REPORT OF THE
2009 and 2010 DIAMOND DRILLING
ON THE
LANGMUIR PROPERTY
PORCUPINE MINING DIVISION,
NORTHEASTERN ONTARIO
of

ROGUE
RESOURCES INC.

NTS: 42 A 6/7
February 1, 2011

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SUMMARY

The Langmuir Property, held by Rogue Resources formerly known as Golden Chalice Resources Inc., is situated 30 km southwest of Timmins, Ontario. It is comprised of 74 contiguous unpatented mining claims (13,841 hectares) located along the east side of Nighthawk Lake and southern portions of Eldorado and Langmuir Townships.

In 2009, Golden Chalice Resources Inc. conducted a small diamond drilling consisting of 11 drill holes (3,939 m) focusing on the eastern side of the W4 nickel deposit. The object of the program was to test a few VTEM conductors and a strong MMI nickel anomaly in order to discover new nickel mineralization and thus validate Golden Chalice Resources theory of a Kambalda camp setting on the Langmuir Property. The first hole of the 2009 drilling program testing the W2 conductor intersected 3.34% Ni over 0.9 metres, this interval included a 20-cm massive sulphide section grading 11.35% nickel, 0.6% copper and 1.46 g/t combined platinum/palladium, about 1.5 km east of the Langmuir W4 deposit . A geophysical (borehole time domain electromagnetic) survey done down the hole identified a significant nearby off-hole electromagnetic (EM) response. A step out hole later in the program targeted the borehole EM anomaly and returned 1.72% nickel over 3.0 metres within a broader mineralized channel flow grading 0.55% nickel over 20.10 metres. The nickel mineralization was found approximately 25 metres east and up-dip of the first intersection at a vertical depth of approximately 300 metres. It is open in all directions. The mineralization occurs within a peridotite channel flow horizon and consists of blebby, patchy and fracture-filled pyrrhotite and pentlandite, consistent with Kambalda-style nickel mineralization.

The 2009 drilling also discovered significant elevated nickel mineralization grading up to 0.34% Nickel over 2.4 metres in a third area (W3). This intercept included 0.5% Nickel over 0.7 metres. It occurs approximately 500 metres east of the Langmuir W4 nickel deposit and 100 metres west of an earlier drill hole GCL08-04 which intersected 0.23% nickel over a drilled width of 4.0 metres.

As a result of the success of the 2009 diamond drilling program at the W2 nickel discovery area, a follow-up drilling program was conducted in 2010. This consisted of five holes totaling 1,645 m. It intersected the W2 nickel zone in holes GCL10-03 returning 0.64 % Ni over 2 m and in hole GCL10-02W returning 0.66% Ni over 0.6 m. The other 2010 holes intersected the host stratigraphy but did not return significant nickel values. The W2 nickel zone remains open with depth below the 325 m vertical depth.

Further exploration work is recommended along strike of the Rogue Resources Langmuir W4b deposit particularly in the W2 and W3 nickel discovery areas, in order to locate an additional nickel deposit.

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INTRODUCTION

The Langmuir Property is comprised of 74 contiguous unpatented mining claims (851 units) covering approximately 13,841 hectares in Blackstock, Carman, Cody, Eldorado, Fallon, Langmuir, Macklem and Thomas Townships. The property is held 100% by Golden Chalice Resources.

This report describes the 2009 and 2010 diamond drilling program on the Langmuir Property. The 2009 diamond drilling program was carried out from February 1 to May 15, 2009. The 2010 diamond drilling program was carried out from March 1, 2010 to April 30, 2010. The drilling programs occurred west of the Nighthawk River, in southern Langmuir Township.

The drilling program was co-ordinated and supervised by the author. Drill core logging was carried out by G Sparling of Timmins, Ontario and Jillian Craig of New Brunswick. The field technical tasks associated with the drilling program were conducted by D. Bryant, D. Sebasta and D. Larsen of Timmins Ontario.

LOCATION AND ACCESS

The property is situated in Langmuir Township, Porcupine Mining Division, Northeastern Ontario. The centre of the property is approximately 30 km southeast of Timmins (Figure 1). It covers the eastern margin of Nighthawk Lake in Carman and Langmuir Townships and the southern portions of Langmuir and Eldorado Townships. The latitude and longitude of the property is approximately 48 20'N and 80 02' W.

The property is accessed by motor vehicle south from the village of South Porcupine via a forest access road known as Stringers Road. This road cuts through the central western portion of the property. At approximately thirty kilometers southeast of Timmins, on the Stringers Road, a drill trail (all-terrain vehicle/snowmobile accessible) branches off northeastward to the drilling areas. It is approximately 4.3 kilometers along these drill trails that the W2 nickel discovery area is reached.

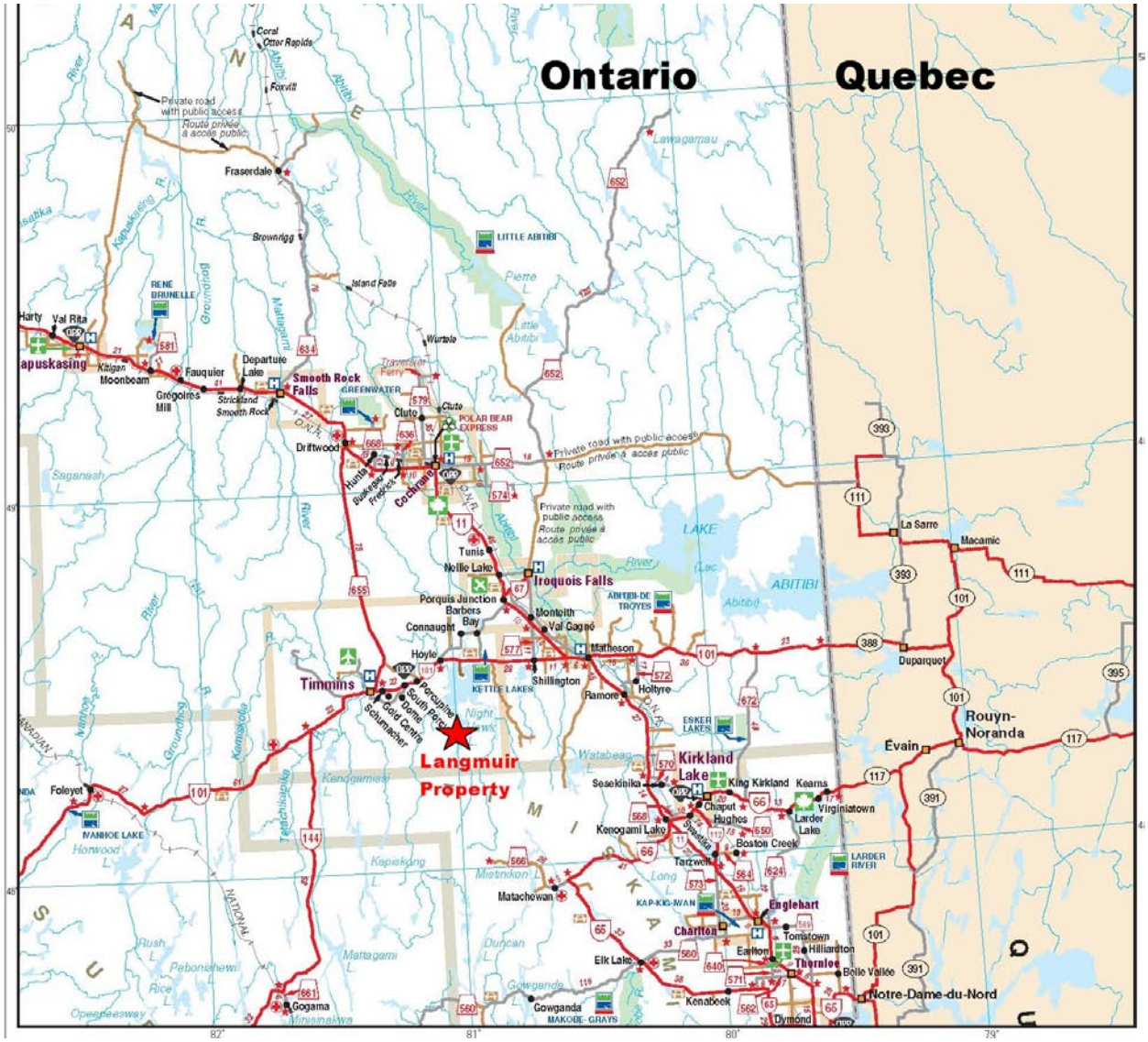

Figure 1 Location Map

ROGUE RESOURCES INC.

PROPERTY DESCRIPTION

The Langmuir Property is comprised of 74 unpatented mining claims (861 claim units) in Blackstock, Carman, Cody, Eldorado, Fallon, Langmuir, Macklem and Thomas Townships. It is approximately 13,841 hectares in size and owned 100% by Golden Chalice Resources (Figure 2).

Table 1 Langmuir Property Claim Listing

Twp	Claim	Rec Date	Due Date	Work req	No. units	Size
BLACKSTOCK	4201285	2005-Nov-01	2011-Nov-01	$3,200	8	129.36
BLACKSTOCK	4201286	2005-Nov-01	2011-Nov-01	$6,400	16	258.72
BLACKSTOCK	4201287	2005-Nov-01	2011-Nov-01	$6,400	16	258.72
BLACKSTOCK	4201288	2005-Nov-01	2011-Nov-01	$6,400	16	258.72
BLACKSTOCK	4220195	2007-May-22	2012-May-22	$6,400	16	258.72
BLACKSTOCK	4220196	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220198	2007-Jun-12	2012-Jun-12	$800	2	32.34
CARMAN	4220201	2007-May-22	2012-May-22	$4,400	11	177.87
CARMAN	4220204	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220205	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220206	2007-May-22	2012-May-22	$6,000	15	242.55
CARMAN	4220207	2007-May-22	2012-May-22	$4,800	12	194.04
CARMAN	4220208	2007-May-22	2012-May-22	$5,600	14	226.38
CARMAN	4220209	2007-May-22	2012-May-22	$4,800	12	194.04
CARMAN	4220211	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220212	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220213	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220214	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220215	2007-May-22	2012-May-22	$6,400	16	258.72
CARMAN	4220216	2007-May-22	2012-May-22	$6,400	16	258.72
ELDORADO	4201267	2006-Feb-15	2012-Feb-15	$6,400	16	258.72
ELDORADO	4201268	2006-Feb-15	2012-Feb-15	$6,400	16	258.72
ELDORADO	4201269	2006-Feb-15	2012-Feb-15	$6,400	16	258.72
ELDORADO	4201270	2006-Feb-15	2012-Feb-15	$2,400	6	97.02
ELDORADO	4201271	2006-Feb-15	2012-Feb-15	$6,000	15	242.55
ELDORADO	4201274	2006-Feb-15	2012-Feb-15	$6,400	16	258.72
ELDORADO	4201275	2005-Nov-01	2011-Nov-01	$6,400	16	258.72
FALLON	4201280	2005-Nov-01	2011-Nov-01	$1,600	4	64.68
LANGMUIR	3013180	2005-Jul-18	2012-Jul-18	$400	1	16.17
LANGMUIR	3013181	2005-Jul-18	2012-Jul-18	$400	1	16.17
LANGMUIR	3013182	2005-Jul-18	2012-Jul-18	$6,400	16	258.72

LANGMUIR	3013183	2005-Jul-18	2012-Jul-18	$6,400	16	258.72
LANGMUIR	3013184	2005-Jul-18	2012-Jul-18	$4,800	12	194.04
LANGMUIR	3013185	2005-Jul-18	2012-Jul-18	$6,400	16	258.72
LANGMUIR	3015576	2005-Jul-18	2012-Jul-18	$2,000	5	80.85
LANGMUIR	3017517	2004-May-03	2012-May-03	$1,600	4	64.68
LANGMUIR	3017518	2004-May-03	2012-May-03	$4,400	11	177.87
LANGMUIR	3018143	2005-Jul-18	2012-Jul-18	$5,200	13	210.21
LANGMUIR	4201276	2005-Nov-01	2011-Nov-01	$6,400	16	258.72
LANGMUIR	4201277	2005-Nov-01	2011-Nov-01	$4,000	10	161.7
LANGMUIR	4201278	2005-Nov-01	2011-Nov-01	$1,600	4	64.68
LANGMUIR	4201279	2005-Nov-01	2011-Nov-01	$4,000	10	161.7
LANGMUIR	4201281	2005-Nov-01	2011-Nov-01	$800	2	32.34
LANGMUIR	4201282	2005-Nov-01	2011-Nov-01	$4,000	10	161.7
LANGMUIR	4201283	2005-Nov-01	2011-Nov-01	$4,800	12	194.04
LANGMUIR	4201284	2005-Nov-01	2011-Nov-01	$4,800	12	194.04
LANGMUIR	4201289	2005-Nov-01	2011-Nov-01	$6,400	16	258.72
LANGMUIR	4201290	2005-Nov-01	2011-Nov-01	$1,600	4	64.68
LANGMUIR	4202744	2005-Jun-06	2012-Jun-06	$800	2	32.34
LANGMUIR	4202748	2005-Jul-18	2014-Jul-18	$4,400	11	177.87
LANGMUIR	4202814	2005-Jun-06	2012-Jun-06	$400	1	16.17
LANGMUIR	4202815	2005-Jun-06	2012-Jun-06	$1,600	4	64.68
LANGMUIR	4202816	2005-Jun-06	2012-Jun-06	$3,200	8	129.36
LANGMUIR	4203498	2005-Jul-18	2016-Jul-18	$3,200	8	129.36
LANGMUIR	4203563	2005-Feb-08	2012-Feb-08	$4,000	10	161.70
LANGMUIR	4203564	2005-Feb-08	2012-Feb-08	$6,000	15	242.55
LANGMUIR	4203567	2005-Feb-08	2012-Feb-08	$6,400	16	258.72
LANGMUIR	4203568	2005-Feb-08	2012-Feb-08	$3,200	8	129.36
LANGMUIR	4203569	2005-Feb-08	2012-Feb-08	$3,200	8	129.36
LANGMUIR	4203570	2005-Feb-08	2012-Feb-08	$400	1	16.17
LANGMUIR	4203571	2005-Feb-08	2012-Feb-08	$6,400	16	258.72
LANGMUIR	4207038	2005-Jul-18	2012-Jul-18	$1,600	4	64.68
LANGMUIR	4220197	2007-May-22	2012-May-22	$1,200	3	48.51
LANGMUIR	4220210	2007-May-22	2012-May-22	$4,800	12	194.04
THOMAS	4220191	2007-May-22	2012-May-22	$6,400	16	258.72
THOMAS	4220192	2007-May-22	2012-May-22	$6,400	16	258.72
THOMAS	4220193	2007-May-22	2012-May-22	$6,400	16	258.72
THOMAS	4220194	2007-May-22	2012-May-22	$6,400	16	258.72
THOMAS	4220219	2007-May-22	2012-May-22	$6,400	16	258.72
THOMAS	4220220	2007-May-22	2012-May-22	$6,400	16	258.72
CODY	4220202	2007-May-22	2012-May-22	$3,200	8	129.36

CODY	4220203	2007-May-22	2012-May-22	$6,400	16	258.72
CODY	4220217	2007-May-22	2012-May-22	$6,400	16	258.72
MACKLEM	4220218	2007-May-22	2012-May-22	$6,000	15	242.55
			TOTAL	$342,400	851	13841.52

The topography of the Langmuir Property is comprised of flat to gently rolling relief with little outcrop exposure. Vegetation consists of mixed deciduous and conifers chiefly consisting of birch, poplar, spruce and balsam. The elevation of the property is approximately 300 meters above sea level. The climate of the project area is warm and dry during the summer months from May through to September and cold and snowy from November to March. Temperatures range from +30 Celsius in the summer to -30 Celsius in the winter (Caldbick, 2007).

REGIONAL and PROPERTY GEOLOGY

The Langmuir Property lies within the southwestern part of the Abitibi Subprovince of the Archean Superior Province. The Abitibi Subprovince or "greenstone belt" is the world's largest and best preserved example of an Archean supracrustal sequence. The Abitibi Subprovince is an assemblage of volcanic, sedimentary, and intrusive rocks deformed into a roughly east-trending, 200 km wide belt exposed from the Kapuskasing structure in Ontario to the Grenville orogen in Quebec, a distance of 400 km. These supracrustal and granitoid rocks have a range of ages from 2.75 to 2.67 Ga (Jackson and Fyon, 1991). The Abitibi Subprovince, compared to all other Archean Subprovinces of the Superior Province, is uniquely well endowed with metallic mineral deposits including the mining areas of Timmins (base metals and gold) Kirkland Lake (gold), Val d'Or (gold and base metals), and Noranda (base metals and gold). These mining areas are situated along major east and northeast trending deformation zones (Destor Porcupine Deformation Zone, Cadillac-Larder Deformation Zone). These were active throughout the main periods of Archean volcanism and became the focus of a late period of alkaline volcanism and sedimentation between 2680 and 2677 Ma.

Several cycles of volcanism and sedimentation are known in the southern Abitibi Subprovince. These sequences usually begin with the deposition of ultramafic flows and intrusions and tholeiitic basalts which have interflow argillaceous sediments. The cycles then typically evolve into calc-alkaline flows, pyroclastic rocks and epiclastic sedimentary rocks deposited in marine to fluvial basins. The layered stratigraphy is intruded by gabbroic to granitic plutons during and after deformation and metamorphism. Metamorphic grade varies from greenschist to lower amphibolite facies. The basal komatiitic parts of the volcanic cycles are of most interest for nickel exploration.

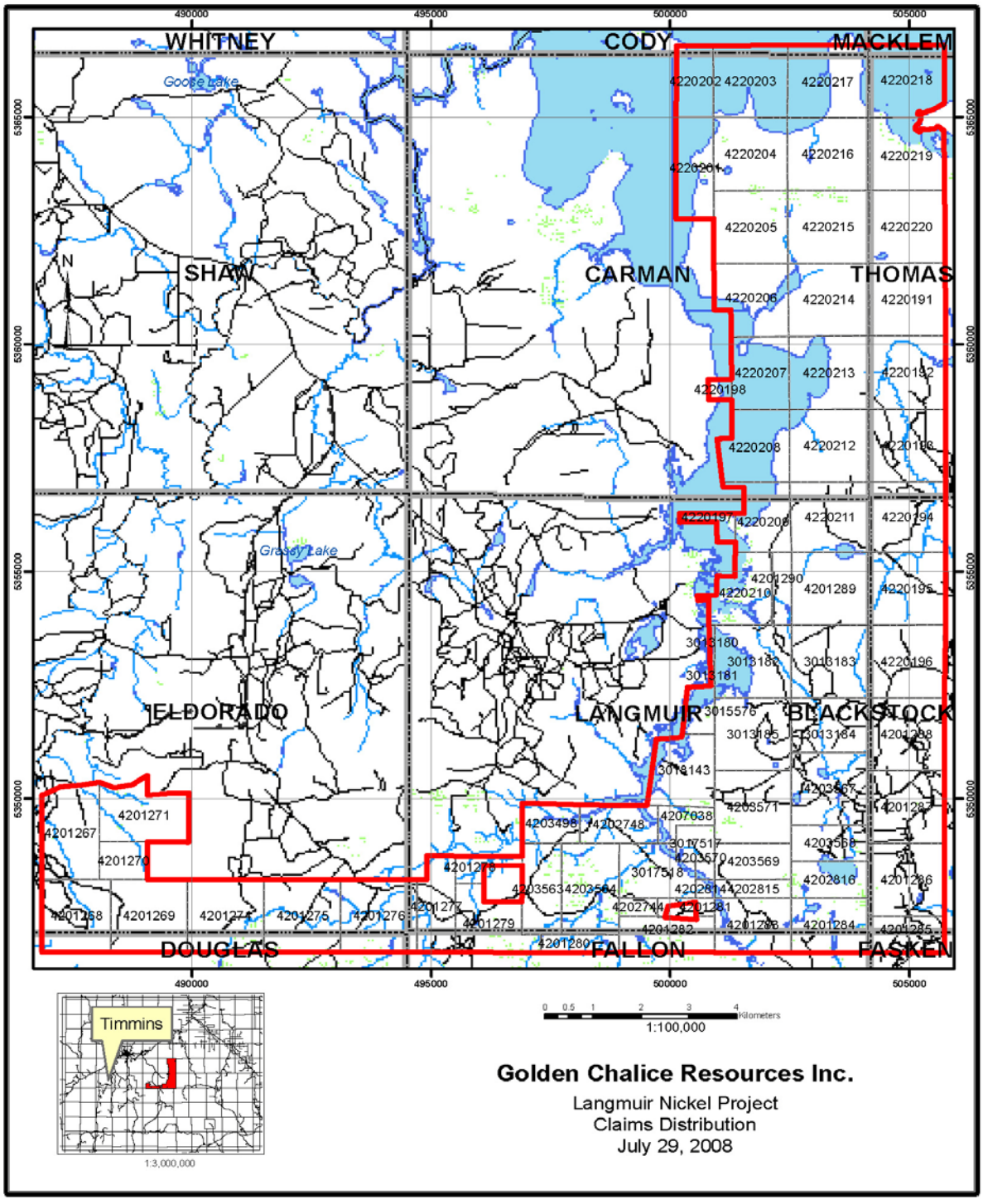

Figure 2 Claim Map

Within the Timmins mining camp, the early Precambrian metavolcanic rocks consist of two groups known as the Deloro and Tisdale Groups. The Deloro Group is older than the Tisdale Group and the two groups are separated from one another in Whitney and Tisdale townships by the Destor Porcupine fault (DPFZ). Here the Tisdale Group lies to the north of the DPFZ while the Deloro Group occurs to the south. The Deloro Group is a calc-alkaline volcanic sequence of andesite to basalt flows in the lower portion and dacite flows and felsic pyroclastic units in the upper portion. The Tisdale Group is composed of komatiitic ultramafics and basalts in the lower portion and overlain by a thick sequence of tholeiitic basalts. In the south, the northwest trending anticlinal Shaw dome folds the Deloro Group. The core of the Shaw Dome consists of calc-alkaline andesite and basalt and is in turn surrounded by calc-alkaline rhyodacitic tuff and iron formation. The southern portion of the Shaw dome is intruded by the Eldorado tonalite pluton. To the southeast of the Shaw dome, the lowermost formation of the younger Tisdale Group (komatiitic mafic and ultramafic volcanics) occurs as a belt in direct contact with the uppermost formations of the Deloro Group (Figure 3). It is this stratigraphic contact area that hosts five nickel deposits within Langmuir and Eldorado townships. Liberty Mines Inc mined two of the deposits, the Redstone deposit and the McWatters deposit, in 2009.

The Langmuir Property is predominantly underlain by the lower formations of the Tisdale Group which consist of linear sequences of mafic volcanic units or ultramafic units (Figure 4). These linear sequences trend east-west in the southern portion of Eldorado and Langmuir Township and then swing north-south along the eastern halves of Langmuir and Carman Townships. The ultramafic sequences consist of mesocumulate to adcumulate peridotite flows with distinct spinifex textured flow tops. The flow tops indicate younging to the south. Graphitic argillite units are locally present between the peridotite flows. The mafic sequences consist of massive to pillowed basalt-andesite flows. The mafic-ultramafic sequences are locally intruded by north trending Matachewan diabase dykes and north-east trending Abitibi diabase dykes. Felsic intrusive bodies also intrude the sequences with the largest being a monzonite body in the southeast corner of Langmuir Township. The volcanic stratigraphy is cross cut by a major regional northwest trending fault “Montreal River Fault”, just east of the Nighthawk River.

