
		Pyrite 0.2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
85.50	87.00	Py02	85.50	87.00	R226296	1.50	0.041
		Pyrite 2%					
		traces					
87.00	88.50	Py00.5	87.00	88.50	R226297	1.50	0.018
		Pyrite 0.5%					
		fine grained and euhedral pyrite					
88.50	90.00	Py00.5; Cp00.2	88.50	90.00	R226298	1.50	0.023
		Pyrite 0.5%; Chalcopyrite 0.2%					
		fine grained and euhedral pyrite, chalcopyrite in veins					
90.00	91.50	Py00.5	90.00	91.50	R226299	1.50	0.031
		Pyrite 0.5%					
		fine grained and euhedral pyrite					
91.50	93.00	Py00.2	91.50	93.00	R226302	1.50	0.037
		Pyrite 0.2%					
		traces					
92.00	93.04	Ank03; K02; Alb02; Cl01					
		Ankerite 3; Potassic 2; Albite 2; Chlorite 1					
		Pervasive intense ankerite, spotty potassic, chlorite					
93.00	94.50	Py00.2	93.00	94.50	R226303	1.50	0.019
		Pyrite 0.2%					
		traces					
93.04	96.00	Ank03; Cl02; Se01					
		Ankerite 3; Chlorite 2; Sericite 1					
		Pervasive intense ankerite and chlorite, weak sericite					
93.39	108.00	V9L; Lam					
		Lapilli Tuff 70°; Laminated					
		Fine Lightly yellowy green lapilli tuff/ volcano sediments, laminations with green and white bedding @ 50 dg/Ca, the unit is fine to medium grained, locally pinkish glassy fragments of trachyte (0.2-3 cm). The unit is intersect by a late white quartz-ankerite vein sub// Ca and quartz chlorite veinlets 20 dg/Ca, altered to pervasive ankerite, weak to intense chlorite, localizes pervasive intense sericite, the entire unit is non magnetic, mineralisation consit of traces of pyrite					
94.50	96.00	Py00.2	94.50	96.00	R226304	1.50	<0.005
		Pyrite 0.2%					
		traces					
96.00	99.65	Ank03; Cl02; Alb					
		Ankerite 3; Chlorite 2; Albite					
		pervasive ankerite, spotty chlorite albite as veins					

Description			Assay				
			From	To	Sample number	Length	AuBest
96.00	97.50	Py00.1 **Pyrite 0.1%** traces					
96.00	99.67	Vm;80%;Qtz;In;2°;; **major vein (10 cm or greater) 80% white quartz infilled fractures 2°** White quartz ankerite veins // Ca	96.00	97.50	R226305	1.50	0.005
97.50	99.00	Py00.1 **Pyrite 0.1%** traces	97.50	99.00	R226306	1.50	0.09
99.00	100.50	Py00.1 **Pyrite 0.1%** traces	99.00	100.50	R226307	1.50	0.062
99.65	102.70	Ank03; Cl02; K02; Se01 **Ankerite 3; Chlorite 2; Potassic 2; Sericite 1** Pervasive ankerite, spotty potassic, weak to mosderate chlorite- sericite					
100.00	102.20	Vn;3%;Qak;In;40°;; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures 40°** White and grey quartz veins 50-80 dg/Ca,					
100.50	102.00	Py00.1 **Pyrite 0.1%** traces	100.50	102.00	R226308	1.50	0.011
102.00	103.50	Py00.1 **Pyrite 0.1%** traces	102.00	103.50	R226309	1.50	0.028
102.70	108.00	Ank03; Cl03; Se03 **Ankerite 3; Chlorite 3; Sericite 3** Intense pervasive sericite-ankerite-chlorite					
103.50	105.00	Py00.1 **Pyrite 0.1%** traces	103.50	105.00	R226310	1.50	0.005
105.00	106.50	Py00.1 **Pyrite 0.1%** traces	105.00	106.50	R226311	1.50	<0.005
106.50	108.00	Py00.1 **Pyrite 0.1%** traces	106.50	108.00	R226312	1.50	<0.005
108.00	114.05	V8; Bnd; Cry **Pyroclastic 60°; Banded; CRYSTALRICH** Fine to medium grained green pyriclastic with localized graded bedding alterning fine and medium grained (mm-cm glassy fragment-cristal rich) layers. The entire unit is altered to intense pervasive ankerite, moderate	108.00	109.50	R226313	1.50	0.018

Description			Assay				
			From	To	Sample number	Length	AuBest
		to intense pervasive chlorite and sericite. It's mineralized fine grained disseminate pyrite or stringers pyrite					
		traces to 1%					
		The lower unit (113.26-113.90 m) is intersect by fine grained yellowy green trachyte fuff with fine nlaminations.					
		It is altered to sericite and chlorite.					
108.00	113.26	Ank03; Cl03; Se01; K01					
		Ankerite 3; Chlorite 3; Sericite 1; Potassic 1					
		Intense pervasive ankerite, moderate pervasive chlorite, spottyb weak sericite and potassic					
108.00	109.50	Py00.5					
		Pyrite 0.5%					
		Stringers veinlets					
109.50	111.00	Py00.2	109.50	111.00	R226314	1.50	0.006
		Pyrite 0.2%					
		traces					
111.00	112.50	Py00.7	111.00	112.50	R226315	1.50	0.22
		Pyrite 0.7%					
		fine grained disseminated or stringers					
112.50	114.00	Py00.2	112.50	114.00	R226316	1.50	0.374
		Pyrite 0.2%					
		traces					
113.26	114.05	Ank03; Se03; Cl03					
		Ankerite 3; Sericite 3; Chlorite 3					
		Intense pervasve ankerite-chlorite-sericite					
114.00	115.50	Py00.1					
		Pyrite 0.1%					
		traces					
114.00	126.60	Vn;10%;Qak;In;70°;;	114.00	115.50	R226317	1.50	0.075
		vein (5 mm - 10 cm) 10% quartz-ankerite infilled fractures 70°					
		infilled fractures veins locally as stockwork veinlets,					
114.05	144.00	V4; Vol; Lithic					
		Trachyte 70°; VOLCANICLASTIC; LITHIC					
		Pinkish green / greenish patchy pink intermediate trachyte is fine grained and intersect by some 3 mm- 10 cm glassy pinkish fragments locally with cherty aspect. Some lithic fragments can be observe. The upper unit 114.05-126.50) is intersect by late whitish felspar-ankerite randomly oriented veins (stockworks) or isolated quartz-ankerite/quartz calcite veins and veinlets 60-90 dg/ca with some lithic fragments. the unit intersect by 10-30 cm cristal rich intersection and rare fragments of pumice. The unit is altered to pervasive ankerite, intermittant calcite spotty moderate potassic and moderate to intense chlorite. The moderate magnetism is localyzed from 130m-142 m					
114.05	126.50	K02; Ank02; Cl01					
		Potassic 2; Ankerite 2; Chlorite 1					
		Moderate potassic-ankerite , intermittant chlorite					

Description			Assay				
			From	To	Sample number	Length	AuBest
115.50	117.00	Py00.1	115.50	117.00	R226318	1.50	0.284
		Pyrite 0.1%					
		traces					
117.00	118.50	Py00.2	117.00	118.50	R226319	1.50	0.162
		Pyrite 0.2%					
		traces					
118.50	120.00	Py00.2	118.50	120.00	R226320	1.50	0.139
		Pyrite 0.2%					
		traces					
120.00	121.50	Py00.2	120.00	121.50	R226321	1.50	0.149
		Pyrite 0.2%					
		traces					
121.50	123.00	Py00.2	121.50	123.00	R226322	1.50	0.1
		Pyrite 0.2%					
		traces					
123.00	124.50	Py00.2	123.00	124.50	R226323	1.50	0.079
		Pyrite 0.2%					
		traces					
124.50	126.00	Py00.2	124.50	126.00	R226324	1.50	0.11
		Pyrite 0.2%					
		traces					
126.00	127.50	Py00.2	126.00	127.50	R226327	1.50	0.026
		Pyrite 0.2%					
		traces					
126.50	142.00	Cl03; K02; Ank02; Se01					
		Chlorite 3; Potassic 2; Ankerite 2; Sericite 1					
		Pervasive intense chlorite, pervasive moderate ankerite, spotty potassic, weak sericite					
127.50	129.00	Py00.2	127.50	129.00	R226328	1.50	0.037
		Pyrite 0.2%					
		traces					
129.00	130.50	Py00.2; Mg00.2	129.00	130.50	R226329	1.50	0.021
		Pyrite 0.2%; Magnetite 0.2%					
		traces of pyrite and magnetite cristals					
130.50	132.00	Py00.2; Mg00.5	130.50	132.00	R226330	1.50	0.034
		Pyrite 0.2%; Magnetite 0.5%					
		Traces of pyrite, euhedral magnetite					
132.00	133.50	Py00.1; Mg00.5	132.00	133.50	R226331	1.50	0.013
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
133.50	135.00	Py00.1; Mg00.5	133.50	135.00	R226332	1.50	0.014

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
135.00	136.50	Py00.1; Mg00.5	135.00	136.50	R226333	1.50	0.018
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
136.50	138.00	Py00.1; Mg00.5	136.50	138.00	R226334	1.50	0.041
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
138.00	139.50	Py00.1; Mg00.5	138.00	139.50	R226335	1.50	0.018
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
139.50	141.00	Py00.1; Mg00.5	139.50	141.00	R226336	1.50	0.024
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
141.00	142.50	Py00.1; Mg00.5	141.00	142.50	R226337	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
142.00	173.00	Ca01; Cl03; Ank01					
		Calcite 1; Chlorite 3; Ankerite 1					
		intermittant week to moderate calcite, pervasive intense chlorite, weak ankerite					
142.50	144.00	Mg00.1; Mg00.2	142.50	144.00	R226338	1.50	0.008
		Magnetite 0.1%; Magnetite 0.2%					
		Traces of pyrite, euhedral ma					
144.00	318.20	V4MT	144.00	145.50	R226339	1.50	<0.005
		Trachyte mafic tuff					
		Greenish fine to mediun grained mafic to intermediate trachyte toufacious with some lithic fragments up to 3 cm, localized cristal rich layers and rare pumice. some laminations and foliation 30-60 dg/Ca can be observe. The unit is altered to pervasive ankerite, intermittant calcite spotty moderate potassic and moderate to intense chlorite. The entire unit is magnetic, mineralization consits of pyrite in traces.					
144.00	145.50	Py00.1; Mg00.5					
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
145.50	147.00	Py00.1; Mg00.5	145.50	147.00	R226340	1.50	<0.005
		Pyrite 0.1%; Magnetite 0.5%					
		Traces of pyrite, euhedral ma					
147.00	148.50	Py00.1	147.00	148.50	R226341	1.50	<0.005
		Pyrite 0.1%					
		traces					
148.50	150.00	Py00.1	148.50	150.00	R226342	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
150.00	151.50	Py00.1	150.00	151.50	R226343	1.50	<0.005
		Pyrite 0.1%					
		traces					
151.50	153.00	Py00.1	151.50	153.00	R226344	1.50	<0.005
		Pyrite 0.1%					
		traces					
153.00	154.50	Py00.1	153.00	154.50	R226345	1.50	0.008
		Pyrite 0.1%					
		traces					
154.50	156.00	Py00.1	154.50	156.00	R226346	1.50	<0.005
		Pyrite 0.1%					
		traces					
156.00	157.50	Py00.1	156.00	157.50	R226347	1.50	<0.005
		Pyrite 0.1%					
		traces					
157.50	159.00	Py00.1	157.50	159.00	R226348	1.50	<0.005
		Pyrite 0.1%					
		traces					
159.00	160.50	Py00.1	159.00	160.50	R226349	1.50	<0.005
		Pyrite 0.1%					
		traces					
160.50	162.00	Py00.1	160.50	162.00	R226352	1.50	<0.005
		Pyrite 0.1%					
		traces					
162.00	163.50	Py00.1	162.00	163.50	R226353	1.50	<0.005
		Pyrite 0.1%					
		traces					
163.50	165.00	Py00.1	163.50	165.00	R226354	1.50	<0.005
		Pyrite 0.1%					
		traces					
165.00	166.50	Py00.1	165.00	166.50	R226355	1.50	<0.005
		Pyrite 0.1%					
		traces					
166.50	168.00	Py00.1	166.50	168.00	R226356	1.50	<0.005
		Pyrite 0.1%					
		traces					
168.00	169.50	Py00.1	168.00	169.50	R226357	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
169.50	171.00	Py00.1 **Pyrite 0.1%** traces	169.50	171.00	R226358	1.50	0.005
171.00	172.50	Py00.1 **Pyrite 0.1%** traces	171.00	172.50	R226359	1.50	<0.005
172.50	174.00	Py00.1 **Pyrite 0.1%** traces	172.50	174.00	R226360	1.50	<0.005
173.00	204.00	Ca02; Cl03; Ank01 **Calcite 2; Chlorite 3; Ankerite 1** weak to moderate pervasive calcite, pervasive intense chlorite, weak ankerite					
174.00	175.50	Py00.1 **Pyrite 0.1%** traces	174.00	175.50	R226361	1.50	<0.005
175.50	177.00	Py00.1 **Pyrite 0.1%** traces	175.50	177.00	R226362	1.50	<0.005
177.00	178.50	Py00.1 **Pyrite 0.1%** traces	177.00	178.50	R226363	1.50	<0.005
178.50	180.00	Py00.1 **Pyrite 0.1%** traces	178.50	180.00	R226364	1.50	<0.005
180.00	181.50	Py00.1 **Pyrite 0.1%** traces	180.00	181.50	R226365	1.50	<0.005
181.50	183.00	Py00.1 **Pyrite 0.1%** traces	181.50	183.00	R226366	1.50	<0.005
183.00	184.50	Py00.1 **Pyrite 0.1%** traces	183.00	184.50	R226367	1.50	0.006
184.50	186.00	Py00.1 **Pyrite 0.1%** traces	184.50	186.00	R226368	1.50	0.019
186.00	187.50	Py00.1 **Pyrite 0.1%** traces	186.00	187.50	R226369	1.50	0.018
187.50	189.00	Py00.1	187.50	189.00	R226370	1.50	0.012

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
189.00	190.50	Py00.1	189.00	190.50	R226371	1.50	0.014
		Pyrite 0.1%					
		traces					
190.50	192.00	Py00.1	190.50	192.00	R226372	1.50	0.012
		Pyrite 0.1%					
		traces					
192.00	193.50	Py00.1	192.00	193.50	R226373	1.50	0.01
		Pyrite 0.1%					
		traces					
193.50	195.00	Py00.1	193.50	195.00	R226374	1.50	0.011
		Pyrite 0.1%					
		traces					
195.00	196.50	Py00.1	195.00	196.50	R226377	1.50	0.01
		Pyrite 0.1%					
		traces					
196.50	198.00	Py00.1	196.50	198.00	R226378	1.50	0.017
		Pyrite 0.1%					
		traces					
198.00	199.50	Py00.1	198.00	199.50	R226379	1.50	0.007
		Pyrite 0.1%					
		traces					
199.50	201.00	Py00.1	199.50	201.00	R226380	1.50	<0.005
		Pyrite 0.1%					
		traces					
201.00	202.50	Py00.1	201.00	202.50	R226381	1.50	<0.005
		Pyrite 0.1%					
		traces					
202.50	204.00	Py00.1	202.50	204.00	R226382	1.50	<0.005
		Pyrite 0.1%					
		traces					
204.00	213.00	Cl03; Alb01	204.00	205.50	R226383	1.50	<0.005
		Chlorite 3; Albite 1					
		Pervasive intense chlorite, weak ankerite, traces of sericite.					
204.00	205.50	Py00.1					
		Pyrite 0.1%					
		traces					
205.50	207.00	Py00.1	205.50	207.00	R226384	1.50	0.006
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
207.00	208.50	Py00.1	207.00	208.50	R226385	1.50	<0.005
		Pyrite 0.1%					
		traces					
208.50	210.00	Py00.1	208.50	210.00	R226386	1.50	<0.005
		Pyrite 0.1%					
		traces					
210.00	211.50	Py00.1	210.00	211.50	R226387	1.50	<0.005
		Pyrite 0.1%					
		traces					
211.50	213.00	Py00.1	211.50	213.00	R226388	1.50	<0.005
		Pyrite 0.1%					
		traces					
213.00	215.00	Ca02; Cl03; Ank01	213.00	214.50	R226389	1.50	<0.005
		Calcite 2; Chlorite 3; Ankerite 1					
		Moderate intermittant calcite, pervasive intense chlorite, weak ankerite, traces of sericite					
213.00	214.50	Py00.1					
		Pyrite 0.1%					
		traces					
214.50	216.00	Py00.1	214.50	216.00	R226390	1.50	<0.005
		Pyrite 0.1%					
		traces					
215.00	217.00	Cl03; Ank01; Se01					
		Chlorite 3; Ankerite 1; Sericite 1					
		Intense pervasive chlorite, moderate ankerite, traces of sericite					
216.00	217.50	Py00.1	216.00	217.50	R226391	1.50	<0.005
		Pyrite 0.1%					
		traces					
217.00	234.00	Cl03; Ank02; Ca01					
		Chlorite 3; Ankerite 2; Calcite 1					
		Intense Pervasive chlorite alteration, moderate pervasive ankerite, intermittant 10-20 cm calcite					
217.50	219.00	Py00.1	217.50	219.00	R226392	1.50	<0.005
		Pyrite 0.1%					
		traces					
219.00	220.50	Py00.1	219.00	220.50	R226393	1.50	<0.005
		Pyrite 0.1%					
		traces					
220.50	222.00	Py00.1	220.50	222.00	R226394	1.50	<0.005
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
222.00	223.50	Py00.1					
		Pyrite 0.1%					
		traces					
222.00	224.00	Vn;3%;Qca;In;60°;;	222.00	223.50	R226395	1.50	0.016
		vein (5 mm - 10 cm) 3% quartz-calcite infilled fractures 60°					
		pinkish quartz-calcite veins					
223.50	225.00	Py00.1	223.50	225.00	R226396	1.50	0.015
		Pyrite 0.1%					
		traces					
225.00	226.50	Py00.1	225.00	226.50	R226397	1.50	<0.005
		Pyrite 0.1%					
		traces					
226.50	228.00	Py00.1	226.50	228.00	R226398	1.50	<0.005
		Pyrite 0.1%					
		traces					
228.00	229.50	Py00.1	228.00	229.50	R226399	1.50	<0.005
		Pyrite 0.1%					
		traces					
229.50	231.00	Py00.1	229.50	231.00	R226402	1.50	0.005
		Pyrite 0.1%					
		traces					
231.00	232.50	Py00.1	231.00	232.50	R226403	1.50	<0.005
		Pyrite 0.1%					
		traces					
232.50	234.00	Py00.1	232.50	234.00	R226404	1.50	0.005
		Pyrite 0.1%					
		traces					
234.00	269.00	Cl03; Ank02; K01	234.00	235.50	R226405	1.50	0.017
		Chlorite 3; Ankerite 2; Potassic 1					
		Intense pervasive chlorite- ankerite, localized weak potassic alteration					
234.00	235.50	Py00.1					
		Pyrite 0.1%					
		traces					
235.50	237.00	Py00.1	235.50	237.00	R226406	1.50	<0.005
		Pyrite 0.1%					
		traces					
237.00	238.50	Py00.1	237.00	238.50	R226407	1.50	0.005
		Pyrite 0.1%					
		traces					
238.50	240.00	Py00.1	238.50	240.00	R226408	1.50	0.007

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
240.00	241.50	Py00.1	240.00	241.50	R226409	1.50	0.015
		Pyrite 0.1%					
		traces					
241.50	243.00	Py00.1	241.50	243.00	R226410	1.50	<0.005
		Pyrite 0.1%					
		traces					
243.00	244.50	Py00.1	243.00	244.50	R226411	1.50	0.007
		Pyrite 0.1%					
		traces					
244.50	246.00	Py00.1	244.50	246.00	R226412	1.50	<0.005
		Pyrite 0.1%					
		traces					
246.00	247.50	Py00.1	246.00	247.50	R226413	1.50	0.081
		Pyrite 0.1%					
		traces					
247.50	249.00	Py00.1	247.50	249.00	R226414	1.50	0.012
		Pyrite 0.1%					
		traces					
248.00	250.50	Vn;2%;Qak;In;60°;;					
		vein (5 mm - 10 cm) 2% quartz-ankerite infilled fractures 60°					
		light grey spotty white quartz-ankerite					
249.00	250.50	Py00.1	249.00	250.50	R226415	1.50	0.131
		Pyrite 0.1%					
		traces					
250.50	252.00	Py00.1	250.50	252.00	R226416	1.50	0.01
		Pyrite 0.1%					
		traces					
252.00	253.50	Py00.1	252.00	253.50	R226417	1.50	0.014
		Pyrite 0.1%					
		traces					
253.50	255.00	Py00.1	253.50	255.00	R226418	1.50	0.015
		Pyrite 0.1%					
		traces					
255.00	256.50	Py00.1	255.00	256.50	R226419	1.50	0.005
		Pyrite 0.1%					
		traces					
256.50	258.00	Py00.1	256.50	258.00	R226420	1.50	0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
258.00	259.50	Py00.1	258.00	259.50	R226421	1.50	<0.005
		Pyrite 0.1%					
		traces					
259.00	268.00	Vn;3%;Qak Qca;In;60°;;					
		vein (5 mm - 10 cm) 3% quartz-ankerite quartz-calcite infilled fractures 60°					
		pinkish-white quartz-ankerite and quartz-calcite veins					
259.50	261.00	Py00.1	259.50	261.00	R226422	1.50	<0.005
		Pyrite 0.1%					
		traces					
261.00	262.50	Py00.1	261.00	262.50	R226423	1.50	0.011
		Pyrite 0.1%					
		traces					
262.50	264.00	Py00.1	262.50	264.00	R226424	1.50	0.044
		Pyrite 0.1%					
		traces					
264.00	265.50	Py00.1	264.00	265.50	R226427	1.50	<0.005
		Pyrite 0.1%					
		traces					
265.50	267.00	Py00.1	265.50	267.00	R226428	1.50	<0.005
		Pyrite 0.1%					
		traces					
267.00	268.50	Py00.1	267.00	268.50	R226429	1.50	0.005
		Pyrite 0.1%					
		traces					
268.50	270.00	Py00.1	268.50	270.00	R226430	1.50	<0.005
		Pyrite 0.1%					
		traces					
269.00	318.20	Ca02; Cl03; Ank01					
		Calcite 2; Chlorite 3; Ankerite 1					
		Pervasive weak calcite, intense pervasive chlorite, weak pervasive ankerite					
270.00	271.50	Py00.1	270.00	271.50	R226431	1.50	<0.005
		Pyrite 0.1%					
		traces					
271.50	273.00	Py00.1	271.50	273.00	R226432	1.50	<0.005
		Pyrite 0.1%					
		V					
273.00	274.50	Py00.1	273.00	274.50	R226433	1.50	0.009
		Pyrite 0.1%					
		traces					

Description			Assay				
			From	To	Sample number	Length	AuBest
274.50	276.00	Py00.1	274.50	276.00	R226434	1.50	<0.005
		Pyrite 0.1%					
		traces					
275.00	310.80	Fln					
		Foliation 60°					
		weak intermittant foliation					
275.00	283.00	Vn;2%;Qca;In;70°;;					
		vein (5 mm - 10 cm) 2% quartz-calcite infilled fractures 70°					
		pinkish quartz-calcite veins 90-70 or sub // Ca					
276.00	277.50	Py00.1	276.00	277.50	R226435	1.50	0.007
		Pyrite 0.1%					
		traces					
277.50	279.00	Py00.1	277.50	279.00	R226436	1.50	0.008
		Pyrite 0.1%					
		traces					
279.00	280.50	Py00.1	279.00	280.50	R226437	1.50	0.008
		Pyrite 0.1%					
		traces					
280.50	282.00	Py00.1	280.50	282.00	R226438	1.50	0.005
		Pyrite 0.1%					
		traces					
282.00	283.50	Py00.1	282.00	283.50	R226439	1.50	0.025
		Pyrite 0.1%					
		traces					
283.50	285.00	Py00.1	283.50	285.00	R226440	1.50	0.005
		Pyrite 0.1%					
		traces					
285.00	286.50	Py00.1	285.00	286.50	R226441	1.50	<0.005
		Pyrite 0.1%					
		traces					
286.50	288.00	Py00.1	286.50	288.00	R226442	1.50	<0.005
		Pyrite 0.1%					
		traces					
288.00	289.50	Py00.1	288.00	289.50	R226443	1.50	<0.005
		Pyrite 0.1%					
		traces					
289.50	291.00	Py00.1	289.50	291.00	R226444	1.50	<0.005
		Pyrite 0.1%					
		traces					
291.00	292.50	Py00.1	291.00	292.50	R226445	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 0.1%					
		traces					
292.50	294.00	Py00.1	292.50	294.00	R226446	1.50	<0.005
		Pyrite 0.1%					
		traces					
294.00	295.50	Py00.1	294.00	295.50	R226447	1.50	<0.005
		Pyrite 0.1%					
		traces					
295.50	297.00	Py00.1	295.50	297.00	R226448	1.50	<0.005
		Pyrite 0.1%					
		traces					
297.00	298.50	Py00.1	297.00	298.50	R226449	1.50	<0.005
		Pyrite 0.1%					
		traces					
298.50	300.00	Py00.1	298.50	300.00	R226452	1.50	<0.005
		Pyrite 0.1%					
		traces					
300.00	301.50	Py00.1	300.00	301.50	R226453	1.50	<0.005
		Pyrite 0.1%					
		traces					
301.50	303.00	Py00.1	301.50	303.00	R226454	1.50	<0.005
		Pyrite 0.1%					
		traces					
303.00	304.50	Py00.1	303.00	304.50	R226455	1.50	<0.005
		Pyrite 0.1%					
		traces					
304.50	306.00	Py00.1	304.50	306.00	R226456	1.50	<0.005
		Pyrite 0.1%					
		traces					
306.00	307.50	Py00.1	306.00	307.50	R226457	1.50	<0.005
		Pyrite 0.1%					
		traces					
307.50	309.00	Py00.1	307.50	309.00	R226458	1.50	<0.005
		Pyrite 0.1%					
		traces					
309.00	310.50	Py00.1	309.00	310.50	R226459	1.50	<0.005
		Pyrite 0.1%					
		traces					
310.50	312.00	Py00.1	310.50	312.00	R226460	1.50	<0.005
		Pyrite 0.1%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		traces					
310.80	310.85	Jt; Gg; Fln					
		Joint 40°; Fault gouge; Foliation					
		joint with greenish fault gouge, with weak foliation					
310.85	318.20	Fln					
		Foliation 40°					
		weak pervasive foliation					
312.00	313.50	Py00.1	312.00	313.50	R226461	1.50	<0.005
		Pyrite 0.1%					
		traces					
313.50	315.00	Py00.1	313.50	315.00	R226462	1.50	<0.005
		Pyrite 0.1%					
		traces					
315.00	316.50	Pytraces	315.00	316.50	R226463	1.50	<0.005
		Pyrite traces					
		traces					
316.50	318.20	Py00.1	316.50	318.20	R226464	1.70	<0.005
		Pyrite 0.1%					
		traces					
318.20		**End of DDH**					
		Number of samples: 184					
		Number of QAQC samples: 16					
		Total sampled length: 273.90					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_108

Drilled by:	Major	Claims title:		Section:	
Described by:	Mike Laliberty	Township:		Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	29/07/2014	Description date:	02/08/2014
		To:	01/08/2014		

Collar

Azimuth: 0.0°
Dip: -60.0°
Length: 300.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,139.646
North	0.0	0.000	5,331,796.637
Elevation	0.0	0.000	341.842

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-60.0°	No	
ReflexEZS	45.00	359.7°	-60.2°	No	Mag = 56510
ReflexEZS	105.00	2.1°	-60.1°	No	Mag = 55221
ReflexEZS	165.00	2.5°	-60.2°	No	Mag = 55997
ReflexEZS	225.00	2.8°	-60.4°	No	Mag = 55747
ReflexEZS	285.00	3.2°	-60.7°	No	Mag = 56100

Description

Core size: NQ Cemented: No Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	34.00	OVB **Overburden** 34m of casing.					
34.00	83.38	V4; FlBand **Trachyte; FLOWBANDED** Reddish-dark grey fine grained trachyte flow that becomes pinkish to brick red with most texture obliterated by a strong to intense pervasive potassic alteration. There is also a weak to locally strong pervasive ankeritic alteration, a strong fracture-controlled chloritic alteration and perhaps a localized fracture-controlled hematitic alteration which may be responsible for the brighter red colour around specular hematite veinlets and fracture fills. Intervals of brecciation, broken, blocky core and microfractures with mm scale offset are common. Weakly to moderately magnetic. <1% narrow (<1cm wide) ankerite/chlorite +/- qtz veining and fracture fill occasionally containing up to 1% cpy. The specular hematite is occasionally found in ankerite veining but more commonly occurs as fracture fills. Up hole where the potassic alteration is patchy, py is fine to coarse grained, euhedral and ranges from trace to 1%. At 46.87m the potassic alteration becomes pervasive to the end of the unit and contains 3-10% finely to very finely disseminated py. Cpy clusters can be seen in ankerite veinlets up hole (before 41m)	34.00	35.35	R220590	1.35	0.084
34.00	46.87	K02; Ank02; Cl03; He02 **Potassic 2; Ankerite 2; Chlorite 3; Hematite 2** Strong to intense patchy potassic alteration, weak to moderate pervasive ankeritic alteration, a strong fracture-controlled chloritic alteration and perhaps a localized fracture-controlled hematitic alteration which may be responsible for the brighter red colour around specular hematite veinlets and fracture fills.					
35.35	35.70	Bxh **Breccia healed** Hydrothermal brecciation with qtz/ankerite cement.					
35.35	38.30	Vn;3%;Qak;In;;Cp00.1; **vein (5 mm - 10 cm) 3% quartz-ankerite infilled fractures Chalcopyrite 0.1%** Qtz/ankerite veining/fracture fill with some with cpy clusters.	35.35	36.50	R220591	1.15	0.056
36.30	38.30	Cp00.1; Py00.5 **Chalcopyrite 0.1%; Pyrite 0.5%** Ankerite vein hosted cpy clusters. Coarse grained euhedral disseminated py.	36.50	38.00	R220592	1.50	0.038
			38.00	39.00	R220593	1.00	0.03
38.30	46.87	Py00.5 **Pyrite 0.5%** Fine to coarse grained euhedral pyrite disseminated and in clusters.	39.00	40.50	R220594	1.50	0.034
			40.50	42.00	R220595	1.50	0.131
			42.00	43.50	R220596	1.50	0.08
			43.50	45.00	R220597	1.50	0.076
			45.00	46.00	R220598	1.00	0.052
			46.00	46.87	R220599	0.87	0.41
38.30	38.60	Vn;3%;Ak;In;10°;Hem50; **vein (5 mm - 10 cm) 3% ankerite infilled fractures 10° SPECULARITE 50%** Specular hematite in ankerite fracture fill.					

Description			Assay				
			From	To	Sample number	Length	AuBest
46.87	83.38	K03; Ank02; Cl02; He02	46.87	48.00	R220602	1.13	0.551
		Potassic 3; Ankerite 2; Chlorite 2; Hematite 2					
		Strong to intense pervasive potassic alteration, weak to locally strong pervasive ankeritic alteration, a strong fracture-controlled chloritic alteration and perhaps a localized fracture-controlled hematitic alteration which may be responsible for the brighter red colour around specular hematite veinlets and fracture fills.					
46.87	48.00	Py10					
		Pyrite 10%					
		Finely to very finely disseminated py.					
48.00	49.00	Py07	48.00	49.00	R220603	1.00	0.59
		Pyrite 7%					
		Finely to very finely disseminated py.					
49.00	53.00	Py05	49.00	50.00	R220604	1.00	0.694
		Pyrite 5%	50.00	51.00	R220605	1.00	0.857
		Finely to very finely disseminated py.	51.00	52.50	R220606	1.50	0.343
			52.50	54.00	R220607	1.50	0.251
53.00	58.00	Py03	54.00	55.50	R220608	1.50	0.531
		Pyrite 3%	55.50	57.00	R220609	1.50	0.4
		Finely to very finely disseminated py.	57.00	58.50	R220610	1.50	0.466
58.00	63.50	Py05	58.50	60.00	R220611	1.50	0.339
		Pyrite 5%	60.00	61.50	R220612	1.50	0.223
		Finely to very finely disseminated py.	61.50	63.00	R220613	1.50	0.585
			63.00	64.50	R220614	1.50	0.366
63.50	64.50	Py07					
		Pyrite 7%					
		Finely to very finely disseminated py.					
64.50	66.00	Py10	64.50	66.00	R220615	1.50	0.138
		Pyrite 10%					
		Finely to very finely disseminated py.					
66.00	66.70	Py05	66.00	67.50	R220616	1.50	0.134
		Pyrite 5%					
		Finely to very finely disseminated py.					
66.70	67.70	Py03	67.50	69.00	R220617	1.50	0.175
		Pyrite 3%					
		Finely to very finely disseminated py.					
67.70	69.00	Py10					
		Pyrite 10%					
		Finely to very finely disseminated py.					

Description			Assay				
			From	To	Sample number	Length	AuBest
69.00	73.00	Py05 **Pyrite 5%** Finely to very finely disseminated py.	69.00	70.50	R220618	1.50	0.148
			70.50	72.00	R220619	1.50	0.106
			72.00	73.50	R220620	1.50	0.32
73.00	75.00	Py03 **Pyrite 3%** Finely to very finely disseminated py.	73.50	75.00	R220621	1.50	0.225
75.00	78.50	Py05 **Pyrite 5%** Finely to very finely disseminated py.	75.00	76.50	R220622	1.50	0.226
			76.50	78.00	R220623	1.50	0.23
			78.00	79.50	R220624	1.50	0.145
78.50	81.50	Py10 **Pyrite 10%** Finely to very finely disseminated py.	79.50	81.00	R220627	1.50	0.201
			81.00	82.50	R220628	1.50	0.332
81.50	82.00	Py05 **Pyrite 5%** Finely to very finely disseminated py.					
82.00	83.40	Py03 **Pyrite 3%** Finely to very finely disseminated py.	82.50	83.38	R220629	0.88	0.5
83.38	94.16	V4; Tuff; Fol **Trachyte 65°; TUFF; Foliated** Dark grey with reddish to pink patches, weakly to moderately foliated (at 45-55 dtca), fine grained trachyte tuff. Moderate patchy potassic alteration, weak to modera pervasive ankeritic alteration and a moderate to strong fracture and foliation-controlled chloritic alteration. There is also a strong localized sericitic alteration along the lower contact. Moderately magnetic. No veining. Trace to 0.5% py. Common brecciation from 92.57m that continues into the next unit.					
83.38	94.16	K02; Ank02; Cl02; Se02 **Potassic 2; Ankerite 2; Chlorite 2; Sericite 2** Moderate patchy potassic alteration, weak to modera pervasive ankeritic alteration, moderate to strong fracture and foliation-controlled chloritic alteration and a strong localized sericitic alteration at the lower contact.	83.38	85.00	R220630	1.62	0.044
84.50	85.50	Py02 **Pyrite 2%** Finely to very finely disseminated py.	85.00	86.00	R220631	1.00	0.161
			86.00	87.00	R220632	1.00	0.037
			87.00	88.50	R220633	1.50	0.02
			88.50	90.00	R220634	1.50	0.044
			90.00	91.50	R220635	1.50	0.018
			91.50	93.00	R220636	1.50	0.024
92.71	95.81	BX **Breccia 35°**					

Description			Assay				
			From	To	Sample number	Length	AuBest
		Brecciated interval (at 20/50 dtca) that crosses a lithological contact between a tuff and trachyte flow. Generally small (<1cm wide) sub-angular to angular clasts that remain in situ with chlorite as the major cement in the tuff unit and ankerite/chlorite as the cement in the flow.					
92.71	95.81	Bxh **Breccia healed 35°** Brecciated interval (at 20/50 dtca) that crosses a lithological contact between a tuff and trachyte flow. Generally small (<1cm wide) sub-angular to angular clasts that remain in situ with chlorite as the major cement in the tuff unit and ankerite/chlorite as the cement in the flow.	93.00	94.16	R220637	1.16	0.034
94.16	110.80	V4; Fol **Trachyte 45°; Foliated** Reddish-dark grey with bright yellow/orange intervals, fine grained, moderately foliated (at 40-70 dtca) trachyte flow. Top of unit is brecciated to 95.81m. Moderate to strong patchy potassic alteration, moderate to strong pervasive ankeritic alteration, moderate to strong fracture-controlled chloritic alteration and a bright yellow/orange fracture-controlled oxidation due to acidic meteoric(?) water. The bright orange intervals (limonite?) are less dense, can be vuggy and highly fractured/broken. Veining is weak and consists of ankerite fracture fill/breccia cement with occasional (<1%) qtz/ankerite/chlorite veins. There are also occasional specular hematite veinlets/stringers toward the lower contact. Sulphides consist of trace py and trace vein hosted chalcopyrite around 108m.					
94.16	110.80	K02; Ank02; Cl02; Ox03 **Potassic 2; Ankerite 2; Chlorite 2; Oxidation 3** Moderate to strong patchy potassic alteration, moderate to strong pervasive ankeritic alteration, moderate to strong fracture-controlled chloritic alteration and a bright yellow/orange fracture-controlled oxidation due to acidic meteoric(?) water. The bright orange (limonite?) intervals (95.7-98.5m, 99.8-100.2m, 103.13-104.8m and 106.44-107m) are less dense, can be vuggy and highly fractured/broken.	94.16	96.00	R220638	1.84	0.097
			96.00	97.50	R220639	1.50	0.086
94.16	96.20	Vn;5%;Ak;In;;Py00.1; **vein (5 mm - 10 cm) 5% ankerite infilled fractures Pyrite 0.1%** Creamy ankerite fracture fill.					
96.70	101.00	Bxh **Breccia healed** Several small brecciated intervals with chlorite cement.	97.50	99.00	R220640	1.50	0.034
			99.00	100.50	R220641	1.50	0.063
			100.50	102.00	R220642	1.50	0.045
			102.00	103.50	R220643	1.50	1.24
			103.50	105.00	R220644	1.50	0.295
104.00	104.70	FracZn **Fracture Zone** Broken blocky core and rubble...possible fault but no gouge. Intense bright orange oxidation.	105.00	106.50	R220645	1.50	0.161
			106.50	108.00	R220646	1.50	0.173
107.70	109.24	FracZn **Fracture Zone** Highly fractured zone with black chlorite fill and occasional minor qtz/ankerite with trace cpy associated with qt/ankerite.	108.00	109.50	R220647	1.50	0.026
			109.50	110.80	R220648	1.30	0.015

Description			Assay				
			From	To	Sample number	Length	AuBest
107.70	108.50	Cp00.1 **Chalcopyrite 0.1%** Trace cpy in ankerite vein.					
110.80	122.75	V4; PorFG **Trachyte 75°; PORPHYRITIC (FINE GROUNDMASS)** Light grey to reddish grey moderately to strongly foliated (at 5-50 dtca) 20-30% feldspar phenocrysts (lapilli?) in a fine grained groundmass. ~1% reddish altered/replaced randomly distributed phenocrysts. There is a strong bright orange/red oxidation from 114.08-117.36m. From 114.9-117.2m the oxidized rocks are vuggy, highly fractured/rubbley and may constitute a fault (however there is little to no gouge and slickensides are not well formed). At the top of the unit the foliation is at 45-50 dtca but around 117m the foliation becomes sub-parallel tca possibly indicating a fold hinge. Moderate to strong pervasive ankeritic alteration, moderate patchy potassica alteration, moderate to strong fracture and foliation-controlled chloritic alteration, strong to intense fracture-controlled oxidation, possible moderate to strong fracture-controlled hematitic alteration around specularite fracture fills and a weak to moderate foliation-controlled sericitic alteration that becomes more evident when foliation becomes sub-parallel. Weakly magnetic. 1-2% ankerite +/- qtz and/or chlorite veining. Specularite fracture fills/stringers are common but make up <1% of the unit. Trace py.					
110.80	122.75	Ank02; K02; Cl02; Ox03; He02; Se02 **Ankerite 2; Potassic 2; Chlorite 2; Oxidation 3; Hematite 2; Sericite 2** Moderate to strong pervasive ankeritic alteration, moderate patchy potassica alteration, moderate to strong fracture and foliation-controlled chloritic alteration, strong to intense fracture-controlled oxidation, possible moderate to strong fracture-controlled hematitic alteration around specularite fracture fills and a weak to moderate foliation-controlled sericitic alteration that becomes more evident when foliation becomes sub-parallel.	110.80	112.50	R220649	1.70	0.006
			112.50	114.00	R220652	1.50	0.039
			114.00	115.50	R220653	1.50	0.056
110.80	114.00	Vn;2%;Qac;Vn;50°;Py00.1; **vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite vein parallel to foliation 50° Pyrite 0.1%** 1-2% ankerite +/- qtz and/or chlorite veining.					
114.90	117.20	FAZ **Fault Zone 62°** These intensely oxidized rocks are vuggy, highly fractured/rubbley and may constitute a fault (however there is little to no gouge and slickensides are not well formed).	115.50	117.00	R220654	1.50	0.119
			117.00	118.50	R220655	1.50	0.04
117.20	125.30	FA **Fold axis 5°** At the top of the unit the foliation is at 45-50 dtca but around 117m the foliation becomes sub-parallel tca and returns to 45-50 after 125m. This could indicate a fold hinge.	118.50	120.00	R220656	1.50	0.075
			120.00	121.50	R220657	1.50	0.052
			121.50	123.00	R220658	1.50	0.033
122.75	135.00	V4; FlBand **Trachyte 60°; FLOWBANDED** Reddish-grey fine grained weakly to moderately foliated (5-45 dtca) trachyte flow with occasional orange patches. Moderate to strong pervasive ankeritic alteration, moderate to strong patchy potassic alteration, moderate to strong fracture and foliation-controlled chloritic alteration, weak foliation-controlled sericitic alteration, isolated strong fracture-controlled hematitic alteration, isolated strong fracture-controlled oxidation					