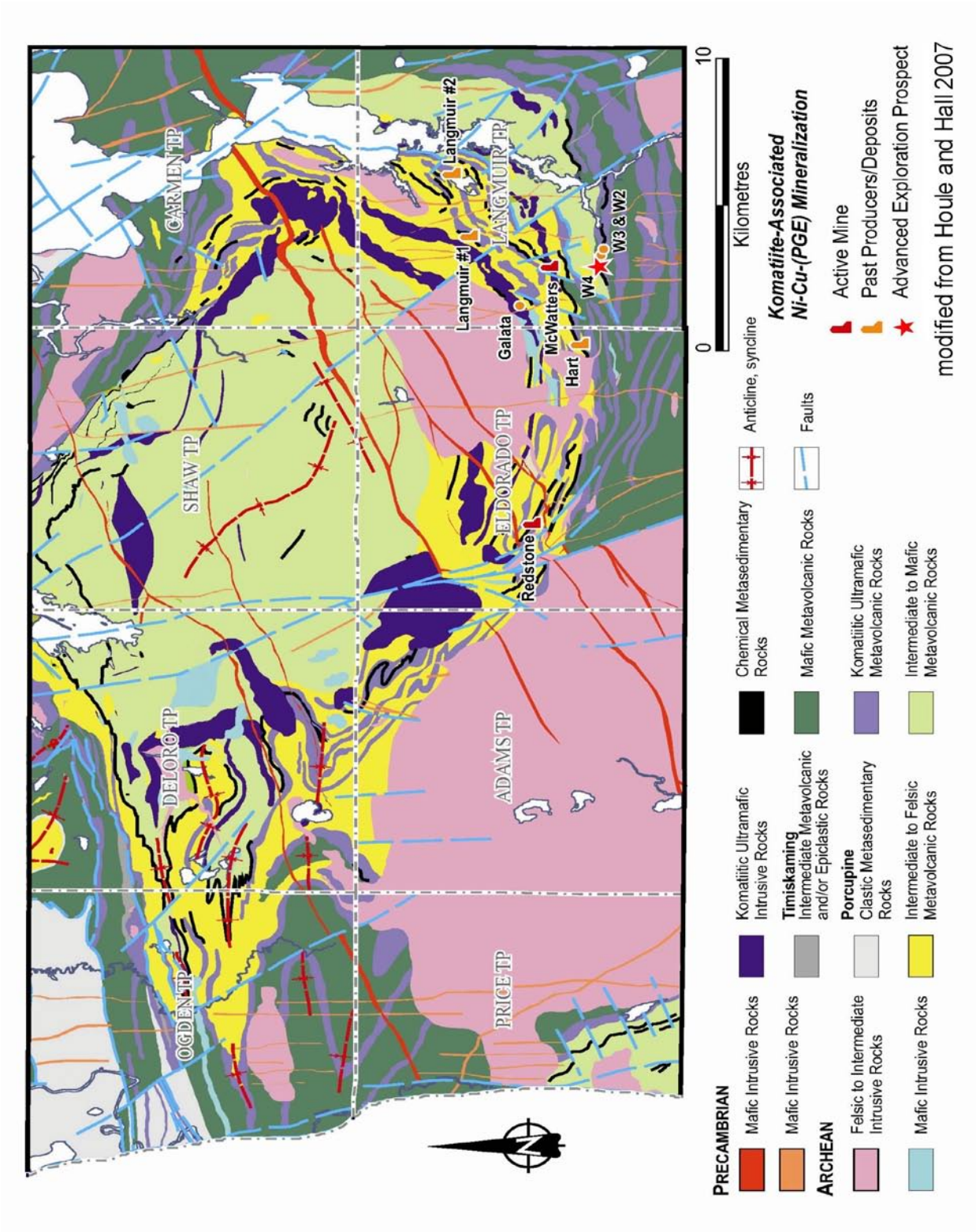

Figure 3 Southeast Timmins Regional Geology Map

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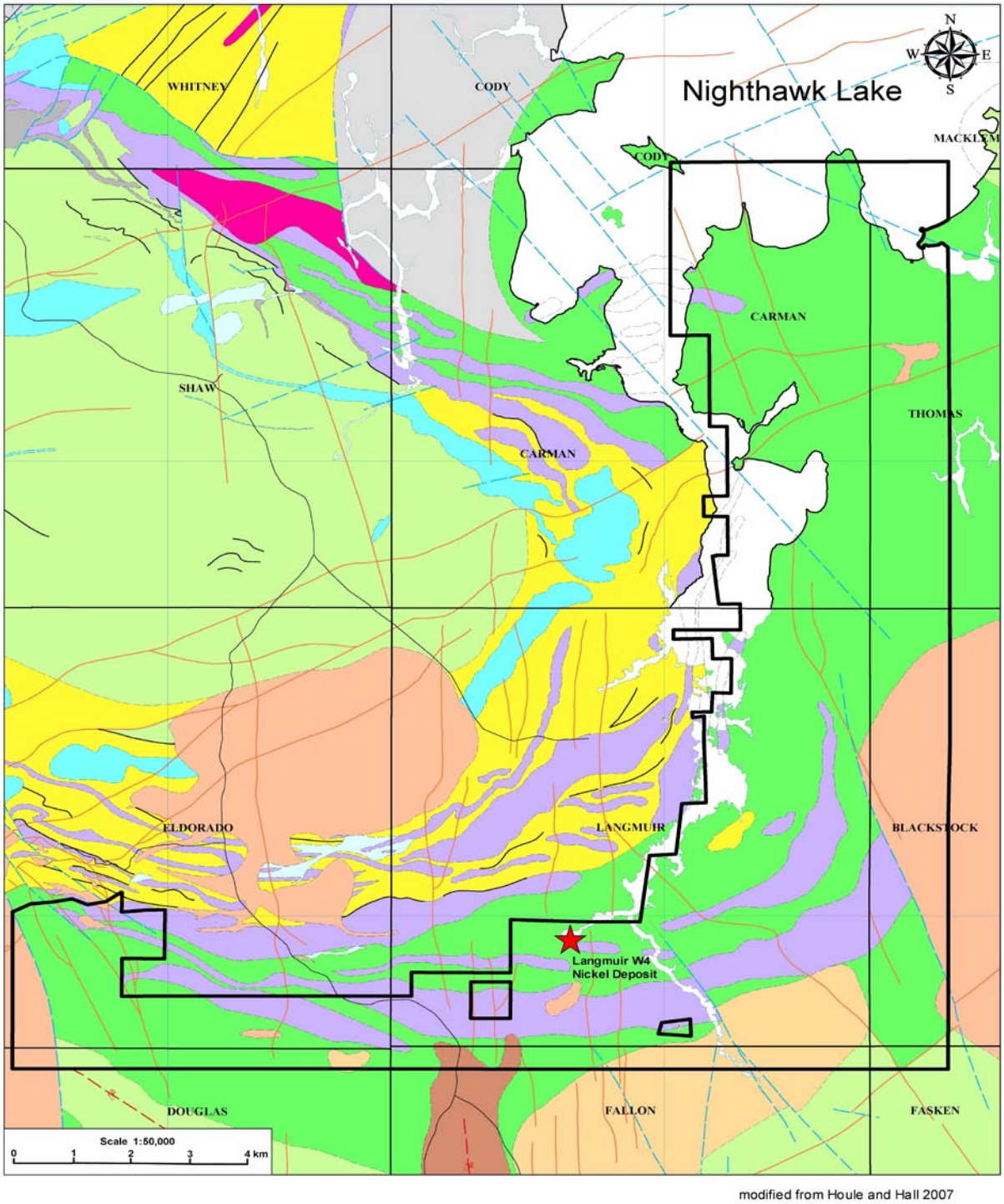

Figure 4 Langmuir Property Geology Map

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PREVIOUS EXPLORATION WORK

The Langmuir township area has received much exploration interest over the past century with more recent initiatives focused upon nickel exploration as the area is a highly prospective belt for the formation of nickel sulphide mineralization. The discovery of such nickel deposits as the Langmuir, Redstone and McWatters have further fueled increased exploration activity in the area. The amount of historical exploration activity over the past century is beyond the scope of this assessment report, however, some of the more significant past work includes substantial ground magnetometer-EM surveys and diamond drilling conducted by Noranda and its subsidiary Mining Corporation of Canada Ltd., between 1964 and 1966, the mining of the Langmuir deposit by Noranda and Inco between 1973 and 1978, airborne mag-EM surveys conducted by Mepsi Mines Ltd. and Amax Minerals in 1979 and airborne mag-EM surveys carried out in 1987 by the Ontario Geological Survey.

Golden Chalice Resources commenced exploration on the property in 2005. A ground magnetometer and HLEM survey was conducted on the property by Exploration Services Reg. during the month of March which outlined a series of prominent HLEM conductors trending east-west in the central portion of the property (Chatre, 2005). An initial short drilling program of four holes totaling 528 m was completed for assessment purposes on claim 3017518 (Caldbick, 2007). This 2005 drilling intersected ultramafic flows and sills with sulphidic interflow sediments that was anomalous in nickel. The anomalous nickel in the sediments represented a possible sulphur source for Kambalda style nickel mineralization in the ultramafic flow statigraphy on the property. As a result of this encouragement, a detailed (75 meter flight line spacing) VTEM airborne survey was flown by Geotech Limited over the eastern part of the Langmuir property (Orta, 2005). Processing of the EM data in early 2006 identified 18 separate airborne EM anomalies clusters as potential sulphide targets. These clusters consisting of two or more flight line EM anomalies are largely covered by overburden or swamp. Ground magnetic surveys were conducted over five airborne magnetic targets as well as VLF-EM surveys over two of the five targets (Ploeger, 2006).

In 2007, a first phase of drilling designed to test the VTEM clusters was conducted. This first phase diamond drilling program consisted of eight holes totalling 2,374 metres and was completed from March 10 to May 28, 2007. The drilling program tested eight of the 18 outlined airborne VTEM anomaly clusters. Four of the VTEM conductors were the result of graphitic sediments and the fifth was likely due to a fault zone containing conductive fault gouge. The geological cause of the other three VTEM conductors was not explained by the diamond drilling (Montgomery, 2008).

On May 6, 2007 Golden Chalice Resources Inc. announced a new nickel discovery on their Langmuir Property. This nickel discovery is the first significant nickel discovery in the Timmins mining camp in over 30 years. Drill hole GCL07-06 returned 1.14% Nickel over 72.50 metres, including two separate heavily mineralized intervals of 2.23% Nickel (Ni),

0.22% Copper (Cu), 0.20 g/t Platinum (Pt), and 0.50 g/t Palladium (Pd) over 17.50 metres of drill core, and 1.74 % Ni, 0.12% Cu, 0.20 g/t Pt, and 0.47 g/t Pd over 13.10 metres of drill core. This discovery resulted in a significant diamond drilling program of 37 drill holes totalling 16,262 m on claim 4203498 of the Langmuir Property, in 2007and January 2008 (Montgomery, 2008c).

A winter diamond drilling program, consisting of twenty holes totalling 6,938 metres, was completed on the Langmuir Property from January 10 to April 15, 2008. The purpose of this drilling program was to test ten airborne VTEM clusters on the eastern portion of the Langmuir Property (Montgomery, 2009). The geological cause of two of the ten selected VTEM conductors was not explained by the diamond drilling. The other eight were the result of graphitic argillite units within peridotite flows and a semi-massive pyrite zone in andesite volcanics. Analytical results from drill core sampling returned for the most part background metal values (Au, Pt, Pd, Ag, Cu, Ni, Zn and Pb).

During the spring and summer of 2008, geophysical VTEM targets immediately west of the W4 nickel deposit and to the south on claim 3017518, were tested by a 13 hole diamond drill program totalling 6,120 m. The diamond drilling, west of the W4 nickel deposit, intersected favourable peridotite flows similar to the W4 deposit flows but assays returned no significant metal values (Au, Pt, Pd, Ag, Cu, Ni, Zn and Pb). In the south area (claim 3017518) commonly referred as W6 (Figure 5), favourable peridotite flows for hosting nickel mineralization were cut by the drilling and an anomalous nickel section of 0.2% Ni over 6.3 m was returned. In the fall of 2008, an MMI soil survey was conducted from the eastern side of the W4 deposit area to the Nighthawk River (Figure 5). This was done after an 2007 MMI soil orientation survey over the A zone of the W4 nickel deposit indicated a strong nickel MMI anomaly immediately south of the zone. The 2008 survey outlined a strong MMI nickel anomaly adjacent to the W2 VTEM conductor cluster

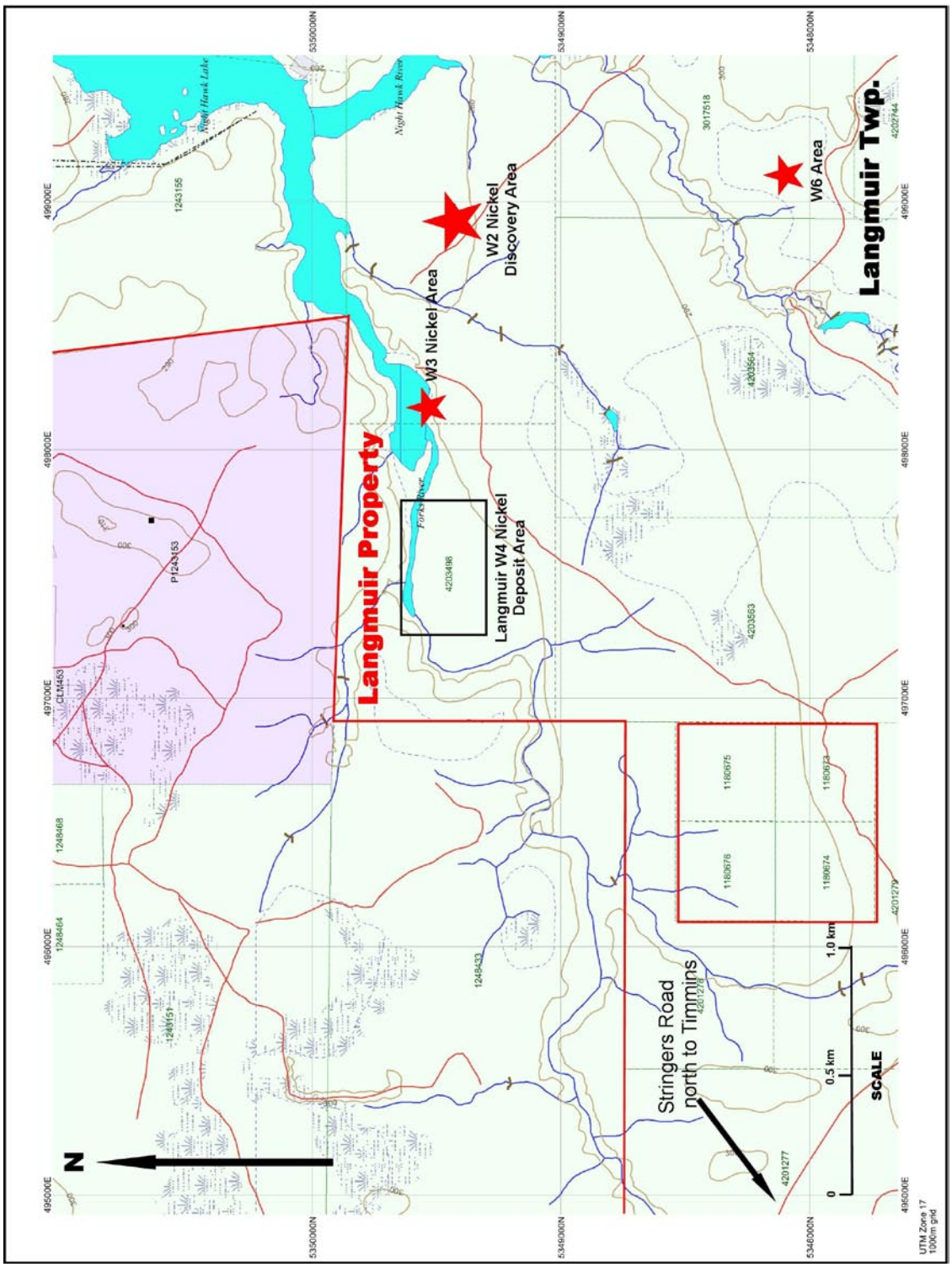

Figure 5 Location Map of Drilling Areas.

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CORE DRILLING

In 2009, Golden Chalice Resources Inc. conducted a small diamond drilling consisting of 11 drill holes (3,939 m) focusing oneast and southeast of the W4 nickel deposit (Table 2). The object of the program was to test a few VTEM conductors and a strong MMI nickel anomaly in order to discover new nickel mineralization and thus validate Golden Chalice Resources theory of a Kambalda camp setting on the Langmuir Property. The 2009 diamond drilling program employed one diamond drill rig provided by Norex Drilling of Timmins.

Table 2 2009 Drill Hole Summary Langmuir Property

HOLE	EASTING	NORTHING	ELV	LENGTH	Azimuth	DIP
GCL09-01	499099.03	5349182.93	284.15	434	323D52'	-58.4
GCL09-02	500119.69	5348113.78	285.58	351	327D20'	-54.3
GCL09-03	499559.82	5348151.29	298.48	402	333D17'	-54.9
GCL09-04	499519.37	5348215.42	295.27	252	13D34'	-44.0
GCL09-05	498846.89	5349348.14	285.74	399	1.7	-70.0
GCL09-06	498846.84	5349348.65	285.75	285	2	-44.1
GCL09-07	499029.89	5349226.59	284.41	342	3.5	-55.0
GCL09-08	499724	5349383	285	352	325	-65.0
GCL09-09	498842.29	5348991.86	285.28	251	3.9	-52.3
GCL09-10	499007.75	5349247.41	284.32	377	356.3	-64.9
GCL09-11	497971	5349428	285	494	325	-68
			TOTAL	**3939**		

A total of three drill holes (GCL09-01, 07 and 10) were drilled in the W2 VTEM anomaly cluster 1.5 km east of the W4 nickel deposit. This amounted to 1,153 m of the program. Two holes (GCL09-05 and 6) tested a strong nickel MMI soil anomaly, 150 m northwest of the W2 VTEM anomaly. One hole GCL09-09 tested a moderate nickel MMI anomaly approximately 300m southwest of the collar of GCL09-01.

Three holes (GCL09-02, 3, 4) were drilled in the W6 VTEM target area that is situated 1 km southeast of W2 on a separate sequence of perridotite flows. Hole GCL09-08 tested the western portion of the W1 VTEM conductor cluster (700 m east of W2) and intersected graphitic argillite within peridotite flows. The final hole GCL09-11 of the drill program tested the western edge of the W3 VTEM conductor cluster, approximately 500 m east of the Langmuir W4 nickle deposit.

In 2010, a five hole follow-up drill program, totaling 1,645 metres, was completed by Golden Chalice Resources Inc. in the W2 nickel discovery area. This program was designed to test for an extension of the nickel mineralization discovered in the 2009 drilling program. It employed one diamond drill rig provided by Bradley Bros. Drilling of Timmins.

Table 3 2010 Drill Hole Summary Langmuir Property

HOLE	EASTING	NORTHING	ELV	LENGTH	Azimuth	DIP
GCL10-01W	498996.53	5349276.03	282.34	351	0	-63.8
GCL10-02W	498998.13	5349217.52	283.68	308	0	-65.0
GCL10-03	498945.51	5349239.70	284.17	350	1	-63.7
GCL10-04	499007.40	5349237.68	284.48	361	2.7	-66.8
GCL10-05	499009.61	5349307.57	283.38	275	354	-59.3
			TOTAL	**1645**		

Detail drill logs for each hole from the 2009 and 2010 drill programs are found in Appendix A.

Sections for these holes are found in the map pockets at the back of this report.

The drill core from the 2009 and 2010 drilling programs is currently stored at the Hastings Management Core Storage Facility located on Highway 629 (Airport Road), in Timmins, Ontario.

CORE SAMPLING AND ANALYSIS

At the drill site, core was placed in wooden tray boxes along with 'marker blocks" indicating measured distances down the drill hole from the collar by the drill contractor's personnel. During the drilling programs, the core was collected by exploration technicians at the drill sites or the drill access trail every drilling day and moved to a secure logging facility. The secure logging facility was the Hastings Management office/core facility at 571 Moneta Avenue, Timmins Ontario.

At the facility, the length of drill core recovered was compared to the position of depth markers in the core boxes by a geological technician in order to check for misplaced markers and to calculate the amount of core loss, if any. The core was logged and sampled by either of the following geologists George Sparling and Jillian Craig. Geological descriptions of the core and sampling intervals with corresponding identifier numbers were entered onto a "diamond drill log record" installed on a labtop computer. Sampling of the core was based on visual observations of sulphide mineralization and samples were collected within lithologically homogeneous intervals with due regard for varying mineralogy and textures. Sample intervals did not cross geological boundaries. In general the sample length within mineralized zones was on the order of 0.5 to 1.0 meter or less.

The NQ core selected for sampling was sawn in half and a half bagged with the first part of a three-part assay tag bearing a unique identifier number. The other half of the core was stored at the logging facility with the second part of the three part assay tag bearing an identical unique identifier number placed in the core box at the beginning of the sample

interval. Records of the sampled intervals and sample numbers were recorded in the computerized drill logs, and on the third part of a three part assay tag bearing an identical identifier number as the other two parts of the assay tag. The third part of the assay tag was kept with the geologist's records.

Security of samples prior to dispatch to the analytical laboratory was maintained by limiting access of un-authorized persons to the secure core handling facilityThe drill core sampler completed an assay requisition sheet describing the sample numbers, and requested assay and preparation procedures for inclusion with each batch of samples shipped to the laboratory. . Labeled samples packed in sealed bags robust enough to survive the journey to the assay laboratory also provide sample integrity. For the 2009 and 2010 drilling programs, core samples were shipped directly by Manitoulin transport truck to the assay laboratory.

Sample preparation and assaying was contracted to Laboratoire Expert Inc. of Rouyn-Noranda, Quebec. Each sample was logged in at Laboratoire Expert Inc using "bar codes." Samples were dried prior to crushing the entire sample to 90% passing a -10 mesh screen. From the crushed coarse reject a sub-sample of approximately 300 grams was collected using a Jones riffle splitter. This 300 gram portion was completely pulverized to 90% passing a -200 mesh screen in a ring and puck pulverizer. A 0.5 g aliquot was collected, from each pulp.

All drill core samples from the Langmuir Property were analyzed for nickel, copper, cobalt, lead, and zinc by aqua regia digestion followed by atomic absorption analyses. The detection limit was 2 ppm for each element. If the nickel, copper or cobalt result was over 5,000 ppm then the pulp was re-analyzed by total digestion followed by atomic absorption analyses. The concentrations are reported as a percent and the detection limit is 0.01% for Ni and Cu with the total digestion method. All the drill core samples were also analyzed for gold, platinum and palladium by lead fire assay atomic absorption finish on a 30 gram sample pulp. The detection limit for the lead fire assay atomic absorption method is 2 ppb for Au, 5 ppb for Pt and 4 ppb for Pd. If the sample result was greater than 1,000 ppb for any element then the sample pulp was re-analyzed by using a lead fire assay collector and a gravimetric finish. The concentrations were reported as grams per tonne.

Golden Chalice Resources employed a rigorous external *QA/QC* program for the Langmuir Property drilling programs. Five nickel standards were inserted as checks on the accuracy of the assaying conducted by Laboratoire Expert Inc.

A standard pulp was inserted every 50th drill core sample (sample numbers ending in "-25 and -75") sent to the laboratory. The five nickel standards range from a high nickel standard of 1.9 % Ni to a low standard of 2650 ppm Ni and were obtained from WCM Minerals of Vancouver, Canada. They represent well the range of nickel grades found on the Langmuir Property.

Table 4 Langmuir Drilling Program
Sample Standards

Std No.	Ni %	Cu %	Co%
Nickel 111	0.42	0.24	0.018
Nickel 112	0.61	0.30	0.040
Nickel 113	1.24	0.25	0.030
Nickel 115	1.90	0.17	0.059
Nickel 117	0.26	0.34	0.009

The external quality assurance program also consisted of inserting blank samples to detect any possible laboratory contamination. A sterile crushed marble sample was inserted every 50th drill core sample (sample numbers ending in "-00 and -50") sent to the laboratory

Laboratoire Expert Inc. has an internal check analysis procedure which includes a repeat pulp analysis every 12th sample for every element analyzed. Each sample shipment batch (certificate of analysis) included a standard for the nickel, copper, and cobalt analysis. Each furnace batch of 28 samples analyzed for gold, platinum and palladium included a reagent blank and a standard sample.

Laboratoire Expert Inc. returned the drill core sample pulps and rejects to the company. The returned pulps and rejects are currently securely stored at the Hastings Management core storage facility in Timmins, Ontario.

Complete analytical results are listed on the certificates of analysis in Appendix B.

CONCLUSION AND RECOMMENDATIONS

The 2009 winter diamond drilling program on the Langmuir Property successfully discovered a second significant nickel mineralized area (W2) and a possible third nickel area (W3).

The first hole of the 2009 drill program GCL09-01 intersected **3.34% nickel (Ni) over 0.9 meters** from 373.50 to 374.40 meters. This interval included a 20-cm massive sulphide section grading **11.35% nickel, 0.6% copper and 1.46 g/t combined platinum/palladium**. This intersected nickel mineralization occurs approximately 300 metres vertically below surface within a komatiitic peridotite flow. While the intersected sulphide zone is narrow, it is similar in style to the nickel mineralization occurring at the Langmuir W4 nickel deposit. This was the first new nickel discovery on strike with the deposit. The results also validate the theory of a Kambalda-type district with potential for multiple nickel deposits over a relatively small area of the large Langmuir Property. A borehole TEM survey was conducted by Quantec Geoscience Consulting on hole GCL09-01 and an off hole EM conductor detected to the east and along strike of the new nickel zone (Coulson, 2009).

The GCL09-01 off hole response was also tested 60 meters to the east, by hole 7 which intersected similar peridotite flows as GCL09-01 but did not encounter significant values. The third hole GCL09-10, completed in the W2 Discovery area, returned 1.72% nickel over 3.0 meters from 303.50 to 306.50 meters within a broader mineralized channel flow grading 0.55% nickel over 20.10 meters from 287.30 to 307.40 meters. This mineralization was found approximately 25 meters east and up-dip of the GCL09-01 nickel intersection grading 3.34% nickel over 0.9 meters. The nickel mineralization within the W2 channel flow horizon consists of blebby, patchy and fracture-filled pyrrhotite and pentlandite, consistent with Kambalda-style nickel mineralization.

Three holes (GCL09-2, 3, 4) were drilled in the W6 VTEM target area that is situated 1 km southeast of GCL09-01 on a separate sequence of peridotite flows. No significant nickel values were returned and the VTEM conductors were graphitic argillite units.

Hole GCL09-08 tested the western portion of the W1 VTEM conductor cluster (700 m west of W2) and intersected graphitic argillite with no significant nickel values.

One hole GCL09-09 tested a moderate nickel MMI anomaly approximately 300m southwest of the collar of GCL09-01 and intersected peridotite flows with no significant sulphide concentrations.

Hole GCL09-11, the final drill hole of the 2009 drilling program, discovered significant elevated nickel mineralization grading up to 0.34% Nickel over 2.4 meters drilled width, from 372.50 to 374.90 meters. This intercept includes 0.5% Nickel over 0.7 meters. The nickel discovery occurs approximately 500 meters east of the Langmuir W4 nickel deposit.

The host rock is a channel flow horizon similar to the host mineralized zone at the Langmuir W4 Nickel Deposit as well as the W2 Nickel Discovery approximately 1.5 kilometers east of W4 nickel deposit. It unclear as to whether this is a new channel flow horizon hosting nickel sulphides or is the same flow horizon hosting nickel mineralization in either the W4 or W2 discovery areas. The sulphide mineralization consists of disseminated pyrrhotite with a section of focused blebby and fracture-infilled pyrrhotite with minor pentlandite. This intercept occurs approximately 100 meters west of an earlier drill hole GCL08-04 which intersected 0.23% nickel over a drilled width of 4.0 meters.

The 2010 winter diamond drilling program was not entirely successful as it did not extend the W2 nickel zone significantly along strike and up dip. It however intersected the nickel zone in holes GCL10-03 returning 0.64 % Ni over 2 m and in hole GCL10-02W returning 0.66% Ni over 0.6 m. The other 2010 holes intersected the host stratigraphy but did not return significant nickel values. The W2 nickel zone remains open with depth below the 325 m vertical depth and requires significant deep drilling to test its possible depth extension.

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CERTIFICATE OF QUALIFICATIONS

I, J. Kevin Montgomery, of the City of Timmins, Province of Ontario, do hereby certify that:

(1) I am a professional Consulting Geologist, residing at 1190 Lozanne Crescent, Timmins Ontario, P4P 1E8.

(2) I hold a B.Sc. Honours degree in Geological Sciences (1984) from Queen's University of Kingston, Ontario and a M.Sc.(App.) in Mineral Exploration (1987) from McGill University at Montreal, Quebec.

(3) I am a registered professional geoscientist with the Association of Professional Geoscientists of Ontario. I am also a member of the Prospectors and Developers Association of Canada, and the Porcupine Prospectors and Developers Association.

(4) This report is based on my supervision of the core drilling program on the Langmuir Property in 2009 and 2010.

(5) I have no personal interest in the property covered by this report.

(6) Permission is granted for the use of this report, in whole or in part, for assessment and qualification requirements but not for advertising purposes.

Kevin Montgomery

Dated at Timmins, Ontario
This first day of February, 2011.

J. Kevin Montgomery, P.Geo., M.Sc. (App.)

APPENDIX A DRILL HOLE LOGS

APPENDIX B ASSAY CERTIFICATES

APPENDIX C SUMMARY OF EXPENDITURES

Rogue Resources
Langmuir Twp. 2009 & 2010 Drilling Programs
Porcupine Mining Division

February 1, 2009 to May 15, 2009

Senior Geologist	$ 24,885
Contract Geologists	$ 15,159
Geological Field Technicians	$ 24,531
Core Shack Rental (3.5 months)	$ 6,000
Core Drilling	$ 365,048
Exploration Supplies	$ 3,039
Drill hole surveying	$ 1,876
Transport of Samples to Lab	$ 386
Assaying	$ 10,771
Vehicle Expenditures	$ 8,400
Report Writing & Map Drafting	$ 1,836
TOTAL	**$ 461,931**

March 1, 2010 to April 30, 2010

Senior Geologist	$ 14,333
Contract Geologists	$ 10,435
Geological Field Technicians	$ 14,464
Core Shack Rental (2 months)	$ 3,000
Core Drilling	$ 90,177
Field geologist Accommodation	$ 882
Exploration Supplies	$ 310
Drill Hole surveying	$ 2,096
Transport of Samples to Lab	$ 1,815
Assaying	$ 5,541
Vehicle Expenditures	$ 6,300
Report Writing & Map Drafting	$ 1,836
TOTAL	**$ 151,189**

Distribution of Expenditures per Claim for 2009

Claim No	Hole	Length	Total drilled on claim	% of program/100	claim expenditure
4202748	**GCL09-01**	434	434		
4202748	**GCL09-05**	399	399		
4202748	**GCL09-06**	285	285		
4202748	**GCL09-07**	342	342		
4202748	**GCL09-09**	251	205		
4202748	**GCL09-10**	377	377		
4202748	**GCL09-08**	352	352		
4202748			2394	**0.60**	**277,159**
3017518	**GCL09-09**	251	46		

ROGUE RESOURCES INC.