Description			Assay				
			From	To	Sample number	Length	AuBest
		that fizzes strongly with HCl and a weak intermittent vein-controlled silicic alteration. Weakly to non-magnetic. 1% narrow (<1cm) qtz/ankerite + minor chlorite veining. Overall 5-10% ankerite fracture-fill and flooding that becomes 20-30% toward the lower contact. <1% late specularite fracture fill. Trace py.					
122.75	135.00	Ank02; K03; Cl02; Se01; He02; Ox02; Si01 **Ankerite 2; Potassic 3; Chlorite 2; Sericite 1; Hematite 2; Oxidation 2; Silica 1** Moderate to strong pervasive ankeritic alteration, moderate to strong patchy potassic alteration, moderate to strong fracture and foliation-controlled chloritic alteration, weak foliation-controlled sericitic alteration, isolated strong fracture-controlled hematitic alteration, isolated strong fracture-controlled oxidation and a weak intermittent vein-controlled silicic alteration.	123.00	124.50	R220659	1.50	0.014
			124.50	126.00	R220660	1.50	0.006
			126.00	127.50	R220661	1.50	0.017
			127.50	129.00	R220662	1.50	0.007
			129.00	130.50	R220663	1.50	0.485
129.80	135.00	Vn;25%;Ak;In;;Py00.1; **vein (5 mm - 10 cm) 25% ankerite infilled fractures Pyrite 0.1%** 20-30% ankerite fracture-fill and flooding with trace py.	130.50	132.00	R220664	1.50	0.195
			132.00	133.50	R220665	1.50	0.238
			133.50	135.00	R220666	1.50	0.115
135.00	140.38	V4; PorFG **Trachyte 55°; PORPHYRITIC (FINE GROUNDMASS)** Light grey to reddish grey weakly to moderately foliated (at 5-50 dtca) 20-30% feldspar phenocrysts (lapilli?) in a fine grained groundmass. ~1% reddish altered/replaced randomly distributed phenocrysts. Strong pervasive ankeritic alteration, strong patchy potassic alteration, strong wispy foliation-controlled sericitic alteration, moderate fracture-controlled chloritic alteraiton and a very weak fracture-controlled orange oxidation. Strongly magnetic. 1% narrow (<1cm wide) qtz/chlorite +/- ankerite veining. Trace py.	135.00	136.50	R220667	1.50	0.016
			136.50	138.00	R220668	1.50	0.012
			138.00	139.50	R220669	1.50	0.028
			139.50	140.38	R220670	0.88	0.015
140.38	171.00	V4; FlBand; Fra **Trachyte 60°; FLOWBANDED; Fractured** Brick red to reddish-dark grey fine grained trachyte flow that is commonly broken, blocky (not healed) and fractured (healed by chlorite +/- ankerite and/or qtz). Strong pervasive ankeritic alteration, strong to intense patchy potassic alteration, moderate fracture-controlled chloritic alteration, weak late fracture-controlled hematitic alteration and a very weak orange fracture-controlled oxidation that fades out around 144.5m. Generally non-magnetic with intervals of weak to moderate magnetism. 1-2% narrow (<1cm wide) qtz/ankerite/chlorite veining and fracture/breccia fill. The unit is generally mineralized from 0.5-5% (5% centered at 152.5m and 163.8m) fine to coarse, sub to euhedral py with values changing drastically over just a few cms. The highest py values are associated with intense potassic alteration. There is also cpy mineralization from 148.5-160m associated with qtz/chlorite fracture fill of microfractures/brecciation.					
140.38	171.00	Ank03; Ank03; K03; Cl02; He01; Ox01 **Ankerite 3; Ankerite 3; Potassic 3; Chlorite 2; Hematite 1; Oxidation 1** Strong pervasive ankeritic alteration, strong to intense patchy potassic alteration, moderate fracture-controlled chloritic alteration, weak late fracture-controlled hematitic alteration and a very weak orange fracture-controlled oxidation that fades out around 144.5m.	140.38	142.00	R220671	1.62	0.036
141.40	148.50	Py02 **Pyrite 2%** This interval is generally mineralized from 0.5-5% fine to coarse, sub to euhedral py with values changing drastically over just a few cms. The highest py values are associated with intense potassic alteration.	142.00	143.00	R220672	1.00	0.093
			143.00	144.00	R220673	1.00	0.164

Description			Assay				
			From	To	Sample number	Length	AuBest
143.70	171.00	Bxh	144.00	145.50	R220674	1.50	0.177
		Breccia healed	145.50	147.00	R220677	1.50	0.145
		Short intervals of chlorite +/- ankerite and/or qtz healed breccia are common throughout this interval.	147.00	148.50	R220678	1.50	0.059
148.50	160.00	Py02; Cp00.1					
		Pyrite 2%; Chalcopyrite 0.1%					
		This interval is generally mineralized from 0.5-5% fine to coarse, sub to euhedral py with values changing drastically over just a few cms. The highest py values are associated with intense potassic alteration. There is also cpy clusters associated with qtz/chlorite fracture fill of microfractures/brecciation.					
148.50	160.00	Vn;2%;Qac;In;;Cp01;	148.50	150.00	R220679	1.50	0.069
		vein (5 mm - 10 cm) 2% quartz-ankerite-chlorite infilled fractures Chalcopyrite 1%	150.00	151.50	R220680	1.50	0.137
		Cpy mineralization associated with qtz/chlorite +/- ankerite fracture fill of microfractures/brecciation.	151.50	153.00	R220681	1.50	0.429
			153.00	154.50	R220682	1.50	0.149
			154.50	156.00	R220683	1.50	2.32
			156.00	157.50	R220684	1.50	1.4
			157.50	159.00	R220685	1.50	0.076
			159.00	160.50	R220686	1.50	0.174
			160.50	162.00	R220687	1.50	0.242
			162.00	163.50	R220688	1.50	1.11
			163.50	165.00	R220689	1.50	0.209
			165.00	166.50	R220690	1.50	0.124
			166.50	168.00	R220691	1.50	0.408
			168.00	169.50	R220692	1.50	0.111
			169.50	171.00	R220693	1.50	0.058
171.00	177.64	FAZ; Fra; Bx					
		Fault Zone 60°; Fractured; Brecciated					
		Brick red to dark grey trachyte hosted fault zone (possibly the Cadillac-Larder Break). 85cm wide (at 171.65-172.5m) and several 2cm wide gouge/clay intervals all at 60 dtca. Sections between the gouge intervals are broken/blocky, rubbley or healed breccia. Strong pervasive ankeritic alteration, strong patchy potassic alteration, moderate fracture-controlled chloritic alteration and an intense foliation-controlled sericitic alteration from 177.20-177.64m. Weakly to moderately magnetic. Minor (<1%) qtz/ankerite veining appears to be pre-faulting event. Trace py.					
171.00	177.64	Ank03; K03; Cl02; Se03					
		Ankerite 3; Potassic 3; Chlorite 2; Sericite 3					
		Strong pervasive ankeritic alteration, strong patchy potassic alteration, moderate fracture-controlled chloritic alteration and an intense foliation-controlled sericitic alteration from 177.20-177.64m.					
171.00	177.64	FAZ	171.00	172.50	R220694	1.50	0.044

Description			Assay				
			From	To	Sample number	Length	AuBest
		Fault Zone 60°	172.50	174.00	R220695	1.50	0.137
		Brick red to dark grey trachyte hosted fault zone (possibly the Cadillac-Larder Break). 85cm wide (at	174.00	175.50	R220696	1.50	0.011
		171.65-172.5m) and several 2cm wide gouge/clay intervals all at 60 dtca. Sections between the gouge	175.50	177.00	R220697	1.50	0.023
		intervals are broken/blocky, rubbley or healed breccia. Strong pervasive ankeritic alteration, strong	177.00	177.64	R220698	0.64	0.406
		patchy potassic alteration, moderate fracture-controlled chloritic alteration and an intense					
		foliation-controlled sericitic alteration from 177.20-177.64m. Weakly to moderately magnetic. Minor (<1%)					
		qtz/ankerite veining appears to be pre-faulting event. Trace py.					
177.64	297.00	V4; PyroTuff	177.64	179.00	R220699	1.36	0.025
		Trachyte 60°; PYROCLASTIC (TUFFACEOUS)	179.00	180.00	R220702	1.00	0.019
		Reddish-green/grey to beige-light green pyroclastic trachyte tuff with angular to subrounded pinkish pumice	180.00	181.50	R220703	1.50	0.01
		clasts. Short healed breccia intervals are common to around 185.3m. Common low angle (tca) slips/narrow	181.50	183.00	R220704	1.50	0.027
		faults many with gritty clay gouge (some with healed breccia margins) begin around 199m and continue to	183.00	184.50	R220705	1.50	<0.005
		EOH. There is a weak intermittent foliation at 5-50 dtca. Strong pervasive ankeritic alteration that becomes	184.50	186.00	R220706	1.50	0.005
		weak around 208-224m, weak to moderate patchy potassic alteration, moderate fracture-controlled chloritic	186.00	187.50	R220707	1.50	0.011
		alteration and a moderate sericitic alteration. There are several beige/light green carbonate (ankerite?)/sericite	187.50	189.00	R220708	1.50	0.094
		alteration intervals with one sharp contact (non-discriminatory between upper and lower) and the other contact	189.00	190.50	R220709	1.50	0.007
		is gradational. Original texture is still visible in these alterations. Generally non-magnetic with intermittent weak	190.50	192.00	R220710	1.50	0.234
		to moderate intervals. Minor (<1%) narrow (<1cm wide) qtz +/- chlorite veining appears to be clustered in or	192.00	193.50	R220711	1.50	<0.005
		around the carbonate/sericite alteration zones. Generally trace py.	193.50	195.00	R220712	1.50	0.005
			195.00	196.50	R220713	1.50	<0.005
			196.50	198.00	R220714	1.50	0.007
			198.00	199.50	R220715	1.50	<0.005
177.64	224.00	Ank01; K01; Cl02; Se02					
		Ankerite 1; Potassic 1; Chlorite 2; Sericite 2					
		Strong pervasive ankeritic alteration that becomes weak around 208-225m, weak to moderate patchy					
		potassic alteration, moderate fracture-controlled chloritic alteration and a moderate sericitic alteration.					
		There are several beige/light green carbonate (ankerite?)/sericite alteration intervals with one sharp					
		contact (non-discriminatory between upper and lower) and the other contact is gradational. Original					
		texture is still visible in these alterations.					
199.10	199.30	Gg	199.50	201.00	R220716	1.50	<0.005
		Fault gouge 10°	201.00	202.50	R220717	1.50	<0.005
		Narrow (5mm) chlorite slip with gritty fault gouge at 10 dtca.	202.50	204.00	R220718	1.50	<0.005
			204.00	205.50	R220719	1.50	<0.005
			205.50	207.00	R220720	1.50	<0.005
			207.00	208.50	R220721	1.50	<0.005
			208.50	210.00	R220722	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			210.00	211.50	R220723	1.50	<0.005
			211.50	213.00	R220724	1.50	<0.005
			213.00	214.50	R220727	1.50	<0.005
			214.50	216.00	R220728	1.50	<0.005
214.60	214.80	Gg	216.00	217.50	R220729	1.50	<0.005
		Fault gouge 15°					
		Narrow (5mm) chlorite slips with gritty fault gouge at 15 dtca.					
217.00	217.45	Gg	217.50	219.00	R220730	1.50	<0.005
		Fault gouge 5°	219.00	220.50	R220731	1.50	<0.005
		Narrow (5mm) chlorite slip with gritty fault gouge at 5 dtca.	220.50	222.00	R220732	1.50	<0.005
			222.00	223.50	R220733	1.50	<0.005
			223.50	225.00	R220734	1.50	<0.005
224.14	225.25	Gg	225.00	226.50	R220735	1.50	<0.005
		Fault gouge 5°	226.50	228.00	R220736	1.50	<0.005
		Narrow (5mm) chlorite slip with gritty fault gouge that meanders but basically runs along core axis for	228.00	229.50	R220737	1.50	<0.005
		over 1m.	229.50	231.00	R220738	1.50	<0.005
			231.00	232.50	R220739	1.50	<0.005
			232.50	234.00	R220740	1.50	<0.005
			234.00	235.50	R220741	1.50	<0.005
			235.50	237.00	R220742	1.50	<0.005
			237.00	238.50	R220743	1.50	<0.005
			238.50	240.00	R220744	1.50	<0.005
			240.00	241.50	R220745	1.50	0.005
			241.50	243.00	R220746	1.50	<0.005
			243.00	244.50	R220747	1.50	<0.005
243.80	245.30	Gg	244.50	246.00	R220748	1.50	<0.005
		Fault gouge 5°					
		Narrow (5mm) chlorite slip with gritty fault gouge that meanders but basically runs along core axis for					
		over 1.5m.					
246.00	246.85	Gg	246.00	247.50	R220749	1.50	0.006
		Fault gouge 10°					
		Narrow (5mm) chlorite slip with gritty fault gouge that meanders but basically runs along core axis for					
		almost 1m.					
247.35	249.10	Gg	247.50	249.00	R220752	1.50	0.007
		Fault gouge 10°	249.00	250.50	R220753	1.50	<0.005
		Narrow (5mm) chlorite slip with gritty fault gouge that meanders but basically runs along core axis for	250.50	252.00	R220754	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
		almost 2m.	252.00	253.50	R220755	1.50	0.005
252.95	253.50	Gg	253.50	255.00	R220756	1.50	<0.005
		Fault gouge 5°					
		Narrow (5mm) chlorite slip with gritty fault gouge that meanders but basically runs along core axis.					
254.45	255.10	Gg	255.00	256.50	R220757	1.50	<0.005
		Fault gouge 20°	256.50	258.00	R220758	1.50	0.014
		Narrow (5mm) chlorite slip with gritty fault gouge that meanders but basically runs along core axis at a low angle.					
256.92	256.93	Gg	258.00	259.50	R220759	1.50	0.011
		Fault gouge 50°	259.50	261.00	R220760	1.50	<0.005
		Narrow (5mm) chlorite slip with gritty fault gouge at 50 dtca.	261.00	262.50	R220761	1.50	0.019
			262.50	264.00	R220762	1.50	0.016
			264.00	265.50	R220763	1.50	0.013
			265.50	267.00	R220764	1.50	<0.005
			267.00	268.50	R220765	1.50	0.013
			268.50	270.00	R220766	1.50	0.024
			270.00	271.50	R220767	1.50	0.021
			271.50	273.00	R220768	1.50	0.039
			273.00	274.50	R220769	1.50	0.044
			274.50	276.00	R220770	1.50	0.048
			276.00	277.50	R220771	1.50	0.009
276.10	276.60	Gg					
		Fault gouge 10°					
		Narrow (5mm) chlorite slip with gritty fault gouge at 10 dtca.					
277.50	279.00	Py00.5	277.50	279.00	R220772	1.50	0.012
		Pyrite 0.5%	279.00	280.50	R220773	1.50	0.005
		Finely disseminated py.	280.50	282.00	R220774	1.50	0.009
			282.00	283.50	R220777	1.50	0.017
			283.50	285.00	R220778	1.50	0.006
			285.00	286.50	R220779	1.50	0.008
			286.50	288.00	R220780	1.50	0.007
			288.00	289.50	R220781	1.50	<0.005
			289.50	291.00	R220782	1.50	<0.005
			291.00	292.50	R220783	1.50	<0.005
			292.50	294.00	R220784	1.50	0.015
			294.00	295.50	R220785	1.50	0.006

Description	Assay				
	From	To	Sample number	Length	AuBest
	295.50	297.00	R220786	1.50	0.009
300.00	End of DDH Number of samples: 181 Number of QAQC samples: 26 Total sampled length: 263.00				

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_112

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: A Richardson

From: 20/07/2014
To: 29/07/2014

Description date: 25/07/2014

Collar

Azimuth: 360.0°
Dip: -60.0°
Length: 429.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,500.086
North	0.0	0.000	5,331,119.017
Elevation	0.0	0.000	341.436

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-55.0°	No	
ReflexEZS	72.00	2.9°	-61.0°	No	Mag = 56259
ReflexEZS	132.00	3.7°	-61.2°	No	Mag = 56781
ReflexEZS	192.00	5.1°	-60.9°	No	Mag = 57943
ReflexEZS	252.00	1.8°	-61.1°	Yes	Mag = 54017
ReflexEZS	312.00	1.7°	-60.6°	Yes	Mag = 56862
ReflexEZS	370.00	4.8°	-60.6°	No	Mag = 55349

Description

Core size: NQ
Cemented: Yes
Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	56.60	OVB						
		Overburden						
		casing/overburden						
56.60	64.51	4U; Bx						
		Ultramafic; Brecciated						
		Green, strongly brecciated ultramafic rocks. Strongly chloritized with local, patchy bright green alteration and very weak ankeritization. Unit contains fragments of a harder, pinkish trachytic rock and approximately 5% crosscutting quartz veins. Lower contact is spread over a zone of brecciation.						
56.60	64.51	Cl03; Ank01						
		Chlorite 3; Ankerite 1						
		Strongly chloritic, very weak patchy ankeritization and very weak local patches of a bright green mineral.						
56.60	64.51	Py00.5		56.60	58.00	Q070739	1.40	0.005
		Pyrite 0.5%		58.00	59.50	Q070740	1.50	0.007
		patchy fine grained disseminated and rarer coarse grained blebby pyrite.		59.50	61.00	Q070741	1.50	<0.005
				61.00	62.50	Q070742	1.50	0.01
				62.50	64.00	Q070743	1.50	0.01
				64.00	65.50	Q070744	1.50	0.023
64.51	121.01	V4; Cry						
		Trachyte; CRYSTALRICH						
		Pink, fine grained trachyte with 10% medium grained feldspar crystals. Weak patchy ankerite, weakly silicified. 10-15% crosscutting quartz veins. Unit is pyritic with up to 2% local fine to medium grained disseminated pyrite. Unit also crosscut by minor wispy hairline chloritic veinlets, <1%.						
64.51	121.01	Ank01; Si		65.50	67.00	Q070745	1.50	0.175
		Ankerite 1; Silica		67.00	68.50	Q070746	1.50	0.03
		Weak silica-ankerite alteration.		68.50	70.00	Q070747	1.50	0.025
64.51	70.00	Py02						
		Pyrite 2%						
		f-med gr disseminated						
70.00	73.00	Py03		70.00	71.50	Q070748	1.50	0.049
		Pyrite 3%		71.50	73.00	Q070749	1.50	0.05
		f-med gr dis						
73.00	76.00	Py02		73.00	74.50	Q070752	1.50	0.025
		Pyrite 2%		74.50	76.00	Q070753	1.50	0.031
		f-med gr dis						
76.00	77.50	Py01		76.00	77.50	Q070754	1.50	0.018
		Pyrite 1%						
		f-med gr dis						
77.50	79.00	Py02		77.50	79.00	Q070755	1.50	0.045

Description			Assay				
			From	To	Sample number	Length	AuBest
		Pyrite 2%					
		f-med gr dis					
79.00	82.00	Py03	79.00	80.50	Q070756	1.50	0.1
		Pyrite 3%	80.50	82.00	Q070757	1.50	0.047
		f-med gr dis					
81.90	83.90	DYKE	82.00	83.50	Q070758	1.50	<0.005
		Dyke 40°	83.50	85.00	Q070759	1.50	0.025
		Mafic dyke. Sharp upper and lower contacts, 40 and 30TCA respectively. Fine grained, weakly chloritic					
		with a crosscutting minor quartz vein.					
84.00	85.00	Py02					
		Pyrite 2%					
		fgr dis					
85.00	91.00	Py03	85.00	86.50	Q070760	1.50	0.022
		Pyrite 3%	86.50	88.00	Q070761	1.50	0.044
		f-med gr dis	88.00	89.50	Q070762	1.50	0.045
88.62	89.50	Vm;90%;Qtz;;;;	89.50	91.00	Q070763	1.50	0.075
		major vein (10 cm or greater) 90% white quartz					
		white quartz vein with <10% trachyte fragments.					
91.00	95.50	Py01	91.00	92.50	Q070764	1.50	0.039
		Pyrite 1%	92.50	94.00	Q070765	1.50	0.087
		fgr dis	94.00	95.50	Q070766	1.50	0.054
95.50	100.00	Py02	95.50	97.00	Q070767	1.50	0.219
		Pyrite 2%	97.00	98.50	Q070768	1.50	0.034
		f-cgr dis and blebby	98.50	100.00	Q070769	1.50	0.057
100.00	101.50	Py03	100.00	101.50	Q070770	1.50	0.048
		Pyrite 3%					
		f-med gr dis					
101.50	107.50	Py02	101.50	103.00	Q070771	1.50	0.039
		Pyrite 2%	103.00	104.50	Q070772	1.50	0.032
		f-cgr disseminated and blebby	104.50	106.00	Q070773	1.50	0.088
			106.00	107.50	Q070774	1.50	0.041
107.50	109.00	Py03	107.50	109.00	Q070777	1.50	0.016
		Pyrite 3%					
		f-med gr dis					
109.00	111.50	Py02	109.00	110.50	Q070778	1.50	0.022
		Pyrite 2%	110.50	112.00	Q070779	1.50	0.025
		f-med gr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
111.50	115.00	Py01	112.00	113.50	Q070780	1.50	0.041
		Pyrite 1%	113.50	115.00	Q070781	1.50	0.039
		fgr dis					
115.00	116.00	Py00.5	115.00	116.50	Q070782	1.50	0.085
		Pyrite 0.5%					
		fgr dis					
116.00	121.00	Py01	116.50	118.00	Q070783	1.50	0.088
		Pyrite 1%	118.00	119.50	Q070784	1.50	0.054
		f gr dis	119.50	121.00	Q070785	1.50	0.044
			121.00	122.50	Q070786	1.50	<0.005
121.01	130.02	ALZ	122.50	124.00	Q070787	1.50	0.012
		Altered Zone 60°					
		Bright green, fine grained, sharp upper and lower contacts though they are slightly brecciated. Soft, crosscut by few crenulated quartz veins, <3%. Alteration is most likely fuchite, a chromium rich mica as there is no reaction with HCL when the rock is powdered.					
121.01	123.70	Fu03					
		Fuchsite 3					
		Vibrant green, very fine grained to aphanitic. Soft, though harder than talc or gypsum. Non-magnetic. No reaction with KFC or HCL.					
124.00	125.50	Py00.5	124.00	125.50	Q070788	1.50	0.059
		Pyrite 0.5%	125.50	127.00	Q070789	1.50	<0.005
		fgr dis	127.00	128.50	Q070790	1.50	0.035
			128.50	130.00	Q070791	1.50	0.005
			130.00	131.50	Q070792	1.50	0.025
130.02	137.04	V4; Bx					
		Trachyte 90°; Brecciated					
		Reddish pink, fine grained, brecciated trachyte. Minor chlorite along fracture planes, weakly pyrite mineralization.					
130.02	137.04	Ank01	131.50	133.00	Q070793	1.50	0.038
		Ankerite 1	133.00	134.50	Q070794	1.50	0.072
		weak, pervasive	134.50	136.00	Q070795	1.50	0.142
			136.00	137.50	Q070796	1.50	0.007
137.04	151.10	ALZ					
		Altered Zone					
		Bright green, very fine grained, strongly altered fuchite rich rock. Sharp upper contact, sharp lower contact with alteration gradaually decreasing toward lower contact.					
137.04	151.10	Fu03	137.50	139.00	Q070797	1.50	<0.005
		Fuchsite 3					

Description				Assay				
				From	To	Sample number	Length	AuBest
			Bright green, strong	139.00	140.50	Q070798	1.50	<0.005
				140.50	142.00	Q070799	1.50	0.013
				142.00	143.50	Q070802	1.50	0.026
				143.50	145.00	Q070803	1.50	<0.005
				145.00	146.50	Q070804	1.50	0.005
				146.50	148.00	Q070805	1.50	0.021
				148.00	149.50	Q070806	1.50	0.007
				149.50	151.00	Q070807	1.50	<0.005
				151.00	152.50	Q070808	1.50	<0.005
151.10	167.56		V4					
			Trachyte					
			Grey to reddish grey, fine grained, weakly ankeritized, weakly magnetic, crosscut by small hairline quartz/ankerite +/- chlorite veinlets. Sharp upper contact 45TCA. Weak patchy potassic alteration. Small fault zone (cataclastite - approximately 40% gouge) at 162m. Unit contains two significant intervals of strongly chloritic altered ultramafic dykes.					
	151.10	169.54	Si01	152.50	154.00	Q070809	1.50	0.005
			Silica 1	154.00	155.50	Q070810	1.50	0.038
			weak	155.50	157.00	Q070811	1.50	0.087
				157.00	158.50	Q070812	1.50	0.129
				158.50	160.00	Q070813	1.50	0.033
				160.00	161.50	Q070814	1.50	0.037
	161.50	162.00	Py00.1	161.50	163.00	Q070815	1.50	0.008
			Pyrite 0.1%					
			f-med gr disseminated					
	162.00	167.50	Py01	163.00	164.50	Q070816	1.50	0.013
			Pyrite 1%	164.50	166.00	Q070817	1.50	0.024
			fgr dis	166.00	167.50	Q070818	1.50	0.033
				167.50	169.00	Q070819	1.50	0.005
167.56	200.00		4U					
			Ultramafic					
			Dark, strongly chloritic, weak isolated magnetism, talcose ultramafic rock. Unit contains small whitish, hard, weakly ankeritic fragments of trachyte (up to 30cm in width). Unit is well foliated, 55TCA.					
	169.00	169.59	Vm;;Qak;;;;	169.00	170.50	Q070820	1.50	<0.005
			major vein (10 cm or greater) quartz-ankerite					
			Quartz ankerite vein, 99% quartz % ankerite.					
	169.54	194.00	Cl02; Talc01					
			Chlorite 2; Talc 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		pervasive					
170.50	174.00	Py00.5	170.50	172.00	Q070821	1.50	0.02
		Pyrite 0.5%	172.00	173.50	Q070822	1.50	0.051
		f-med gr dis	173.50	175.00	Q070823	1.50	<0.005
			175.00	176.50	Q070824	1.50	<0.005
			176.50	178.00	Q070827	1.50	<0.005
			178.00	179.50	Q070828	1.50	<0.005
			179.50	181.00	Q070829	1.50	<0.005
			181.00	182.50	Q070830	1.50	<0.005
			182.50	184.00	Q070831	1.50	<0.005
184.00	185.50	Py00.5	184.00	185.50	Q070832	1.50	0.005
		Pyrite 0.5%	185.50	187.00	Q070833	1.50	<0.005
		fgr dis	187.00	188.50	Q070834	1.50	0.009
			188.50	190.00	Q070835	1.50	<0.005
			190.00	191.50	Q070836	1.50	0.005
			191.50	193.00	Q070837	1.50	0.014
			193.00	194.50	Q070838	1.50	0.017
194.00	210.33	Talc02	194.50	196.00	Q070839	1.50	0.138
		Talc 2	196.00	197.50	Q070840	1.50	<0.005
		pervasive	197.50	199.00	Q070841	1.50	<0.005
			199.00	200.50	Q070842	1.50	<0.005
			200.50	202.00	Q070843	1.50	<0.005
			202.00	203.50	Q070844	1.50	<0.005
			203.50	205.00	Q070845	1.50	<0.005
			205.00	206.50	Q070846	1.50	<0.005
			206.50	208.00	Q070847	1.50	<0.005
			208.00	209.50	Q070848	1.50	<0.005
			209.50	211.00	Q070849	1.50	<0.005
210.33	218.90	DYKE					
		Dyke 50°					
		Dark green, weakly to moderately chloritic, very weakly ankeritic, fine grained, amphibolite dyke. Sharp upper and lower contacts with thin chill glassy chill margins. Non-magnetic.					
210.33	218.90	Cl01	211.00	212.50	Q070852	1.50	<0.005
		Chlorite 1	212.50	214.00	Q070853	1.50	<0.005
		Pervasive chlorite	214.00	215.50	Q070854	1.50	<0.005

Description				Assay				
				From	To	Sample number	Length	AuBest
				215.50	217.00	Q070855	1.50	<0.005
				217.00	218.50	Q070856	1.50	<0.005
				218.50	220.00	Q070857	1.50	<0.005
218.90	266.13		4U					
			Ultramafic					
			Bluish dark, moderately talcose, very fine grained ultramafic rocks. Moderately magnetic. Texture resembles pillows though on a smaller scale than typical mafic volcanics, "pillows" are on a cm scale (5-10cm) and occur in zones with a corresponding increase in chlorite alteration (altered chill margins?) and some weak brecciation (subrounded to subangular fragments). Lower contact is sharp with 10cm of angular fragments of the lower trachytic unit, 45TCA.					
218.90	266.13		Talc02	220.00	221.50	Q070858	1.50	<0.005
			Talc 2	221.50	223.00	Q070859	1.50	<0.005
			moderate pervasive	223.00	224.50	Q070860	1.50	<0.005
				224.50	226.00	Q070861	1.50	<0.005
				226.00	227.50	Q070862	1.50	<0.005
				227.50	229.00	Q070863	1.50	<0.005
				229.00	230.50	Q070864	1.50	<0.005
				230.50	232.00	Q070865	1.50	<0.005
				232.00	233.50	Q070866	1.50	<0.005
				233.50	235.00	Q070867	1.50	<0.005
				235.00	236.50	Q070868	1.50	<0.005
				236.50	238.00	Q070869	1.50	<0.005
				238.00	239.50	Q070870	1.50	<0.005
				239.50	241.00	Q070871	1.50	<0.005
				241.00	242.50	Q070872	1.50	<0.005
				242.50	244.00	Q070873	1.50	<0.005
				244.00	245.50	Q070874	1.50	0.005
				245.50	247.00	Q070877	1.50	<0.005
				247.00	248.50	Q070878	1.50	<0.005
				248.50	250.00	Q070879	1.50	<0.005
				250.00	251.50	Q070880	1.50	<0.005
				251.50	253.00	Q070881	1.50	<0.005
				253.00	254.50	Q070882	1.50	<0.005
				254.50	256.00	Q070883	1.50	<0.005
				256.00	257.50	Q070884	1.50	<0.005

Description				Assay				
				From	To	Sample number	Length	AuBest
				257.50	259.00	Q070885	1.50	<0.005
				259.00	260.50	Q070886	1.50	<0.005
				260.50	262.00	Q070887	1.50	<0.005
				262.00	263.50	Q070888	1.50	<0.005
				263.50	265.00	Q070889	1.50	0.018
				265.00	266.50	Q070890	1.50	0.088
266.13	270.13	V4; Undie						
		Trachyte; UNDEFINED						
		Light pinkish, hard, fine grained trachyte. Pyrite mineralization, 1-2% fine grained disseminated pyrite. Sharp upper and lower contacts, 45TCA upper, sharp though brecciated lower. Very weakly ankeritized, weakly silicified.						
266.13	270.13	Ank01; Si01						
		Ankerite 1; Silica 1						
		pervasive						
266.13	270.13	Py02		266.50	268.00	Q070891	1.50	0.4
		Pyrite 2%		268.00	269.50	Q070892	1.50	0.141
		disseminated		269.50	271.00	Q070893	1.50	0.103
270.13	276.12	V4; PyroBx						
		Trachyte 45°; PYROCLASTIC (BRECCIA)						
		Dark green, very fine grained, moderately chloritic tuffaceous rock. Unit contains fragments of a light reddish grey, aphanitic, hard trachyte.						
270.13	276.12	Cl01		271.00	272.50	Q070894	1.50	0.036
		Chlorite 1		272.50	274.00	Q070895	1.50	0.009
		weak pervasive		274.00	275.50	Q070896	1.50	0.029
				275.50	277.00	Q070897	1.50	0.143
276.12	291.78	Fol; V4						
		Foliated; Trachyte						
		Light grey green, well foliated trachyte. Unit is tectonically deformed, rotated phenocrysts with pressure shadows (augen), mineral differentiation. Weakly ankeritized. Foliation 55TCA.						
276.12	429.00	Ank01		277.00	278.50	Q070898	1.50	0.104
		Ankerite 1		278.50	280.00	Q070899	1.50	0.034
		weak, pervasive		280.00	281.50	Q070902	1.50	0.064
				281.50	283.00	Q070903	1.50	0.028
				283.00	284.50	Q070904	1.50	0.033
				284.50	286.00	Q070905	1.50	0.046
				286.00	287.50	Q070906	1.50	0.276

Description			Assay				
			From	To	Sample number	Length	AuBest
			287.50	289.00	Q070907	1.50	0.116
			289.00	290.50	Q070908	1.50	0.067
			290.50	292.00	Q070909	1.50	0.046
276.12	291.78	Fln **Foliation 55°** well developed					
276.12	291.78	Py01 **Pyrite 1%** fine grained disseminated					
291.78	334.15	V4; Lithic **Trachyte; LITHIC** Fine grained grey, weakly ankerite altered, lithic trachyte. A dark chlorite is present along flow boundaries. Unit is primarily fine to very fine trachytitc volcanics with angular to subangular reddish to greyish fragments of aphanitic material. Fragments are mm to cm scale (few mm's to few cm's), potassic and ankeritic and comprise 10% or less of the unit volume. Upper contact is a cataclastite with no measurable angle. Unit is mineralized by up to 20% fine grained disseminated pyrite.	292.00	293.50	Q070910	1.50	0.162
			293.50	295.00	Q070911	1.50	0.158
			295.00	296.50	Q070912	1.50	0.203
291.78	296.50	Py01 **Pyrite 1%** fgr dis					
296.50	302.50	Py00.1 **Pyrite 0.1%** fgr dis	296.50	298.00	Q070913	1.50	0.12
			298.00	299.50	Q070914	1.50	0.084
			299.50	301.00	Q070915	1.50	0.161
			301.00	302.50	Q070916	1.50	0.208
302.50	304.00	Py00.5 **Pyrite 0.5%** fgr dis	302.50	304.00	Q070917	1.50	0.09
304.00	305.50	Py01 **Pyrite 1%** fgr dis	304.00	305.50	Q070918	1.50	0.196
305.50	311.50	Py02 **Pyrite 2%** fgr dis	305.50	307.00	Q070919	1.50	0.745
			307.00	308.50	Q070920	1.50	0.522
			308.50	310.00	Q070921	1.50	0.399
			310.00	311.50	Q070922	1.50	0.876
311.50	313.00	Py03 **Pyrite 3%** fgr dis	311.50	313.00	Q070923	1.50	0.697
313.00	314.50	Py05 **Pyrite 5%**	313.00	314.50	Q070924	1.50	0.495

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis					
314.50	317.50	Py03	314.50	316.00	Q070927	1.50	4.31
		Pyrite 3%	316.00	317.50	Q070928	1.50	2.73
		fgr dis					
317.50	320.50	Py01	317.50	319.00	Q070929	1.50	2.56
		Pyrite 1%	319.00	320.50	Q070930	1.50	2.73
		fgr dis					
320.50	323.50	Py02	320.50	322.00	Q070931	1.50	1.935
		Pyrite 2%	322.00	323.50	Q070932	1.50	1.79
		fgr dis					
323.50	329.50	Py03	323.50	325.00	Q070933	1.50	2.03
		Pyrite 3%	325.00	326.50	Q070934	1.50	4.27
		fgr dis	326.50	328.00	Q070935	1.50	2.11
			328.00	329.50	Q070936	1.50	0.471
329.50	331.00	Py02	329.50	331.00	Q070937	1.50	0.332
		Pyrite 2%					
		fgr dis					
331.00	332.50	Py03	331.00	332.50	Q070938	1.50	2.14
		Pyrite 3%					
		fgr dis					
332.50	334.00	Py07	332.50	334.00	Q070939	1.50	3.07
		Pyrite 7%					
		fgr dis					
334.00	335.50	Py02	334.00	335.50	Q070940	1.50	0.667
		Pyrite 2%					
		fgr dis					
334.15	429.00	V4; FlBand					
		Trachyte; FLOWBANDED					
		Grey, very fine grained, weakly pervasive ankerite, patchy weak potassic (in fragments) trachyte. Chlorite present along flow boundaries. Pyrite mineralization, up to 7% local though 1-2% disseminated more commonly. Contact brecciated and transitional.					
335.50	340.00	Py01	335.50	337.00	Q070941	1.50	0.177
		Pyrite 1%	337.00	338.50	Q070942	1.50	0.083
		fgr dis	338.50	340.00	Q070943	1.50	0.251
340.00	341.50	Py05	340.00	341.50	Q070944	1.50	1.185
		Pyrite 5%					
		fgr dis					
341.50	343.00	Py02	341.50	343.00	Q070945	1.50	0.478
		Pyrite 2%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis					
343.00	346.00	Py01	343.00	344.50	Q070946	1.50	0.125
		Pyrite 1%	344.50	346.00	Q070947	1.50	0.143
		fgr dis					
346.00	349.00	Py02	346.00	347.50	Q070948	1.50	0.075
		Pyrite 2%	347.50	349.00	Q070949	1.50	0.308
		fgr dis					
349.00	353.50	Py00.5	349.00	350.50	Q070952	1.50	0.464
		Pyrite 0.5%	350.50	352.00	Q070953	1.50	0.079
		fgr dis	352.00	353.50	Q070954	1.50	0.079
353.50	358.00	Py01	353.50	355.00	Q070955	1.50	0.864
		Pyrite 1%	355.00	356.50	Q070956	1.50	0.289
		fgr dis	356.50	358.00	Q070957	1.50	0.126
358.00	364.00	Py02	358.00	359.50	Q070958	1.50	0.203
		Pyrite 2%	359.50	361.00	Q070959	1.50	0.917
		fgr dis	361.00	362.50	Q070960	1.50	1.05
			362.50	364.00	Q070961	1.50	1.41
364.00	365.50	Py03	364.00	365.50	Q070962	1.50	2.43
		Pyrite 3%					
		fgr dis					
365.50	370.00	Py02	365.50	367.00	Q070963	1.50	3.83
		Pyrite 2%	367.00	368.50	Q070964	1.50	1.67
		fgr dis	368.50	370.00	Q070965	1.50	1.14
370.00	377.50	Py00.1	370.00	371.50	Q070966	1.50	0.039
		Pyrite 0.1%	371.50	373.00	Q070967	1.50	0.078
		fgr dis	373.00	374.50	Q070968	1.50	<0.005
			374.50	376.00	Q070969	1.50	0.015
			376.00	377.50	Q070970	1.50	0.028
377.50	383.50	Py02	377.50	379.00	Q070971	1.50	0.649
		Pyrite 2%	379.00	380.50	Q070972	1.50	0.724
		fgr dis	380.50	382.00	Q070973	1.50	0.675
			382.00	383.50	Q070974	1.50	0.236
383.50	385.00	Py01	383.50	385.00	Q070977	1.50	0.075
		Pyrite 1%					
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
385.00	386.50	Py02 **Pyrite 2%** fgr dis	385.00	386.50	Q070978	1.50	0.161
386.50	392.50	Py01 **Pyrite 1%** fgr dis	386.50	388.00	Q070979	1.50	0.204
			388.00	389.50	Q070980	1.50	0.097
			389.50	391.00	Q070981	1.50	0.085
			391.00	392.50	Q070982	1.50	0.075
392.50	397.00	Py00.1 **Pyrite 0.1%** fgr dis	392.50	394.00	Q070983	1.50	0.171
			394.00	395.50	Q070984	1.50	0.064
			395.50	397.00	Q070985	1.50	0.031
397.00	398.50	Py03 **Pyrite 3%** fgr dis	397.00	398.50	Q070986	1.50	1.425
398.50	400.00	Py02 **Pyrite 2%** fgr dis	398.50	400.00	Q070987	1.50	0.217
			400.00	401.50	Q070988	1.50	0.062
			401.50	403.00	Q070989	1.50	0.371
			403.00	404.50	Q070990	1.50	0.228
			404.50	406.00	Q070991	1.50	0.043
			406.00	407.50	Q070992	1.50	0.094
			407.50	409.00	Q070993	1.50	0.009
			409.00	410.50	Q070994	1.50	0.005
			410.50	412.00	Q070995	1.50	0.005
			412.00	413.50	Q070996	1.50	<0.005
			413.50	415.00	Q070997	1.50	0.012
			415.00	416.50	Q070998	1.50	0.011
			416.50	418.00	Q070999	1.50	0.026
			418.00	419.50	Q071002	1.50	0.098
			419.50	421.00	Q071003	1.50	0.035
			421.00	422.50	Q071004	1.50	0.012
			422.50	424.00	Q071005	1.50	0.017
			424.00	425.50	Q071006	1.50	0.062
			425.50	427.00	Q071007	1.50	0.013
			427.00	429.00	Q071008	2.00	<0.005

429.00	End of DDH
	Number of samples: 248
	Number of QAQC samples: 29
	Total sampled length: 372.40

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_113

Claims title:
Township:
Range:
Lot:

Section:
Level:
Work place: Upper Canada

Drilled by: Major
Described by: A Richardson

From: 01/08/2014
To: 05/08/2014

Description date:

Collar

Azimuth: 360.0°
Dip: -67.0°
Length: 471.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,806.237
North	0.0	0.000	5,331,110.200
Elevation	0.0	0.000	344.090

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-67.0°	No	
ReflexEZS	57.00	1.5°	-67.2°	No	Mag = 56116
ReflexEZS	117.00	2.5°	-66.7°	No	Mag = 56660
ReflexEZS	177.00	1.1°	-67.0°	No	Mag = 55632
ReflexEZS	237.00	2.6°	-67.1°	No	Mag = 55822
ReflexEZS	297.00	5.5°	-67.2°	No	Mag = 55048
ReflexEZS	357.00	5.7°	-67.2°	No	Mag = 55456
ReflexEZS	417.00	5.8°	-67.3°	No	Mag = 55568
ReflexEZS	471.00	2.0°	-66.0°	No	Mag = 57231

Description

Core size: NQ
Cemented: Yes
Stored: No

Description				Assay				
				From	To	Sample number	Length	AuBest
0.00	39.56	OVB						
		Overburden						
		casing						
39.56	112.52	V4; Por		39.56	41.00	Q071009	1.44	0.023
		Trachyte; Porphyritic		41.00	42.50	Q071010	1.50	0.061
		Light pink, fine grained, porphyritic trachyte. 5-7% coarse grained equant white feldspar pophyroblasts with		42.50	44.00	Q071011	1.50	0.005
		fuzzy edges. Mineralization is disseminated fine to euhedral pyrite, up to 7% locally, rare blebby chalcopyrite		44.00	45.50	Q071012	1.50	<0.005
		up to 1% local. Unit has two intervals of quartz vein breccia. Unit has very weak, patchy ankerite alteration.		45.50	47.00	Q071013	1.50	0.024
		Lower contact sharp with minor brecciation, approximately 40TCA.		47.00	48.50	Q071014	1.50	0.014
				48.50	50.00	Q071015	1.50	0.048
				50.00	51.50	Q071016	1.50	0.011
				51.50	53.00	Q071017	1.50	0.027
				53.00	54.50	Q071018	1.50	0.012
				54.50	56.00	Q071019	1.50	0.011
55.70	55.75	Fu01		56.00	57.50	Q071020	1.50	0.026
		Fuchsite 1		57.50	59.00	Q071021	1.50	0.02
		Along boundary of a quartz vein		59.00	60.50	Q071022	1.50	0.043
				60.50	62.00	Q071023	1.50	0.039
				62.00	63.50	Q071024	1.50	0.052
				63.50	65.00	Q071027	1.50	0.027
				65.00	66.50	Q071028	1.50	0.012
				66.50	68.00	Q071029	1.50	<0.005
				68.00	69.50	Q071030	1.50	0.029
				69.50	71.00	Q071031	1.50	0.007
				71.00	72.50	Q071032	1.50	<0.005
				72.50	74.00	Q071033	1.50	0.007
73.85	75.50	Py01		74.00	75.50	Q071034	1.50	0.005
		Pyrite 1%						
		fine grained disseminated						
75.50	83.00	Py02		75.50	77.00	Q071035	1.50	0.01
		Pyrite 2%		77.00	78.50	Q071036	1.50	0.016
		fgr dis with rarer cgr euhedral		78.50	80.00	Q071037	1.50	0.038
				80.00	81.50	Q071038	1.50	0.01
				81.50	83.00	Q071039	1.50	0.01

Description			Assay				
			From	To	Sample number	Length	AuBest
83.00	84.50	Py01 **Pyrite 1%** fgr dis	83.00	84.50	Q071040	1.50	0.009
84.50	90.50	Py02 **Pyrite 2%** fine to coarse grained disseminated.	84.50	86.00	Q071041	1.50	0.008
			86.00	87.50	Q071042	1.50	0.082
			87.50	89.00	Q071043	1.50	0.018
			89.00	90.50	Q071044	1.50	0.014
90.50	98.00	Py01 **Pyrite 1%** fgr dis	90.50	92.00	Q071045	1.50	0.021
			92.00	93.50	Q071046	1.50	0.02
			93.50	95.00	Q071047	1.50	0.013
			95.00	96.50	Q071048	1.50	0.006
			96.50	98.00	Q071049	1.50	0.006
98.00	99.50	Py03 **Pyrite 3%** fgr dis and cgr blebby to sub-euhedral	98.00	99.50	Q071052	1.50	0.033
99.50	101.00	Py02 **Pyrite 2%** fgr dis	99.50	101.00	Q071053	1.50	0.005
101.00	102.85	MI **Mafic Intrusion 90°** Dark green, very fine grained, moderately chloritic mafic dyke. Sharp upper and lower contacts, nearly 90TCA. Thin chill margin at lower contact.					
101.00	102.85	Cl02 **Chlorite 2** moderate, in mafic dyke	101.00	102.50	Q071054	1.50	<0.005
			102.50	104.00	Q071055	1.50	<0.005
			104.00	105.50	Q071056	1.50	<0.005
			105.50	107.00	Q071057	1.50	0.006
			107.00	108.50	Q071058	1.50	0.013
108.50	110.00	Py01 **Pyrite 1%** fgr dis	108.50	110.00	Q071059	1.50	0.018
			110.00	111.50	Q071060	1.50	0.01
			111.50	113.00	Q071061	1.50	0.019
112.52	172.47	4U; Bx **Ultramafic; Brecciated** Dark, very fine grained, moderately talcose brecciated and fragmented ultramafic rock. Moderatly magnetic. Fragments are mostly rounded to subangular and occur mainly in zones consistent with flow boundaries. Upper portion of unit contains rare large (up to 30cm) inclusions of trachyte (pink, hard, aphanitic) as xenoliths. Unit is locally sheared and faulted with some gouge development. Lower contact 70TCA and sharp.					