			351			
3017518	**GCL09-02**	351				
3017518	**GCL09-03**	402	402			
3017518	**GCL09-04**	252	252			
3017518				1051	**0.27**	**124,721**
4203498	**GCL09-11**	494		494	**0.13**	**60,051**
		3939		**3939**	1	461,931

Distribution of Expenditures per Claim for 2010

Claim No	Hole	Length	Total drilled on claim	% of program/100	claim expenditure
4202748	**GCL10-01W**	351			
4202748	**GCL10-02W**	308			
4202748	**GCL10-03**	350			
4202748	**GCL10-04**	361			
4202748	**GCL10-05**	275	1,645	**100**	**151,189**
		1645		1	

Certified by: *Kevin Montgomery*

Date: *February 1, 2011*

Note: This certificate has been constructed from the Detailed Cost Accounting Ledgers of the former Golden Chalice Resources.

GCL9-1	5349183	499099	284.15	434
PRJ	"Langmuir Zone"			
PR	"Langmuir"			
CL	"4202748"			
COMM	"N/A"			
NO	"N/A"			
EA	"N/A"			
GPSE	"499099.03"			
GPSN	"5349182.93"			
GPSL	"284.15"			
ST	"February 3,2009"			
LO	"G. Sparling"			
DA	"February 5,2009"			
ME	"Metric"			
DR	"Norex"			
CS	"NQ"			
COM	"February 9,2009"			
SU	"Talbot GPS"			
GR	"Metric 2007"			
SA	"Cut Core"			
TE	"Reflex"			
AS	"PM 30g FA, BM AA"			
PU	"To test VTEM W2"			
ML	"Casing"			
CST	"Hastings Facility Timmins"			
LAB	"Expert"			
SS	"100651-100704"			
AR	"24111"			

0	323.52	**-58.4**		
65	326	-54.8		
116	327	-55		
167	323	-55.5		
218	324.1	-55.1		
269	327.3	-55.8		
320	327	-56		
371	327.6	-56.3		
	0.00	54.50	OVBN	54m of NW casing.
	54.00	54.50		Boulders.
	54.50	129.10	KPDM	Dark black to dark grayish, fine grained, locally massive, hardness of (4-5), non magnetic, locally fractured, faulted.
				Locally weakly serpentine and carbonate altered.
				2-3% 50 degrees to core axis calcite +/- quartz and or carbonate stringers from hairlike up to1cm.
				trace yellow-brown pyrite and brassy-brown pyrrhotite associated with stringers.

			RQD of 80%, REC of 90-95% +/-,fracturing occurs between 40-70 degrees to core axis with predominately green serpentine and white calcite filling/healing, localized broken core.
54.50	56.20		Fault Zone, 0% RQD, 30% REC, ruble, minor gouge,
87.10	88.10		Weathered, weakly faulted section, gouge healed, non magnetic and non conductive, Good RQD & REC 85% +/-.
89.40			15cm weathered, gouge healed core.
92.60			Speck of chalcopyrite(?) in stringer.
94.50	95.00		Darker green black section due to minor biotite alteration.
95.80	100.50		Weakly to moderately faulted, section, non conductive, RQD of 70%, 75-80% REC.
117.50	120.00		Weak shear foliation at 40-6- degrees to core axis.
			Lower contact in 20cm of broken core.
129.10	137.80	DB	
			Dark grey-green, fine to medium grained, massive, hard, Gabbroic, massive, weak to moderately magnetic, porphyritic, fractured.
			Weak pale green-grey serpentine alteration.
			0.5% randomly distributed, sub rounded, yellow-green plagioclase phenocrysts, 3mm-1cm sized.
			Weak to very localized fracturing/joints at 30-50 degrees to core axis with thin 1-3mm serpentine filling.
			Minor to approaching moderately broken core locally with overall RQD of 75%, 90%+/- REC.
			A few rare hairlike fracture controlled calcite stringers.
			Trace brownish yellow interstial pyrite.
			Lower contact at 70 degrees to core axis.
137.80	141.70	KPDB	
			Dark black-grey, fine grained, mesocumulate-adcumulate, weak brecciation, hard, non magnetic.
			Weak pistachio green serpentine alteration, which is more dominantly associated with fragments.
			Good RQD of 85%, minor section of broken core.
			Rare dull brown pyrite.
			Gradual lower contact.
141.70	154.00	KPDM	
			Dark black to grayish-green, fine grained, massive, hard, non magnetic, fractured, brecciated, locally leucoxene, borderline adcumulate.
			Very weak somewhat patchy grayish-green serpentine alteration.
			Minor fracturing between 40-60 degrees to core axis with serpentine-calcite filling.
			1-2% white-grey-green calcite +/- serpentine stringers at various angles.
			Rare local pyrite-pyrrhotite (?).
			Good RQD of 85%, minor sections of broken core.
144.50			Possible poorly developed feathery olivine spinifex texture.
			Possible poorly developed olivine spinifex texture.
			Gradual lower contact.

154.00	156.60	KOSX	
			Dark green olivine spinifex texture in dark black mesocumulate to adcumulate matrix, non magnetic, hard,
			The spinifex is somewhat poorly developed locally and is composed of chicken scratch and feathery spinifex.
			rare brownish yellow pyrite.
			Gradual lower contact.
156.60	264.90	KPDA	
			Dark black, fine grained, massive, hard, non magnetic, weak patchy pistachio green serpentine alteration.
			Minor fracturing throughout between 40-70 degrees to core axis with pistachio green-green and white serpentine and calcite healing.
			A few minor sections of broken core, RQD of 80-85% RQD.
			1-2% irregular white calcite and a few serpentine stringers locally.
			Rare to at best trace pyrite and pyrrhotite disseminations locally but for the most part associated with stringers/fractures.
172.70			30cm of dark green olivine spinifex.
174.00	177.00		Dark black adcumulate very finely disseminate pyrrhotite (?), similar to discovery area.
182.80	184.80		Broken core, 60% RQD.
190.50			20cm of poorly developed olivine spinifex.
198.80	201.10		Broken core, weak to moderately fractured.
209.00	211.40		Broken core, weak to moderately fractured, 50% RQD.
229.00	240.10		Fracture Zone, highly fractured, some of mechanical nature, fracturing low angle, minor serpentine healing, RQD 20-30%, 65-75% REC.
			50cm of broken core, 0% RQD at lower contact, no measurement taken.
264.90	289.70	DB	
			Same dyke as129.1-137.8m.
			Grey to green, fine to medium grained, massive, weakly magnetic, non conductive, hard, porphyritic, fractured. Very weak greenish serpentine alteration.
			2% 5mm-1cm sized, subrounded yellow-green plagioclase phenocrysts. 1-2% fracture controlled hairlike white calcite stringers +/- serpentine with occasional dark green black serpentine stringers.
			Weak hairline fractures throughout unit between 40-60 degrees to core axis, more moderately fractured area have minor sections of broken core. RQD 85%, 95% REC.
			Trace-0.5% dull yellow pyrite disseminated throughout matrix.
264.90	266.00		Section of moderately broken core on upper contact, 20% RQD,85-90% REC.
			Non magnetic for 5cm before lower contact, sharp lower contact at 25-30 degrees to core axis.
289.70	329.60	KPDM	

			magnetic except around dykes in the first few meters of unit, local whitish leucoxene, Weakly serpentine and very weakly carbonate altered. Minor fracturing throughout with thin calcite-serpentine filling. Rare broken core, 90% RQD. 1-2% irregular white calcite and a few serpentine stringers locally. Rare yellowish pyrite on fractures.
292.10	292.70		Diabase Dyke, same as above, contacts at 40 and 35 degrees to core axis.
293.15	293.60		Diabase Dyke, same as above, sharp contacts at 25-30 degrees to core axis, more of an elongated sliver type dyke.
295.30			22cm Diabase dykelets, contacts at 35 and 30 degrees to core axis.
295.40			20% host rock mixed in around dyke slivers, 0.5% brown-yellow pyrite associated with localized fractures, broken core on upper contact, lower contact at 45 degrees to core axis.
298.70			10cmDiabase Dyke, purple-grayish, chilled, contacts 55 degrees to core axis.
299.00			Purple -grayish, low angle sliver type dyke, 60:40% host rock: dyke, contact 20-25 degrees to core axis.
325.10	327.30		Darker green slightly more siliceous section with 0.5% brassy brown pyrrhotite and pyrite specks/dissemination associated with calcite-quartz stringers.
329.60	331.00	KOSX	Gradual lower contact.
			Not typical random olivine spinifex, could be unusual fracture pattern Fractured throughout with dark green serpentine healing. rare brownish yellow pyrite. Gradual lower contact.
331.00	336.40	KPDM	Dark grey-black, fine grained, massive, hard, non magnetic, local leucoxene, Weakly serpentine and very weakly carbonate altered. Minor fracturing at 40-60 degrees to core axis with green-dark green serpentine filling. A few green serpentine and calcite stringers. 1-2% brassy brown pyrrhotite and some yellow brown pyrite smears on fractures, some semi massive. Gradual lower contact.
336.40	338.10	KOSX	Dark black green with section of graphitic Argillite on fractures and minor sections of dark green olivine spinifex . Minor fracturing with dark black conductive graphitic argillite, Good RQD of 85%. Trace-1% at best brassy pyrrhotite +/- pentlandite and yellowish pyrite smears/blebs on and generally associated with graphitic fractures.
336.40			1.5cm oval bleb of pyrite or maybe pentlandite on fracture. Gradual lower contact.
338.10	345.30	KPDM	Dark grey-black, fine grained, massive, moderately hard, non magnetic.

			Minor serpentinization and carbonatization.
			Good RQD of 90% with minor serpentine and calcite fracture filling.
			2% irregular fracture controlled calcite +/- serpentine and carbonate.
			Trace-0.5% brassy pyrrhotite and yellowish pyrite associated with stringers and fractures.
			Gradual lower contact.
345.30	346.80	KOSX	
			Dark black-green, adcumulate, hard, non magnetic, random dark green-black olivine spinifex throughout.
			Weakly serpentine altered.
			Minor fracturing with serpentine fracture filling, RQD of 95%.
			Up to 1% finely disseminated pyrrhotite scattered throughout, some on and along fractures.
			Gradual lower contact.
346.80	373.85	KPDM	
			Dark grey-black, fine grained, massive, moderately hard, non magnetic.
			Weak pervasive carbonatization and serpentine alteration.
			Good RQD of 95% +/-, minor fracturing with serpentine-carbonate filling.
			1-3% irregular white-grey calcite +/- carbonate and serpentine. Local quartz-carbonate stringers/veinlets occur with depth.
			Trace amount of pyrrhotite-Pyrite on fractures and associated with stringers.
365.00	371.00		Patchy sections of dark black more adcumulate sections, least altered, minor broken core,75% RQD.
371.80			5cm milky white quartz-carbonate vein, contacts at 70 degrees to core axis.
373.50	373.85		Broken core, 65% RQD.
373.84			Mineralized section, single 4mm bleb of pyrrhotite +/- pentlandite seen above massive sulphide in cut core only.
373.85	374.05	MSZ	Immediately after, maybe 1-2cm is a 15cm brassy brown, fine grained, Pyrrhotite-Pentlandite-Pyrite massive sulphide, composed 96-98% pyrhotite,0.5%-1% pentlandite flecks, 2-3% yellowish brown medium to coarse pyrite specks to blebs (4mm-1.5cm, subrounded).
			15% of surface area of the massive sulphide is composed of highly weathered vugs, highly conductive, non magnetic.
			Contacts at 40 and 60 degrees to core axis.
374.05	384.70	KPDM	
			Same as 346.8-373.85m.
374.05	374.15		Broken core, 65% RQD.
378.80	379.20		Broken core, 50% RQD, local stringer with trace pyrrhotite and pyrite.

				Local orange-reddish oxidized fractures, possible Rodenbergite on fractures (?), a few lighter grayish-white sections, more serpentine-carbonate altered, possible minor sections of orthocumulate.
	380.20	384.70		Sharp lower contact of 30 degrees to core axis.
	384.70	392.30	FZ	Major Fault Zone in Komatiitic Peridotite Mesocumulate.
				Dark grayish black, highly carbonatized, non magnetic, no conductivity in gouge.
				Moderately sheared at 50-60 degrees to core axis, 25% RQD, 85% REC +/-, fracturing at 30-60 degrees to core axis with carbonate-serpentine filling.
				15% fault gouge locally.
				2-3% structurally controlled calcite +/- quartz and/or carbonate stringers.
				No visible sulphides.
				Sharp lower contact of 50 degrees to core axis.
	392.30	411.80	KPDM	Dark grey black to grey, fine grained, massive, moderately hard, non magnetic, non conductive.
				Pervasive weak carbonatization and serpentinization.
				Weak to locally moderately fractured between 50-60 degrees to core axis with minor serpentine-calcite, carbonate filling,
				Locally sheared foliated between 40-50 degrees to core axis Good RQD of 85% with minor sections of broken core, 90% REC.
				2-3% irregular structurally controlled calcite, serpentine and carbonate stringers.
				Rare brassy pyrrhotite and Pyrite associated with stringers fractures.
				Sharp lower contact at 50 degrees to core axis.
	411.80	434.00	DB	Same as previous Diabase dykes seen in hole.
				Dark grey-green-grey, medium grained, massive, hard (6-6.5), weak magnetism, non conductive, porphyritic, Gabbroic.
				Weakly serpentine altered.
				2% white yellow green plagioclase phenocrysts from 5mm to 1.5cm scattered throughout unit.
				Minor fracturing throughout between 30-50 degrees to core axis with minor dark green serpentine fracture filling.
				Good RQD of 95%.
				No stringers, rare disseminated dull brown pyrite disseminations.
	411.80	412.80		Upper fine grained, pale grey chill margin of dyke.
	434.00	434.00	EOH	

				ASSAYS	AU (PPB)	PT (PPB)	PD (PPB)	AG (PPM)
100651	174.00	175.00	1.00		13	6	11	0.3
100652	175.00	176.00	1.00		7	12	7	0.4
100653	176.00	177.00	1.00		5	8	5	0.5
100654	177.00	178.00	1.00		2.5	6	2.5	0.4

100655	323.00	324.00	1.00		2.5	7	8	0.3
100656	324.00	325.00	1.00		2.5	10	7	0.4
100657	325.00	325.80	0.80		2.5	2.5	2.5	0.5
100658	325.80	326.60	0.80		5	2.5	2.5	0.5
100659	326.60	327.30	0.70		2.5	2.5	2.5	0.5
100660	327.30	328.00	0.70		6	13	11	0.4
100661	328.00	328.80	0.80		2.5	14	13	0.4
100662	328.80	329.60	0.80		2.5	15	14	0.5
100663	329.60	330.30	0.70		2.5	10	12	0.3
100664	330.30	331.00	0.70		2.5	8	13	0.5
100665	331.00	331.90	0.90		2.5	2.5	6	0.4
100666	331.90	332.80	0.90		2.5	2.5	2.5	0.3
100667	332.80	333.70	0.90		2.5	2.5	6	0.6
100668	333.70	334.60	0.90		2.5	6	8	0.3
100669	334.60	335.50	0.90		2.5	8	10	0.5
100670	335.50	336.40	0.90		2.5	10	10	0.5
100671	336.40	337.30	0.90		5	11	10	0.4
100672	337.30	338.10	0.80		2.5	14	13	0.3
100673	338.10	339.00	0.90		2.5	8	9	0.4
100674	339.00	339.90	0.90		2.5	10	9	0.4
100675	339.90	339.90	0.00	standard	12	74	75	1
100676	339.90	340.80	0.90		2.5	11	9	0.4
100677	340.80	341.70	0.90		2.5	2.5	2.5	0.3
100678	341.70	342.60	0.90		2.5	2.5	2.5	0.3
100679	342.60	343.50	0.90		2.5	5	6	0.4
100680	343.50	344.40	0.90		2.5	7	6	0.4
100681	344.40	345.30	0.90		2.5	10	6	0.4
100682	345.30	346.10	0.80		2.5	16	11	0.3
100683	346.10	346.80	0.70		2.5	16	11	0.4
100684	346.80	347.80	1.00		2.5	9	9	0.5
100685	347.80	348.80	1.00		2.5	7	6	0.3
100686	352.80	353.80	1.00		2.5	5	6	0.4
100687	356.80	357.80	1.00		2.5	7	9	0.2
100688	368.50	369.50	1.00		2.5	7	16	0.1
100689	369.50	370.50	1.00		5	2.5	14	0.3
100690	370.50	371.50	1.00		2.5	2.5	14	0.2
100691	371.50	372.50	1.00		2.5	2.5	8	0.1
100692	372.50	373.50	1.00		2.5	8	25	0.3
100693	373.50	373.85	0.35		2.5	145	206	0.8
100694	373.85	374.05	0.20		14	798	660	6.2
100695	374.05	374.40	0.35		2.5	51	240	1.6
100696	374.40	375.40	1.00		9	2.5	10	0.4
100697	375.40	376.40	1.00		5	2.5	8	0.4
100698	376.40	377.20	0.80		2.5	2.5	5	0.3
100699	377.20	378.00	0.80		2.5	2.5	6	0.3
100700	378.00	378.00	0.00		2.5	2.5	2.5	0.2
100701	378.00	378.80	0.80		2.5	2.5	2.5	0.5
100702	378.80	379.20	0.40		2.5	8	78	0.3
100703	379.20	380.20	1.00		2.5	2.5	13	0.1
100704	380.20	381.20	1.00		7	2.5	2.5	0.3

CU (PPM)	NI (PPM)	ZN (PPM)	PB (PPM)	CO (PPM)
76	818	32	15	60
65	1265	33	17	72
55	1327	35	17	73
46	1401	34	17	71

34	436	103	11	42
29	468	109	12	45
190	104	57	12	36
141	61	52	10	34
172	67	51	14	30
31	346	60	12	46
106	201	42	9	37
156	153	45	10	38
117	161	36	10	35
53	278	51	18	51
76	861	38	13	62
101	1003	37	12	70
102	986	38	13	72
57	686	41	13	56
49	585	50	14	58
48	534	63	13	57
87	674	91	15	68
55	431	56	13	54
46	639	31	10	57
68	846	30	12	67
1819	20000	89	51	397
80	958	31	13	72
76	1137	23	9	66
51	1165	20	9	67
62	1221	28	12	74
76	1237	29	10	75
101	1021	43	12	69
70	456	46	14	59
55	352	43	13	52
49	498	32	13	61
77	860	16	9	59
76	790	29	11	60
99	664	81	15	58
128	1392	27	15	75
69	1708	36	16	90
111	1702	40	18	93
92	1160	22	16	67
96	2840	26	15	85
798	9750	36	15	201
6140	113500	12	45	1360
1193	11400	26	16	321
90	1209	20	13	59
77	989	21	12	56
120	827	17	10	57
94	812	35	13	57
65	80	21	15	13
90	978	17	12	56
149	1223	59	15	88
98	820	60	11	63
44	1069	20	11	65

Date: 12 May, 2009 | GOLDEN CHALICE RESOURCES | Page: 1 of 9

Northing: 5348114.00
Easting: 500119.70
Elevation: 285.58

Collar Azi.: 327.2
Collar Dip: -54.3

Hole length: 351.00
Units: Metric
Core size: NQ
Grid: N/A

Materials left: Casing
Collar survey: Talbot GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: February 13-19,2009
Purpose: Test VTEM W6
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
27	328.6	-53.8
78	325.3	-54.5
129	327.0	-54.1
180	331.6	-54.3
231	330.5	-54.5
282	323.0	-54.4
351	332.3	-54.3

Drill Hole: GCL9-02

Project: Langmuir Zone
Property: Langmuir
Claim: 3017518
Northing: N/A
Easting: N/A
GPS Northing: 5348113.78
GPS Easting: 500119.69
Date Started: February 10,2009
Date completed: February 18,2009
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 100705-100745
Lab report: 24138