Description			Assay				
			From	To	Sample number	Length	AuBest
112.52	172.47	Talc02 **Talc 2** pervasive	113.00	114.50	Q071062	1.50	0.014
			114.50	116.00	Q071063	1.50	0.014
			116.00	117.50	Q071064	1.50	0.01
			117.50	119.00	Q071065	1.50	<0.005
			119.00	120.50	Q071066	1.50	<0.005
			120.50	122.00	Q071067	1.50	0.022
			122.00	123.50	Q071068	1.50	<0.005
			123.50	125.00	Q071069	1.50	<0.005
			125.00	126.50	Q071070	1.50	<0.005
			126.50	128.00	Q071071	1.50	0.005
			128.00	129.50	Q071072	1.50	0.065
			129.50	131.00	Q071073	1.50	<0.005
			131.00	132.50	Q071074	1.50	0.005
			132.50	134.00	Q071077	1.50	0.013
			134.00	135.50	Q071078	1.50	0.031
135.50	138.50	Py00.5 **Pyrite 0.5%** fgr dis	135.50	137.00	Q071079	1.50	0.015
			137.00	138.50	Q071080	1.50	0.009
			138.50	140.00	Q071081	1.50	0.007
			140.00	141.50	Q071082	1.50	<0.005
			141.50	143.00	Q071083	1.50	<0.005
			143.00	144.50	Q071084	1.50	<0.005
			144.50	146.00	Q071085	1.50	<0.005
			146.00	147.50	Q071086	1.50	<0.005
			147.50	149.00	Q071087	1.50	<0.005
			149.00	150.50	Q071088	1.50	<0.005
			150.50	152.00	Q071089	1.50	0.008
			152.00	153.50	Q071090	1.50	<0.005
			153.50	155.00	Q071091	1.50	<0.005
			155.00	156.50	Q071092	1.50	<0.005
			156.50	158.00	Q071093	1.50	<0.005
			158.00	159.50	Q071094	1.50	<0.005
			159.50	161.00	Q071095	1.50	<0.005
			161.00	162.50	Q071096	1.50	<0.005
			162.50	164.00	Q071097	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			164.00	165.50	Q071098	1.50	<0.005
			165.50	167.00	Q071099	1.50	<0.005
			167.00	168.50	Q071102	1.50	<0.005
			168.50	170.00	Q071103	1.50	<0.005
			170.00	171.50	Q071104	1.50	<0.005
			171.50	173.00	Q071105	1.50	0.085
172.47	234.88	V4; FlBand **Trachyte; FLOWBANDED** Greyish, very fine grained, flowbanded, non magnetic trachyte. Weak pervasive ankerite alteration. Local chloritic dark glassy chilled flow margins. Unit crosscut by few hairline quartz-ankerite veins. Transitional lower contact.					
172.47	234.88	Ank01 **Ankerite 1** pervasive	173.00	174.50	Q071106	1.50	0.14
174.50	176.00	Py01 **Pyrite 1%** fgr dis	174.50	176.00	Q071107	1.50	0.188
176.00	177.50	Cp00.1 **Chalcopyrite 0.1%** cgr blebby	176.00 177.50	177.50 179.00	Q071108 Q071109	1.50 1.50	0.158 0.132
178.44	179.44	FTH; Aph **Flow Top/Hyaloclastite; APHANITIC** Dark, strongly chloritic devitrified glassy flow top.	179.00 180.50 182.00	180.50 182.00 183.50	Q071110 Q071111 Q071112	1.50 1.50 1.50	0.212 0.347 0.195
183.50	185.00	Py05 **Pyrite 5%** f-med gr dis	183.50	185.00	Q071113	1.50	0.339
185.00	191.00	Py03 **Pyrite 3%** fgr dis	185.00 186.50 188.00 189.50	186.50 188.00 189.50 191.00	Q071114 Q071115 Q071116 Q071117	1.50 1.50 1.50 1.50	0.296 0.159 0.087 0.097
191.00	197.00	Py01 **Pyrite 1%** fgr dis	191.00 192.50 194.00 195.50	192.50 194.00 195.50 197.00	Q071118 Q071119 Q071120 Q071121	1.50 1.50 1.50 1.50	0.157 0.233 0.103 0.088
197.00	201.50	Py02 **Pyrite 2%** fgr dis	197.00 198.50	198.50 200.00	Q071122 Q071123	1.50 1.50	0.102 0.088

Description			Assay				
			From	To	Sample number	Length	AuBest
			200.00	201.50	Q071124	1.50	0.117
201.50	206.00	Py03	201.50	203.00	Q071127	1.50	0.095
		Pyrite 3%	203.00	204.50	Q071128	1.50	0.073
		fgr dis	204.50	206.00	Q071129	1.50	0.075
206.00	207.50	Py02	206.00	207.50	Q071130	1.50	0.086
		Pyrite 2%					
		fgr dis					
207.50	215.00	Py01	207.50	209.00	Q071131	1.50	0.052
		Pyrite 1%	209.00	210.50	Q071132	1.50	0.057
		fgr dis	210.50	212.00	Q071133	1.50	0.14
			212.00	213.50	Q071134	1.50	0.138
			213.50	215.00	Q071135	1.50	0.112
215.00	218.00	Py02	215.00	216.50	Q071136	1.50	0.16
		Pyrite 2%	216.50	218.00	Q071137	1.50	0.254
		fgr dis					
218.00	221.00	Py02	218.00	219.50	Q071138	1.50	0.222
		Pyrite 2%	219.50	221.00	Q071139	1.50	0.353
		fgr dis					
221.00	228.50	Py03	221.00	222.50	Q071140	1.50	0.328
		Pyrite 3%	222.50	224.00	Q071141	1.50	0.206
		f-med gr dis	224.00	225.50	Q071142	1.50	0.269
			225.50	227.00	Q071143	1.50	0.228
			227.00	228.50	Q071144	1.50	0.218
228.50	233.00	Py01	228.50	230.00	Q071145	1.50	0.117
		Pyrite 1%	230.00	231.50	Q071146	1.50	0.132
		fgr dis	231.50	233.00	Q071147	1.50	0.743
233.00	237.50	Py02	233.00	234.50	Q071148	1.50	0.639
		Pyrite 2%	234.50	236.00	Q071149	1.50	0.39
		fgr dis					
234.88	276.90	V4; Per					
		Trachyte; PERLITIC					
		Reddish, very fine grained, weakly potassic and ankeritic. Perlitic trachyte unit. Unit is fractured on a fine scale (concoidal perlitic texture) with quartz-ankerite hairline veinlets. Weak chlorite along fracture boundaries forming a wispy pattern. Patchy fine grained disseminated pyrite, up to 1% local, and trace patchy blebby chalcopyrite. Locally flow banded. Sharp lower contact, 30TCA.					
234.88	276.90	Ank01; K01	236.00	237.50	Q071152	1.50	0.293
		Ankerite 1; Potassic 1					

Description			Assay				
			From	To	Sample number	Length	AuBest
		weak pervasive					
237.50	239.00	Py01	237.50	239.00	Q071153	1.50	0.171
		Pyrite 1%					
		fgr dis					
239.00	240.50	Py01; Cp00.1	239.00	240.50	Q071154	1.50	0.314
		Pyrite 1%; Chalcopyrite 0.1%					
		fgr dis py, trace blebby med gr cpy					
240.50	242.00	Py01	240.50	242.00	Q071155	1.50	0.211
		Pyrite 1%					
		fgr dis					
242.00	243.50	Py02	242.00	243.50	Q071156	1.50	0.378
		Pyrite 2%					
		fgr dis					
243.50	244.50	Py01; Cp00.1	243.50	245.00	Q071157	1.50	0.104
		Pyrite 1%; Chalcopyrite 0.1%					
		fgr dis py, med gr blebby cpy					
244.50	251.00	Py01	245.00	246.50	Q071158	1.50	0.053
		Pyrite 1%	246.50	248.00	Q071159	1.50	0.184
		fgr dis	248.00	249.50	Q071160	1.50	0.109
			249.50	251.00	Q071161	1.50	0.089
251.00	261.50	Py02	251.00	252.50	Q071162	1.50	0.12
		Pyrite 2%	252.50	254.00	Q071163	1.50	0.448
		fgr dis	254.00	255.50	Q071164	1.50	0.175
			255.50	257.00	Q071165	1.50	0.245
			257.00	258.50	Q071166	1.50	0.25
			258.50	260.00	Q071167	1.50	0.196
			260.00	261.50	Q071168	1.50	0.086
261.50	264.50	Py00.5	261.50	263.00	Q071169	1.50	0.062
		Pyrite 0.5%	263.00	264.50	Q071170	1.50	0.085
		fgr dis					
264.16	264.60	FTH					
		Flow Top/Hyaloclastite					
		Dark, strongly chloritic aphanitic chilled flow margin.					
264.50	266.00	Py00.5; Cp00.1	264.50	266.00	Q071171	1.50	0.063
		Pyrite 0.5%; Chalcopyrite 0.1%					
		fgr dis py, trace fgr blebby cpy					
266.00	280.00	Py01	266.00	267.50	Q071172	1.50	0.084
		Pyrite 1%	267.50	269.00	Q071173	1.50	0.065

Description			Assay				
			From	To	Sample number	Length	AuBest
		fgr dis	269.00	270.50	Q071174	1.50	0.117
			270.50	272.00	Q071177	1.50	0.055
			272.00	273.50	Q071178	1.50	0.107
			273.50	275.00	Q071179	1.50	0.281
			275.00	276.50	Q071180	1.50	0.132
			276.50	278.50	Q071181	2.00	0.074
276.90	471.00	V4; Fol	278.50	280.00	Q071182	1.50	0.152
		Trachyte; Foliated					
		Trachytic volcanics, well foliated - deformed basement volcanic package, a tuffaceous unit. Local S-C fabric, weakly to moderate pervasive magnetism. Light to darker grey, weakly ankerite and chlorite alteration. Foliation ranges from 25 to 55TCA. Few crosscutting calcite hairline stringers (<1%).					
276.90	455.00	Ank01; Cl01					
		Ankerite 1; Chlorite 1					
		Weak, pervasive ankerite, weak patchy chlorite.					
280.00	281.50	Py01; Cp00.1	280.00	281.50	Q071183	1.50	0.184
		Pyrite 1%; Chalcopyrite 0.1%					
		fgr dis py, fgr bleb cpy					
281.50	283.00	Py01	281.50	283.00	Q071184	1.50	0.114
		Pyrite 1%	283.00	284.50	Q071185	1.50	0.015
		fgr dis	284.50	286.00	Q071186	1.50	0.031
			286.00	287.50	Q071187	1.50	0.006
286.60	289.00	Vm;50%;Ak;;;;	287.50	289.00	Q071188	1.50	<0.005
		major vein (10 cm or greater) 50% ankerite	289.00	290.50	Q071189	1.50	<0.005
		vein also contains 10% potassium feldspar.	290.50	292.00	Q071190	1.50	0.008
			292.00	293.50	Q071191	1.50	0.243
			293.50	295.00	Q071192	1.50	0.345
			295.00	296.50	Q071193	1.50	0.082
			296.50	298.00	Q071194	1.50	<0.005
			298.00	299.50	Q071195	1.50	0.194
			299.50	301.00	Q071196	1.50	<0.005
			301.00	302.50	Q071197	1.50	<0.005
			302.50	304.00	Q071198	1.50	<0.005
			304.00	305.50	Q071199	1.50	0.011
			305.50	307.00	Q071202	1.50	0.054
			307.00	308.50	Q071203	1.50	0.046
			308.50	310.00	Q071204	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	310.00	311.50	Q071205	1.50	<0.005
	311.50	313.00	Q071206	1.50	0.017
	313.00	314.50	Q071207	1.50	0.02
	314.50	316.00	Q071208	1.50	0.007
	316.00	317.50	Q071209	1.50	0.024
	317.50	319.00	Q071210	1.50	0.122
	319.00	320.50	Q071211	1.50	<0.005
	320.50	322.00	Q071212	1.50	<0.005
	322.00	323.50	Q071213	1.50	<0.005
	323.50	325.00	Q071214	1.50	<0.005
	325.00	326.50	Q071215	1.50	<0.005
	326.50	328.00	Q071216	1.50	0.007
	328.00	329.50	Q071217	1.50	<0.005
	329.50	331.00	Q071218	1.50	<0.005
	331.00	332.50	Q071219	1.50	<0.005
	332.50	334.00	Q071220	1.50	0.012
	334.00	335.50	Q071221	1.50	0.005
	335.50	337.00	Q071222	1.50	<0.005
	337.00	338.50	Q071223	1.50	<0.005
	338.50	340.00	Q071224	1.50	0.005
	340.00	341.50	Q071227	1.50	0.005
	341.50	343.00	Q071228	1.50	0.059
	343.00	344.50	Q071229	1.50	0.094
	344.50	346.00	Q071230	1.50	0.012
	346.00	347.50	Q071231	1.50	<0.005
	347.50	349.00	Q071232	1.50	0.069
	349.00	350.50	Q071233	1.50	<0.005
	350.50	352.00	Q071234	1.50	<0.005
	352.00	353.50	Q071235	1.50	<0.005
	353.50	355.00	Q071236	1.50	<0.005
	355.00	356.50	Q071237	1.50	<0.005
	356.50	358.00	Q071238	1.50	<0.005
	358.00	359.50	Q071239	1.50	<0.005
	359.50	361.00	Q071240	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	361.00	362.50	Q071241	1.50	<0.005
	362.50	364.00	Q071242	1.50	<0.005
	364.00	365.50	Q071243	1.50	<0.005
	365.50	367.00	Q071244	1.50	<0.005
	367.00	368.50	Q071245	1.50	<0.005
	368.50	370.00	Q071246	1.50	<0.005
	370.00	371.50	Q071247	1.50	0.008
	371.50	373.00	Q071248	1.50	<0.005
	373.00	374.50	Q071249	1.50	<0.005
	374.50	376.00	Q071252	1.50	<0.005
	376.00	377.50	Q071253	1.50	<0.005
	377.50	379.00	Q071254	1.50	<0.005
	379.00	380.50	Q071255	1.50	<0.005
	380.50	382.00	Q071256	1.50	<0.005
	382.00	383.50	Q071257	1.50	<0.005
	383.50	385.00	Q071258	1.50	<0.005
	385.00	386.50	Q071259	1.50	<0.005
	386.50	388.00	Q071260	1.50	<0.005
	388.00	389.50	Q071261	1.50	<0.005
	389.50	391.00	Q071262	1.50	<0.005
	391.00	392.50	Q071263	1.50	<0.005
	392.50	394.00	Q071264	1.50	<0.005
	394.00	395.50	Q071265	1.50	<0.005
	395.50	397.00	Q071266	1.50	<0.005
	397.00	398.50	Q071267	1.50	<0.005
	398.50	400.00	Q071268	1.50	0.01
	400.00	401.50	Q071269	1.50	<0.005
	401.50	403.00	Q071270	1.50	<0.005
	403.00	404.50	Q071271	1.50	0.006
	404.50	406.00	Q071272	1.50	<0.005
	406.00	407.50	Q071273	1.50	<0.005
	407.50	409.00	Q071274	1.50	<0.005
	409.00	410.50	Q071277	1.50	<0.005
	410.50	412.00	Q071278	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	412.00	413.50	Q071279	1.50	<0.005
	413.50	415.00	Q071280	1.50	<0.005
	415.00	416.50	Q071281	1.50	<0.005
	416.50	418.00	Q071282	1.50	<0.005
	418.00	419.50	Q071283	1.50	<0.005
	419.50	421.00	Q071284	1.50	<0.005
	421.00	422.50	Q071285	1.50	<0.005
	422.50	424.00	Q071286	1.50	<0.005
	424.00	425.50	Q071287	1.50	<0.005
	425.50	427.00	Q071288	1.50	<0.005
	427.00	428.50	Q071289	1.50	<0.005
	428.50	430.00	Q071290	1.50	0.005
	430.00	431.50	Q071291	1.50	0.008
	431.50	433.00	Q071292	1.50	<0.005
	433.00	434.50	Q071293	1.50	<0.005
	434.50	436.00	Q071294	1.50	<0.005
	436.00	437.50	Q071295	1.50	<0.005
	437.50	439.00	Q071296	1.50	0.014
	439.00	440.50	Q071297	1.50	<0.005
	440.50	442.00	Q071298	1.50	<0.005
	442.00	443.50	Q071299	1.50	<0.005
	443.50	445.00	Q071302	1.50	<0.005
	445.00	446.50	Q071303	1.50	<0.005
	446.50	448.00	Q071304	1.50	<0.005
	448.00	449.50	Q071305	1.50	<0.005
	449.50	451.00	Q071306	1.50	<0.005
	451.00	452.50	Q071307	1.50	<0.005
	452.50	454.00	Q071308	1.50	<0.005
	454.00	455.50	Q071309	1.50	<0.005
	455.50	457.00	Q071310	1.50	<0.005
	457.00	458.50	Q071311	1.50	<0.005
	458.50	460.00	Q071312	1.50	<0.005
	460.00	461.50	Q071313	1.50	<0.005
	461.50	463.00	Q071314	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			463.00	464.50	Q071315	1.50	<0.005
			464.50	466.00	Q071316	1.50	<0.005
			466.00	467.50	Q071317	1.50	<0.005
			467.50	469.00	Q071318	1.50	<0.005
469.00	471.00	Ank01; Cl01; Ca01	469.00	471.00	Q071319	2.00	<0.005
		Ankerite 1; Chlorite 1; Calcite 1					
		Ank and Chl are pervasive, calcite as fracture and vein fill.					
471.00		**End of DDH**					
		Number of samples: 287					
		Number of QAQC samples: 40					
		Total sampled length: 431.44					

KIRKLAND LAKE PROJECT

Canadian Malartic Corporation

MU14_114

Drilled by:	Major	Claims title:		Section:	
Described by:	A Richardsons	Township:		Level:	
		Range:		Work place:	Upper Canada
		Lot:			
		From:	05/08/2014	Description date:	15/08/2014
		To:	13/08/2014		

Collar

Azimuth: 360.0°
Dip: -65.0°
Length: 414.00 m

	Eng-Grid	Geo-Grid	UTM-Nad83
East	0.0	0.000	582,905.705
North	0.0	0.000	5,331,152.228
Elevation	0.0	0.000	343.342

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Surface	0.00	0.0°	-67.0°	No	
ReflexEZS	60.00	2.0°	-66.0°	No	Mag = 57231
ReflexEZS	120.00	2.1°	-65.8°	No	Mag = 54936
ReflexEZS	180.00	4.3°	-66.0°	Yes	Mag = 57654
ReflexEZS	240.00	1.2°	-65.8°	No	Mag = 54655
ReflexEZS	300.00	6.0°	-65.6°	No	Mag = 55448
ReflexEZS	360.00	6.4°	-65.6°	No	Mag = 55491
ReflexEZS	414.00	5.1°	-65.0°	No	Mag = 55047

Description

Core size: NQ Cemented: Yes Stored: No

Description			Assay				
			From	To	Sample number	Length	AuBest
0.00	44.30	OVB					
		Overburden					
		Overburden/casing					
44.30	78.72	V4; Por	44.30	46.00	Q071320	1.70	0.165
		Trachyte; Porphyritic					
		Light pink, to greenish fine grained trachyte with 5-10% coarse grained, tabular white feldspar porphyroblasts. Brecciated lower contact. Upper portion of unit is dominated by quartz vein brecciation and is a light pink colour with fine to coarse grained pyrite (up to 10% local). Lower portion is greenish and contains less pyrite (1-2% local). Contact between the pink and green is sharp.					
44.30	68.00	K01					
		Potassic 1					
		very weak					
44.30	46.00	Py05					
		Pyrite 5%					
		f-med gr disseminated					
44.30	68.00	Vm;35%;Qak;Sk;;;					
		major vein (10 cm or greater) 35% quartz-ankerite stockwork					
		Quartz vein zone. Quartz >95%, Ankerite <5%					
46.00	47.50	Py03	46.00	47.50	Q071321	1.50	0.014
		Pyrite 3%					
		fimed gr dis					
47.50	52.00	Py05	47.50	49.00	Q071322	1.50	0.105
		Pyrite 5%	49.00	50.50	Q071323	1.50	0.121
		f-med gr dis	50.50	52.00	Q071324	1.50	0.019
52.00	53.50	Py07	52.00	53.50	Q071327	1.50	0.008
		Pyrite 7%					
		f-med gr dis					
53.50	55.00	Py05	53.50	55.00	Q071328	1.50	0.042
		Pyrite 5%					
		f-med gr dis					
55.00	58.00	Py02	55.00	56.50	Q071329	1.50	0.009
		Pyrite 2%	56.50	58.00	Q071330	1.50	0.005
		f-med gr dis					
58.00	64.00	Py01	58.00	59.50	Q071331	1.50	<0.005
		Pyrite 1%	59.50	61.00	Q071332	1.50	<0.005
		f-med gr dis	61.00	62.50	Q071333	1.50	<0.005
			62.50	64.00	Q071334	1.50	0.007
64.00	65.50	Py07	64.00	65.50	Q071335	1.50	0.011
		Pyrite 7%					

Description			Assay				
			From	To	Sample number	Length	AuBest
		f-med gr dis					
65.50	67.00	Py03	65.50	67.00	Q071336	1.50	0.063
		Pyrite 3%					
		f-med gr dis					
67.00	68.50	Py02	67.00	68.50	Q071337	1.50	<0.005
		Pyrite 2%					
		fgr dis					
68.00	78.72	Cl01; Ank01					
		Chlorite 1; Ankerite 1					
		weak, pervasive					
68.50	74.50	Py01	68.50	70.00	Q071338	1.50	<0.005
		Pyrite 1%	70.00	71.50	Q071339	1.50	<0.005
		fgr dis	71.50	73.00	Q071340	1.50	<0.005
			73.00	74.50	Q071341	1.50	0.008
74.50	76.00	Py07	74.50	76.00	Q071342	1.50	<0.005
		Pyrite 7%					
		f-med gr dis					
76.00	79.00	Py01	76.00	77.00	Q071343	1.00	<0.005
		Pyrite 1%	77.00	78.50	Q071344	1.50	<0.005
		fgr dis	78.50	80.00	Q071345	1.50	<0.005
78.72	165.45	4U	80.00	81.50	Q071346	1.50	0.009
		Ultramafic	81.50	83.00	Q071347	1.50	<0.005
		Very fine grained, moderately talcose bluish ultramafic unit with very minor, wispy serpentine along fractures.	83.00	84.50	Q071348	1.50	<0.005
		Few fault zones - cataclastite with minor gouge.	84.50	86.00	Q071349	1.50	<0.005
			86.00	87.50	Q071352	1.50	<0.005
			87.50	89.00	Q071353	1.50	<0.005
			89.00	90.50	Q071354	1.50	<0.005
			90.50	92.00	Q071355	1.50	<0.005
			92.00	93.50	Q071356	1.50	<0.005
			93.50	95.00	Q071357	1.50	<0.005
			95.00	96.50	Q071358	1.50	<0.005
			96.50	98.00	Q071359	1.50	<0.005
			98.00	99.50	Q071360	1.50	<0.005
			99.50	101.00	Q071361	1.50	0.008
			101.00	102.50	Q071362	1.50	<0.005
			102.50	104.00	Q071363	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			104.00	105.50	Q071364	1.50	<0.005
			105.50	107.00	Q071365	1.50	0.011
			107.00	108.50	Q071366	1.50	<0.005
			108.50	110.00	Q071367	1.50	<0.005
			110.00	111.50	Q071368	1.50	<0.005
			111.50	113.00	Q071369	1.50	<0.005
			113.00	114.50	Q071370	1.50	<0.005
			114.50	116.00	Q071371	1.50	<0.005
			116.00	117.50	Q071372	1.50	<0.005
78.72	116.66	Talc02					
		Talc 2					
		moderate, pervasive					
116.66	120.32	DYKE; Aph					
		Dyke; APHANITIC					
		Aphanitic, dark, moderately chloritic mafic dyke. Sharp upper and lower contacts with a chill margin.					
		Upper 50TCA lower 65TCA. weakly magnetic. Pyrite mineralization, 1-2% local, fine grained blebby.					
116.66	120.32	Cl02	117.50	119.00	Q071373	1.50	0.005
		Chlorite 2	119.00	120.50	Q071374	1.50	<0.005
		pervasive					
120.32	143.53	Talc02	120.50	122.00	Q071377	1.50	<0.005
		Talc 2	122.00	123.50	Q071378	1.50	<0.005
		pervasive	123.50	125.00	Q071379	1.50	<0.005
			125.00	126.50	Q071380	1.50	<0.005
			126.50	128.00	Q071381	1.50	<0.005
			128.00	129.50	Q071382	1.50	<0.005
			129.50	131.00	Q071383	1.50	<0.005
			131.00	132.50	Q071384	1.50	<0.005
			132.50	134.00	Q071385	1.50	<0.005
			134.00	135.50	Q071386	1.50	<0.005
			135.50	137.00	Q071387	1.50	<0.005
			137.00	138.50	Q071388	1.50	<0.005
			138.50	140.00	Q071389	1.50	<0.005
			140.00	141.50	Q071390	1.50	0.005
			141.50	143.00	Q071391	1.50	<0.005
			143.00	144.50	Q071392	1.50	0.032

Description			Assay				
			From	To	Sample number	Length	AuBest
143.53	143.82	DYKE; Aph **Dyke 60°; APHANITIC** Dark, chloritic, aphanitic mafic dyke. Pyrite mineralization - fine to medium grained an-euhedral, 5% over interval.					
143.53	143.82	Cl01 **Chlorite 1** pervasive					
143.82	165.45	Talc02 **Talc 2** pervasive	144.50	146.00	Q071393	1.50	<0.005
			146.00	147.50	Q071394	1.50	<0.005
			147.50	149.00	Q071395	1.50	<0.005
			149.00	150.50	Q071396	1.50	<0.005
			150.50	152.00	Q071397	1.50	<0.005
			152.00	153.50	Q071398	1.50	<0.005
			153.50	155.00	Q071399	1.50	0.074
			155.00	156.50	Q071402	1.50	<0.005
			156.50	158.00	Q071403	1.50	<0.005
			158.00	159.50	Q071404	1.50	<0.005
			159.50	161.00	Q071405	1.50	<0.005
			161.00	162.50	Q071406	1.50	<0.005
			162.50	164.00	Q071407	1.50	<0.005
			164.00	165.50	Q071408	1.50	0.036
165.45	266.67	V4; Per **Trachyte; PERLITIC** Greenish to reddish fine grained perlitic uniform non-magnetic trachyte. Upper few metres are dominantly chloritic transitioning quickly to potassic. Unit contains minor intervals of magnetic, chloritic, dark aphanitic devitrified glassy chill margins, most only a few cm's wide with rare examples up to 40cm. Unit is mineralized by disseminated fine grained pyrite and rare specularite in hairline veinlets. Few crosscutting feldspar-dominated veins with minor ankerite. Unit is very weakly pervasively ankeritized with minor chlorite along thin seams.	165.50	167.00	Q071409	1.50	<0.005
			167.00	168.50	Q071410	1.50	0.025
			168.50	170.00	Q071411	1.50	0.596
			170.00	171.50	Q071412	1.50	0.382
165.45	171.00	Cl01 **Chlorite 1** pervasive					
171.00	219.30	K01 **Potassic 1** pervasive	171.50	173.00	Q071413	1.50	0.197
			173.00	174.50	Q071414	1.50	0.151
			174.50	176.00	Q071415	1.50	0.074
			176.00	177.50	Q071416	1.50	0.155
			177.50	179.00	Q071417	1.50	0.258
			179.00	180.50	Q071418	1.50	0.168

Description			Assay				
			From	To	Sample number	Length	AuBest
			180.50	182.00	Q071419	1.50	0.215
182.00	185.00	Py03	182.00	183.50	Q071420	1.50	0.206
		Pyrite 3%	183.50	185.00	Q071421	1.50	0.103
		fgr dis					
185.00	186.50	Py02; Cp00.1	185.00	186.50	Q071422	1.50	0.194
		Pyrite 2%; Chalcopyrite 0.1%					
		fgr dis py, fgr blebby cpy					
186.50	189.50	Py03	186.50	188.00	Q071423	1.50	0.193
		Pyrite 3%	188.00	189.50	Q071424	1.50	0.293
		fgr dis					
189.50	198.50	Py02	189.50	191.00	Q071427	1.50	0.117
		Pyrite 2%	191.00	192.50	Q071428	1.50	0.169
		fgr dis	192.50	194.00	Q071429	1.50	0.116
			194.00	195.50	Q071430	1.50	0.227
			195.50	197.00	Q071431	1.50	0.153
			197.00	198.50	Q071432	1.50	0.477
198.30	198.65	FTH					
		Flow Top/Hyaloclastite					
		dark, chloritic, magnetic.					
198.50	200.00	Py03	198.50	200.00	Q071433	1.50	0.384
		Pyrite 3%					
		fgr dis					
200.00	204.50	Py03	200.00	201.50	Q071434	1.50	0.08
		Pyrite 3%	201.50	203.00	Q071435	1.50	0.074
		fgr dis	203.00	204.50	Q071436	1.50	0.394
204.50	206.00	Py05	204.50	206.00	Q071437	1.50	0.161
		Pyrite 5%					
		f-med gr dis					
206.00	210.50	Py03	206.00	207.50	Q071438	1.50	0.211
		Pyrite 3%	207.50	209.00	Q071439	1.50	0.152
		fgr dis	209.00	210.50	Q071440	1.50	0.08
210.50	215.00	Py05	210.50	212.00	Q071441	1.50	0.13
		Pyrite 5%	212.00	213.50	Q071442	1.50	0.189
		f-med gr dis	213.50	215.00	Q071443	1.50	0.098
215.00	218.00	Py02	215.00	216.50	Q071444	1.50	0.065
		Pyrite 2%	216.50	218.00	Q071445	1.50	0.065
		fgr dis					

Description			Assay				
			From	To	Sample number	Length	AuBest
218.00	223.50	Py01	218.00	219.50	Q071446	1.50	0.198
		Pyrite 1%					
		fgr dis					
219.30	235.30	K01; Ank01	219.50	221.00	Q071447	1.50	0.18
		Potassic 1; Ankerite 1	221.00	222.50	Q071448	1.50	0.294
		Pervasive	222.50	224.00	Q071449	1.50	0.339
223.50	228.50	Py00.5	224.00	225.50	Q071452	1.50	0.043
		Pyrite 0.5%	225.50	227.00	Q071453	1.50	0.05
		fgr dis	227.00	228.50	Q071454	1.50	0.021
228.50	230.00	Py00.1; Hem00.5	228.50	230.00	Q071455	1.50	0.02
		Pyrite 0.1%; SPECULARITE 0.5%					
		dgr dis py, 0.5% specularite in hairline stringers.					
230.00	240.50	Py01	230.00	231.50	Q071456	1.50	0.031
		Pyrite 1%	231.50	233.00	Q071457	1.50	0.03
		fgr dis	233.00	234.50	Q071458	1.50	0.015
			234.50	236.00	Q071459	1.50	0.017
235.30	266.67	Ank01	236.00	237.50	Q071460	1.50	0.049
		Ankerite 1	237.50	239.00	Q071461	1.50	0.359
		pervasive	239.00	240.50	Q071462	1.50	1.165
240.50	243.50	Py03	240.50	242.00	Q071463	1.50	0.735
		Pyrite 3%	242.00	243.50	Q071464	1.50	0.46
		fgr dis					
243.50	246.50	Py01	243.50	245.00	Q071465	1.50	0.043
		Pyrite 1%	245.00	246.50	Q071466	1.50	0.082
		FGR DIS					
246.50	251.50	Py03	246.50	248.00	Q071467	1.50	0.178
		Pyrite 3%	248.00	249.50	Q071468	1.50	0.03
		fgr dis	249.50	251.00	Q071469	1.50	0.047
250.70	253.30	V4; Pep	251.00	252.50	Q071470	1.50	0.125
		Trachyte 50°; PEPERITIC					
		as primary lithology, just peperitic.					
251.50	260.00	Py02	252.50	254.00	Q071471	1.50	0.307
		Pyrite 2%	254.00	255.50	Q071472	1.50	0.045
		fgr dis	255.50	257.00	Q071473	1.50	0.063
			257.00	258.50	Q071474	1.50	0.06
			258.50	260.00	Q071477	1.50	0.05

Description			Assay				
			From	To	Sample number	Length	AuBest
260.00	310.00	Py00.5	260.00	261.50	Q071478	1.50	0.01
		Pyrite 0.5%	261.50	263.00	Q071479	1.50	0.034
		fgr dis	263.00	264.50	Q071480	1.50	0.008
			264.50	266.00	Q071481	1.50	0.02
264.90	266.00	V4; Pep	266.00	267.50	Q071482	1.50	0.007
		Trachyte 50°; PEPERITIC					
		As above peperite.					
266.67	285.77	V4; Vol					
		Trachyte; VOLCANICLASTIC					
		Dark, greenish, weak pervasive chlorite and ankerite alteration. Mostly fine grained chloritic tuff with light greenish fragments, subangular to rounded, often defining a weak foliation (bedding?) with an aphanitic dark chloritic matrix. Fragments are small, less than 1cm in size generally, and are aphanitic and hard. Upper contact is sharp, 50TCA. Unit has few crosscutting ankerite veinlets. Mineralization is fine grained disseminated pyrite, <1%. Unit is weakly to moderately magnetic.					
266.67	285.77	Ank01; Cl01	267.50	269.00	Q071483	1.50	0.005
		Ankerite 1; Chlorite 1	269.00	270.50	Q071484	1.50	0.005
		pervasive ankerite, chloritic matrix.	270.50	272.00	Q071485	1.50	0.015
			272.00	273.50	Q071486	1.50	0.018
			273.50	275.00	Q071487	1.50	0.035
			275.00	276.50	Q071488	1.50	0.02
			276.50	278.00	Q071489	1.50	0.024
			278.00	279.50	Q071490	1.50	0.059
			279.50	281.00	Q071491	1.50	0.035
			281.00	282.50	Q071492	1.50	0.083
			282.50	284.00	Q071493	1.50	0.039
			284.00	285.50	Q071494	1.50	0.07
			285.50	287.00	Q071495	1.50	0.129
285.77	310.15	V4; FlBand	287.00	288.50	Q071496	1.50	0.088
		Trachyte 50°; FLOWBANDED	288.50	290.00	Q071497	1.50	0.311
		Green and red, aphanitic flowbanded ankeritic, potassic trachyte. Unit crosscut by few hairline ankerite veinlets. Upper third of unit is pervasively potassic, middle third is ankeritic with a chloritic matrix (<10%) and the lower third is again potassic. MIneralization is fine grained disseminated pyrite, up to 3% local. Foliation/bedding/lamination consistant at ~50TCA	290.00	291.50	Q071498	1.50	0.205
			291.50	293.00	Q071499	1.50	0.173
285.77	291.59	Ank01; K01					
		Ankerite 1; Potassic 1					
		pervasive					
291.59	299.05	Ank01; Cl01	293.00	294.50	Q071502	1.50	0.395

Description			Assay				
			From	To	Sample number	Length	AuBest
		Ankerite 1; Chlorite 1	294.50	296.00	Q071503	1.50	0.165
		pervasive ankerite, chlorite as matrix infill.	296.00	297.50	Q071504	1.50	0.052
			297.50	299.00	Q071505	1.50	0.111
			299.00	300.50	Q071506	1.50	0.08
299.05	310.15	Ank01; K01	300.50	302.00	Q071507	1.50	0.077
		Ankerite 1; Potassic 1	302.00	303.50	Q071508	1.50	0.352
		pervasive.	303.50	305.00	Q071509	1.50	0.195
			305.00	306.50	Q071510	1.50	0.268
			306.50	308.00	Q071511	1.50	0.081
			308.00	309.50	Q071512	1.50	0.213
			309.50	311.00	Q071513	1.50	0.157
310.15	414.00	V4; Fol	311.00	312.50	Q071514	1.50	0.265
		Trachyte; Foliated	312.50	314.00	Q071515	1.50	0.61
		Deformed basement volcanic package, dominantly a tuffaceous, chloritic volcanic rock. Well foliated,	314.00	315.50	Q071516	1.50	6.31
		moderately magnetic, ankeritized and chloritic. Local S-C fabric. Foliation varies from parallel, about 310m with	315.50	317.00	Q071517	1.50	0.755
		sericite segregation observed. Rare S-C fabric developed (317m). Below 329.6m the dominant alteration is	317.00	318.50	Q071518	1.50	0.005
		chlorite with minor stringers and rarer 1cm size veins of ankerite and calcite.	318.50	320.00	Q071519	1.50	<0.005
			320.00	321.50	Q071520	1.50	<0.005
			321.50	323.00	Q071521	1.50	0.005
			323.00	324.50	Q071522	1.50	<0.005
			324.50	326.00	Q071523	1.50	<0.005
			326.00	327.50	Q071524	1.50	<0.005
			327.50	329.00	Q071527	1.50	0.009
			329.00	330.50	Q071528	1.50	<0.005
310.15	329.60	Ank01					
		Ankerite 1					
		pervasive					
329.60	385.00	Cl01	330.50	332.00	Q071529	1.50	<0.005
		Chlorite 1	332.00	333.50	Q071530	1.50	<0.005
		pervasive	333.50	335.00	Q071531	1.50	<0.005
			335.00	336.50	Q071532	1.50	<0.005
			336.50	338.00	Q071533	1.50	<0.005
			338.00	339.50	Q071534	1.50	<0.005
			339.50	341.00	Q071535	1.50	<0.005

Description			Assay				
			From	To	Sample number	Length	AuBest
			341.00	342.50	Q071536	1.50	<0.005
			342.50	344.00	Q071537	1.50	<0.005
			344.00	345.50	Q071538	1.50	<0.005
			345.50	347.00	Q071539	1.50	<0.005
			347.00	348.50	Q071540	1.50	<0.005
			348.50	350.00	Q071541	1.50	0.025
			350.00	351.50	Q071542	1.50	<0.005
			351.50	353.00	Q071543	1.50	0.026
			353.00	354.50	Q071544	1.50	0.009
			354.50	356.00	Q071545	1.50	0.006
			356.00	357.50	Q071546	1.50	<0.005
			357.50	359.00	Q071547	1.50	0.017
			359.00	360.50	Q071548	1.50	0.022
			360.50	362.00	Q071549	1.50	<0.005
			362.00	363.50	Q071552	1.50	<0.005
			363.50	365.00	Q071553	1.50	<0.005
			365.00	366.50	Q071554	1.50	<0.005
			366.50	368.00	Q071555	1.50	0.012
			368.00	369.50	Q071556	1.50	<0.005
			369.50	371.00	Q071557	1.50	<0.005
			371.00	372.50	Q071558	1.50	<0.005
			372.50	374.00	Q071559	1.50	<0.005
			374.00	375.50	Q071560	1.50	<0.005
			375.50	377.00	Q071561	1.50	<0.005
			377.00	378.50	Q071562	1.50	<0.005
			378.50	380.00	Q071563	1.50	<0.005
			380.00	381.50	Q071564	1.50	<0.005
			381.50	383.00	Q071565	1.50	<0.005
			383.00	384.50	Q071566	1.50	<0.005
			384.50	386.00	Q071567	1.50	<0.005
385.00	414.00	Cl01; Ank **Chlorite 1; Ankerite** pervasive	386.00	387.50	Q071568	1.50	<0.005
			387.50	389.00	Q071569	1.50	<0.005
			389.00	390.50	Q071570	1.50	<0.005
			390.50	392.00	Q071571	1.50	<0.005

Description	Assay				
	From	To	Sample number	Length	AuBest
	392.00	393.50	Q071572	1.50	<0.005
	393.50	395.00	Q071573	1.50	<0.005
	395.00	396.50	Q071574	1.50	<0.005
	396.50	398.00	Q071577	1.50	<0.005
	398.00	399.50	Q071578	1.50	<0.005
	399.50	401.00	Q071579	1.50	<0.005
	401.00	402.50	Q071580	1.50	<0.005
	402.50	404.00	Q071581	1.50	<0.005
	404.00	405.50	Q071582	1.50	<0.005
	405.50	407.00	Q071583	1.50	<0.005
	407.00	408.50	Q071584	1.50	<0.005
	408.50	410.00	Q071585	1.50	<0.005
	410.00	411.50	Q071586	1.50	<0.005
	411.50	413.00	Q071587	1.50	0.007
	413.00	414.00	Q071588	1.00	0.01
414.00	**End of DDH**				
	Number of samples: 247				
	Number of QAQC samples: 34				
	Total sampled length: 369.70				

581875E
581900E
581925E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
MU14_80
COM10_30
300El
200El
100El
0El
-100El
-200El
-300El
V4
FAZ
V4B
CARB
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 1900E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
DATE 29-Oct-14
APPROVED
A2


581925E
581950E
581975E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
MU14_80
MU72333
MU72342
4U
V15
LC
4Uc
V4
V9
15p
V4 V9
V4 V9L
V4V9
V4 BX
V4 V9L
V9L
S1 V4 V10
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 1950E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 29-Oct-14
A2

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2000E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		


582025E
582050E
582075E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
V4
UNK V4
V9 V9L
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 2050E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 29-Oct-14
A2

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2100E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		


582125E
582150E
582175E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
MU72343
MU72325
MU14_80
MU14_108
V15
V9 V4
V9 V9L
V4
CARB V4
V9L V10
V4 V9
V10
V9
V10V4
V9V9LMT
V4 V9 CTZ
V9 V9L
V4T
FAZ
CARB V4
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 2150E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
DATE 29-Oct-14
APPROVED
A2

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2200E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		


582225E
582250E
582275E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 2250E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
DATE 29-Oct-14
APPROVED
A2

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2300E
Looking West

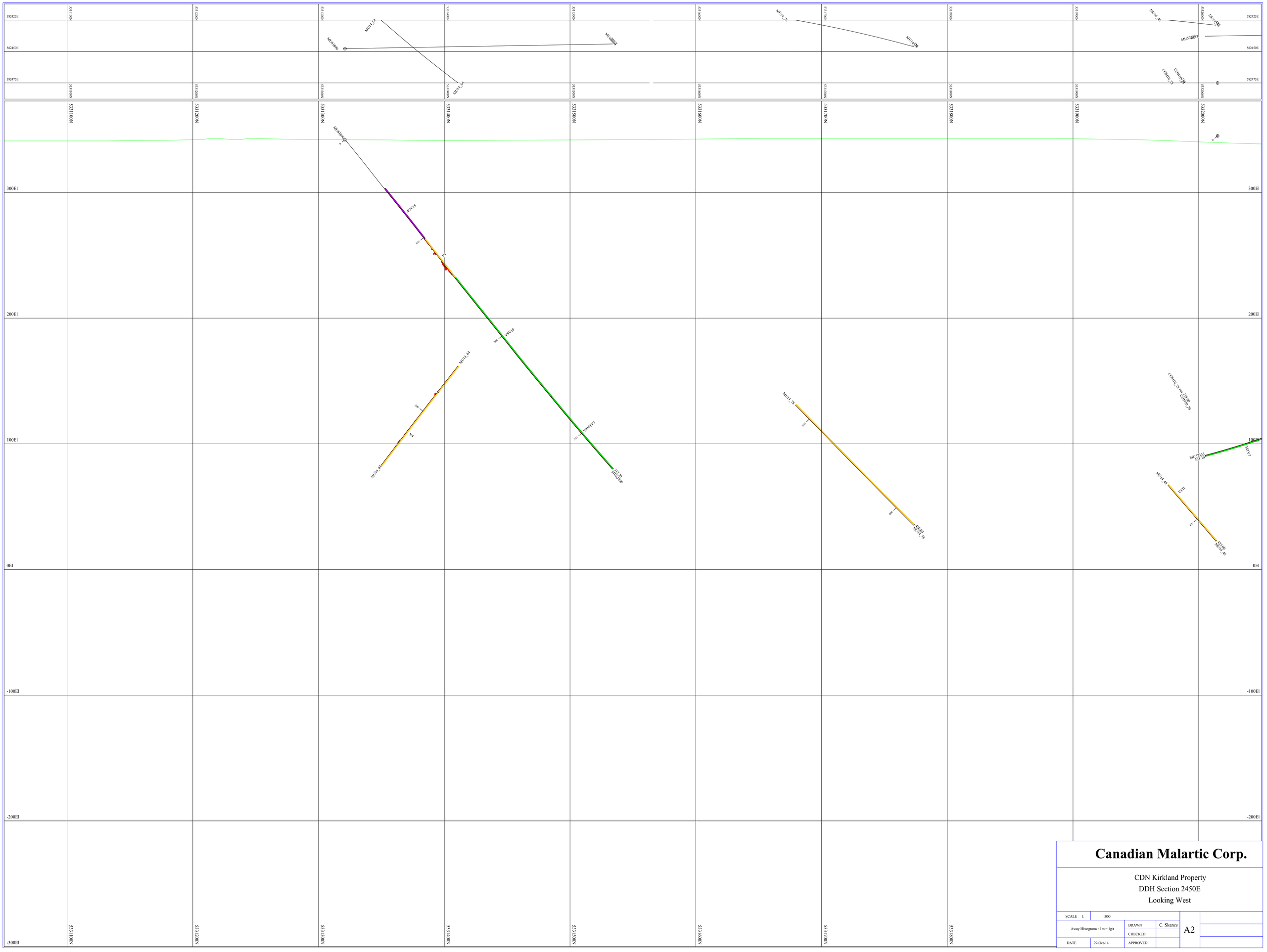
SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		


582325E
582350E
582375E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
MU14_78A
MU14_64
MU14_89
MU14_45
MU02_19E
MU72339
2D
4U
MI 3L
4U 4Ui
1F
4U TCS
4Ui 1F
4Uc 4Ui
4U 4Uc
1F 4Uc
BAZ 4Uc
4Uc 4Ui
S6V9 4Ui
GCZ 4Uc
GCZ 4Ui
V4Ta
V4
V4T
V4p
MT V4
V4TI
FAZ
V4a
V4bx
V4T_V4
457.20
579.00
495.00
386.80
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 2350E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 29-Oct-14
A2

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2400E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2450E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2500E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	29-Oct-14	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2550E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2600E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2650E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

Canadian Malartic Corp.