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	18.00	OVERBURDEN 18m Of nw casing.															
18.00	89.70	KOMATIITIC PERIDOTITE MESOCUMULATE Grayish-white to black, locally brownish, fine grained, massive, bleached, hardness varies by alteration (4-5.5), locally magnetic (alteration), no conductivity. Unit is possiblely near granodiorite body (i.e. Biotization, dykelets, xenoliths). Weak calcite bleaching-alteration (grayish-white coloration, locally brown to blackish biotite alteration, minor serpentine. Minor fracturing between 60-70 degrees to core axis with green-black serpentine and whit calcite filling. A few moderately broken sections of core with overall RQD of 85%. 0.5%irregular Whitish to grayish calcite and serpentine stringers. Trace-1% brownish-yellow pyrite disseminations in matrix and in stringers and fractures. 18.60 13cm grayish-pink felsic dykelet, granodiorite (?), contacts at 70 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
	18.80	1ocm grayish-pink felsic dykelet, granodiorite (?), contacts at 65 degrees to core axis.															
	23.80 27.10	Brownish biotite altered section, 0.5-1% pyrite.															
	25.10	8cm felsic dyklet as above.															
	30.70 33.10	Biotitic section of broken core, 20% rqd.															
	41.60 42.40	Broken core, 0% rqd.															
	50.00 50.60	Possible spinifex (?).															
	57.50	Felsic dyklet (12cm) cutting through biotitic matrix.															
	57.70	7cm felsic xenoliths/fragments, 0 degrees to core axis.															
	64.30	Mottled felsic stringer.															
	79.80	8cm felsic dykelet, whitish-grey, contacts at 30 and 50 degrees to core axis.															
	80.65 80.90	Purplish-grey, feldspathic dyke.															
	82.20 83.30	Section is cut by 4 felsic dykelets/slivers from 10-15cm, contacts sharp 30-50 degrees to core axis.															
	82.90 87.60	Sections of weak mottled shear foliation at 30 degrees to core axis, minor sections of broken core.															
		Gradual lower contact.															
89.70	143.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fundamentally same unit as above but much less altered.															
		Dark grey-black, fine grained, massive, homogeneous, hardness (5-5.5), weak to moderate magnetism.															
		No reaction to HCl, minor serpentine stringer alteration.															
		Excellent RQD of 95%, minor fracturing at 50-60 degrees to core axis +/- serpentine filling.															
		1% At best irregular serpentine stringers +/- calcite.															
		Trace-0.5% brown-yellow pyrite +/- pyrrhotite (increasing occurrence with depth) smears on fractures.															
		Gradual lower contact.															
143.90	145.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey-black randomly oriented olivine spinifex in fine grained, black matrix, magnetic, hard.															
		Weak serpentine alteration, no reaction to hcl.															
		Excellent RQD of 95%.															
		Gradual lower contact.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
145.00	165.00	KOMATIITIC PERID0TITE ADCUMULATE Dark grey-black, fine grained, massive, homogeneous, hardness (5-5.5), weak to moderate magnetism. Similar to 89.7-143.9m, mesocumulate-adcumulate. RQD of 80%, sections of broken core, weak-moderate fracturing with dark green and pistachio green serpentine fracture filling. Rare grey and black, fracture controlled serpentine stringers. Trace brownish pyrite and brown-brassy smears. Specks on fractures. Gradual lower contact.																
165.00	165.80	KOMATIITIC SPINIFEX PERIDOTITE Poorly developed black random olivine spinifex, dark grey-black matrix, fine-medium grained, mesocumulate-adcumulate, magnetic. Good RQD of 90% with minor fracturing, trace pyrite-pyrrhotite. Gradual lower contact.															
165.80	173.00	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained with medium grained look due to texture, massive, magnetic, hard, non conductive. Weakly serpentine altered. Good RQD of 80-85% with weak 60-70 degrees to core axis fracturing filled with serpentine. 1-2% Irregular black-dark green serpentine stringers. 0.5%brassy Brown pyrrhotite and brown-yellow pyrite specks and smear on fractures. Gradual lower contact.															
173.00	186.50	KOMATIITIC PERIDOTITE MESOCUMULATE Blank.	100705	177.00	178.00	1.00	7	14	14	.3	89	1145	21	17	67		
		Weak serpentine and very locally graphite alerted.	100706	178.00	179.00	1.00	10	17	11	<.2	60	524	23	12	45		
		Good RQD of 85% with minor fracturing and broken core, generally serpentine filling with occasional/rare slightly graphitic fracture.	100707	179.00	179.80	.80	5	11	11	.4	108	495	40	13	52		
			100708	179.80	180.40	.60	7	7	9	.3	614	786	199	23	82		
			100709	180.40	181.40	1.00	<5	7	11	<.2	135	740	89	15	65		
		1-2% Hairlike, high angle, serpentine-calcite stringers.	100710	181.40	182.40	1.00	<5	11	11	<.2	76	488	29	14	52		
			100711	182.40	183.40	1.00	<5	7	9	<.2	84	384	44	14	43		
		Trace-0.5% brassy brown pyrrhotite smears/specks on fractures (outside mineralized section). 177.00 179.80 0.5-1% brassy pyrrhotite associated with fractures, mostly as smears. 179.80 180.40 Mineralized sections with15% graphitic slivers with sheared section 50 degrees to core axis, slightly conductive section,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		mineralization consists of 3-4% brassy brown pyrrhotite stringers/splashes and disseminations elongated along shear foliation.															
		180.40 181.40 1% to maybe 3% fine interstial pyrrhotite disseminations (?).															
		181.40 186.50 Trace pyrrhotite dissemination/smears.															
		186.00 White specks in matrix to lower contact, leucoxene (?).															
		177.00 178.00 0.5% pyrrhotite.															
		178.00 179.00 0.5% pyrrhotite.															
		179.00 179.80 0.5-1% pyrrhotite.															
		179.80 180.40 3-4% pyrrhotite.															
		180.40 181.40 1-3% pyrrhotite.															
		181.40 182.40 Trae-0.5% pyrrhotite.															
		182.40 183.40 Trace pyrrhotite.															
186.50	200.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained with medium grained look due to texture, massive, magnetic, hard.	100712	198.00	199.00	1.00	<5	<5	6	<.2	67	1277	18	22	67		
			100713	199.00	200.00	1.00	<5	<5	5	<.2	139	1319	69	29	70		
		Similar to 165.8-173m.															
		Weak serpentine alteration, no reaction to hcl.															
		Minor sections of broken core with yellow green serpentine on fractures between 40-60 degrees to core axis.															
		Unit is cut by several generations of dark black very distinctive serpentine +/- graphite/very weak conductivity stringers at various angles.															
		Nil to trace pyrrhotite on fractures.															
		Gradual lower contact.															
		198.00 199.00 No visible sulphides.															
		199.00 200.00 Trace pyrrhotite associated with stringers/fractures.															
200.00	212.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 173-186.5m.	100714	200.00	201.00	1.00	<5	<5	8	.2	151	999	132	19	64		
		Dark cloudy grey-blackish, altered, weak local magnetism, hard, massive, locally sheared/foliated, mineralized, locally conductive.	100715	201.00	201.80	.80	<5	<5	9	<.2	159	748	129	16	64		
			100716	201.80	202.80	1.00	5	<5	9	<.2	160	1018	123	18	74		
			100717	202.80	203.70	.90	7	<5	7	<.2	135	1053	285	17	76		
		Weak serpentine alteration, no reaction to hcl.	100718	203.70	204.60	.90	6	<5	8	<.2	166	1045	250	16	74		
		Local graphitic sections.	100719	204.60	205.50	.90	7	<5	8	.2	95	657	60	15	52		
		Good RQD of 85% with minor high angle fracturing and broken core, generally serpentine but several sections of silver-black, conductive graphitic filling.	100720	205.50	206.40	.90	6	6	10	<.2	83	882	25	15	61		
			100721	206.40	207.30	.90	6	6	9	<.2	89	959	21	17	64		
			100722	207.30	208.10	.80	5	5	9	<.2	104	1083	41	16	66		
			100723	208.10	208.60	.50	7	<5	8	.3	362	905	108	20	76		
		0.5% Grey-white serpentine-calcite stringers between 40-50 degrees to core axis.	100724	208.60	209.50	.90	5	<5	7	.2	114	1224	37	17	74		
			100725	209.50	209.50	.00	17	88	76	.8	2682		83	30	198	1.30	
		Trace-2% brassy brown pyrrhotite as disseminations on fractures, elongated clasts/blebs associated with graphitic fractures and serpentine stringers.	100726	209.50	210.40	.90	<5	9	10	.2	123	835	57	17	68		
			100727	210.40	211.30	.90	<5	7	11	<.2	86	643	27	15	62		
			100728	211.30	212.20	.90	<5	9	11	<.2	101	620	58	18	64		
		A few local specks of chalcopyrite. The															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		mineralization is generally localized but scattered throughout unit.															
		201.80 202.80 Minor fracture zone, abundant high angle fracturing. Gradual lower contact.															
		200.00 201.00 Trace-0.5% pyrrhotite associated with stringers/fractures.															
		201.00 201.80 1% pyrrhotite associated with stringers/fractures, some graphite.															
		201.80 202.80 0.5% pyrrhotite as smears on fractures.															
		202.80 203.70 Trace pyrrhotite.															
		203.70 204.60 2-3% pyrrhotite as disseminations/specks associated with stringers/fractures, local elongated clasts along weak foliation 1.5 inch long.															
		204.60 205.50 Trace-0.5% pyrrhotite associated with stringers/fractures, mostly smears.															
		205.50 206.40 Trace-0.5% pyrrhotite associated with stringers/fractures, mostly smears.															
		206.40 207.30 Trace-0.5% pyrrhotite associated with stringers/fractures, mostly smears.															
		207.30 208.10 Trace-0.5% pyrrhotite associated with stringers/fractures, mostly smears.															
		208.10 208.60 Graphite altered and fracture filled section, 2-4% pyrrhotite as disseminations, fracture/stringers association and angular clasts (4-5) 5mm-1cm sized, locally elongated, impregnated in graphite clasts. A few tiny specks of chalcopyrite.															
		208.60 209.50 1% pyrrhotite.															
		209.50 Standard ni 113.															
		209.50 210.40 Trace-0.5% pyrrhotite.															
		210.40 211.30 Trace-0.5% pyrrhotite.															
		211.30 212.20 Trace-0.5% pyrrhotite.															
212.20	214.80	GRAPHITIC ARGILLITE															
		Graphitic argillite 60%:komatiitic peridotite mesocumulate 40%. Dark grey to dark black, very fine to fine grained, moderately hard-hard, locally magnetic-conductive, locally sulphidic. Good RQD of 75-80% with minor silver-black graphite on fractures. Generally trace-0.5% pyrrhotite with up to 4-5% almost semi massive pyrrhotite associated with graphitic sections, see sampling break down. Gradual lower contact.	100729	212.20	212.60	.40	6	<5	8	.5	205	682	400	30	71		
			100730	212.60	213.15	.55	38	<5	<5	.7	405	868	9800	45	123		
			100731	213.15	213.90	.75	5	7	8	.2	130	657	862	19	55		
			100732	213.90	214.80	.90	19	<5	8	.7	341	682	3055	86	94		
		212.20 212.60 1-2% pyrrhotite as stringers-blebs,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		graphitic.															
		212.60 213.15 Graphitic argillite, 4-7% semi massive brassy-brown pyrrhotite in fractures/brecciation, spider web look.															
		213.15 213.90 0.5-1% pyrrhotite.															
		213.90 214.80 Graphitic argillite, 2-3% pyrrhotite.															
214.80	215.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 200-212.2m.	100733	214.80	215.80	1.00	<5	7	9	.3	184	935	634	33	74		
		Gradual lower contact.															
		214.80 215.80 Bracket sample.															
215.80	223.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 186.5-200m.	100734	215.80	216.80	1.00	12	<5	6	<.2	75	1442	43	20	70		
		216.00 219.00 Fracture zone, 0% RQD, lower angle fracturing with green serpentine filling.	100735	222.50	223.50	1.00	<5	5	8	<.2	77	1274	50	20	70		
		Trace pyrrhotite as smears on fractures.															
		Gradual lower contact.															
		215.80 216.80 Bracket sample.															
		222.50 223.50 Trace-0.5% pyrrhotite.															
223.50	235.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 200-212.2m.	100736	223.50	224.50	1.00	9	6	9	<.2	253	1086	93	17	74		
		Cloudy grey, fine grained, massive, weakly magnetic, hard.	100737	224.50	225.50	1.00	<5	8	12	<.2	191	654	70	16	68		
		Weak serpentine alteration and local minor graphite.	100738	228.30	229.30	1.00	<5	7	8	.3	71	1076	33	19	69		
		Good RQD of 95% with minor high angle fracturing	100739	229.30	230.30	1.00	<5	<5	6	<.2	155	734	58	15	68		
		+/- serpentine and/ or graphite.	100740	230.30	230.60	.30	<5	<5	7	.3	492	814	367	17	93		
		Trace-1% pyrrhotite as localized dissemination and	100741	230.60	231.55	.95	<5	<5	<5	.2	206	170	599	6	41		
		fracture smears.	100742	231.55	232.00	.45	5	<5	6	.4	627	472	1781	26	183		
		1-3% Irregular white-grey and black serpentine	100743	232.00	233.00	1.00	<5	<5	6	<.2	279	488	131	11	66		
		stringers.	100744	233.00	234.00	1.00	<5	7	9	<.2	105	531	65	13	54		
		230.30 A few patches and tiny blebs of magnetic brassy brown pyrrhotite.	100745	234.00	235.00	1.00	<5	8	10	<.2	49	367	52	15	50		
		231.55 232.30 15% interflow graphitic argillite fragments with associated sulphide.															
		231.55 232.00 25% semi-massive brassy-brown, fine grained pyrrhotite, magnetic, conductive.															
		Gradual lower contact.															
		223.50 224.50 1% pyrrhotite disseminations.															
		224.50 225.50 Trace-0.5% pyrrhotite.															
		228.30 229.30 Trace pyrrhotite.															
		229.30 230.30 Trace pyrrhotite.															
		230.30 230.60 1-2% pyrrhotite.															
		230.60 231.55 Trace-0.5% pyrrhotite associated with graphitic fragments.															
		231.55 232.00 20-25% massive-semi massive pyrrhotite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		232.00 233.00 1-1.5% pyrrhotite.															
		233.00 234.00 Trace pyrrhotite.															
		234.00 235.00 Trace pyrrhotite.															
235.40	284.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as previous komatiitic peridotite adcumulate															
		units encountered in hole.															
		Dark black, fine grained, fish net texture caused															
		by several generations of serpentine +/- graphite															
		stringers, hard, more moderate magnetism, a few															
		local stringers show very weak conductivity.															
		Pervasive serpentine alteration.															
		Minor fracturing at high angle +/- serpentine,															
		local pistachio green serpentine filling, 80-85%															
		rqd.															
		Rare pyrrhotite on fractures/stringers.															
		255.00 263.00 Cloudy grey, bleached section with															
		dark black adcumulate matrix locally.															
		273.10 276.00 Minor fracture zone, 60% rqd.															
		280.00 284.20 Grey to grey green section, possible															
		komatiitic peridotite mesocumulate,															
		massive.															
		Sharp lower contact at 45 degrees to core axis.															
284.20	300.00	FELDSPAR PORPHYRY															
		Dark grey to grayish brown locally, medium to															
		coarse grained, massive, porphyritic, hard, non															
		magnetic, non conductive, intermediate composition.															
		Rare weak calcite alteration haloing some															
		stringers, patchy brown biotitic alteration.															
		10% Sub rounded-sub angular feldspar phenocrysts.															
		1-2% Thin and irregular calcite +/- quartz															
		stringers.															
		Good RQD of 90% with minor fracturing and broken															
		core.															
		Rare specks of pyrite associated with stringers.															
		284.20 285.20 Intermediate dyke, very fine grained															
		version of dyke below, very hard, non															
		magnetic, massive, sharp contacts 45															
		and 40 degrees to core axis.															
		285.20 285.60 Komatiitic peridotite mesocumulate,															
		massive, grey-green, fine grained,															
		weakly magnetic, lower contact at 40															
		degrees to core axis.															
		287.20 287.60 Same as 285.2-285.6m.															
		Sharp lower contact at 70 degrees to core axis.															
300.00	334.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as previous komatiitic peridotite adcumulate															
		units encountered in hole.															
		Dark black, fine grained, more massive than															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		previous units, hard, weakly magnetic, non conductive. Weakly serpentine altered. Minor fracturing at high angles +/- serpentine, local pistachio green serpentine filling, 80-85% rqd. Minor sections of broken core. 1-2% White-grey calcite and serpentine stringers, 2-3% dark black serpentine +/- graphite stringers, multiple generations. Rare pyrrhotite on fractures/stringers.															
		300.00 306.20 Grayish section as seen at upper contact of dyke. Gradual lower contact.															
334.80	339.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Brown-black, fine grained, massive, moderate magnetism. Pervasive biotization (?), brown coloration. Excellent RQD of 95% with minor high angle fracturing +/- blueish-green fracture filling. Rare calcite stringer. A few specks of pyrrhotite. Gradual lower contact.															
339.20	346.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey-black fine grained, mesocumulate-adcumulate, hard, magnetic, massive. Weak patchy serpentine alteration. Good RQD of 80% with minor fracturing and broken core +/- serpentine fracture filling. 1% Generally high angle calcite stringers. Trace pyrrhotite on fractures, local smears.															
		343.70 344.70 80% of section is pale green-grey due to silicification and serpentinization. Gradual lower contact.															
346.40	351.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Poorly developed olivine spinifex in mesocumulate-adcumulate matrix, massive, hard, magnetic. Weak serpentine alteration. Good RQD of 85% with minor fracturing and broken core. 1% Irregular calcite-serpentine stringers. Trace pyrrhotite smears on fractures.															
		346.40 347.50 Very faint grey-white-blackish stubby olivine spinifex.															
		348.90 351.00 Grey-black olivine spinifex, stubby to random.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
351.00		END OF HOLE															

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Northing: 5348152.00
Easting: 499559.80
Elevation: 298.48

Collar Azi.: 333.2
Collar Dip: -54.9

Hole length: 402.00
Units: Metric
Core size: NQ
Grid: N/A

Materials left: Casing
Collar survey: Talbot GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: February 19,2009
Purpose: Test VTEM W6
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
14	326.0	-53.3
66	336.0	-54.1
117	332.3	-54.0
168	333.2	-53.8
222	337.1	-53.8
273	329.5	-53.8
324	343.1	-53.5
402	344.9	-53.8

Drill Hole: GCL9-03

Project: Langmuir Zone
Property: Langmuir
Claim: 3017518
Northing: N/A
Easting: N/A
GPS Northing: 5348151.29
GPS Easting: 499559.82
Date Started: February 18,2009
Date completed: February 22,2009
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 100746-100766
Lab report: 24305

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	3.00	OVERBURDEN 3m Of nw casing.															
3.00	59.20	KOMATIITIC PERID0TITE ADCUMULATE Dark black with grey sections, fine grained, massive, homogeneous, hard, magnetic, non conductive. Patchy weak serpentine alteration. RQD of 70-75% with several minor and a few fairly major fracture zones (broken core). Minor with local moderate fracturing between 40-70 degrees to core axis with green to dark green serpentine filling. Rare pyrrhotite and pyrite associated with fractures/stringers. 1-2% Irregular grey-white and occasional pistachio green serpentine stringers, occurrence increases with depth. 3.20 4.30 Minor fractured-broken core with orange-yellow limonite on fractures. 3.20 14.00 Medium grey bleached section. 34.00 34.80 Broken core, 20% rqd. 47.30 54.00 Major fracture zone, fracturing at 20-40 degrees to core axis, 35% RQD, 80% rec, drillers report 1.5ft of															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		mechanically broken core at 54m.															
		Gradual lower contact, maybe in broken core in upper particularly of next unit.															
59.20	77.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, massive, homogenous, hard, weakly magnetic, non conductive.															
		Weak grayish serpentine alteration.															
		Minor fracturing between 40-70 degrees to core axis.															
		Good RQD of 80-85% with minor sections of broken core.															
		1% Grayish-green irregular serpentine stringers.															
		0.5% Pyrrhotite locally on fractures.															
		59.20 62.00 Broken core, 30% rqd.															
		72.50 74.30 Sections of broken core 65% rqd.															
		Gradual lower contact.															
77.10	82.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale grey to grey matrix, fine grained, massive, hard, slightly magnetic.															
		Pale grey serpentine altered.															
		Good RQD of 80-85% with minor serpentine filled fractures.															
		0.5% Sulphides on localized fractures, brassy brown pyrrhotite, yellow-brighter yellow pyrite, maybe chalcopyrite (?).															
		77.10 79.00 Grayish-green platy olivine spinifex grading out with depth.															
		81.90 82.50 Dark green platy olivine spinifex, have distinctive sheen when rotated in light.															
		Gradual lower contact.															
82.50	97.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Grayish-black, fine grained, massive, hard, magnetic, homogeneous.															
		Weak grayish serpentine alteration.															
		Good RQD of 85% with minor fracturing and sections of broken core.															
		0.5% Irregular serpentine stringers.															
		Rare pyrrhotite on fractures.															
		90.70 91.40 Minor section of platy spinifex.															
		Sharp lower contact at 45 degrees to core axis.															
97.80	108.70	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Dark black-green, very fine grained, massive, very hard, homogeneous, non magnetic.	100746	99.70	100.70	1.00	6	<5	<5	.3	141	44	84	28	27		
		Good RQD of 90% with minor fracturing at 40 and 50 degrees to core axis.	100747	100.70	101.70	1.00	12	<5	<5	<.2	177	25	56	17	29		
		Unit cut by a few generations of calcite +-/ quartz stringers at 45-55 degrees to core axis, hairlike to 1cm.	100748	101.70	102.05	.35	32	<5	<5	.2	675	27	31	13	46		
			100749	102.05	102.70	.65	7	<5	<5	<.2	214	18	24	10	26		
			100750	102.70	102.70	.00	<5	<5	<5	<.2	183	11	24	30	34		
			100751	102.70	103.30	.60	7	<5	<5	<.2	113	52	41	18	25		
			100752	103.30	104.30	1.00	14	<5	<5	<.2	192	51	35	9	23		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Mineralization consists of brassy-brown pyrrhotite associated with stringers/fractures, local interstial disseminations. (see sample descriptions).	100753	104.30	105.30	1.00	<5	<5	<5	<.2	153	38	29	8	21		
		102.70 103.30 Brownish green, more coarse grained feldspar-biotite section.															
		Sharp lower contact at 45 degrees to core axis.															
		99.70 100.70 No visible sulphides.															
		100.70 101.70 0.5%-1% brassy brown pyrrhotite on fractures and in and along stringers.															
		101.70 102.05 2-3% interstial pyrrhotite disseminations with massive pyrrhotite covering fracture at 102m.															
		102.05 102.70 0.5%-1% brassy brown pyrrhotite on fractures and in and along stringers.															
		102.70 Blank.															
		102.70 103.30 No visible sulphides.															
		103.30 104.30 Trace-0.5% pyrrhotite associated with stringers/fractures.															
		104.30 105.30 No visible sulphides.															
108.70	109.00	KOMATIITIC SPINIFEX PERIDOTITE															
		21cm Of platy olivine spinifex, upper portion cut by intrusive.															
		Gradual lower contact.															
109.00	126.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, fine grained, massive, homogeneous, hard, magnetic, non conductive.															
		Weak patchy serpentine alteration.															
		Good RQD of 85% with sections of broken core.															
		Minor fairly high angle fracturing +/- serpentine and local graphite (i.e. 117.75m).															
		1% Grey-white and dark green-black stringers at various angle.															
		Trace pyrrhotite as specks/smears on fractures (i.e.109.4m).															
		124.50 125.00 Broken core, 0% rqd.															
		Gradual lower contact.															
126.40	128.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to dark grey, fine grained, massive, hard, magnetic, mesocumulate-adcumulate.															
		Good RQD of 85% with minor fracturing and sections of broken core.															
		A few serpentine stringers with no visible sulphides.															
		Spinifex are grey to grey-white and green, grade from knobby-stubby olivine spinifex to more random large spinifex with depth.															
		Gradual lower contact.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
128.90	143.20	KOMATIITIC PERIDOTITE MESOCUMULATE Grayish-black, possible adcumulate, massive, homogeneous, hard, magnetic. Weakly serpentine altered. Minor localized fracturing/jointing with green serpentine filling. RQD of 90%. A few sections that could be olivine spinifex (i.e. 138m). Rare brown yellow pyrite on fractures. 135.40 Deep red potassium feldspar on fracture. Gradual lower contact.															
143.20	150.20	KOMATIITIC SPINIFEX PERIDOTITE Sections of olivine spinifex in dark black adcumulate matrix, hard, magnetic, massive. Excellent RQD of 95% with minor fracturing filled with serpentine and localized reddish k-spar. A few irregular stringers with yellow-brown pyrite on fractures. 143.20 144.30 Thin dark green blades at 45 degrees to core axis with rare randomly oriented. 145.00 147.20 Dark grey-green, randomly oriented spinifex. 148.80 150.20 Random blades of olivine spinifex texture. Gradual lower contact.															
150.20	157.70	KOMATIITIC PERID0TITE ADCUMULATE Dark black to dark grey, fine grained, massive, homogeneous, hard, magnetic. Weak serpentine alteration. Excellent RQD of 95% with minor fracturing filled with serpentine. A few random low angle hairlike serpentine stringers. Rare yellow-brown flakes/smears on fractures. 156.40 Faint but distinct olivine spinifex. Sharp distinct lower contact with 3-4mm of fault gouge, orientation of 65 degrees to core axis. 156.70 157.70 No visible sulphides.	100754	156.70	157.70	1.00	9	10	8	<.2	175	504	34	17	45		
157.70	158.80	MAFIC INTRUSIVE (UNDIFFERENTIATED) Brown-black, fine-medium grained, massive, hardness (5-5.5), non magnetic, amphibole rich. Weakly siliceous. Excellent RQD of 95% with rare fracturing. Rare irregular hairlike, white, calcite +/- quartz stringers.	100755	157.70	158.80	1.10	5	7	<5	.3	172	125	69	44	39		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		3-4% Brassy brown flaky interstial pyrrhotite throughout unit. Lower contact in section of broken core, no measurement could be taken. 157.70 158.80 3-4% disseminated pyrrhotite.															
158.80	166.60	KOMATIITIC PERIDOTITE MESOCUMULATE Same as150.2-157.7m. Gradual lower contact. 158.80 159.80 Trace pyrrhotite on fractures.	100756	158.80	159.80	1.00	6	14	7	<.2	128	701	31	18	51		
166.60	171.40	KOMATIITIC SPINIFEX PERIDOTITE Dark black, massive, fine grained, magnetic, hard. Weak patchy serpentine alteration. Random blades of olivine spinifex texture throughout unit. Good RQD of 85% with minor fracturing. No visible sulphides. Gradual lower contact.															
171.40	179.50	KOMATIITIC PERID0TITE ADCUMULATE Dark black, massive, fine grained, magnetic, hard. Moderately fractured core between 40-70 degrees to core axis with green serpentine filling. RQD of 75-80%. Trace pyrrhotite as specks/smears on fractures. 172.70 174.90 Broken core 40% rqd. Sharp lower contact at 50 degrees to core axis.															
179.50	180.70	MAFIC INTRUSIVE (UNDIFFERENTIATED) Brown-grey, fine grained, massive, homogeneous, hardness of around 6, non magnetic. Minor local calcite alteration and weak biotite. Good RQD of 80% with minor serpentine filled fractures. A few calcite stringers. No visible sulphides. 179.70 21cm section of komatiitic peridotite adcumulate, contacts broken and 45 degrees to core axis. Lower contact at 40 degrees to core axis.															
180.70	190.60	KOMATIITIC PERID0TITE ADCUMULATE Dark grey-black, borderline mesocumulate, fine grained, hard, magnetic, massive, homogeneous. Very weak serpentine alteration. Good RQD of 90% with minor fracturing at higher angles +/- serpentine. A few irregular calcite-serpentine stringers. No visible sulphides. Lower contact identified by hardness and magnetism	100757	189.60	190.60	1.00	8	9	5	<.2	118	519	41	15	43		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		due to broken core.															
		189.60 190.60 No visible sulphides.															
190.60	195.80	INTERMEDIATE DYKE															
		Intermediate dyke/mafic intrusive: komatiitic	100758	190.60	191.70	1.10	<5	<5	<5	<.2	133	83	28	11	31		
		peridotite mesocumulate, 90%:10% mafic intrusive.	100759	191.70	192.80	1.10	6	5	<5	<.2	176	76	30	12	34		
		Dark grey to grey, fine grained, massive, hard, non	100760	192.80	193.80	1.00	32	9	<5	.2	115	566	79	15	45		
		magnetic, some magnetism in komatiitic peridotite	100761	193.80	194.80	1.00	<5	5	<5	.2	140	708	67	15	50		
		mesocumulate and slightly softer, homogeneous,	100762	194.80	195.80	1.00	<5	<5	<5	.2	143	649	73	31	51		
		bleached grayish.															
		Good RQD of 90% with fracturing at 50-60 degrees to															
		core axis and filled with dark green serpentine.															
		1% White-grayish calcite stringers at 50-60 degrees															
		to core axis.															
		Trace-0.5% brassy pyrrhotite as specks in matrix															
		but for the most particularly in and around															
		stringers. Rare brown-yellow pyrite and yellowish															
		chalcopyrite specks in stringers (see sample															
		descriptions).															
		Lower contact at 70 degrees to core axis.															
		190.60 191.70 Trace-0.5% pyrrhotite associated with stringers/fractures.															
		191.70 192.80 Trace-0.5% pyrrhotite associated with stringers/fractures.															
		192.80 193.80 Trace-0.5% pyrrhotite associated with stringers/fractures.															
		193.80 194.80 0.5-1% pyrrhotite, local 7mmwispy band at 194.2m with a few specks of chalcopyrite.															
		194.80 195.80 Trace pyrrhotite specks.															
195.80	280.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black-grey, grayish sections seem to be	100763	195.80	196.80	1.00	<5	<5	<5	.3	134	633	46	17	51		
		slightly harder, increasingly black with depth,															
		fine grained, massive, homogeneous, hard.															
		Weak patchy serpentine alteration with a weak															
		carbonate alteration causing grayish coloration.															
		Good RQD of 90% with rare broken core.															
		Minor fracturing between 40-70 degrees to core axis															
		with dark green serpentine fracture filling.															
		Weak shear foliation occur locally and seems to															
		increase with depth, 50-60 degrees to core axis.															
		Extremely rare pin head specks of pyrite on															
		fractures.															
		1% White calcite +/- serpentine stringers and 2-3%															
		dark green-black serpentine stringers randomly															
		distributed.															
		203.80 205.00 Brownish colored biotite altered section.															
		217.00 A few specks of chalcopyrite, maybe pyrite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		253.30 256.80 Grayish-green section, patchy olive green chlorite (?) alteration, weak calcite alteration, 1% white calcite stringers up to 1.5cm, local very weak brecciation and foliation at 60 degrees to core axis.															
		256.80 257.40 Intermediate dyke, brownish-grey, fine grained, massive, homogeneous, hard, non magnetic, no mineralization, rare fractures filled with serpentine, contacts at 50 degrees to core axis.															
		273.70 274.80 Weakly brecciated section with olive green chlorite alteration similar to 253.3-256.8m.															
		276.20 276.80 Intermediate dyke, amphibole and orange-pink feldspar rich, fine grained contacts otherwise coarse grained, hard, non magnetic, massive, minor fracturing filled with serpentine and a few specks of pyrite, sharp contacts at 40 degrees to core axis with the lower contact in broken core.															
		Sharp lower contact at 40 degrees to core axis.															
		195.80 196.80 No visible sulphides.															
280.50	284.90	INTERMEDIATE DYKE															
		Purple grey, coarse grained, amphibole and feldspar rich, coarse grained, massive, hard, non magnetic.															
		Slightly siliceous.															
		Good RQD of 90% with minor high angle fracturing filled with serpentine.															
		A few grayish calcite stringers.															
		Trace amount of local brown yellow flaky disseminated pyrite.															
		Sharp lower contact at 50 degrees to core axis.															
284.90	289.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, fine grained massive, hard, magnetic, homogeneous.															
		Weak local serpentine alteration.															
		Good RQD of 90% with local broken core.															
		Minor serpentine filled fracturing.															
		0.5% Calcite-serpentine stringers.															
		No visible sulphides.															
		Lower contact at 50 degrees to core axis.															
289.80	291.40	INTERMEDIATE DYKE															
		Brown-grey, fine grained, massive, homogeneous, hardness of around 6, non magnetic, amphibole rich.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Pervasive calcite-biotite alteration.															
		Excellent RQD of 90 plus with minor serpentine															
		filled fractures.															
		A few irregular calcite stringers.															
		Trace stringer associated pyrrhotite and pyrite.															
		Sharp lower contact at 50 degrees to core axis.															
291.40	296.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 284.9-289.8m.															
		295.80 Localized weak shear foliation at															
		20-40 degrees to core axis.															
		Sharp low angle lower contact at 25-30 degrees to															
		core axis.															
296.40	311.10	INTERMEDIATE DYKE															
		Same as 289.8-291.4m.	100764	297.90	298.90	1.00	<5	5	<5	.3	127	317	75	32	42		
		Slightly porphyritic texture locally, 10% grayish	100765	298.90	299.60	.70	10	5	<5	<.2	192	90	54	30	27		
		black komatiitic peridotite adcumulate sections.	100766	299.60	300.40	.80	<5	10	7	<.2	116	971	25	22	56		
		1-2% Calcite and serpentine stringers.															
		298.20 17cm sheared komatiitic peridotite															
		adcumulate at 30 degrees to core															
		axis, contacts at 40 and 30 degrees															
		to core axis.															
		295.90 296.60 1-2% disseminated interstitial															
		pyrrhotite in intermediate dyke.															
		296.60 300.40 Komatiitic peridotite adcumulate,															
		dark black, massive, no visible															
		sulphides, contacts at 40 and 55															
		degrees to core axis.															
		300.90 302.00 Komatiitic peridotite adcumulate,															
		dark black, massive, no visible															
		sulphides, contacts at 50 and 55															
		degrees to core axis, 1%irregular															
		calcite-serpentine stringers.															
		302.50 303.10 Komatiitic peridotite adcumulate,															
		grey, fine grained, weakly sheared 50															
		degrees to core axis, 0.5% calcite															
		stringers, no visible sulphides, 6cm															
		intermediate dyke at 302.9m, contacts															
		at 40 and 60 degrees to core axis.															
		305.10 Komatiitic peridotite adcumulate,															
		14cm, contacts at 50 degrees to core															
		axis.															
		305.80 306.60 Bleached komatiitic peridotite, pale															
		green-grey, silicified, very hard,															
		sheared, no visible sulphides,															
		contacts more grayish-black, contacts															
		at 50 degrees to core axis.															
		307.80 308.50 Intermediate dyke, pale															
		grayish-green, medium-coarse grained,															
		hard, non magnetic, coarse															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		amphiboles, contacts at 50 degrees to core axis.															
		Lower contact at 60 degrees to core axis.															
		297.90 298.90 No visible sulphides.															
		298.90 299.60 1-3% disseminated pyrrhotite.															
		299.60 300.40 No visible sulphides.															
311.10	321.30	INTERMEDIATE DYKE															
		Pale grayish-green, amphibole-feldspar rich, coarse grained, gabbroic (?), hard, non magnetic.															
		Locally silicified and calcite altered.															
		30-40% Coarse brown amphiboles/biotite, 2-4mm average sized.															
		Resembles dyke seen on west siderite of main zone area.															
		Good RQD of 95% with minor fracturing, locally calcite-serpentine filled.															
		0.5%-1% White calcite stringers.															
		No visible sulphides.															
		312.30 312.80 Intermediate dyke, same as 296.4-311.1m, cotacts at 80 and 65 degrees to core axis.															
		Sharp lower contact of 25 degrees to core axis.															
321.30	333.00	INTERMEDIATE DYKE															
		Same as 296.4-311.1m.															
		2% Irregular white calcite +/- quartz stringers.															
		No visible sulphides.															
		332.20 333.30 Broken core, 70% RQD, serpentine fracture filling.															
		Lower contact in broken core, indefinable.															
333.00	362.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black-grayish, fine grained, massive, homogenous, weakly magnetic.															
		Rare very weak serpentine alteration.															
		Decent overall RQD of 75%, with a few sections of broken core and major section near lower contact.															
		Fracturing at 30-60 degrees to core axis with dark serpentine filling +/- calcite.															
		1% White calcite +/- serpentine and local dark green serpentine stringers.															
		Nil to very rare localized pyrrhotite as smears on fractures (i.e. 361.7m).															
		352.20 Major fracture zone, sectioned, 50-60% RQD, dark serpentine fracture filling, slightly mechanically enhanced.															
		Sharp lower contact at 40 degrees to core axis.															
362.40	382.10	INTERMEDIATE DYKE															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Same as 321.3-333m, slightly darker due to intermittent biotization, heavily fractured, 70% RQD, rare pyrite on fractures.															
		362.40 368.50 Major fracture zone connected to previous unit, 35% RQD, low angle fracturing 30-50 degrees to core axis.															
		368.00 368.50 Komatiitic peridotite adcumulate, grayish-black, sheared, brecciated, broken contacts.															
		370.80 371.80 Komatiitic peridotite adcumulate, dark black, massive, minor fracturing with some gouge (slips) and pyrite smears, contacts at 50 degrees to core axis.															
		372.00 Unit becomes much more massive and competent with depth, RQD of 80% some broken core.															
		Sharp lower contact at 30 degrees to core axis.															
382.10	402.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to grey, massive, locally brecciated, sheared, magnetic, hard.															
		Minor serpentine alteration.															
		Localized brecciated section rehealed with serpentine-calcite, maybe 10% of unit.															
		Weak shear foliation at around 50-60 degrees to core axis, 5% of unit.															
		RQD of 80% with several sections of broken core.															
		Minor to local moderate fracturing filled with serpentine with occasional gouge filled slip.															
		Rare brownish-yellow pyrite on fractures.															
402.00		END OF HOLE															