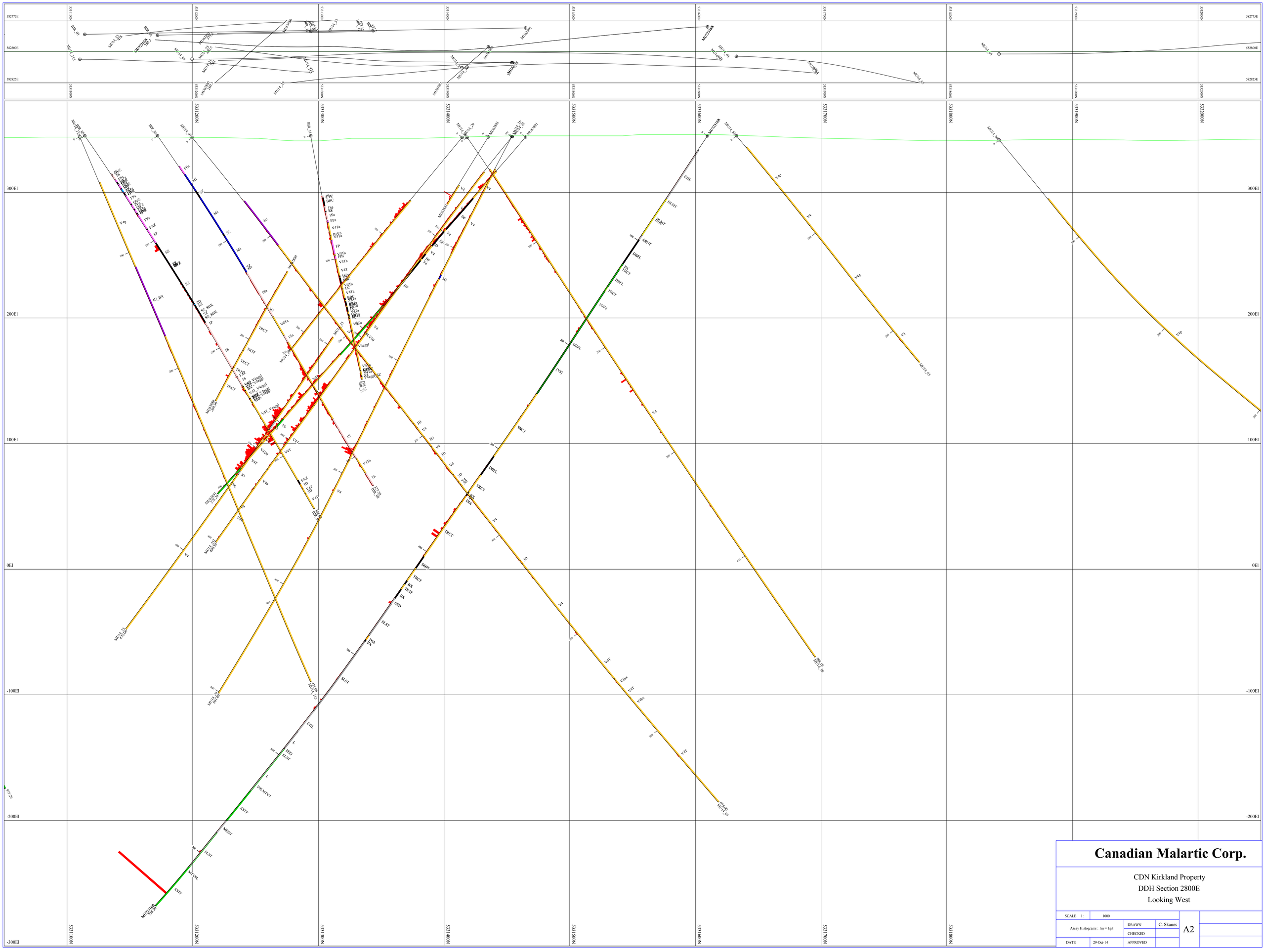
CDN Kirkland Property
DDH Section 2700E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	29-Oct-14	APPROVED		

582725E
582750E
582775E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
MU14_104
MU14_33
MU14_36
MU14_37
MU14_38
MU630B0
300EI
200EI
100EI
0EI
-100EI
-200EI
-300EI
V2t
V_V4T
V4a
V4T
V4
BX
TRCT
100
200
300
400
500
Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2750E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2800E
Looking West

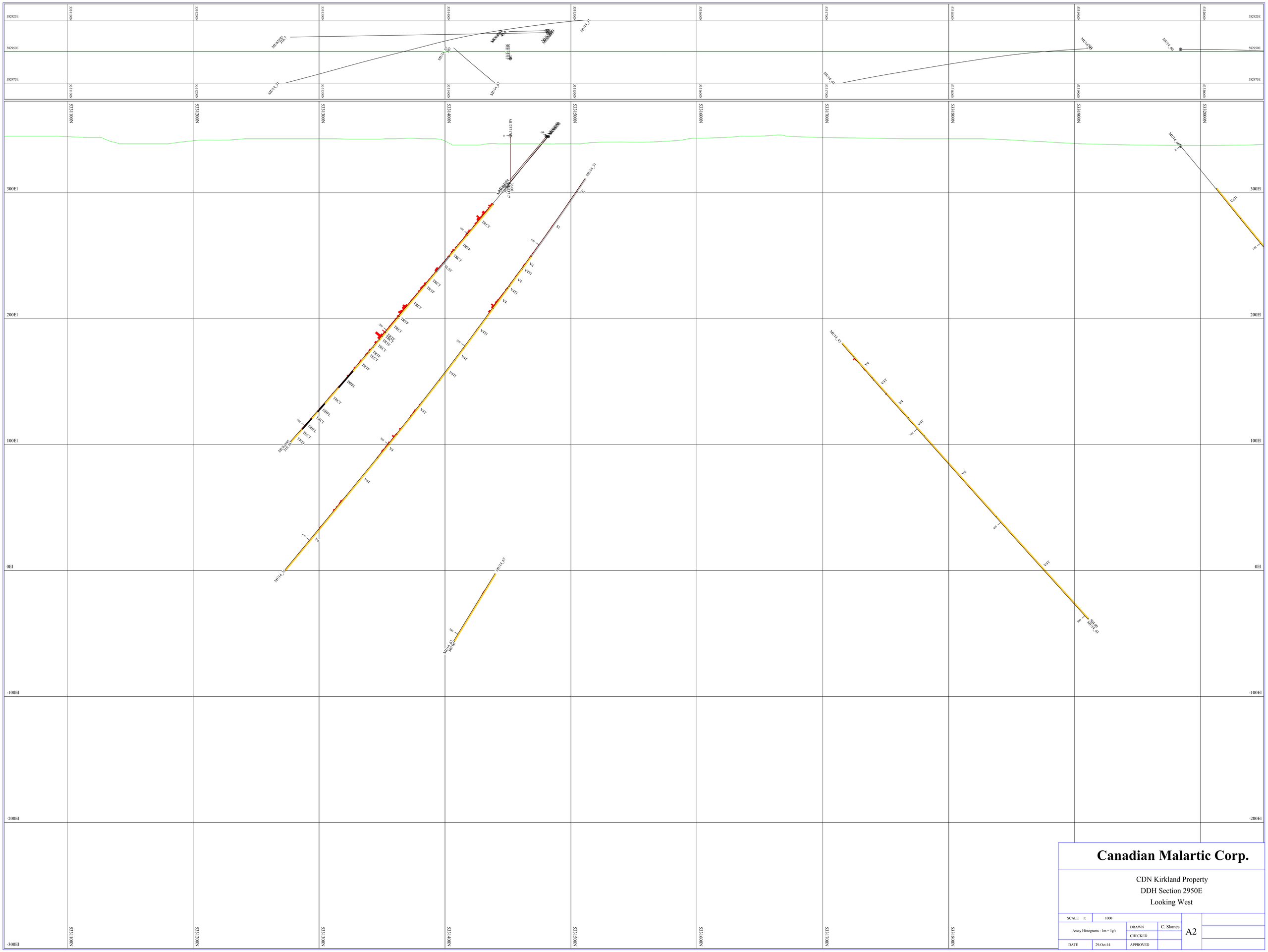
SCALE 1:	1000		
Assay Histograms : 1m = 1g/t	DRAWN	C. Skanes	A2
	CHECKED		
DATE: 29-Oct-14	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2850E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

582875E
582900E
582925E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
MU14_114
MU14_103
MU14_28
MU14_28 438.00
MU14_31
MU63881
MU63881 250.20
414.00 MU14_114
425.85 MU14_103
V4p
4U
V4
V4a
V4T
S1
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 2900E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 29-Oct-14
A2



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2950E
Looking West

SCALE 1:	1000				
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2	
		CHECKED			
DATE	29-Oct-14	APPROVED			

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3000E
Looking West

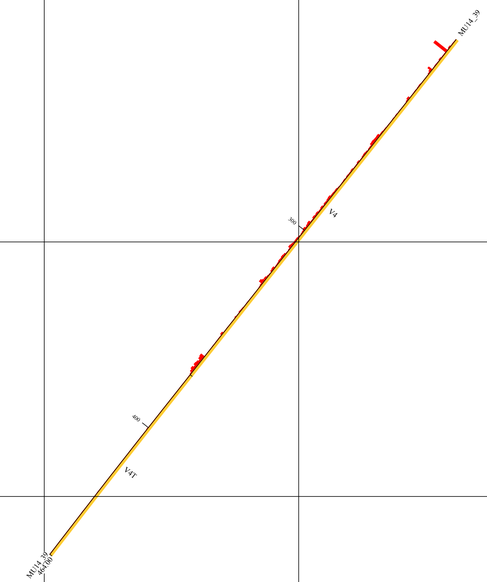
SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3050E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		


583075E
583100E
583125E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
MU14_54
MU14_62
MU14_67
V4
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 3100E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 29-Oct-14
A2



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3150E
Looking West

SCALE 1:	1000			A2	
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes		
		CHECKED			
DATE	29-Oct-14	APPROVED			

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3200E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3250E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

5331100N 5331200N 5331300N 5331400N 5331500N 5331600N 5331700N 5331800N 5331900N 5332000N

583275E 583300E 583325E

MU14_01 MU14_01 MU14_02 MU14_02 MU14_02 MU14_03 MU14_03

300EI 200EI 100EI 0EI -100EI -200EI -300EI

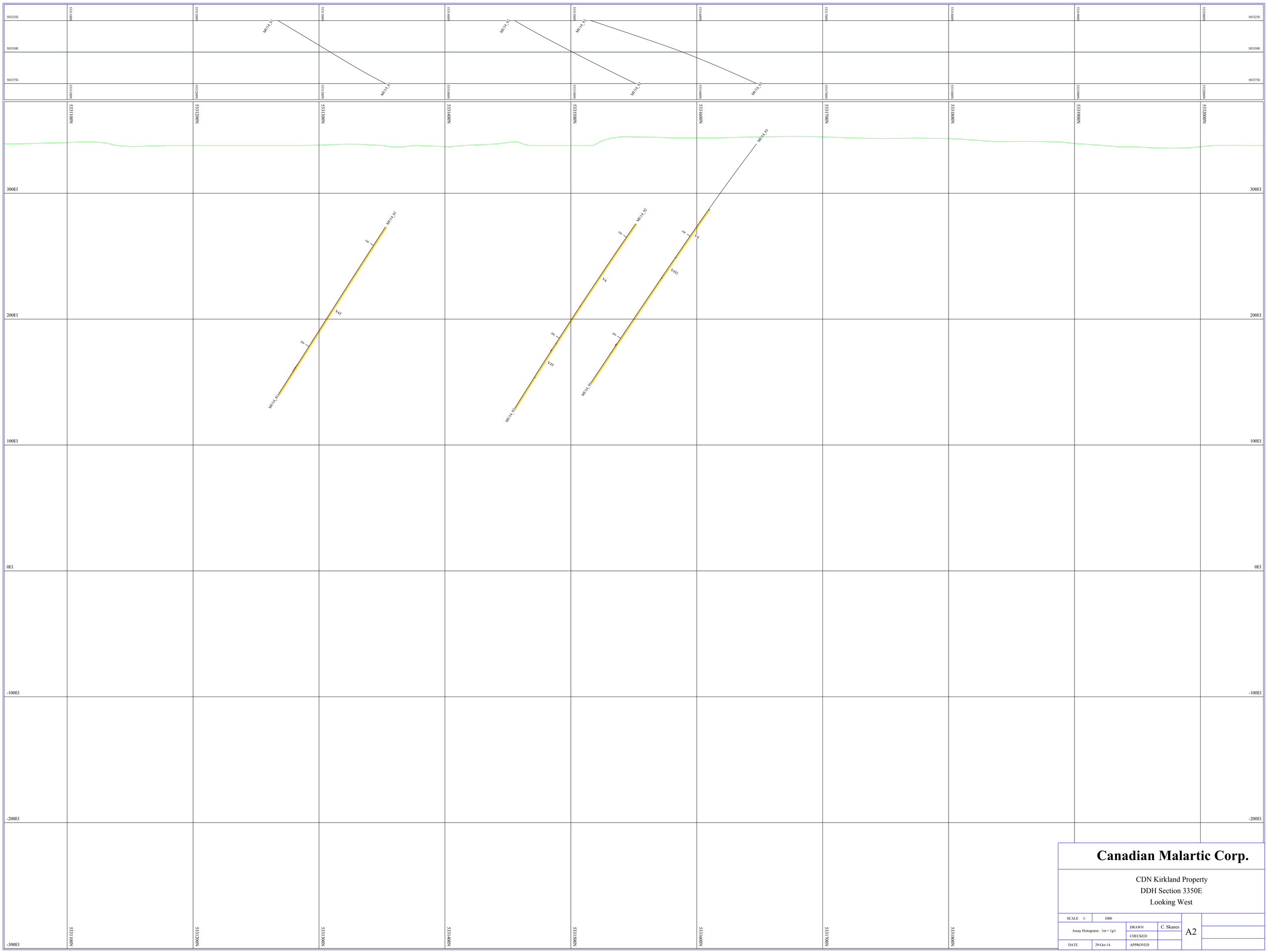
MU14_01 MU14_01 MU14_02 MU14_02 MU14_03 MU14_03

15ft 30ft 30ft 30ft 30ft

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3300E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3350E
Looking West

SCALE 1:	1000		A2
Assay Histograms : 1m = 1g/t	DRAWN	C. Skanes	
	CHECKED		
DATE	29-Oct-14	APPROVED	

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3400E
Looking West

SCALE 1: 1000				A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	29-Oct-14	APPROVED		

583425E

583450E

583475E

5311100N

5311200N

5311300N

5311400N

5311500N

5311600N

5311700N

5311800N

5311900N

5312000N

MU14_71A

MU14_71W

MU14_82

MU14_83

300El

200El

100El

0El

-100El

-200El

-300El

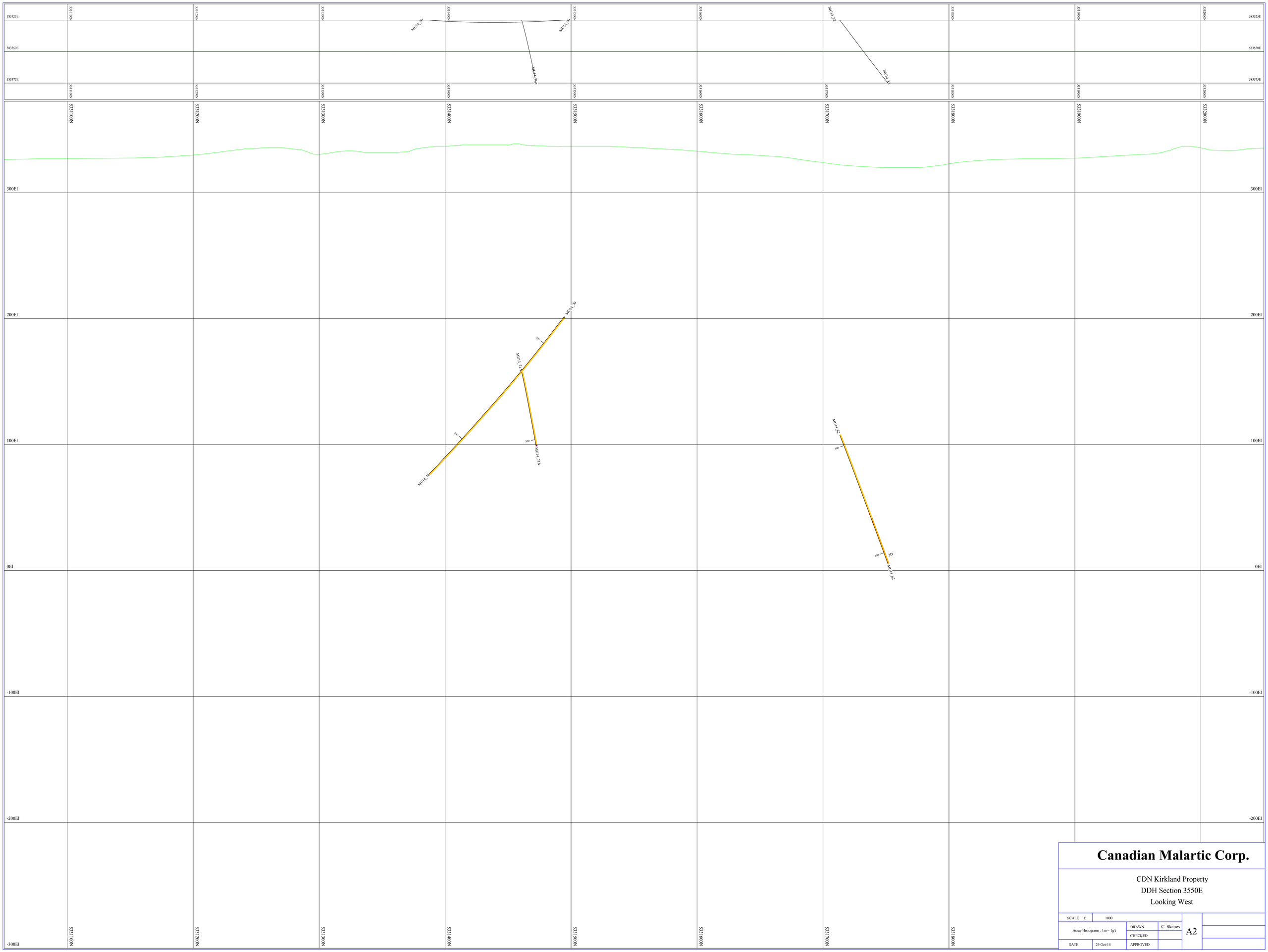
50

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3450E
Looking West

SCALE 1:	1000			A2	
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes		
		CHECKED			
DATE	29-Oct-14	APPROVED			


583475E
583500E
583525E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
MU14_70
MU14_71A
MU14_82
V4T
V4
V4MT
MI
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 3500E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
DATE 29-Oct-14
APPROVED
A2



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3550E
Looking West

SCALE 1:	1000		A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes
		CHECKED	
DATE	29-Oct-14	APPROVED	


583575E
583600E
583625E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
MU14_71A
4U
MI
MU14_82
MU14_77
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 3600E
Looking West
SCALE: 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN
C. Skanes
CHECKED
APPROVED
DATE
29-Oct-14
A2

583625E | 5331100N | 5331200N | 5331300N | 5331400N | 5331500N | 5331600N | 5331700N | 5331800N | 5331900N | 583625E

583650E | 583650E

583675E | 583675E

5331100N | 5331200N | 5331300N | 5331400N | 5331500N | 5331600N | 5331700N | 5331800N | 5331900N | 5332000N

VLT_71A

300EI | 300EI

200EI | 200EI

100EI | 100EI

0EI | 0EI

-100EI | -100EI

-200EI | -200EI

-300EI | 5331100N | 5331200N | 5331300N | 5331400N | 5331500N | 5331600N | 5331700N | 5331800N

MS14_71A

400

V4_Gg

MS14_71B

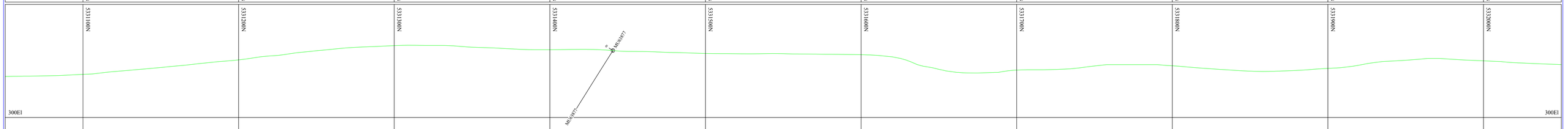
Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3650E
Looking West