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Northing: 5348216.00
Easting: 499519.40
Elevation: 295.27

Collar Azi.: 13.3
Collar Dip: -44.0

Hole length: 252.00
Units: Metric
Core size: NQ
Grid: NA

Materials left: Casing
Collar survey: Talbot GPS
DH Survey method: Reflex

Comments: NA
Logged by: G. Sparling
Date(s) logged: February 25,2009.
Purpose: Test VTEM W6
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
14	10.5	-44.1
66	5.6	-44.1
117	12.8	-44.1
168	26.4	-44.0
252	19.0	-44.3

Drill Hole: GCL9-04

Project: Langmuir Zone
Property: Langmuir
Claim: 3017518
Northing: NA
Easting: NA
GPS Northing: 5348215.42
GPS Easting: 499519.37
Date Started: February 23,2009.
Date completed: February 26,2009.
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 100767-100777
Lab report: 24304

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	3.00	OVERBURDEN 3m Of nw casing.															
3.00	11.40	KOMATIITIC PERID0TITE ADCUMULATE Dark black-grayish, fine grained, massive, homogeneous, hard, weak to moderately magnetic. Minor 40-60 degrees to core axis fracturing filled with dark green serpentine. RQD of 90%. 0.5% Grey-white calcite-serpentine stringers. No visible sulphides. 9.60 15cm mafic intrusive (?). 8.30 11.40 More pale grayish and massive. Stains very light blue indicting very weak ankerite or dolomite alteration. Gradual lower contact.															
11.40	12.70	KOMATIITIC SPINIFEX PERIDOTITE Dark green-black olivine spinifex set in adcumulate matrix. Excellent RQD of 95% with minor fracturing healed with serpentine and calcite. No visible sulphides. Gradual lower contact.															
12.70	40.20	KOMATIITIC PERID0TITE ADCUMULATE															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Similar to 3-11.4m.															
		Dark black-grayish, fine grained, massive, homogeneous, hard, weak to moderately magnetic. Very weak serpentine and local maybe carbonate (grayish sections). Good RQD of 85-90% with minor sections of broken core. Minor with some local moderately fractured section between 40-60 degrees to core axis with dark green serpentine +/- white-grey calcite fracture filling. 1-2% Variable angled calcite-serpentine stringers. 18.30 18.70 Mafic intrusive (?), massive, brownish, biotite present. Lower contact in broken core, but is most likely high angle.															
40.20	46.90	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Mafic-intermediate dyke/intrusive, mafic volcanic (?). Pale grey to grey-brown and black, fine grained, massive, very hard, non magnetic, non conductive. Weakly silicified and serpentine altered. Minor 50-60 degrees to core axis fracturing +/- serpentine. Good RQD of 90%. A few generations of low angle milky white quartz and grayish white calcite stringers from hairlike to 1.5cm, structurally controlled. No visible sulphides. 44.90 20cm quartz-calcite vein at 0 degrees to core axis. Lower contact in broken core, roughly 70 degrees to core axis.															
46.90	57.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, fine grained, massive, homogeneous, hard, magnetic. Weakly serpentine altered. Good RQD of 85-90% with minor sections of broken core. Minor fracturing 30, 50 and 60 degrees to core axis with minor serpentine fracture filling. A few irregular calcite-serpentine stringers. Rare pyrrhotite on fractures. Gradual lower contact.															
57.30	68.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green-black randomly oriented olivine spinifex in dark grey-black adcumulate, fine grained, locally massive, hard, magnetic. Weak serpentine alteration, a few localized brownish biotitic sections.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Good RQD of 85-90% with minor sections of broken core.															
		Minor brownish yellow to brassy brown pyrrhotite-pyrite on fractures.															
		1% Irregular calcite-serpentine stringers.															
		Gradual lower contact.															
68.00	72.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, fine grained, massive, homogeneous, hard, magnetic.															
		Weakly serpentine altered.															
		Good RQD of 85-90%.															
		Minor fracturing 50-60 degrees to core axis with minor serpentine fracture filling.															
		A few irregular calcite-serpentine stringers.															
		Rare pyrrhotite-pyrite on fractures.															
		Gradual lower contact.															
72.60	77.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Somewhat discontinuous sections of dark green olivine spinifex in adcumulate, 80% of unit is covered by spinifex texture.															
		Dark grey-black, fine grained, massive, hard, magnetic.															
		Minor fracturing between 50-60 degrees to core axis.															
		No visible sulphides.															
		Gradual lower contact.															
77.80	89.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, fine grained, massive, homogeneous, hard, magnetic.															
		Weakly serpentine altered with local biotization.															
		Good RQD of 85-90% with rare broken core.															
		Minor fracturing 50-60 degrees to core axis with minor serpentine fracture filling.															
		A few irregular calcite-serpentine stringer, sections of dark green-black random serpentine stringers.															
		Rare pyrrhotite-pyrite on fractures.															
		Gradual lower contact.															
89.20	91.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black stubby to random olivine spinifex, difficult to see due to adcumulate matrix, hard, magnetic massive.															
		Weak serpentine alteration.															
		No visible mineralization.															
		Gradual lower contact.															
91.70	144.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, local grey zones, fine grained,	100767	106.40	107.40	1.00	8	15	10	<.2	137	610	88	16	54		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		massive, homogeneous, hard, magnetic.	100768	107.40	108.10	.70	6	15	10	<.2	125	582	117	13	53		
		Weakly serpentine, carbonate (?) altered with local	100769	108.10	108.80	.70	<5	7	8	<.2	169	551	70	13	40		
		biotization.	100770	108.80	109.10	.30	5	10	8	.6	295	620	192	25	55		
		Good RQD of 80% with localized broken core.	100771	109.10	110.10	1.00	<5	7	7	.3	117	765	61	15	52		
		Minor fracturing 50-60 degrees to core axis with	100772	110.10	111.10	1.00	<5	9	9	.2	140	494	39	17	45		
		minor serpentine fracture filling.	100773	111.10	112.10	1.00	10	8	9	.4	146	893	25	16	53		
		A few irregular calcite-serpentine stringer,															
		sections of dark green-black random serpentine															
		stringers.															
		Rare pyrrhotite-pyrite on fractures with a few very															
		localized sections of trace-0.5%.															
		Gradual lower contact.															
		100.00 104.50 Major fracture zone, 50% RQD, 85% rec.															
		107.40 108.80 Grayish-brown, biotitic section,															
		resemble dyke but no distinct															
		contacts.															
		108.85 Ink blotch shaped pyrrhotite band 2cm															
		wide by 7cm long.															
		110.30 Semi massive brassy-brown pyrrhotite															
		on fractures.															
		109.40 70.00 Degrees to core axis slip filled with															
		4-5mm of clay gouge.															
		123.20 125.90 Pale grayish green, pervasive															
		calcite-chlorite altered section cut															
		by a few 1-2cm wide calcite															
		stringers, gradual contacts.															
		123.50 124.00 Grey-black, biotitic,															
		mafic-intermediate dyke, massive, no															
		visible sulphides, contacts upper in															
		broken core-lower 40 degrees to core															
		axis.															
		125.90 126.90 Same as 123.5-124m, upper contact in															
		broken core and lower contact sharp															
		40 degrees to core axis.															
		129.60 130.50 Same as 123.5-124m, 60% broken core,															
		fractured, contacts at 70 and 70-75															
		degrees to core axis.															
		136.70 20cm of random olivine spinifex (?).															
		137.20 28cm calcite alteration/veining.															
		Gradual lower contact.															
		106.40 107.40 Check samples.															
		107.40 108.10 Check samples.															
		108.10 108.80 Check samples.															
		108.80 109.10 1% pyrrhotite.															
		109.10 110.10 Check samples.															
		110.10 111.10 Check samples.															
		111.10 112.10 Check samples.															
144.20	146.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black-green random olivine spinifex in 30-40															
		cm sections over interval, adcumulate, fine															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		grained, massive, magnetic.															
		Serpentine-calcite alteration.															
		Excellent RQD of 95% with minor fracturing healed															
		with serpentine.															
		No visible sulphides.															
		Gradual lower contact.															
146.80	152.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grayish-black, fine grained, massive,	100774	148.50	149.00	.50	7	6	6	.8	141	1034	81	29	55		
		homogeneous, hard, magnetic.	100775	149.00	149.00	.00	16	72	77	.9	1784		90	56	353	2.02	
		Weakly serpentine altered.	100776	149.00	149.30	.30	16	10	9	<.2	278	1139	113	28	92		
		Good RQD of 95% with localized broken core.	100777	149.30	149.80	.50	13	13	9	.3	114	617	78	19	49		
		Minor fracturing 60-70 degrees to core axis with															
		minor serpentine fracture filling.															
		A few irregular calcite-serpentine stringer,															
		sections of dark green-black random serpentine															
		stringers.															
		Rare pyrrhotite-pyrite on fractures with a few very															
		localized sections.															
		149.00 7cm section of interflow graphitic															
		argillite bands with 5-6 blotches of															
		brassy brown pyrrhotite 2cm-5cm															
		sized, unit is highly conductive.															
		151.50 Series of 75-80 degrees to core axis															
		dark green serpentine stringers.															
		Sharp lower contact at 65 degrees to core axis.															
		148.50 149.00 Rare pyrrhotite.															
		149.00 Standard ni 115.															
		149.00 149.30 1-2% pyrrhotite.															
		149.30 149.80 Rare pyrrhotite.															
152.60	167.20	INTERMEDIATE DYKE															
		Series of intermediate dykes cutting grey-black															
		adcumulate peridotite, 60:40.															
		152.60 153.30 Intermediate dyke, brown grey, hard,															
		non magnetic, massive, mottled look															
		locally, no visible sulphides, a few															
		50 degrees to core axis calcite															
		stringers, lower contact at 55															
		degrees to core axis.															
		153.30 153.95 Dark grey black, massive komatiitic															
		peridotite adcumulate, no visible															
		sulphides, magnetic, lower contact at															
		40 degrees to core axis.															
		153.95 157.90 Intermediate dyke, same as															
		152.6-153.3m, medium grained,															
		mottled, very hard, biotitic, lower															
		contact 65 degrees to core axis.															
		157.90 158.20 Komatiitic peridotite adcumulate,															
		same as 153.3-153.95m, lower contact															
		70 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		158.20 158.70 Intermediate dyke, same as 152.6-153.3m, very hard, massive, no visible sulphides, intermediate dykes, fine grained, non magnetic, lower contact at 70 degrees to core axis.															
		158.70 160.30 Weakly sheared/foliated komatiitic peridotite adcumulate, local broken core (fault ?), 60% RQD, no visible sulphides, magnetic, lower contact at 50 degrees to core axis.															
		160.30 161.00 Intermediate dyke, massive, hard, non magnetic, lower contact 70 degrees to core axis.															
		161.00 164.40 Komatiitic peridotite adcumulate, same as 153.3-153.95m, lower contact 70 degrees to core axis.															
		164.40 164.60 Intermediate dyke, massive, hard, non magnetic, lower contact 70 degrees to core axis.															
		164.60 165.40 Komatiitic peridotite adcumulate, same as 153.3-153.95m, lower contact 70 degrees to core axis.															
		165.40 165.80 Intermediate dyke, massive, hard, non magnetic, 20% komatiitic peridotite adcumulate, lower contact 70 degrees to core axis.															
		165.80 166.30 Komatiitic peridotite adcumulate, same as 153.3-153.95m, lower contact 65-70 degrees to core axis.															
		166.30 167.20 Intermediate dyke, massive, very hard, no visible sulphides, lowe contact at 45 degrees to core axis.															
167.20	183.90	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained, massive, homogeneous, hard (5-5.5), magnetic. Weakly serpentine altered. Good RQD of 90-95% with fracturing at 60-70 degrees to core axis filled with serpentine. Unit is cut by several generations of green-black, grey and pistachio green serpentine stringers and 0.5%white-grey calcite stringers. No visible sulphides. Lower contact in broken core, roughly 65 degrees to core axis, upper contacts of most dykes in area seem to be in broken core.															
183.90	193.80	INTERMEDIATE DYKE Grey-brown, medium to coarse grained with fine grained sections, massive, hard-very hard, non															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		magnetic, non conductive, amphibole and feldspar rich (30%+/-). Slightly siliceous, minor biotite, no reaction to hcl. Excellent RQD of 95% with minor high angle fracturing, 65-75 degrees to core axis, +/- serpentine fracture filling. Unit is cut by around 1% hairlike calcite stringers +/- quartz and/ or serpentine, variable angles. No visible sulphides.															
193.80	252.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard (5-5.5), magnetic, non conductive. Weak serpentinization. Good RQD of 85% with minor fracturing ranging from 30-70 degrees to core axis but with most being around 60-70 degrees to core axis, green-dark green fracture filling, minor broken core. Unit is cut by several generations (localized) of green-black, grey and pistachio green serpentine stringers and randomly distributed white-grey calcite stringers at various angles. No visible sulphides.															
		193.80 197.70 Minor broken core, 75% RQD, 2% high angle green serpentine stringers.															
		212.30 15cm pale green chlorite and highly calcite altered section.															
		250.70 252.00 Broken core, 10% RQD, 45% rec.															
252.00		END OF HOLE															

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Northing:	5349348.00	Drill Hole:	GCL9-05
Easting:	498846.90		
Elevation:	285.74	Project:	Langmuir Zone
		Property:	Langmuir
Collar Azi.:	.0	Claim:	4202748
Collar Dip:	-70.0	Northing:	N/A
		Easting:	N/A
		GPS Northing:	5349348.14
Hole length:	399.00	GPS Easting:	498846.89
Units:	Metric	Date Started:	March 6, 2009
Core size:	NQ	Date completed:	March 12, 2009
Grid:	Metric 2007	Drilled by:	Norex
		Sample type:	Cut Core
Materials left:	Casing	Analyses:	PM 30g FA, BM AA
Collar survey:	Talbot GPS	Lab:	Expert
DH Survey method:	Reflex	Sample series:	100778-800, 100851-869
		Lab report:	24303
Comments:	N/A		
Logged by:	G. Sparling		
Date(s) logged:	March 8, 2009		
Purpose:	Test MMI Anomaly		
Core storage:	Hastings Facility Timmins		

*** Dip Tests ***

Depth	Azi.	Dip
11	8.9	-70.9
51	3.4	-70.8
102	3.3	-71.0
153	1.8	-70.8
201	3.0	-70.8
252	3.4	-70.6
300	5.1	-71.0
351	5.2	-70.8
399	5.6	-69.9

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	3.90	OVERBURDEN 5m Of nw casing.															
3.90	29.40	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained, massive, homogeneous, hard (5-5.5), weak magnetism (decreasing with depth), fractured. Weak serpentinization. Moderate with some heavily fractured sections, variable angle fracturing 30, 40, 50 and 70 degrees to core axis with dark green serpentine fracture filling 1-4mm thick. Several sections of broken core, 65-75% RQD, poorly recovery locally. 1-2% Irregular dark green with some grey serpentine stringers, a few later white calcite stringers at high angles. No visible sulphide mineralization. 3.90 18.60 Heavily to moderately fractured section, 35% broken core, 45-50% RQD, 75-80% rec. Gradual lower contact.														
29.40	30.50	KOMATIITIC SPINIFEX PERIDOTITE Scattered pods of dark green olivine spinifex set in dark black adcumulate matrix, weakly magnetic,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		hard, fractured, serpentine altered.															
		Good RQD of 80% with minor serpentine filled fractures.															
		No visible sulphide mineralization.															
		Gradual lower contact.															
30.50	58.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard (5-5.5), weak magnetism, fractured.															
		Weak slightly pistachio green serpentinization.															
		Fairly god RQD of 80-85% with fracturing at moderate to high angles filled with serpentine and calcite. A few sections of moderately broken core.															
		1-3% High angle calcite-serpentine stringers.															
		45.00 51.00 Broken core, 65% rqd.															
		49.00 56.00 Trace pyrrhotite on fractures, otherwise no visible sulphide mineralization.															
		Gradual lower contact.															
58.70	70.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, mesocumulate-adcumulate mix, very fine grained to fine grained, very weakly magnetic, massive, homogeneous, hard.															
		Weak pale grey-green serpentine alteration.															
		Minor-moderate fracturing with serpentine +/-calcite fracture filling.															
		Decent RQD of 75%.															
		1-3% Grey-white calcite-serpentine stringers, hairlike.															
		Rare brown-yellow pyrite cubes on fractures.															
		Faulted lower contact, 5mm clay gouge, 50 degrees to core axis.															
70.90	113.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Serpentinized komatiitic peridotite mesocumulate.															
		Green-grey, fine to medium grained appearance due to alteration, very weakly magnetic, hardness (5-6), massive, homogeneous, brecciated, fractured.															
		Pervasive serpentinization +/- ankerite, locally biotization.															
		Weakly to moderately fractured between 30-70 degrees to core axis with dominant filling being dark green serpentine (1-4mm) +/ calcite, biotitic and clay (slips).															
		Decent RQD of 75-80% with a few very minor sections of broken core associated with series of slips.															
		1-2% Hairlike-2cm fracture controlled calcite (white-grey)-serpentine (grey-dark green) +/- biotitic (brownish-black) at various angles, some dark green serpentine stringers resemble selvages,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		occasional pale green chill margins around stringers. Rare brown-yellow pyrite +/- pyrrhotite on fractures.															
		70.90 42cm brecciated section with series of clay filled slips at 50 degrees to core axis.															
		87.00 87.50 30cm weathered core with 3-4 minor 50 degrees to core axis slips over interval.															
		Gradual lower contact.															
113.40	115.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Generally mm sized chicken scratch olivine spinifex grading to more random spinifex around 45cm from end of interval. Dark green-black, fine grained, weak magnetism, hard, serpentinized, 95% RQD, no visible mineralization. Gradual lower contact.															
115.20	118.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-green, fine grained, massive, hard, weakly magnetic, homogeneous. Weak pervasive grey-green serpentinization. Excellent RQD of 95%, minor fracturing with serpentine-calcite filling. 1% Variable calcite-serpentine stringers. No visible sulphide mineralization.															
		117.40 1cm 55 degrees to core axis white calcite stringer with 4-5cm chill margin above and below.															
		Gradual lower contact.															
118.90	119.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Unusual slightly distorted dark green chicken scratch olivine spinifex texture, massive, hard, magnetic. Pervasive serpentinization. Excellent RQD of 95%, a few fracture controlled calcite stringers. Trace-0.5% at best brownish pyrrhotite interstial to spinifex. Gradual lower contact.															
119.50	144.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same fundamental unit as 70.9-113.4m. Green to dark grey-black, massive, homogenous, hard, brecciated, fractured, weakly magnetic. Pervasive serpentinization. Decent RQD of 75-80% with minor to moderately															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		fractured core, fracture filling consists of dark green serpentine +/- calcite. More moderately fractured sections occur with minor broken core and localized gouge filled slips oriented at 50-60 degrees to core axis. Localized weak brecciation occurs marked by chilled pale green fragments. 1-3% Fracture controlled calcite-serpentine stringers at various angles. Rare brown-yellow pyrite associated with fracturing. 138.00 140.80 More moderately fractured section with minor clay healed breccia locally, RQD of 70%. Gradual lower contact.															
144.00	146.30	KOMATIITIC SPINIFEX PERIDOTITE															
		144.00 144.40 Pervasive serpentinization, green-black, 5.5 hardness, mm sized chicken scratch olivine spinifex. 144.40 146.30 Dark grey-black chicken scratch to random olivine spinifex, very discreet. Minor-moderate fracturing with serpentine +/-calcite fracture filling. Good RQD of 90% with minor serpentine filled fractures. A few irregular calcite-serpentine stringers. No visible sulphide mineralization. Gradual lower contact.															
146.30	198.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, homogeneous, non to very weakly magnetic. Weak grayish serpentine +/- carbonate alteration. Moderate to weak fracturing filled serpentine +/- calcite filling, fracturing at 30, 50 and 70 degrees to core axis. Orange-brown oxidation occurs within stringers and fractures with depth. RQD of 80% with sections of broken core. Unit is cut by several generation of calcite and/or serpentine stringers from hairlike to 1.5cm wide and generally higher angle. Nil to very rare pyrite-pyrrhotite smears on fractures. 146.30 155.00 Pale grey patchy serpentine altered section with 3-5% white leucoxene disseminations. 163.10 166.90 Weakly brecciated and serpentine altered (green-grey) with dark green serpentine rehealing, no visible sulphides, good RQD of 90%, minor	100778	178.90	179.90	1.00	<5	5	<5	.4	158	840	50	23	56		
			100779	179.90	180.80	.90	<5	5	6	.5	137	747	50	25	58		
			100780	180.80	181.60	.80	9	9	7	.3	143	794	53	23	56		
			100781	181.60	182.50	.90	<5	<5	<5	.3	142	805	48	19	54		
			100782	182.50	183.40	.90	<5	<5	<5	<.2	137	919	66	22	60		
			100783	183.40	184.20	.80	<5	5	7	.3	111	657	82	22	56		
			100784	184.20	185.00	.80	<5	11	9	.2	119	644	139	21	52		
			100785	185.00	185.30	.30	28	16	9	.5	478	894	381	62	108		
			100786	185.30	186.10	.80	<5	5	5	.4	171	1138	316	25	62		
			100787	186.10	186.90	.80	<5	<5	<5	<.2	124	1086	104	17	58		
			100788	186.90	187.70	.80	<5	<5	<5	<.2	132	1125	45	16	59		
			100789	187.70	188.50	.80	<5	5	<5	<.2	126	1093	35	20	62		
			100790	188.50	189.30	.80	<5	<5	<5	<.2	126	1004	47	14	55		
			100791	189.30	189.80	.50	<5	7	5	.3	149	1206	55	19	65		
			100792	189.80	190.70	.90	<5	5	5	.2	131	1165	51	17	63		
			100793	190.70	191.60	.90	<5	<5	<5	.2	131	1282	54	13	58		
			100794	191.60	192.50	.90	6	10	6	.4	150	771	88	23	60		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		serpentine filled amygdules.															
	169.00	169.70 Minor fracturing/broken core with 2-5cm sized, subrounded serpentine filled amygdules.															
	178.70	62cm milky-white quartz-carbonate stringer at 0-5tca, 1-2.5cm wide.															
	179.90	185.00 1-1.5% yellow-brown pyrite and brassy brown pyrrhotite smears on fractures.															
	183.40	184.20 Fractured/broken core, 70% RQD, 1% sulphides.															
	185.00	185.30 Graphitic argillite, dark black, very fine grained, brecciated, silvery-black graphite healing, 0.5% yellow-brown pyrite stringers associated with brecciation, conductive, non magnetic, contacts weakly faulted at 50 and 60 degrees to core axis.															
	185.30	192.50 Sporadic silvery black graphite on fractures.															
	186.90	189.30 Light grey-white, serpentine altered(?), interval slightly harder than overall unit, weak brecciation with associated orange-brown oxidation, trace sulphide mineralization.															
	189.50	15cm section of patchy pyrrhotite up to maybe 0.5% +/- pyrite.															
	197.40	4cm fault gouge at 70 degrees to core axis.															
	197.80	Mafic/diabase dyke, handful of pale green plagioclase phenocrysts, contacts 30 and 20 degrees to core axis.															
	Lower contact	of unit cut by dyke.															
	178.90	179.90 No visible sulphides.															
	179.90	180.80 0.5-1% pyrrhotite smears on fractures.															
	180.80	181.60 0.5% pyrrhotite-pyrite smears on fractures.															
	181.60	182.50 0.5% pyrrhotite smears on fractures.															
	182.50	183.40 0.5-1% pyrrhotite smears on fractures.															
	183.40	184.20 0.5-1% pyrrhotite smears on fractures.															
	184.20	185.00 0.5-1% pyrrhotite smears on fractures.															
	185.00	185.30 0.5% pyrite +/- pyrrhotite.															
	185.30	186.10 Trace-0.5% pyrrhotite-pyrite associated with stringers, graphitic fractures.															
	186.10	186.90 Trace-0.5% pyrrhotite-pyrite associated with stringers, minor sulphides patches.															
	186.90	187.70 Trace-0.5% pyrrhotite-pyrite															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		associated with stringers, minor sulphides patches.															
		187.70 188.50 Trace-0.5% pyrrhotite-pyrite associated with stringers, minor sulphides patches.															
		188.50 189.30 Trace-0.5% pyrrhotite-pyrite associated with stringers, minor sulphides patches.															
		189.30 189.80 0.5-1% pyrrhotite-pyrite patches, mm sized.															
		189.80 190.70 Trace sulphides.															
		190.70 191.60 Nil-trace sulphides.															
		191.60 192.50 Trace-0.5% pyrite-pyrrhotite smears/specks, locally graphitic.															
198.00	237.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to cloudy dark grey, fine grained,	100795	198.00	199.00	1.00	<5	5	<5	.3	139	1376	60	29	70		
		massive, hard, non magnetic, homogeneous.	100796	199.00	200.00	1.00	<5	6	<5	.3	148	1402	43	28	67		
		Patchy pistachio green serpentine alteration	100797	200.00	201.00	1.00	<5	10	5	.4	147	1526	35	27	69		
		(stringer related) with grayish-white	100798	201.00	202.00	1.00	<5	6	5	.4	160	1532	33	26	66		
		serpentine-carbonate altered sections locally.	100799	202.00	202.80	.80	<5	5	<5	.4	159	1540	34	27	72		
		Good RQD of 90% with minor pistachio green-green	100800	202.80	202.80	.00	<5	<5	<5	<.2	190	150	15	32	38		
		serpentine +/- white-grey calcite filling and	100851	202.80	203.60	.80	<5	<5	<5	.2	178	1538	36	29	74		
		orange-brown oxidation.	100852	203.60	204.40	.80	<5	<5	<5	.4	213	1487	38	30	74		
		A few minor sections of broken core, but otherwise	100853	204.40	205.20	.80	<5	<5	<5	<.2	179	1326	35	27	70		
		a very competent unit.	100854	205.20	205.90	.70	105	21	30	.5	421	2222	38	32	97		
		Unit is cut by several generations of white grey	100855	205.90	206.50	.60	88	26	72	.8	1032	3200	42	32	102		
		calcite +/- quartz stringers and dark green-grey	100856	206.50	207.10	.60	202	33	79	.9	957	3539	46	33	117		
		serpentine+/- calcite. Orange-brown oxidation is	100857	207.10	208.10	1.00	103	10	7	.3	202	1145	54	26	64		
		also present throughout.	100858	208.10	209.10	1.00	19	9	13	.3	179	1296	57	28	66		
		Pyrite-pyrrhotite mineralization occurs locally as															
		fine disseminations, patches with most															
		mineralization as smears on fractures. The															
		concentrations range from nil-trace to at best															
		maybe 4%. Estimating concentrations is may															
		difficult locally due to orange-brown oxidation.															
		202.80 207.10 Mineralized sections, 1-5% pyrrhotite +/- pyrite disseminations and patches increasing in concentration with depth. See sample descriptions.															
		207.10 219.00 Grey-white more carbonate altered section with trace pyrrhotite-pyrite smears on fractures and a few 2-3mm oval blebs (i.e. 212.8m).															
		210.60 210.90 Mafic/diabase dyke, handful of pale green plagioclase phenocrysts, broken core, 0% rqd.															
		215.40 215.70 Weakly sheared section, 40 degrees to core axis, pale green-grey serpentine altered.															
		215.70 12cm of stubby random olivine															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		spinifex.															
	227.50	234.40 Pale green and grey serpentine and serpentine-carbonate altered.															
		Gradual lower contact.															
	198.00	199.00 Trace pyrrhotite-pyrite, bracket sampling.															
	199.00	200.00 Trace pyrrhotite-pyrite, bracket sampling.															
	200.00	201.00 Trace pyrrhotite-pyrite, bracket sampling.															
	201.00	202.00 Trace pyrrhotite-pyrite, bracket sampling.															
	202.00	202.80 Trace pyrrhotite-pyrite, bracket sampling.															
	202.80	Blank.															
	202.80	203.60 0.5%-1% maybe, fine patches/disseminations of pyrrhotite.															
	203.60	204.40 0.5%, fine patches/disseminations of pyrrhotite.															
	204.40	205.20 1% or so, fine patches/disseminations of pyrrhotite-pyrite, semi massive patches on fractures.															
	205.20	205.90 1-2% pyrrhotite fine patches/disseminations, a few speck of chalcopyrite in quartz-calcite stringers at 205.8m.															
	205.90	206.50 3-4% fine pyrrhotite patches/disseminations with a few patches up to 1cm, minor pyrite-pyrrhotite smears on fractures.															
	206.50	207.10 3-5% pyrrhotite disseminations/patches, interstial and fracture associated, 1x4cm elongated patch/bleb along stringer at 206.6m.															
	207.10	208.10 Bracket, smears on fractures.															
	208.10	209.10 Bracket, smears on fractures.															
237.50	256.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine to fine grained, hardness of 5-5.5, massive, homogenous, non magnetic.															
		Patchy pistachio green serpentine alteration (stringer related).															
		Excellent RQD of 90% with pistachio green serpentine and grey-white calcite-serpentine fracture filling2-6mm thick.															
		Unit is cut by multiple generations of high angle calcite-serpentine stringers from hairlike to 1cm.															
		Rare brown-yellow pyrite is located on fractures.															
	253.30	256.60 Grayish more of carbonate altered section of mesocumulate with darker															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		black more adcumulate sections in less altered areas.															
		255.80 256.60 Broken core, 45% RQD, 50-60 degrees to core axis fracturing.															
		Gradual lower contact.															
256.60	258.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Grayish-whitish-greenish, pervasively altered, non magnetic, moderately hard, randomly oriented grey-green olivine spinifex up to a few cm in size.															
		A few sections of broken core, 75% RQD, minor factoring at 50-60 degrees to core axis.															
		Lower contact in broken core.															
258.90	268.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale grey to grey, fine grained, non magnetic, moderately soft, massive, faulted, fractured.															
		Pervasive carbonatization.															
		RQD of 65% with localized faulted and fractured sections.															
		Fracturing at 40-50 degrees to core axis.															
		1% Irregular serpentine-carbonate stringers.															
		0.5% Yellow-brown pyrite.															
		258.90 264.00 Broken weakly faulted/fractured core, minor gouge, local orange-brown rust and pink-orange potassic staining on fractures, 40-50% rqd.															
		Lower contact 55 degrees to core axis.															
268.30	276.60	KOMATIITIC PERIDOTITE SHEARED															
		Dark black-grey, fine grained, moderately hard, sheared-foliated, no conductivity detected.															
		Serpentine, carbonate and graphite altered sections.															
		Moderate shear-foliation at 40-50 degrees to core axis with local graphite healed brecciation.															
		A few minor sections of broken core with weak to moderate fracturing between 30-50 degrees to core axis filled with serpentine, graphite and occasional clay, RQD around 70%.															
		0.5% White calcite stringers paralleling foliation.															
		Trace yellow-brown pyrite associated with calcite stringers.															
		268.30 80cm section of faulted/sheared material, weathered, minor graphite/gouge, 75% rqd.															
		271.40 272.60 Minor broken core, low angle fracturing.															
		Lower contact 50 degrees to core axis.															
276.60	295.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		homogeneous, very weakly magnetic, massive,															
		homogeneous, locally sheared.															
		Pervasive carbonatization with minor															
		serpentinization.															
		Good RQD of 84-90% with minor fracturing filled															
		with serpentine, carbonate +/- calcite.															
		Multiple generations (5%) of calcite +/- serpentine															
		and/or quartz at various angles.															
		Rare brownish-yellow pyrite associated with calcite															
		stringers.															
		279.20 280.00 Weak shear-foliation at 50 degrees to															
		core axis.															
		295.10 20cm weakly sheared section at 50															
		degrees to core axis (on lower															
		contact).															
		Rough fairly hard to distinguish lower contact at															
		50 degrees to core axis.															
295.30	297.30	FELDSPAR PORPHYRY															
		Grayish with some brownish-black sections, fine															
		grained, hard to very hard, non magnetic, excellent															
		RQD of 90%, minor fracturing, no visible															
		mineralization, a few high angle calcite stringers.															
		295.30 296.60 Brownish-grey, approaching more															
		medium grained, pervasive biotization.															
		296.60 297.30 More purple grey, very fine grained,															
		2% 2-4mm quartz-feldspar phenocrysts.															
		Lower contact roughly 65 degrees to core axis.															
297.30	317.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, fine grained, moderately hard,															
		locally sheared-foliated, non magnetic.															
		Pervasive carbonatization (local pitted look).															
		Good RQD of 85-90% with minor fracturing filled															
		with calcite, quartz and serpentine.															
		5% +/- White to grey white generations of irregular															
		calcite, carbonate and quartz +/- serpentine.															
		Trace amounts of yellowish pyrite associated with															
		stringers.															
		297.30 300.30 Moderately sheared section at 65-70															
		degrees to core axis with 5-7%															
		quartz-calcite stockwork															
		veins/stringers, no visible sulphides.															
		308.00 308.70 Deep grayish, resembles feldspar															
		porphyry above, non magnetic, no															
		mineralization, massive, sharp															
		contacts at 35 degrees to core axis.															
		315.00 317.30 Weakly sheared section, 70 degrees to															
		core axis, pale green-grey serpentine															
		altered.															
		Sharp lower contact at 50 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
317.30	318.10	INTERMEDIATE DYKE															
		Grey to darker grey, medium grained, massive, homogenous, hard, non magnetic, moderate reaction to HCl, local pyrite disseminations. Excellent RQD of 95%. Sharp lower contact at 40 degrees to core axis.															
318.10	325.00	RHYODACITE LAPILLI TUFF															
		Light beige to grey-brown, very fine grained, very hard, non magnetic. Pervasive silicification with weak to moderate patchy sericite and rare chlorite patches, no reaction to hcl. Light beige-grey medium to coarse, sub rounded to sub angular lapilli are scattered throughout unit and range in size from 5mm-6cm. The lapilli are stretched parallel to foliation. The unit is weakly to moderately foliated at approximately 45 degrees to core axis. Minor fracturing parallel to foliation +/- green chlorite filling, maybe 1-2mm. Good RQD of 95%. Unit is cut by 1-2 generations of generally white-milky white hairlike to 1cm calcite-quartz +/- carbonate and reddish potassic staining, stringers at 45-60 degrees to core axis, maybe 1%. Minor very fine leucoxene noted locally. Trace amounts of dull yellow brown pyrite is found in and around stringer and fractures, usually rimming outer margins.															
		318.10 318.35 Altered komatiitic peridotite, maybe mafic dyke is found on upper contact of main unit, green- grayish-green in color, fine grained, on magnetic, medium hardness, weak 45-50 degrees to core axis shear foliation, a few speck of pyrite, lower contact at 60 degrees to core axis.															
		319.30 319.60 Intermediate dyke, grayish-green, medium grained, non magnetic, hard (barely scratches with knife), trace-0.5% disseminated (flaky) pyrite, a few hairlike calcite stringers, slight reaction to hcl.															
		Lower contact sharp, planar and 60 degrees to core axis.															
325.00	327.00	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		325.00 327.00 Gabbroic mafic intrusive. Dark green, medium grained, massive, non magnetic,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		hard, massive.															
		Minor chlorite alteration with very faint local															
		purplish-reddish hematite/ potassium feldspar haze,															
		moderate reaction to hcl. Local.															
		Excellent RQD of 95%, rare fracturing.															
		0.5% 2-4mm Calcite-potassium feldspar															
		(white-reddish) stringers at 60ish degrees to core															
		axis.															
		Rare pyrite.															
		Upper and lower contacts are sharp, planar and at															
		60 degrees to core axis.															
327.00	336.40	RHYODACITE LAPILLI TUFF															
		Same as 318.1-325m but slightly more mafic in	100859	328.80	329.30	.50	6	<5	<5	<.2	57	105	42	8	22		
		composition of matrix and fragments and increased	100860	329.30	329.60	.30	131	5	<5	1.2	110	46	166	81	19		
		fragments up to 7%.	100861	329.60	330.10	.50	8	<5	<5	.2	57	39	54	9	16		
		329.30 25cm clear-white quartz vein with															
		trace yellowish pyrite specks and															
		trace-0.5% brassy-brown pyrrhotite															
		associated with milky white fracture															
		controlled calcite-carbonate															
		stringers cutting vein at 60 degrees															
		to core axis, contact of vein at 35															
		and 50 degrees to core axis.															
		331.50 5cm clear-white quartz veinlet at 65															
		degrees to core axis with a handful															
		of specks of pyrite and pyrrhotite.															
		Sharp, planar lower contact at 35 degrees to core															
		axis.															
		328.80 329.30 Bracket, silicified, rare pyrite.															
		329.30 329.60 Trace pyrite, trace-0.5% pyrrhotite.															
		329.60 330.10 Bracket, silicified, rare pyrite.															
336.40	340.10	INTERMEDIATE DYKE															
		Intermediate to mafic dyke.															
		Purple-reddish, medium grained, massive, hard															
		(5-5.5), non magnetic, massive, homogeneous.															
		Potassic/ hematite altered, no reaction to HCl,															
		minor local quartz.															
		Minor fracturing at low-medium angles +/- very thin															
		chlorite and potassium staining.															
		1% Whitish calcite +/- quartz and purple-red															
		potassic halo's.															
		Trace dull yellow pyrite associated with stringers.															
		Sharp, planar lower contact at 30 degrees to core															
		axis.															
340.10	347.20	RHYODACITE LAPILLI TUFF															
		Similar to 327-336.4m.	100862	344.10	344.60	.50	6	<5	<5	.6	210	43	79	14	21		
		Sericitic, silicified with patches of pale orange	100863	344.60	345.40	.80	10	<5	<5	<.2	57	35	41	15	12		
		potassic alteration near contacts of dykes.	100864	345.40	346.30	.90	8	<5	<5	.3	59	25	37	8	12		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Very fine grained, non magnetic, very hard, slightly foliated 50-60 degrees to core axis, 90% rqd. 5% felsic to slightly mafic sub angular lapilli. 1-2% Calcite-quartz stringers. Trace-0.5% disseminated, somewhat cubic pyrite rimming fractures/stringers. 343.10 344.60 Intermediate dyke, grayish, fine grained, massive, slightly porphyritic (quartz), minor pyrite, contacts at sharp, planar 45 and 60 degrees to core axis. Lower contact of unit is undulating at 25-35 degrees to core axis, minor 3-5cm bleaching grayish-brown. 344.10 344.60 Bracket sample. 344.60 345.40 Check sample, trace pyrite. 345.40 346.30 Trace-0.5% pyrite, silicified, a few quartz stringers. 346.30 347.20 0.5-1% pyrite, silicified, a few quartz stringers.	100865	346.30	347.20	.90	<5	<5	<5	.2	47	31	41	6	14		
347.20	356.20	INTERMEDIATE DYKE															
		Same as 336.4-340.1. Purple, massive, hard, trace-0.5% disseminated pyrite, 0.5% hairlike calcite-quartz stringers. Contact altered, undulating, 50cm silicified-sericitic section splitting lower contact and upper contact of following unit, roughly 50 degrees to core axis. 347.20 348.00 0.5% pyrite.	100866	347.20	348.00	.80	13	6	<5	<.2	65	25	91	14	20		
356.20	382.30	RHYODACITE LAPILLI TUFF															
		Similar general composition to 327-336.4m.	100867	379.40	379.90	.50	<5	<5	<5	.8	54	25	68	24	14		
		Grey-beige and green sections, fine grained, foliated-sheared, very hard, non magnetic.	100868	379.90	380.30	.40	7	<5	<5	10.1	86	32	114	130	19		
		Variable alterations in both matrix and fragments., pervasive silicification throughout. Chlorite (dark green) and sericite (yellow-beige) alterations are locally pervasive, patchy, blotches (chlorite) and give banded appearance locally, occasional pink-orange potassic alteration. 10% Plus lapilli, variable color from dark green, grey and beige-brown, sub angular, range from fine lapilli to coarse lapilli, some block/bob lapilli. Weak to strongly foliated/sheared sections oriented at 30 and 50 degrees to core axis. Excellent RQD of 90% with minor fracturing +/- calcite, chlorite, quartz and potassium. Unit is cross cut by at least 2 generations of quartz-calcite +/- potassic rimming. The first	100869	380.30	380.80	.50	5	<5	<5	1.6	60	18	24	49	11		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		generation is higher angled 60-70 degrees to core axis (quartz-calcite stringers/veinlets). The second generation is much lower at 30-50 degrees to core axis and is generally calcite +/- quartz. Trace-0.5% very fine to more coarse pyrite is noted surrounding both generations of stringers/veinlets and fractures.															
		380.10 18cm section cut by three 70 degrees to core axis white quartz veinlets with a dozen or so pyrite and a few galena (specks) impregnated in stringers. The surrounding matrix has around 1% fine disseminated pyrite and is moderately silicified.															
		381.00 382.30 Pervasively sericite-potasically altered (beige-orange).															
		Curved-undulating lower contact at 15-20 degrees to core axis.															
		379.40 379.90 Chlorite, trace pyrite.															
		379.90 380.30 1% plus pyrite, trace galena, silicified.															
		380.30 380.80 Sericite, potassic, silicified, trace pyrite.															
382.30	387.15	INTERMEDIATE DYKE															
		Intermediate to mafic dyke.															
		Dark grey, medium grained, massive, homogeneous, hard-very hard, non magnetic.															
		No reaction to HCl, slight potassic haze locally.															
		Good RQD with minor fracturing +/- calcite.															
		Unit is cut by 5-8 white hairlike calcite stringers.															
		Trace pyrite disseminations.															
		384.50 10cm diabase dykelet, dark grey, chilled, very fine grained, healed crackle breccia, minor pyrite disseminations in breccia, non magnetic, contacts at 40 degrees to core axis, rare plagioclase phenocrysts.															
		385.90 6cm diabase dykelet as above, contacts at 30 and 40 degrees to core axis.															
		Sharp lower contact at 15 degrees to core axis.															
387.15	390.60	RHYODACITE LAPILLI TUFF															
		Same as previous rhyodacite lapilli tuff units.															
		Grey-beige, fine grained, hard, sheared 40 degrees to core axis, fine and coarse lapilli, non magnetic, pervasive silicification, patchy-pervasive sericite and potassic altered, rare pyrite, a few quartz-calcite stringers.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Faulted planer/polished lower contact with 3-5mm gouge and oriented at 40 degrees to core axis.															
390.60	399.00	DIABASE															
		Dark green-blackish, medium grained, massive, homogeneous, hard, weak-moderate magnetism, rare plagioclase phenocrysts.															
		Upper contact slightly chilled, fairly fine grained for 60cm.															
		No reaction to HCl, locally pervasively epidote altered sections (yellow-green).															
		Moderately grading to more weakly fractured with depth, fracturing/jointing variable 30, 50 and 60 degrees to core axis, some chlorite, epidote and red potassic filling locally.															
		Overall RQD of unit is roughly 55% with significant broken core to 394.5m (30% rqd).															
		1% Hairlike yellow-green epidote stringers and a few quartz-calcite stringers rimmed by orange-pink potassium feldspar.															
		Trace dull yellow pyrite associated with stringers.															
		395.60 16cm quartz vein, mottled, nil sulphides, 70-75 degrees to core axis contacts.															
399.00		END OF HOLE															

Date: 12 May, 2009 | GOLDEN CHALICE RESOURCES | Page: 1 of 8

Northing: 5349348.00
Easting: 498846.90
Elevation: 285.74

Collar Azi.: .0
Collar Dip: -45.0

Hole length: 285.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Talbot GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: March 18,2009
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
14	4.0	-43.0
66	5.1	-43.6
117	5.5	-43.9
168	2.6	-44.4
225	2.6	-44.4
285	3.4	-44.9

Drill Hole: GCL9-06

Project: Langmuir Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349348.14
GPS Easting: 498846.89
Date Started: March 17,2009
Date completed: March 20,2009
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 100870-916
Lab report: 24396