SCALE 1:	1000		A2
Assay Histograms : 1m = 1g/t	DRAWN	C. Skanes	
	CHECKED		
DATE	22-Apr-15	APPROVED	

583675E 583700E 583725E

5331100N 5331200N 5331300N 5331400N 5331500N 5331600N 5331700N 5331800N 5331900N 5332000N

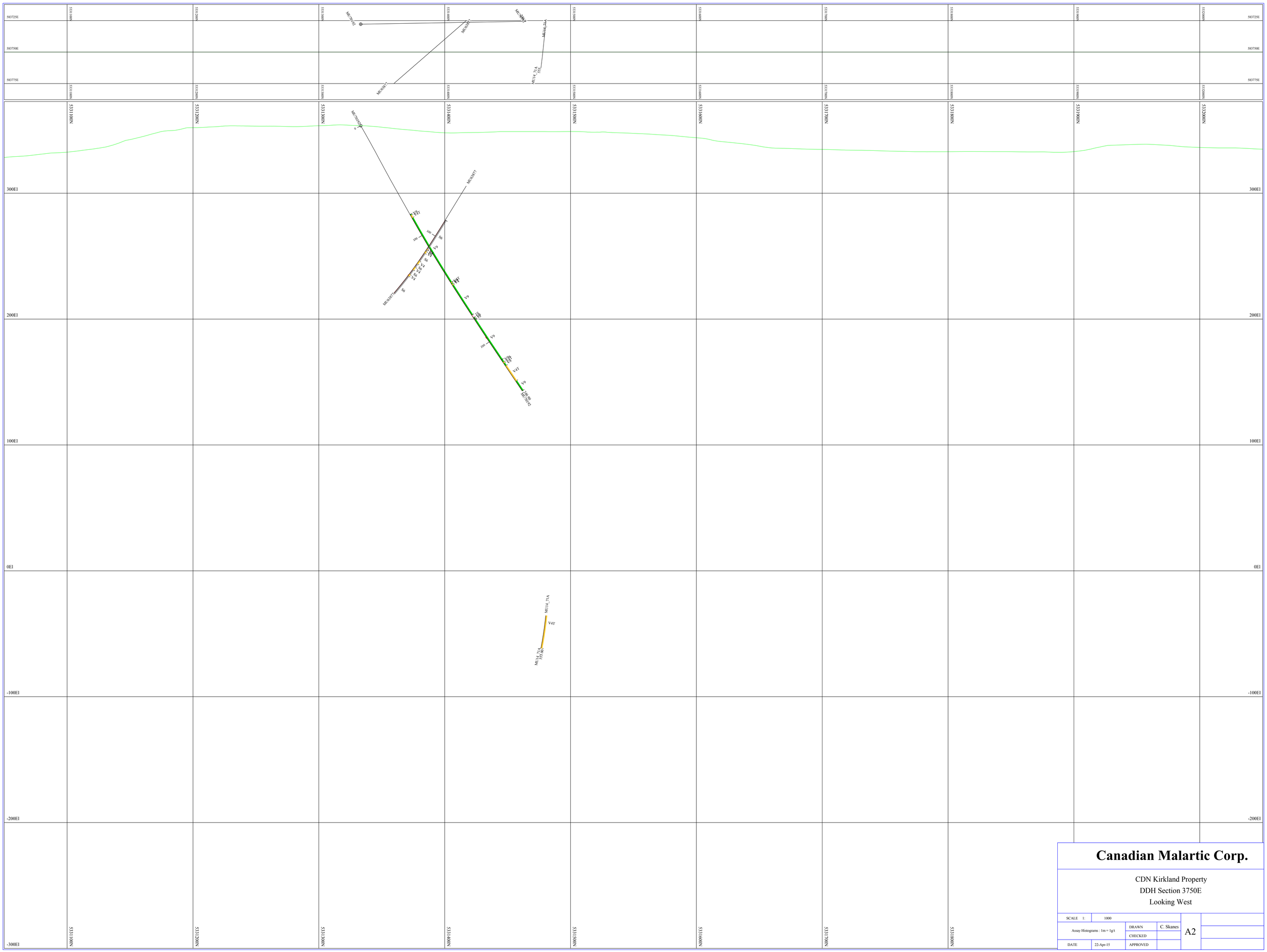


300EI 200EI 100EI 0EI -100EI -200EI -300EI

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3700E
Looking West

SCALE 1:	1000			A2	
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes		
		CHECKED			
DATE	22-Apr-15	APPROVED			



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3750E
Looking West

SCALE 1:	1000			A2	
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes		
		CHECKED			
DATE	22-Apr-15	APPROVED			

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3950E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	22-Apr-15	APPROVED		


583975E
584000E
584025E
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N
300El
200El
100El
0El
-100El
-200El
-300El
V9
V4_fld
V9
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 4000E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 22-Apr-15
A2

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2050E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	22-Apr-15	APPROVED		

Canadian Malartic Corp.				
CDN Kirkland Property DDH Section 2100E Looking West				
SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	22-Apr-15	APPROVED		

Canadian Malartic Corp.					
CDN Kirkland Property DDH Section 2150E Looking West					
SCALE 1:	1000				
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2	
		CHECKED			
DATE	22-Apr-15	APPROVED			


300El
200El
100El
0El
-100El
-200El
-300El
5332100N
5332200N
5332300N
5332400N
5332500N
5332600N
5332700N
5332800N
5332900N
5333000N
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 2200E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 22-Apr-15
A2

582225E 582250E 582275E

5331800N 5331900N 5332000N 5332100N 5332200N 5332300N 5332400N 5332500N 5332600N 5332700N 5332800N 5332900N 5333000N

300El 200El 100El 0El -100El -200El -300El

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2250E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2400E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

5313100N | 5313200N | 5313300N | 5313400N | 5313500N | 5313600N | 5313700N | 5313800N | 5313900N | 5314000N

582675E

582700E

582725E

300El

200El

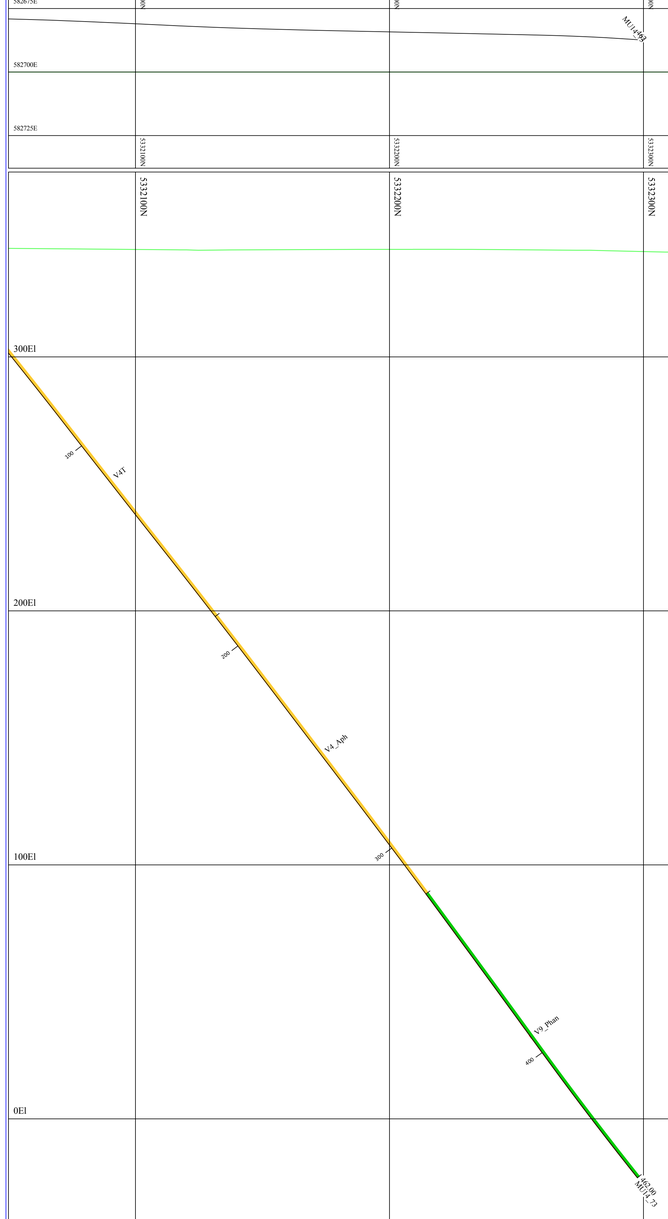
100El

0El

-100El

-200El

-300El



Canadian Malartic Corp.

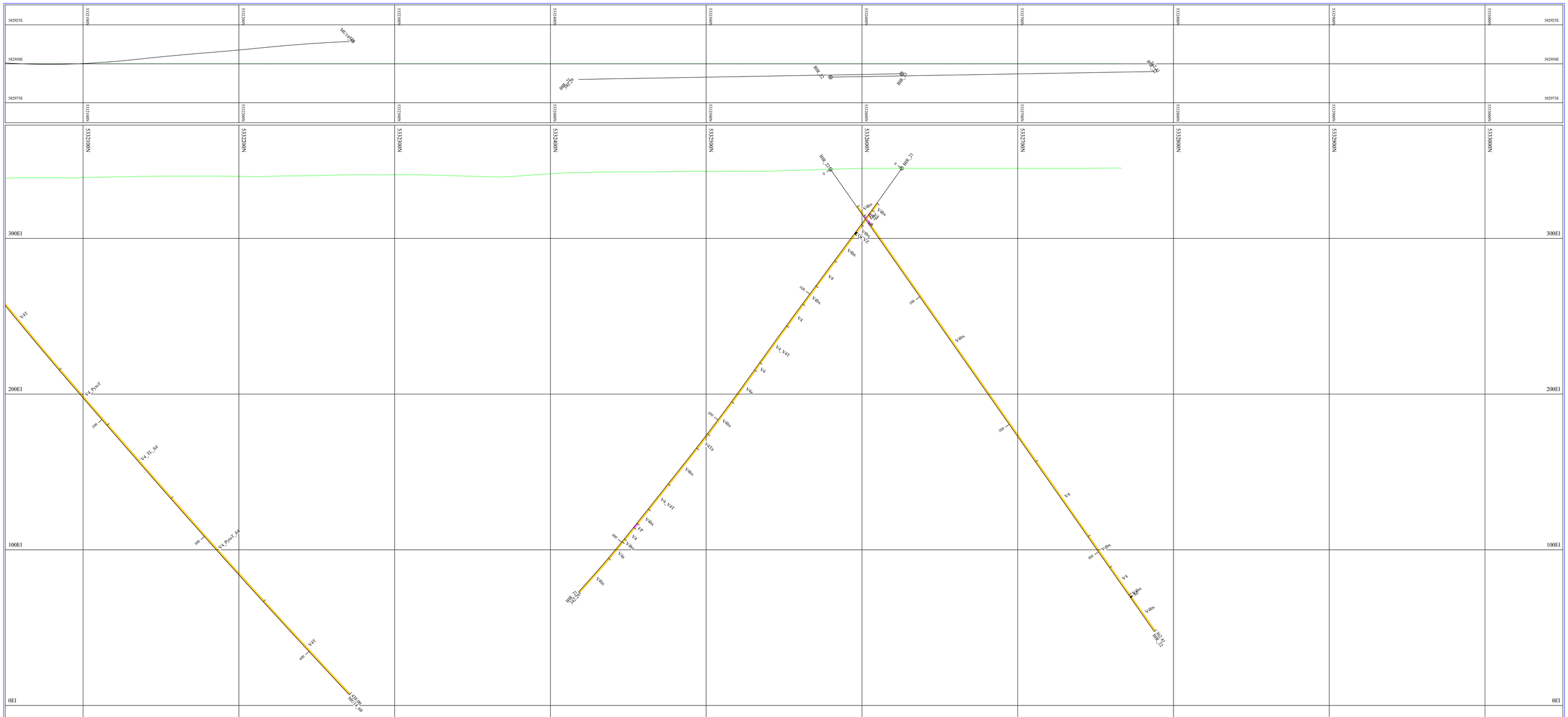
CDN Kirkland Property
DDH Section 2700E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2800E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	22-Apr-15	APPROVED		



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 2950E
Looking West

SCALE 1:	1000			A2	
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes		
		CHECKED			
DATE	22-Apr-15	APPROVED			

582975E | 5321500N | 5322300N | 5323100N | 5323900N | 5324700N | 5325500N | 5326300N | 5327100N | 5327900N | 5328700N | 5329500N | 582975E

583000E | 583000E

583025E | 583025E

5321500N | 5322300N | 5323100N | 5323900N | 5324700N | 5325500N | 5326300N | 5327100N | 5327900N | 5328700N | 5329500N | 5330300N

5321500N | 5322300N | 5323100N | 5323900N | 5324700N | 5325500N | 5326300N | 5327100N | 5327900N | 5328700N | 5329500N | 5330300N

300El | 300El

200El | 200El

100El | 100El

0El | 0El

-100El | -100El

-200El | -200El

-300El

5321500N | 5322300N | 5323100N | 5323900N | 5324700N | 5325500N | 5326300N | 5327100N | 5327900N | 5328700N

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3000E
Looking West

SCALE 1:	1000		A2
Assay Histograms : 1m = 1g/t	DRAWN	C. Skanes	
	CHECKED		
DATE	22-Apr-15	APPROVED	


583125E
583150E
583175E
5332100N
5332200N
5332300N
5332400N
5332500N
5332600N
5332700N
5332800N
5332900N
5333000N
300El
200El
100El
0El
-100El
-200El
-300El
MU14_86
V4_Gd
V4_Plum_Mavi
V4_TL_Fyro
Canadian Malartic Corp.
CDN Kirkland Property
DDH Section 3150E
Looking West
SCALE 1: 1000
Assay Histograms : 1m = 1g/t
DRAWN C. Skanes
CHECKED
APPROVED
DATE 22-Apr-15
A2

5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N

583200E

583225E

583175E

583200E

583225E

5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N

300El

200El

100El

0El

-100El

-200El

-300El

MU14_96

MU14_96w

MU14_96e

V4_TL_6il

V4T_Pyrr_6il

V4_TL_Pyrr

400.00
MU14_61

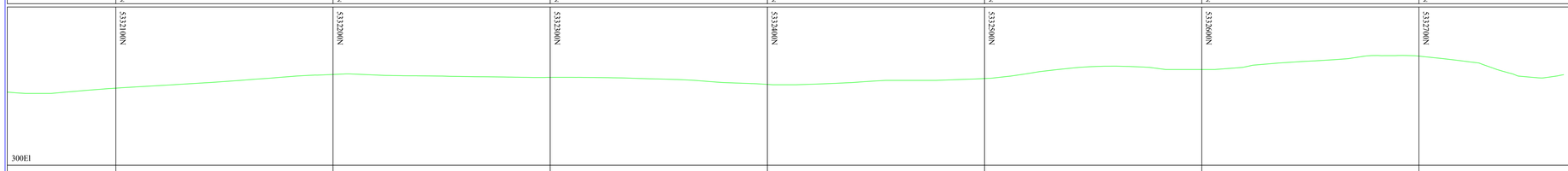
5331100N
5331200N
5331300N
5331400N
5331500N
5331600N
5331700N
5331800N
5331900N
5332000N

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3200E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

5331800N	5331900N	5332000N	5332100N	5332200N	5332300N	5332400N	5332500N	5332600N	5332700N	5332800N	5332900N	5333000N	
583225E													583225E
583250E													583250E
583275E						MU14_90	MU14_90						583275E
	5331800N	5331900N	5332000N	5332100N	5332200N	5332300N	5332400N	5332500N	5332600N	5332700N	5332800N	5332900N	5333000N



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3250E
Looking West

SCALE 1:	1000			A2	
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes		
		CHECKED			
DATE	22-Apr-15	APPROVED			

583275E 5331100N 5331500N 5331900N 5332300N 5332700N 5333100N 5333500N 5333900N 5334300N 583275E

583300E 583300E

583325E 583325E

5331100N 5331500N 5331900N 5332300N 5332700N 5333100N 5333500N 5333900N 5334300N

MU14_90

MU14_90

300EI 300EI

200EI 200EI

100EI 100EI

MU14_90
V4_Main
V4_PotFG
360
V4_Main
V4_PotFG
TP_PotFG
V4_PotFG
TL_Main
MU14_90

0EI 0EI

-100EI -100EI

-200EI -200EI

-300EI

5331100N 5331500N 5331900N 5332300N 5332700N 5333100N 5333500N 5333900N 5334300N

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3300E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

583325E 5312600N 5312800N 5313000N 5313200N 5313400N 5313600N 5313800N 5314000N 5314200N 583325E

583350E 583350E

583375E MU14_90 MU14_90 583375E

5312600N 5312800N 5313000N 5313200N 5313400N 5313600N 5313800N 5314000N 5314200N 5314400N

300El 300El

200El 200El

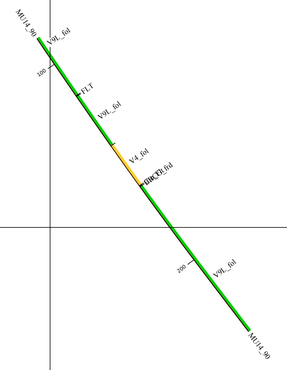
100El 100El

0El 0El

-100El -100El

-200El -200El

-300El 5312600N 5312800N 5313000N 5313200N 5313400N 5313600N 5313800N 5314000N 5314200N 5314400N



Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3350E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3400E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	22-Apr-15	APPROVED		

583425E

583450E

583475E

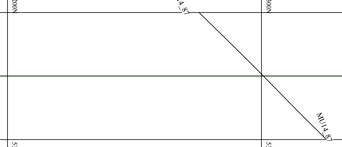
5312600N

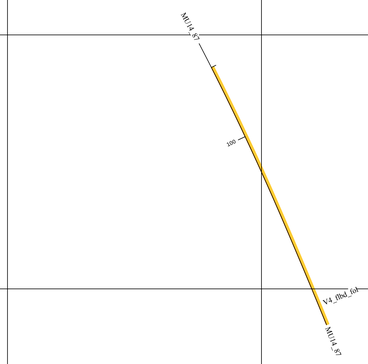
5312700N

5312800N

5312900N

5313000N





300El

200El

100El

0El

-100El

-200El

-300El

5312600N

5312700N

5312800N

5312900N

5313000N

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3450E
Looking West

SCALE 1:	1000			A2
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	
		CHECKED		
DATE	22-Apr-15	APPROVED		

583475E

583500E

583525E

5332100N

5332300N

5332400N

5332500N

5332600N

5332700N

5332800N

5332900N

5333000N

M1114_97

M1114_97

300El

200El

100El

0El

-100El

-200El

-300El

M1114_97

200

100

M1114_97

Canadian Malartic Corp.

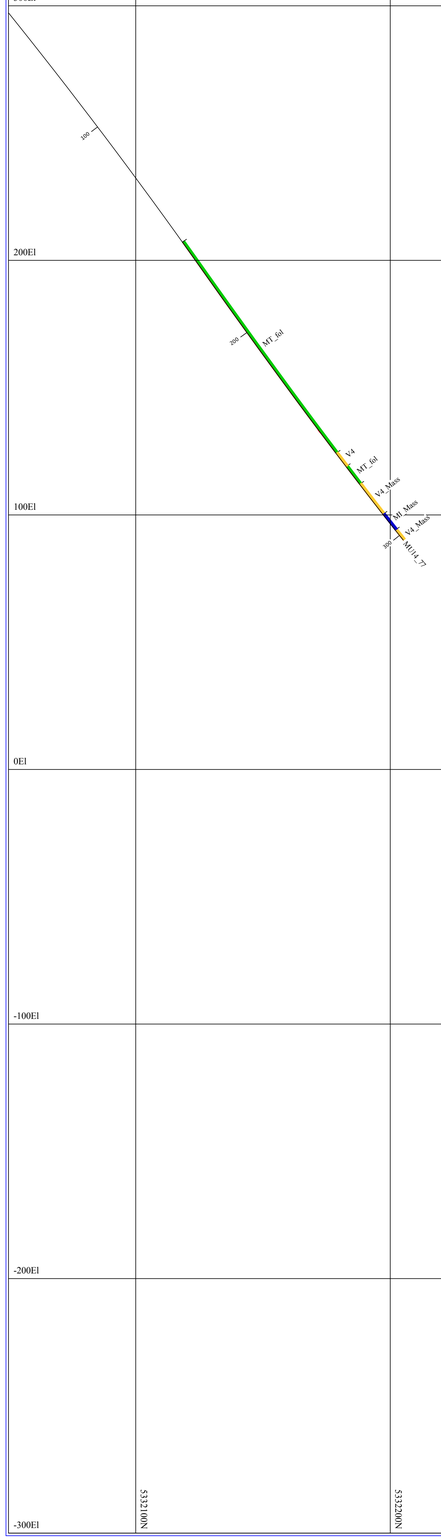
CDN Kirkland Property
DDH Section 3500E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3550E
Looking West

SCALE 1:	1000			
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes	A2
		CHECKED		
DATE	22-Apr-15	APPROVED		

583575E
583600E
583625E
5321800N
5321900N
5322000N
5322100N
5322200N
5322300N
5322400N
5322500N
5322600N
5322700N
5322800N
5322900N
5323000N
300El
200El
100El
0El
-100El
-200El
-300El
100
200
MT_fol
V4
MT_fol
V4_Mass
MI_Mass
V4_Mass
300
MO14-77


Canadian Malartic Corp.

CDN Kirkland Property
DDH Section 3600E
Looking West

SCALE 1:	1000			A2	
Assay Histograms : 1m = 1g/t		DRAWN	C. Skanes		
		CHECKED			
DATE	22-Apr-15	APPROVED			