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	3.00	OVERBURDEN 2m Of nw casing.															
3.00	53.10	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained, massive, hard, fractured, weakly magnetic decreasing to non magnetic with depth. Pervasive fairly weak serpentinization. Moderately fractured throughout at low to moderate angles with 1-5mm thick greenish serpentine and white calcite as fracture filling. Minor-moderate sections of broken core throughout, roughly 65-75% rqd. 0.5% White-green serpentine-calcite stringers scattered throughout. Trace brown to brassy-brown pyrrhotite associated with stringers/fractures. 3.00 8.00 Broken core, highly fractured, 10-15% rqd. 14.50 16.00 Pale grey-green, moderately serpentine altered. 17.70 19.50 A few scattered sections of broken core, 55% rqd. 29.90 33.00 Broken core, weak to highly fractured sections, 65% rqd. 44.50 47.70 Pale grey-green, moderately serpentine															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		altered section with a few high angle slip faults with minor gouge (i.e. 44.85m 1cm gouge at 75 degrees to core axis), 85% rqd.															
		47.70 53.10 Extension of 44.5-47.7m, moderately fractured, handful of slip faults at high angle, abundant broken core, 50-60% rqd.															
		Lower contact of unit is fairly gradual.															
53.10	54.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black-green olivine spinifex set in grayish-black serpentine altered matrix.															
		Minor broken core, 85% RQD.															
		No visible sulphide mineralization.															
		Gradual lower contact.															
54.20	69.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous,	100870	58.00	59.00	1.00	5	7	5	<.2	143	989	48	32	58		
		hard, non magnetic.	100871	59.00	60.00	1.00	<5	<5	<5	<.2	116	1105	47	31	62		
		Pervasive pistachio green serpentinization,	100872	60.00	61.00	1.00	<5	<5	<5	<.2	142	1104	54	32	62		
		sections of pale green-grey serpentine-ankerite	100873	61.00	62.00	1.00	<5	6	5	<.2	128	1134	59	33	67		
		alteration.	100874	62.00	63.00	1.00	8	7	5	<.2	141	1131	77	32	62		
		Good RQD of 80-85% with minor broken core.	100875	63.00	63.00	.00	18	15	16	1.8	4010	2765	24	16	81		
		Weakly to moderately fractured with	100876	63.00	64.00	1.00	<5	6	5	<.2	135	1211	70	32	65		
		serpentine-calcite fracture filling.	100877	64.00	65.00	1.00	<5	<5	<5	<.2	112	1209	57	32	65		
		1-3% White calcite and serpentine stringers at	100878	65.00	66.00	1.00	<5	7	5	<.2	105	1233	53	32	63		
		various angles, hairlike-2cm wide.	100879	66.00	67.00	1.00	<5	<5	<5	<.2	104	1026	62	29	60		
		Mineralization: trace-2% sulphides, 0.5-1.5%															
		yellowish-brown pyrite flakes on fractures and															
		impregnated in stringers. Trace-1% brassy brown															
		pyrrhotite as local disseminations in pistachio															
		green serpentine alteration and associated with															
		stringers/fractures.															
		68.40 69.20 More dark grayish mesocumulate material.															
		Gradual lower contact to unit.															
		58.00 59.00 Check sampling, 0.5-1% pyrite +/- pyrrhotite.															
		59.00 60.00 Check sampling, 0.5-1% pyrite +/- pyrrhotite.															
		60.00 61.00 1% finely disseminated pyrrhotite in pistachio green altered section, trace-0.5% pyrite.															
		61.00 62.00 Check sampling, 0.5-1% pyrite +/- pyrrhotite.															
		62.00 63.00 Check sampling, 0.5% pyrite +/- pyrrhotite.															
		63.00 Standard ni 117.															
		63.00 64.00 Serpentinized, pistachio green, trace-0.5% disseminated pyrrhotite.															
		64.00 65.00 Serpentinized, pistachio green,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		trace-0.5% disseminated pyrrhotite.															
		65.00 66.00 Serpentinized, pistachio green, trace-0.5% disseminated pyrrhotite.															
		66.00 67.00 Serpentinized, pistachio green, trace-0.5% disseminated pyrrhotite.															
69.20	70.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Brecciated section with very difficult to see random and chicken scratch olivine spinifex.															
		Weak serpentine-ankerite alterations.															
		No visible sulphides.															
		Gradual lower contact.															
70.60	81.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive,	100880	71.90	72.90	1.00	<5	8	6	<.2	99	891	43	29	62		
		homogeneous, hard, non magnetic,	100881	72.90	73.90	1.00	<5	8	6	<.2	104	903	40	29	63		
		mesocumulate-adcumulate.	100882	73.90	74.90	1.00	<5	6	7	<.2	123	855	47	29	65		
		Serpentine-ankerite altered grayish.	100883	74.90	75.90	1.00	<5	6	6	<.2	137	865	38	28	58		
		Minor-moderate fracturing with sections of broken	100884	75.90	76.90	1.00	<5	8	7	<.2	117	756	39	25	55		
		core, 70% rqd.															
		Localized, remobilized pyrrhotite +/- pyrite on fractures and stringers.															
		81.35 8cm graphitic argillite, slight conductivity, minor pyrite.															
		Sharp, rough lower contact at 50 degrees to core axis.															
		71.90 72.90 Check sampling, 0.5% pyrrhotite, tiny patches.															
		72.90 73.90 Check sampling, 0.5% pyrrhotite, fracture associated.															
		73.90 74.90 Check sampling, 0.5% pyrrhotite, fracture associated.															
		74.90 75.90 Check sampling, 0.5% pyrrhotite, fracture associated.															
		75.90 76.90 Check sampling, 0.5% pyrrhotite, fracture associated.															
81.50	83.00	DIABASE															
		Typical pale grey diabase dyke, fine grained, massive, very hard, slightly magnetic, occasional green-yellow plagioclase phenocrysts.															
		No reaction to hcl.															
		Good RQD of 80-85% with minor broken core.															
		A few scattered calcite stringers.															
		0.5% Brassy brown pyrrhotite on fractures.															
		Sharp, rough lower contact at 50 degrees to core axis.															
83.00	90.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same unit as 70.6-81.5.															
		83.00 Weakly brecciated, rare graphite, white															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		disseminated leucoxene, pale grey-green serpentine alteration, occasional serpentine filled amygdules (3-4mm), 0.5% pyrite along fractures.															
		83.70 84.90 Section of broken core, a few minor slips with gouge, some graphitic, non conductive, 30-50% rqd.															
		87.90 1cm, angular, black, highly conductive graphitic fragment.															
		88.80 1cm, angular, black, highly conductive graphitic fragment.															
		Gradual lower contact.															
90.90	92.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Grayish-green matrix, non magnetic, scattered stubby-random olivine spinifex, difficult to identify.															
		Minor fracturing with pyrrhotite smears on fractures.															
		Gradual lower contact.															
92.80	127.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine to fine-medium looking	100885	93.90	94.90	1.00	<5	<5	<5	<.2	107	750	48	26	58		
		(result of alteration), massive homogeneous, non	100886	94.90	95.90	1.00	6	9	7	<.2	115	581	41	25	50		
		magnetic, hard.	100887	95.90	96.70	.80	<5	<5	<5	<.2	195	649	40	26	52		
		Weak serpentine alteration.	100888	96.70	97.60	.90	<5	8	9	<.2	174	863	39	27	57		
		Good RQD of 80-85% with minor broken core.	100889	97.60	98.40	.80	5	7	6	<.2	189	970	39	29	56		
		Minor serpentine-calcite filled fractures.	100890	98.40	99.30	.90	<5	6	8	<.2	161	1104	42	31	61		
		1-3% White and green-white calcite and	100891	99.30	100.30	1.00	<5	9	9	<.2	165	1252	46	34	69		
		serpentine-calcite stringers cut unit.	100892	100.30	101.20	.90	<5	<5	11	<.2	153	1541	47	33	74		
		Trace-2-3% pyrrhotite and trace-0.5% pyrite.	100893	101.20	102.10	.90	<5	12	22	<.2	134	1091	34	24	59		
		Mineralization occurs as interstial	100894	102.10	103.00	.90	<5	5	13	<.2	152	1393	48	34	75		
		disseminations/tiny patches in fine-medium sections	100895	103.00	103.90	.90	5	9	19	<.2	159	1603	46	33	71		
		with smears on fractures. Very fine grained	100896	103.90	104.80	.90	8	13	24	<.2	146	1330	42	33	70		
		sections tend to have pyrrhotite-pyrite associated	100897	104.80	105.70	.90	<5	17	29	<.2	109	1349	41	32	69		
		with stringers/fractures.	100898	105.70	106.60	.90	<5	8	8	.3	111	1211	28	26	58		
		95.90 99.30 1-2% disseminated interstial pyrrhotite	100899	106.60	107.60	1.00	<5	<5	<5	<.2	96	1044	31	27	53		
		+/- pyrite in fine-medium matrix.	100900	107.60	107.60	.00	<5	<5	<5	<.2	159	58	18	29	35		
		108.40 22cm of 1-2% serpentine filled	100901	107.60	108.00	.40	<5	31	36	.2	210	729	30	28	60		
		amygdules with a few rimmed by tiny	100902	108.00	108.90	.90	<5	<5	6	<.2	136	1031	41	35	67		
		pyrrhotite blebs.	100903	108.90	109.90	1.00	<5	5	7	.2	162	844	30	26	56		
		Gradual lower contact.	100904	109.90	110.90	1.00	<5	<5	8	.2	140	910	36	28	58		
		93.90 94.90 Trace-0.5% pyrrhotite on fractures.	100905	110.90	111.90	1.00	68	9	12	<.2	158	932	30	24	58		
		94.90 95.90 Trace-0.5% pyrrhotite on fractures.	100906	111.90	112.80	.90	100	8	18	<.2	225	966	37	30	61		
		95.90 96.70 1-2% disseminated pyrrhotite as tiny	100907	112.80	113.40	.60	50	15	29	.2	142	1417	42	35	72		
		clustered patches.	100908	113.40	114.40	1.00	54	6	<5	<.2	117	1379	38	32	69		
		96.70 97.60 2-3% disseminated pyrrhotite as tiny	100909	123.00	124.00	1.00	16	6	17	.4	214	1704	38	34	87		
		clustered patches.	100910	124.00	125.00	1.00	<5	7	5	<.2	114	1042	45	34	63		
		97.60 98.40 1-2% disseminated pyrrhotite as tiny	100911	125.00	126.00	1.00	7	18	15	<.2	154	1087	43	34	67		
		clustered patches.	100912	126.00	127.00	1.00	<5	<5	7	<.2	131	970	42	34	65		
		98.40 99.30 1% disseminated pyrrhotite as tiny															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		clustered patches.															
		99.30 100.30 0.5% pyrrhotite.															
		100.30 101.20 0.5% pyrrhotite.															
		101.20 102.10 0.5% pyrrhotite.															
		102.10 103.00 Trace pyrrhotite.															
		103.00 103.90 0.5% pyrrhotite.															
		103.90 104.80 Trace pyrrhotite.															
		104.80 105.70 Trace pyrrhotite.															
		105.70 106.60 Trace pyrrhotite.															
		106.60 107.60 Trace pyrrhotite.															
		107.60 Blank.															
		107.60 108.00 Trace-0.5% pyrrhotite.															
		108.00 108.90 0.5-1% pyrrhotite.															
		108.90 109.90 0.5% pyrrhotite.															
		109.90 110.90 0.5% pyrrhotite.															
		110.90 111.90 0.5% pyrrhotite.															
		111.90 112.80 A few blebs around 1cm at112.2m, 1% pyrrhotite.															
		112.80 113.40 0.5-1% pyrrhotite as a few tiny blebs (3-4mm) and some fine disseminations.															
		113.40 114.40 Trace pyrrhotite disseminations.															
		123.00 124.00 Check sampling, trace pyrrhotite in fractures.															
		124.00 125.00 Check sampling, trace pyrrhotite in fractures with some mm patches.															
		125.00 126.00 0.5% pyrrhotite as mm sized patches.															
		126.00 127.00 0.5% pyrrhotite.															
127.00	146.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, homogeneous, hard, non magnetic, mesocumulate-adcumulate, fractured, altered.	100913	127.00	128.00	1.00	<5	5	5	<.2	133	937	47	31	60		
			100914	128.00	129.00	1.00	13	<5	5	<.2	118	981	45	29	61		
		Patchy pervasive pale green serpentine alteration (40% of unit).															
		Scattered moderately broken sections of core from 10cm-90cm, RQD 80%.															
		Weak-moderate fracturing with serpentine filling, localized graphite on fractures.															
		1% White calcite +/- serpentine stringers.															
		Trace-0.5% pyrrhotite in and along stringers/fractures.															
		136.90 85-90cm section of broken core with silvery black graphitic fractures, moderately conductive, 0% rqd.															
		Gradual lower contact.															
		127.00 128.00 0.5% pyrrhotite.															
		128.00 129.00 Trace pyrrhotite.															
146.70	167.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, some localized more															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		mesocumulate sections.															
		Weak serpentine alteration.															
		Good RQD of 80-85% with minor broken core.															
		Minor fracturing at 30, 50 and 70 degrees to core axis with white calcite and green serpentine fracture filling.															
		2-3% Multiple generation calcite +/- serpentine stringers.															
		Trace brown to brassy-brown pyrrhotite +/- pyrite associated with stringers/fractures.															
		Gradual/faulted lower contact.															
167.00	206.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, moderately hard, non magnetic, local orange-brown oxidation.															
		Pervasive carbonatization, local weak serpentine.															
		Several sections of broken core with RQD of 65-75% overall.															
		Moderate with some minor fractured sections at medium to high angles, mostly serpentine-calcite filling, +/- graphite locally.															
		1-2% Irregular calcite +/- carbonate stringers.															
		Trace pyrite-pyrrhotite as smears on fractures.															
		167.00 15cm of broken core and fault gouge material.															
		179.50 189.00 Fairly major section of broken core with several sections containing fault gouge material, 15-20% rqd.															
		190.00 Orange-red potassic staining is observed randomly on fractures and in stringers.															
		Lower contact of 70 degrees to core axis.															
206.40	207.10	GRAPHITIC ARGILLITE															
		Dark black, fine grained, soft, non magnetic, conductive.															
		No reaction to HCl, pervasive graphite alteration.															
		Moderately fractured/broken unit with RQD 5-10%, silvery black fractures (graphite).															
		No visible mineralization.															
		Lower contact in broken core.															
207.10	210.90	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Dark black, fine grained, massive, homogeneous, moderately hard, non magnetic, non conductive.															
		Weak calcite alteration with pervasive graphite alteration/staining.															
		Localized broken core with some gouge and graphite on fractures, RQD of 70-75% rqd.															
		Very weak local 70 degrees to core axis foliation.															
		1% White calcite stringers with associated															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		brown-yellow pyrite.															
		Lower contact around 70 degrees to core axis.															
210.90	228.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, moderately															
		hard, non magnetic.															
		Pervasive carbonatization, local weak serpentine.															
		Good RQD of 80-85% with minor broken core.															
		Minor high angle fracturing with serpentine,															
		carbonate and calcite filling.															
		Local weak shearing at 70 degrees to core axis.															
		2-4% Irregular calcite-carbonate stringers,															
		5mm-1.5cm wide.															
		Trace yellow brown pyrite on fractures.															
		211.30 12cm brownish-grey mafic dykelet.															
		211.50 212.10 Weakly faulted section with weakly															
		graphitic gouge.															
		210.90 215.00 Weak 70 degrees to core axis															
		foliation.															
		Lower contact sharp, planar, 65 degrees to core															
		axis.															
228.20	235.60	RHYODACITE LAPILLI TUFF															
		Pale grey-beige, very fine grained, very hard, non															
		magnetic, 5% coarse lapilli to block/bombs (sub															
		rounded, beige).															
		No reaction to HCl, silicified, sericitic.															
		Excellent RQD of 90% with minor high angle															
		fracturing healed with calcite.															
		1% Generally very thin calcite stringers.															
		Rare yellowish pyrite.															
		1% Pinkish-pale beige veins/bands, 6-10cm, 65-70															
		degrees to core axis.															
		230.70 231.30 Intermediate dyke, medium grained,															
		massive, hard, non magnetic, slight															
		reaction to HCl, hematite-potassic															
		staining, contacts at 65 and 60															
		degrees to core axis.															
		Lower contact 65 degrees to core axis.															
235.60	239.00	INTERMEDIATE DYKE															
		Reddish-grey, medium grained, massive, homogeneous,															
		hard, non magnetic.															
		Slight reaction to HCl, patchy pale green sericite															
		alteration.															
		Excellent RQD of 90% with minor high angle															
		fracturing healed with calcite.															
		A few hairlike calcite stringers.															
		0.5%disseminated Pyrite, local possible															
		chalcopyrite at 236.9m.															
		Sharp, stepped lower contact at 60 degrees to core															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		axis.															
239.00	241.50	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Gabbroic mafic intrusive.															
		Dark green, medium-coarse grained, massive,															
		homogeneous, hard, non magnetic.															
		Weak reaction to hcl.															
		Excellent RQD of 95% with minor high angle															
		fractures.															
		1% Calcite stringers.															
		A few 10cm white-pink quartz-potassium feldspar															
		veins at 65-70 degrees to core axis.															
		Rare yellowish pyrite.															
		Lower contact has irregular shaped vein and is															
		potassic-sericite altered, roughly 65-70 degrees to															
		core axis.															
241.50	285.00	RHYODACITE LAPILLI TUFF															
		Pale grayish-brownish, very fine grained, extremely	100915	278.90	279.80	.90	<5	<5	<5	.4	45	65	45	12	14		
		hard, non magnetic.	100916	279.80	280.60	.80	5	<5	<5	.6	54	48	42	14	14		
		15-20% Grey-dark grey medium-coarse lapilli, sub															
		angular throughout unit.															
		Abundant 20% hairlike, brown stringers of sericite															
		at 75 degrees to core axis throughout unit.															
		Highly silicified, bleached.															
		5% Low angle (0-20 degrees to core axis)															
		calcite-quartz+/- chlorite stringers.															
		A few smokey grey quartz veinlets at 70 degrees to															
		core axis.															
		Rare fine pyrite.															
		278.90 279.80 Bracket sample, silicified.															
		279.80 280.60 Highly silicified, 2% quartz															
		stringers, trace pyrite.															
285.00		END OF HOLE															

Date: 12 May, 2009

GOLDEN CHALICE RESOURCES

Page: 1 of 10

DRILL HOLE RECORD

Northing:	5349230.00
Easting:	499030.00
Elevation:	285.00
Collar Azi.:	.0
Collar Dip:	-55.0
Hole length:	342.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Handheld GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	March 21-24, 2009
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
60	10.5	-52.8
111	8.4	-53.1
162	5.9	-53.1
213	3.9	-53.1
264	5.3	-53.2
315	5.1	-53.3

Drill Hole:	GCL9-07
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4202748
Northing:	N/A
Easting:	N/A
GPS Northing:	499030
GPS Easting:	5349230
Date Started:	March 20, 2009
Date completed:	March 24, 2009
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	PM 30g FA, BM AA
Lab:	Expert
Sample series:	100917-941
Lab report:	24397

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	49.00	OVERBURDEN 49.2m Of nw casing.															
49.00	59.30	DIABASE Grey-green, medium grained, very hard, massive, moderately magnetic, porphyritic. No reaction to HCl. 2-3% Green-yellow, plagioclase phenocrysts, 6mm-2cm, rounded to sub rounded. Moderately fractured at 40-50 degrees to core axis with 1-3mm serpentine-chlorite fracture filling. Decent RQD of 75% with minor sections of broken core. 1-2% Medium angled calcite-serpentine stringers. Rare dull yellow pyrite disseminations. Sharp, planar lower contact at 30 degrees to core axis.														
59.30	64.90	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey-black, fine grained, massive, moderately hard, non magnetic. Weak serpentine-carbonate alteration. RQD of 70% with several sections of broken core. Moderate fracturing at 25 and 50 degrees to core axis with serpentine-calcite filling.														

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		1% Irregular serpentine-carbonate-calcite stringers.															
		No visible sulphide mineralization.															
		60.30 61.40 MAFIC INTRUSIVE (UNDIFFERENTIATED), massive, very hard, non magnetic, contacts higher angle (?), broken core.															
		Lower contact in broken core.															
64.90	67.30	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Brown-grey, very hard, fine grained, massive, homogeneous, very hard, non magnetic.															
		No reaction to HCl, silicified.															
		Good RQD of 85% with medium angled serpentine filled fractures.															
		A few hairlike calcite +/- quartz stringers.															
		Sharp, straight lower contact at 45 degrees to core axis.															
67.30	71.90	KOMATIITIC PERIDOTITE BRECCIA															
		Green-grey, fine grained, hard, non magnetic, brecciated.															
		Pervasively serpentine altered.															
		Moderately brecciated with dark green serpentine +/- calcite healing.															
		Minor high angle serpentine filled fracturing.															
		No visible sulphide mineralization.															
		Lower contact at 55 degrees to core axis.															
71.90	77.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic.															
		Weak serpentine-carbonate alteration.															
		Excellent RQD of 90% with minor serpentine alteration.															
		1-2% Irregular serpentine-carbonate stringers.															
		No visible sulphide mineralization.															
		Very sharp, planar lower contact at 25-30 degrees to core axis in broken core.															
77.00	90.80	DIABASE															
		Same as 49-59.3m.															
		Grey-green, medium grained, very hard, massive, moderately magnetic, porphyritic.															
		No reaction to HCl.															
		1% Green-yellow, plagioclase phenocrysts, 3mm-1cm, rounded to sub rounded.															
		Moderately fractured at 40-50 degrees to core axis with 1-3mm serpentine-chlorite fracture filling.															
		Decent RQD of 75% with rare sections of broken core.															
		1-2% Medium angled calcite-serpentine stringers.															
		Rare dull yellow pyrite disseminations.															
		Sharp, planar lower contact at 45 degrees to core															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		axis.															
90.80	97.90	KOMATIITIC PERID0TITE ADCUMULATE Same as 71.9-77m. No visible sulphide mineralization. Gradual lower contact.															
97.90	98.70	KOMATIITIC SPINIFEX PERIDOTITE Dark green-black, random olivine spinifex in dark black adcumulate matrix, non magnetic, hard. Weak serpentine alteration. Excellent RQD of 90% with minor serpentine alteration. No visible sulphide mineralization. Gradual lower contact.															
98.70	134.70	KOMATIITIC PERID0TITE ADCUMULATE Dark black, very fine grained, massive, homogeneous, hard, non magnetic, slight magnetism locally (a few magnetic stringers). Pervasive weak serpentinization. Good RQD of 80-85% with minor-moderate serpentine-calcite filled fractures. 2-3% Fairly high angle white calcite and white pistachio green calcite-serpentine stringers. Rare disseminated pyrrhotite. 104.20 Random olivine spinifex texture. 109.00 15-20cm stubby-random olivine spinifex texture. Sharp lower contact of 35 degrees to core axis.														
134.70	147.20	MAFIC INTRUSIVE (UNDIFFERENTIATED) Grey-green, gabbroic, medium to coarse snow flake textures, massive, homogeneous, very hard, non magnetic. No reaction to HCl, minor serpentine (?). Excellent RQD of 90% with minor high angle, green serpentine fracture filling around 3-6mm thick. 1-2% High angle calcite stringers, some irregular. Rare dull yellow coarse pyrite. 143.80 Unit begins to grade into more fine to medium grain textures. Lower contact rough, 80-85 degrees to core axis.														
147.20	160.20	KOMATIITIC PERID0TITE ADCUMULATE Not typical unit, baked, hardness, 5.5-6, normal unit around 5. Dark grey, fine grained, pitted texture, massive, homogeneous, non magnetic. No reaction to HCl, silicified. Excellent RQD of 95% +/-.														

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Minor high angle serpentine filled fracturing.															
		1-1.5% Hairlike, white-grey calcite stringers.															
		No visible sulphide mineralization.															
		Gradual lower contact.															
160.20	162.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Difficult to distinguish chicken scratch olivine															
		spinifex texture, mm-cm sized.															
		Matrix is same as 147.2-160.2m.															
		No visible sulphide mineralization.															
		Gradual lower contact.															
162.20	181.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-green-blackish, fine grained, massive,															
		moderately hard to hard, non conductive.															
		Weak serpentine with sections of carbonate and															
		graphite.															
		Good RQD of 80-85% with a few sections of broken															
		core related to graphitic staining/fractures.															
		Minor fracturing at low-medium angles, mostly															
		serpentine filling with sections of silvery-black															
		graphite.															
		168.40 169.60 Weakly sheared/foliated section at															
		30-40 degrees to core axis.															
		169.60 170.20 Pale green-whitish-grey, pervasive															
		serpentinization-carbonatization,															
		sharp lower contact of 20 degrees to															
		core axis.															
		170.20 173.10 Dirty black, pervasive graphite															
		alteration/staining, non conductive															
		(?), locally faulted, gradual lower															
		contact.															
		170.50 171.10 Faulted section, 45% graphitic fault															
		gouge, 0% RQD, contacts 60-70 degrees															
		to core axis and in broken core.															
		176.40 181.90 Dark black, heavily graphite altered															
		section, no reaction to HCl, no															
		brecciation, minor fracturing with															
		dark green serpentine and															
		silvery-black graphite fracture															
		filling.															
		Gradual lower contact.															
181.90	184.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black, heavily graphite altered section, no															
		reaction to HCl, minor brecciation, mm-cm sized															
		olivine spinifex throughout unit.															
		Good RQD of 85% with medium angled serpentine															
		filled fractures and occasional broken core.															
		No visible sulphide mineralization.															
		Gradual lower contact.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
184.10	194.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, fine grained, hard, massive, homogeneous, non magnetic, leucoxinitic. Patchy green serpentine alteration and local graphite. Excellent RQD of 90% with high angle serpentine fracture filling. 1% Medium angled calcite-serpentine stringers. Trace-0.5% pyrrhotite-pyrite smears on fractures. Gradual lower contact.															
194.10	201.40	KOMATIITIC SPINIFEX PERIDOTITE															
		194.10 194.45 35cm graphitic argillite, dark black, highly graphitic, massive, very fine grained, highly conductive, gradational contact.	100917	194.45	195.50	1.05	5	12	12	.2	77	427	68	20	46		
			100918	195.50	196.50	1.00	10	10	12	.3	114	520	34	23	51		
			100919	196.50	197.50	1.00	<5	<5	8	<.2	143	779	27	22	59		
			100920	197.50	198.60	1.10	<5	<5	<5	.4	139	1095	18	13	56		
		194.45 195.50 Random olivine spinifex texture, mm-cm sized, abundant broken core/fractured, no visible sulphides.	100921	198.60	199.00	.40	<5	<5	<5	<.2	93	457	36	22	34		
			100922	199.00	199.80	.80	<5	9	13	<.2	124	511	46	23	51		
			100923	199.80	200.60	.80	<5	9	12	<.2	94	334	44	22	45		
		195.50 197.50 Patchy graphitic altered section with random olivine spinifex, 0.5-1% pyrrhotite.	100924	200.60	201.40	.80	<5	11	11	<.2	96	455	40	22	47		
		197.50 198.60 Dark grey more massive, section, no spinifex or graphite.															
		198.60 199.00 Graphitic argillite, massive, fractured, no visible sulphides, highly conductive.															
		199.00 201.40 Random olivine spinifex with patchy graphite, trace-0.5% pyrrhotite.															
		Gradual lower contact.															
		194.45 195.50 Check sample.															
		195.50 196.50 Trace pyrite-pyrrhotite.															
		196.50 197.50 0.5% pyrite-pyrrhotite.															
		197.50 198.60 No visible sulphides.															
		198.60 199.00 Graphite, nil sulphides.															
		199.00 199.80 Trace pyrite-pyrrhotite.															
		199.80 200.60 Trace pyrite-pyrrhotite.															
		200.60 201.40 Trace-0.5% pyrite-pyrrhotite.															
201.40	214.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, moderately hard, non magnetic. Weak localized serpentine alteration, some minor graphite. Good RQD of 90%. Minor fracture with serpentine filling and rare graphite. Unit is cut by several mostly dark green serpentine stringers. Localized, remobilized pyrrhotite-pyrite in and on	100925	201.40	201.40	.00	14	68	90	.8	2750		82	35	191	1.33	
			100926	205.50	206.50	1.00	5	8	6	<.2	110	1059	34	17	60		
			100927	206.50	207.00	.50	<5	<5	7	.3	129	970	34	17	57		
			100928	207.00	208.00	1.00	<5	<5	6	<.2	128	974	40	20	59		
			100929	208.00	209.00	1.00	<5	6	8	<.2	100	717	45	22	54		
			100930	209.00	210.00	1.00	<5	11	16	.2	101	458	63	23	46		
			100931	213.00	214.00	1.00	<5	8	13	.3	123	1041	93	22	61		
			100932	214.00	214.50	.50	5	<5	10	.3	136	774	175	40	60		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		fractures.															
		214.45 8mm-1cm oval pyrite bleb.															
		Lower contact at 75 degrees to core axis.															
		201.40 Standard ni113.															
		205.50 206.50 Bracket sample.															
		206.50 207.00 Up to 1% finely disseminated brassy brown pyrrhotite +/- pyrite.															
		207.00 208.00 0.5% pyrrhotite.															
		208.00 209.00 0.5% pyrrhotite.															
		209.00 210.00 Trace pyrite-pyrrhotite.															
		213.00 214.00 Bracket sample.															
		214.00 214.50 Trace pyrite, single bleb.															
214.50	215.60	GRAPHITIC ARGILLITE															
		Dark black, very fine grained, massive, soft, highly conductive, non magnetic.	100933	214.50	215.60	1.10	16	<5	<5	.9	304	729	3194	75	86		
		Pervasive graphite alteration.															
		Moderately broken, 65% RQD, high angle fracturing, a few minor fault gouge sections.															
		1% Mostly pyrite +/- pyrrhotite, remobilized on fractures/stringers and a dozen around 1cm pyrite-pyrrhotite blebs to patches.															
		Lower contact at 60 degrees to core axis.															
		214.50 215.60 1-1.5% pyrite-pyrrhotite.															
215.60	227.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, moderately hard, non magnetic, locally conductive.	100934	215.60	216.60	1.00	<5	<5	7	.2	174	628	161	26	51		
			100935	216.60	217.50	.90	<5	6	13	.3	132	519	70	26	51		
		Weak serpentine-carbonate alteration with sections of graphite alteration.	100936	217.50	218.40	.90	<5	7	11	.4	115	486	47	20	52		
			100937	218.40	219.20	.80	<5	9	13	.3	110	342	49	18	45		
		RQD of 70% with several sections of broken core.	100938	219.20	220.00	.80	8	12	16	.3	120	352	46	18	44		
		Moderately fractured with serpentine filling, local graphitic fractures.															
		0.5% Irregular serpentine-carbonate-calcite stringers.															
		Trace pyrrhotite-pyrite smears on fractures, up to around 1% in graphitic sections.															
		215.60 220.00 Dark grey-black, fine grained, massive, hard, patchy pervasive graphite alteration, 0.5-1% remobilized pyrite-pyrrhotite.															
		Gradual lower contact.															
		215.60 216.60 0.5% pyrite-pyrrhotite smears.															
		216.60 217.50 0.5% pyrite-pyrrhotite smears.															
		217.50 218.40 0.5% pyrite-pyrrhotite smears.															
		218.40 219.20 Trace pyrite-pyrrhotite smears.															
		219.20 220.00 Trace pyrite-pyrrhotite smears.															
227.80	247.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic.	100939	231.10	231.60	.50	5	7	10	<.2	100	1190	39	26	63		
			100940	231.60	231.90	.30	7	9	9	<.2	98	1176	37	26	65		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Weak pistachio green serpentine alteration.	100941	231.90	232.40	.50	<5	<5	9	<.2	104	1179	37	26	64		
		Decent RQD of 90% with rare broken core.															
		2-4% Irregular white calcite stringers +/- quartz															
		and/ or serpentine.															
		Trace fine disseminated pyrrhotite and specks on															
		fractures.															
		Gradual lower contact.															
		231.10 231.60 No visible sulphides.															
		231.60 231.90 Single 4mm oval bleb associated with															
		stringer.															
		231.90 232.40 Trace disseminated pyrrhotite.															
247.60	258.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine-medium grained, massive, non															
		magnetic, locally weakly sheared/brecciated.															
		Weak serpentine, minor carbonate.															
		Good RQD of 90% with minor broken core and high															
		angle serpentine filled fractures.															
		Weak shear foliation at 60 degrees to core axis.															
		0.5% Generally high angle calcite stringers.															
		Trace-0.5% pyrrhotite-pyrite smears on fractures.															
		256.10 12cm graphitic argillite, contact 60															
		degrees to core axis. Bhtem.															
		Gradual lower contact.															
258.30	290.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Similar to 227.8-247.6m.															
		Dark black, fine grained, massive, homogeneous,															
		hard, non magnetic.															
		Weak pistachio green serpentine alteration.															
		Decent RQD of 80-85% with minor broken core.															
		Weak fracturing at medium angles,															
		serpentine-calcite fracture filling.															
		2-4% Irregular white calcite stringers +/- quartz															
		and/ or serpentine.															
		Trace fine disseminated pyrrhotite and specks on															
		fractures.															
		274.80 278.20 Grayish, more mesocumulate section,															
		gradual contacts.															
		287.60 289.40 Brownish-reddish, biotitic section(?).															
		289.40 290.60 Weak 50 degrees to core axis															
		shearing, a few silvery black															
		graphitic fractures.															
		Lower contact at 60 degrees to core axis.															
290.60	297.10	FAULT ZONE															
		Major fault zone in komatiitic peridotite															
		mesocumulate.															
		Minor local graphite alteration.															
		RQD of 0%, high angle fracturing, 10% local fault															
		gouge.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		No visible sulphide mineralization.															
		Gradual lower contact.															
297.10	304.70	KOMATIITIC PERIDOTITE SHEARED															
		Variable shearing in komatiitic peridotite															
		mesocumulate.															
		Grey-dark grey-whitish, moderately hard, non															
		magnetic, fine grained, moderately sheared.															
		Weak serpentine +/- carbonate and graphite locally.															
		Moderately sheared at 40 degrees to core axis.															
		Good RQD of 85% with 40-50 degrees to core axis															
		fracturing filled with serpentine.															
		Rare dull yellow pyrite on fractures.															
		302.50 8cm highly conductive black graphitic															
		band.															
		Sharp, rough lower contact at 55 degrees to core															
		axis.															
304.70	315.50	DIABASE															
		Dark grey, fine-medium grained, massive,															
		homogeneous, very hard, weak-moderate magnetism,															
		porphyritic.															
		No reaction to HCl, minor silicification and															
		serpentine alteration locally.															
		Excellent RQD of 90% with high angle fracturing															
		filled with serpentine and calcite.															
		2-3% Fairly large on average plagioclase															
		phenocrysts, yellowish, 5mm-2.5cm.															
		0.5% Hairlike calcite-serpentine stringers.															
		Trace dull yellow disseminated pyrite.															
		313.90 315.50 Broken core, 65-70% rqd.															
		Sharp lower contact of 70 degrees to core axis.															
315.50	317.40	KOMATIITIC PERIDOTITE SHEARED															
		Weakly-moderately sheared komatiitic peridotite															
		mesocumulate.															
		Upper contact faulted, 5mm gouge.															
		Pale grey-green, fine grained, moderately hard, non															
		magnetic.															
		Weakly carbonate and serpentine altered.															
		Shearing at 60-65 degrees to core axis.															
		Good RQD of 90%, minor fracturing with serpentine															
		filling.															
		Minor calcite-carbonate stringers parallel to															
		shearing.															
		Rare dull yellow pyrite.															
		Lower contact at 60 degrees to core axis.															
317.40	319.00	DIABASE															
		Same as 304.7-315.5 metre but with no phenocrysts															
		and a slightly more baked up look, 0.5% dull yellow															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		pyrite.															
		Lower contact at 60 degrees to core axis.															
319.00	330.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		More or less typical carbonate-serpentine altered unit.															
		Dark grey-black-greenish, fine grained, moderately hard, non magnetic.															
		Good RQD of 90% with minor serpentine-carbonate filled fractures.															
		Localized shearing at 60 degrees to core axis.															
		2-3% Irregular calcite-carbonate stringers.															
		Rare dull yellow pyrite.															
		319.90 8cm random olivine spinifex (?).															
		320.90 321.40 Brownish-grey, mafic dyke, same as DIABASE (?), 60 degrees to core axis contacts, minor pyrite.															
		329.50 330.10 Weakly sheared/foliated section at 60 degrees to core axis.															
		Lower contact at 55 degrees to core axis.															
330.10	332.85	RHYODACITE LAPILLI TUFF															
		Pale grey-beige, fine grained, very hard, non magnetic, sheared-foliated.															
		No reaction to HCl, silicified, patchy potassic alteration.															
		Fine grey-beige lapilli scattered throughout.															
		Foliated-sheared at 60-65 degrees to core axis.															
		A few generations of cross cutting calcite-quartz stringers +/- pink potassium feldspars.															
		Rare fine disseminated pyrite.															
		Lower contact at 60 degrees to core axis.															
332.85	334.80	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Gabbroic mafic intrusive.															
		Dark green, medium grained, massive, homogeneous, hard, non magnetic.															
		Moderate reaction to HCl, chlorite altered (?).															
		Excellent RQD of 95% with high angle calcite-serpentine filling.															
		Rare pyrite.															
		Lower contact at 65 degrees to core axis.															
334.80	342.00	ANDESITE LAPILLI TUFF															
		Light beige-grey-brown, very fine grained, vey hard, non magnetic, sheared/foliated.															
		Pervasive silicification and sericite bleaching.															
		Weak to moderate shearing-foliation at 40-60 degrees to core axis.															
		Mostly beige grey fine lapilli with a few coarse-block/bomb sections.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Weakly foliated-sheared at 40 and 60 degrees to core axis. 0.5% High angle calcite-quartz stringers, hairlike. Rare dull yellow pyrite.															
342.00		END OF HOLE															

Date: 12 May, 2009 — GOLDEN CHALICE RESOURCES — Page: 1 of 14

Northing: 5349383.00
Easting: 499724.00
Elevation: 285.00

Collar Azi.: 325.0
Collar Dip: -65.0

Hole length: 352.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: George Sparling
Date(s) logged: April 3, 2009.
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
77	319.6	-65.2
128	331.0	-65.6
179	331.4	-65.7
230	332.3	-65.8
281	331.0	-66.4
332	331.6	-66.8

Drill Hole: GCL9-08
Project: Langmuir Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349383
GPS Easting: 499724
Date Started: April 1, 2009.
Date completed: April 7,2009.
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 100942-950, 104001-013.
Lab report: 24441

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	66.00	OVERBURDEN 66m Of nw casing.															
66.00	68.30	KOMATIITIC PERID0TITE ADCUMULATE Basically ruble, 0% RQD, no visible sulphides, moderately magnetic. Gradual lower contact. 68.20 70.20 Greenish-yellow serpentinized matrix with random slightly brown (biotite altered) olivine spinifex.															
68.30	70.70	KOMATIITIC SPINIFEX PERIDOTITE 70.20 70.70 Grayish-black random olivine spinifex, a few cm in size on average. Gradual lower contact.															
70.70	78.50	KOMATIITIC PERID0TITE ADCUMULATE Dark grey to dark black, fine grained, massive, moderate magnetism, hard, massive, fractured. Very weak serpentine, no reaction to hcl. RQD of 75-80% with minor broken core. Minor fracturing at 30 and 60 degrees to core axis with 1-5mm thick dark green serpentine and white calcite as filling. 1% White fracture controlled calcite stringers with															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		greenish serpentine rimming and oriented around 30 degrees to core axis. No visible sulphides. Gradual lower contact.															
78.50	86.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Random dark green olivine spinifex throughout from mm-cm sized up to 6-8cm in places. Dark grey to dark black, fine grained, massive, moderate magnetism, hard, massive, fractured. Very weak serpentine, no reaction to hcl. RQD of 65-70% with sections of broken core. Fracturing at predominately 60 degrees to core axis with serpentine calcite filling. 0.5% White-green calcite-serpentine stringers (fracture controlled). Rare specks of pyrite on fractures. 78.50 80.50 Mm-cm sized olivine spinifex. 80.50 82.30 Somewhat discontinuous section of olivine spinifex up to 4-5cm. 82.30 85.00 Broken core, 20% RQD, spinifex (?). 85.00 86.00 Grayish-black section with very large distinct olivine spinifex from 5-7cm and at random orientations.															
86.00	93.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, hard, magnetic, fractured.\. Weak serpentine alteration. Good RQD of 80% with minor broken core. Minor-moderate fracturing at 60-70 degrees to core axis with thin serpentine-calcite filling. 0.5% Irregular serpentine-calcite stringers. Nil to rare pyrite on fractures. Gradual lower contact.															
93.30	93.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Random grayish-white to green olivine spinifex. Grayish-black adcumulate matrix, fine grained, massive, magnetic, hard. Minor serpentine filled fractures, good RQD of 85%. No visible sulphides. Gradual lower contact.															
93.80	98.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with some grayish sections, fine grained, massive, homogeneous, hard, magnetic. Weak serpentine alteration. Good RQD of 80% with minor broken core. Minor fracturing at 30 and 60 degrees to core axis with 1-5mm thick dark green serpentine and white															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		calcite as filling.															
		No visible sulphides.															
		Gradual lower contact.															
98.00	98.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale grayish green, serpentine altered, chicken															
		scratch olivine spinifex, no visible sulphides.															
		Gradual lower contact.															
98.40	117.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with some grayish sections, fine															
		grained, massive, homogeneous, hard, weak magnetism															
		grading to very weakly magnetic.															
		Weak serpentine alteration.															
		Good RQD of 80-85% with minor sections broken core.															
		Fracturing at predominately at 60 with some at 30															
		degrees to core axis with serpentine calcite															
		filling.															
		1-2% Fractured controlled serpentine and calcite															
		stringers.															
		No visible sulphides.															
		Gradual lower contact with some broken core,															
		noticeable change in hardness.															
117.00	138.80	KOMATIITIC PYROXENITE															
		Pale to emerald green-grey, fine grained with 5-8%															
		chlorite (maybe some pyroxene) up to 5mm in matrix,															
		very hard (6ish), non magnetic, interstial															
		leucoxene locally.															
		Minor serpentine alteration, no reaction to hcl.															
		Good RQD of 90% with minor serpentine (maybe															
		chlorite) filled fractures and local minor sections															
		of broken core.															
		1% Grey-green serpentine stringers +/- calcite at															
		for the most particularly fairly high angles.															
		Nil to rare pyrite on fractures.															
		117.00 117.70 Brownish biotite altered section.															
		132.60 134.60 Moderately foliated in irregular															
		swirl patterns.															
		135.50 138.80 Graphitic altered komatiitic															
		pyroxenite (slightly more peridotite															
		looking). The section is graphite															
		altered, has a few graphitic															
		argillite slivers and has graphite															
		filled fractures and staining around															
		stringers. 1% yellow-brown pyrite															
		along stringers/fractures. Minor															
		broken core.															
		Lower contact is located in broken core and is															
		oriented at approximately 60 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
138.80	140.00	GRAPHITIC ARGILLITE Dark black, very fine grained, massive, highly conductive, non magnetic. Graphite altered, very weak reaction to hcl. RQD of 45% with broken core throughout. Moderately fractured, fracturing oriented at 60 degrees to core axis with some at 30 degrees to core axis. Fractures are filled with silvery black highly conductive graphite. Rare hairlike white calcite stringers. 1% Or so dull yellow pyrite along stringers and fractures. Lower contact, planar, 55 degrees to core axis.															
140.00	143.00	KOMATIITIC SPINIFEX PERIDOTITE Dark black to green, very fine to fine grained, massive, moderately hard, non conductive with conductive fractures (graphite). Pervasive graphite alteration. Very faint dark black random olivine spinifex can be seen scattered throughout unit, ranging from 4-6cm size. RQD of 80% with minor broken core. Moderate fracturing at around 30 degrees to core axis with silvery black graphite filling. Trace dull yellow pyrite on fractures. Gradual lower contact.														
143.00	150.30	KOMATIITIC PERIDOTITE MESOCUMULATE Dark green-black matrix, fine grained, massive, homogeneous, moderately hard, non magnetic, localized conductive fractures due to graphite, local leucoxene. Pale green somewhat patchy serpentine alteration with section of weak graphite. 2-3% Graphitic argillite sections. Good RQD of 85% with localized minor broken core. Weak-moderate fracturing at 30, 50 and 60 degrees to core axis. The fracture are filled with dark green serpentine and/or silvery-black graphite. 1-2% Dark green serpentine with a few white calcite stringers. 0.5% Dull pyrite as localized almost blobs in stringers and fractures. 148.00 15cm graphitic argillite. Gradual lower contact.														
150.30	154.00	KOMATIITIC SPINIFEX PERIDOTITE Greenish-grey section, fine grained, hard, non magnetic, mesocumulate. Randomly oriented green-grey olivine spinifex														

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		throughout, 1cm-6cm sized.															
		Decent RQD of 80% with a few 5-10cm sections of broken core.															
		Moderate fracturing at 50-60 degrees to core axis with dark green serpentine +/- rare calcite.															
		A few 60 degrees to core axis hairlike calcite stringers.															
		Rare pyrite on fractures.															
		Gradual lower contact.															
154.00	168.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to dark green, fine grained, massive, homogeneous, hard, non magnetic.	100942	164.60	165.30	.70	5	11	6	<.2	76	1266	42	19	77		
			100943	165.30	166.30	1.00	<5	5	5	.2	74	1210	47	18	72		
		Patchy grayish-green serpentine alteration and localized black graphite.	100944	166.30	166.90	.60	<5	5	5	<.2	139	1123	47	16	67		
			100945	166.90	167.50	.60	<5	<5	5	.2	189	1165	47	15	68		
		Good RQD of 85% with localized minor broken core.															
		Weak fracturing at 65-75 degrees to core axis with serpentine filling +/- calcite and locally graphite filled.															
		1-2% White calcite stringers at medium to high angles.															
		Overall trace pyrite associated with stringers/fractures. Localized section of 0.5% to maybe 1% disseminated pyrite with trace amounts of brassy brown pyrrhotite as smears on fractures.															
		164.60 166.90 0.5-1% disseminated pyrite, trace pyrrhotite smears on fractures.															
		Gradual lower contact.															
		164.60 165.30 Trace pyrrhotite smears.															
		165.30 166.30 0.51% disseminate pyrite +/- pyrrhotite.															
		166.30 166.90 0.5% pyrite-pyrrhotite smears on fractures.															
		166.90 167.50 Trace pyrrhotite smears.															
168.50	169.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Poorly developed section of random to dendritic dark green olivine spinifex set in pale green-grey serpentine altered matrix.															
		No visible sulphides.															
		Gradual lower contact.															
169.20	186.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, hard, non magnetic.															
		Weak serpentine alteration, patchy almost pistachio green alteration locally.															
		RQD of 75% with a few sections of broken core.															
		Moderate fracturing at 50, 60 and 70 degrees to core axis with serpentine +/- calcite filling.															
		1-2% Medium-high angle calcite-quartz +/-															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		serpentine stringers.															
		Trace brassy brown pyrrhotite-pyrite on fractures.															
		175.20 6cm of graphitic argillite gouge.															
		173.90 35cm of broken core.															
		185.60 80cm pale grayish altered section.															
		186.60 186.90 0.5% disseminated pyrite.															
		Gradual lower contact.															
186.90	187.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green random 4-5cm sized olivine spinifex set															
		in dark green-black adcumulate.															
		Minor fracturing, a few calcite stringers, no															
		visible sulphides.															
		Gradual lower contact.															
187.90	198.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green-black to dark grey, fine grained,															
		massive, homogeneous, hardness around 5, non															
		magnetic.															
		Weakly serpentine altered.															
		Good RQD of 85% with localized rare broken core.															
		Minor 60-70 degrees to core axis fracturing with															
		serpentine-calcite filling +/- orange-brown															
		oxidation.															
		1-3% White calcite +/- quartz, serpentine or															
		oxidation, a few generations at 30 and 60-70															
		degrees to core axis.															
		Trace-0.5% locally pyrite +/- pyrrhotite in															
		fractures/stringers.															
		197.00 198.20 Moderate graphitic with local															
		graphitic fractures and broken core,															
		non conductive matrix.															
		Lower contact at 45-50 degrees to core axis.															
198.20	200.10	GRAPHITIC ARGILLITE															
		Cloudy dark black, very fine grained, massive,															
		homogeneous, moderately hard, non magnetic, highly															
		conductive.															
		Pervasive graphite alteration.															
		RQD of 70% with a few sections of broken core.															
		Moderate fracturing at 0-70 degrees to core axis.															
		0.5% Fracture controlled stringers.															
		1-1.5% Brownish-yellow pyrite blebs associated with															
		stringers/fractures. Generally sub rounded to oval															
		shaped, no visible pyrrhotite mineralization.															
		Lower contact at 60 degrees to core axis.															
200.10	200.80	KOMATIITIC SPINIFEX PERIDOTITE															
		White to grey-white black stubby olivine spinifex															
		set in dark black moderately graphite and weak															
		biotite altered matrix. Spinifex are very difficult															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		to see due to alteration.															
		A few calcite stringers with trace dull yellow pyrite.															
		Gradual lower contact.															
200.80	230.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic. Some grayish borderline mesocumulate-altered sections.															
		Locally pervasive pistachio green serpentine alteration.															
		Good RQD of 85% with minor fracturing at 70-75 degrees to core axis, filling serpentine-calcite.															
		2-3% Irregular calcite stringers.															
		Rare-trace pyrite-pyrrhotite associated with fractures/stringers.															
		200.80 203.00 Mesocumulate-adcumulate section, unusual section, appears more medium grained, weak graphite and biotite as alteration and in matrix, 0.5%calcite stringers, rare pyrite.															
		226.60 230.00 Pale grayish green, serpentine altered, more mesocumulate altered section.															
		227.40 2-3cm wide quartz-calcite vein at 0-10 degrees to core axis.															
		Lower contact gradual-faulted.															
230.00	241.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Not typical komatiitic peridotite adcumulate unit but typical of stratigraphic sequence seen on langmuir property above carbonate altered rocks.															
		Dark grey-black, fine grained, faulted, moderately hard, non magnetic, non conductive.															
		Dark black graphite altered with sections of weak serpentine and carbonate alteration.															
		Abundant faulting for at least 30% of unit.															
		Faulting-weathered sections are oriented at 70-75 degrees to core axis and contain very little fault gouge.															
		RQD of 70% with several sections of broken core surrounding faulting.															
		Fracturing is oriented at 70-75 degrees to core axis with dark green serpentine and occasional conductive graphite, white calcite and orange-brown oxidation.															
		1-3% Irregular grayish-white serpentine +/- white calcite stringers.															
		Trace amounts of yellow-brown pyrite specks around stringers/fractures.															
		Gradual lower contact.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
241.40	264.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark green-black, fine grained, adcumulate-mesocumulate, moderate hardness, non magnetic.															
		Pervasive carbonatization.															
		Good RQD of 90% with minor high angle fracturing filled with carbonate-calcite and serpentine.															
		5% Irregular but fairly low angle calcite-carbonate stringers.															
		Rare pyrite on fractures/stringers.															
		247.00 5-8cm fault-gouge section.															
		Gradual lower contact.															
264.60	266.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green chicken scratch and random olivine spinifex in weakly serpentine altered adcumulate-mesocumulate matrix.															
		1-2% Irregular calcite stringers, good RQD of 90%, no visible sulphides.															
		Gradual lower contact.															
266.20	295.85	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same general unit as 241.4-264.6m.															
		Dark green-black, fine grained, adcumulate-mesocumulate, moderate hardness, non magnetic.															
		Pervasive carbonatization.															
		Good RQD of 90% with minor high angle fracturing filled with carbonate-calcite and serpentine.															
		5% Irregular but fairly low angle calcite-carbonate stringers/veinlets.															
		Rare pyrite on fractures/stringers.															
		279.90 282.20 Pale grey-green section due to moderate serpentine alteration, grades in and out of alteration.															
		280.90 281.30 Brownish biotite altered section, possible chicken scratch olivine spinifex (?), could be micro fracturing.															
		293.45 294.20 Dark brown, non magnetic, massive moderately biotite altered section, alteration contacts are gradual.															
		295.40 20cm section of biotite alteration, same as 293.45-294.2m.															
		Sharp, undulating lower contact at 25 degrees to core axis.															
295.85	299.45	QUARTZ FELDSPAR PORPHYRY															
		Grey to medium grey, fine grained, homogeneous, weakly porphyritic, very hard, non magnetic.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Slightly potassic altered as halo alteration around fractures/stringers, no reaction to hcl. 2-3% White, faint, fairly hard (5.5-6), round, quartz with some feldspar phenocrysts around 2-5mm sized. Good RQD of 90% with 70 degrees to core axis polished fractures filled with serpentine +/- calcite. A few 75 degrees to core axis calcite stringers. No sulphides observed. Sharp, planar lower contact at 50 degrees to core axis.															
299.45	307.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, moderately hard, non magnetic, non conductive. Weak pervasive carbonate alteration with weak pale green serpentine alteration locally. Good RQD of 85-90% with minor broken core and serpentine-calcite filled fractures at 50, 60 and 70 degrees to core axis. 2% 60-70 Degrees to core axis white-grey calcite +/-serpentine and/ or carbonate. Trace, local dull yellow pyrite rimming stringers. Lower contact roughly 70-75 degrees to core axis, drilling destroyed contact.															
307.60	310.85	INTERMEDIATE DYKE															
		Grey-brown, fine-medium grained, hard, non magnetic, massive, homogeneous. No reaction to HCl, weak biotite alteration. Excellent RQD of 95% with a few serpentine-calcite filled fractures. A few very faint quartz stringers and thin calcite stringers. Trace-0.5% pyrite locally distributed around quartz stringers.															
		309.50 309.70 Komatiitic peridotite adcumulate, dark black-grey, moderately hard, a few specks of cubic pyrite on lower contact.															
		309.70 310.35 Mafic intrusive, grey-brown, massive, homogenous, non magnetic, hard (5.5), trace 3-4mm sized pyrite cubes, sharp contacts at 45 and 40 degrees to core axis.															
		310.35 310.85 Komatiitic peridotite, green-brown-grey, massive, hard, weak serpentine alteration with more pervasive biotite, lower contact at 50 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
310.85	312.50	INTERMEDIATE DYKE Grey to dark grey, medium with some coarse grained sections, massive, hard, non magnetic. Weak biotite and potassic alterations. Two separate brecciated sections of 10cm and 20cm with sub angular brownish slightly biotitic fragments from 5mm-4cm. Excellent RQD of 95% with minor serpentine-calcite filled fractures. Rare dull yellow specks of pyrite. 312.30 20cm pale grey, very hard section, slightly potassic, intermediate dykelet (?). Lower contact at 45 degrees to core axis.															
312.50	313.80	KOMATIITIC PERIDOTITE MESOCUMULATE Dark black, fine grained, massive, homogeneous, moderately hard. Weakly carbonate altered. Excellent RQD of 95% with minor fracturing filled with serpentine and calcite. A few thin calcite stringers. Rare pyrite. 312.55 A few 1cm 70-75 degrees to core axis quartz stringers. Lower contact at 70 degrees to core axis.															
313.80	316.30	INTERMEDIATE DYKE Grey-reddish, medium grained, massive, homogeneous, hard, non magnetic. Pervasive hematite alteration. Excellent RQD of 90-95% with a few serpentine filled fractures. 1-2% Calcite stringers at 30-35 degrees to core axis. Trace-0.5% dull yellow fairly coarse disseminations of pyrite. 316.00 A few 5-12cm quartz stringer/veins at 0tca rimmed with dark green-black chlorite. Sharp, slightly rough lower contact at 80 degrees to core axis. 315.50 316.00 Bracket sample, trace pyrite. 316.00 316.30 Check sample, trace-0.5% pyrite, 2-3% quartz.	100946	315.50	316.00	.50	5	<5	<5	<.2	116	74	58	11	17		
			100947	316.00	316.30	.30	8	<5	<5	<.2	30	60	54	13	23		
316.30	319.60	KOMATIITIC PERIDOTITE MESOCUMULATE Dark green-black, fine grained, adcumulate-mesocumulate, moderate hardness, non magnetic, minor shearing-foliation.	100948	316.30	316.80	.50	<5	9	9	<.2	66	387	74	20	62		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Weak serpentine and carbonate altered.															
		Weak shearing/foliation at 60-65 degrees to core															
		axis.															
		Good RQD of 85% with thin serpentine +/- calcite.															
		2-3% White calcite stringer sub parallel to															
		parallel of shearing-foliation at 40, 50 and 60															
		degrees to core axis.															
		Trace-0.5% clustered pyrite cubes.															
		Sharp, planar lower contact at 60 degrees to core															
		axis.															
		316.30 316.80 Bracket sample, trace pyrite.															
319.60	329.90	INTERMEDIATE DYKE															
		Dark grey to reddish, medium grained, massive,	100949	326.00	327.00	1.00	<5	<5	<5	<.2	73	247	45	12	26		
		hard-very hard, non magnetic.	100950	327.00	327.00	.00	<5	<5	<5	<.2	60	18	22	24	14		
		Dark red pervasive hematite until 321.5m were it	104001	327.00	328.00	1.00	13	<5	<5	<.2	54	187	42	11	23		
		abruptly stops at contact with andesite and then it	104002	328.00	329.00	1.00	11	<5	<5	<.2	200	212	48	13	28		
		continues as a fairly weak alterations throughout	104003	329.00	329.90	.90	5	9	5	.4	90	274	66	30	34		
		unit.															
		0.5% Dark green-black chloritic sub angular															
		fragments are randomly distributed throughout unit.															
		Good RQD of 90% with minor 70-75 degrees to core															
		axis fracturing filled with dark green-black															
		chlorite +/- calcite or hematite.															
		2-3% 2mm-2cm Calcite +/- quartz, chlorite or															
		hematite at 50 and 70 degrees to core axis.															
		Trace-0.5% scattered dull yellow coarse															
		pyrite/pyrite cubes in local clusters, some in															
		interesting concentrations around stringers.															
		321.50 322.20 Andesite, dark green-grey, non															
		magnetic, foliated-sheared at 50															
		degrees to core axis, upper contact															
		abrupt 70-80 degrees to core axis															
		alteration contact with a sharp,															
		distinct contact at 55 degrees to															
		core axis.															
		Lower contact at 60 degrees to core axis.															
		326.00 327.00 1% calcite-quartz stringers, trace															
		pyrite.															
		327.00 Blank.															
		327.00 328.00 0.5% pyrite, 1% calcite-quartz															
		stringers, hematite.															
		328.00 329.00 0.5% pyrite, 1% quartz stringers,															
		hematite.															
		329.00 329.90 0.5-1% pyrite, 0.5% quartz stringers,															
		hematite.															
329.90	334.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark green-black, fine grained,	104004	329.90	330.90	1.00	<5	13	9	.2	52	677	41	15	54		
		adcumulate-mesocumulate, moderate hardness, non															
		magnetic, minor shearing-foliation.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Weak serpentine and carbonate altered.															
		Good RQD of 90% with minor 70 degrees to core axis															
		fracturing filled with serpentine.															
		Very weak local 50 degrees to core axis foliation.															
		0.5% Calcite stringers.															
		Rare dull yellow pyrite.															
		Lower contact at 45 degrees to core axis.															
		329.90 330.90 Nil sulphides.															
334.00	339.00	ANDESITE															
		Dark green, medium grained, very hard, non	104005	338.00	338.60	.60	9	22	17	<.2	97	102	64	14	36		
		magnetic, weak local shearing.	104006	338.60	339.00	.40	<5	<5	<5	<.2	57	42	32	7	12		
		No reaction to HCl, minor chlorite alteration.															
		Good RQD of 85-90%.															
		Minor fracturing at 65-70 degrees to core axis															
		filled with dark green chlorite and occasional thin															
		white calcite.															
		Weak foliation at roughly 50 degrees to core axis.															
		1-2% Locally clustered, fracture controlled calcite															
		stringers with a general orientation of around															
		45-50 degrees to core axis, cross cutting foliation.															
		Rare to trace light yellow-brown fairly coarse															
		pyrite specks.															
		336.65 3cm wide intermediated dyklet sliver															
		with contacts at 50 degrees to core															
		axis.															
		338.40 339.00 Silicified, humanized, potassic															
		section with minor pyrite and a few															
		calcite stringers.															
		Sharp lower contact at 60 degrees to core axis.															
		338.00 338.60 Trace pyrite, bracket sample.															
		338.60 339.00 Siliceous, hematitic, trace pyrite.															
339.00	340.00	INTERMEDIATE DYKE															
		Dark grey, medium grained, massive, homogeneous,	104007	339.00	339.50	.50	<5	5	<5	.3	91	215	120	24	36		
		slightly weathered look.															
		Slight reaction to hcl.															
		Decent RQD of 80% with fracturing/ jointing at 60															
		degrees to core axis, rare chlorite-calcite															
		fracture filling.															
		1% Calcite stringers composed of 2 generations, 1															
		white only calcite at 30 degrees to core axis and															
		calcite-chlorite at 55 degrees to core axis.															
		Trace dull brown-yellow pyrite.															
		Sharp, rough lower contact at 60 degrees to core															
		axis.															
		339.00 339.50 Trace pyrite, bracket sample.															
340.00	343.50	ANDESITE SHEARED															
		Green-grey matrix in less altered section, altered															
		sections are pink to beige colored, moderately															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		sheared/foliated, hard-very hard, non magnetic.															
		Variable alterations, minor fairly weak green chlorite, weak to moderate silicification, patchy to locally pervasive beige-pink-orange potassic alteration.															
		Moderately sheared/foliated at 45-50 degrees to core axis.															
		Good RQD of 90%.															
		Minor around 50 degrees to core axis fracturing parallel to foliation/shearing with rare 1-2mm white calcite filling.															
		Multiple generations white calcite +/- quartz and/or potassic stringers cross cutting foliation at 20, 30 and 50 degrees to core axis.															
		Trace amounts of fine to more coarse pyrite can be seen with a general association with stringers/ fractures.															
		342.10 342.60 Intermediate dyke, dark grey-green, massive, non magnetic, a few 60 degrees to core axis calcite stringer, rare pyrite, contacts are sharp, planar and oriented at 55 degrees to core axis.															
343.50	345.20	INTERMEDIATE DYKE															
		Red-brown, medium grained, massive, homogeneous, hard, non magnetic.															
		Weak reddish hematite alteration.															
		Excellent RQD of 90% with minor fracturing at 50 degrees to core axis +/- calcite-chlorite.															
		1% Calcite stringers composed of 2 generations, 20 and 55 degrees to core axis.															
		Rare dull yellow specks of pyrite.															
		Sharp, planar lower contact at 45 degrees to core axis.															
345.20	352.00	ANDESITE SHEARED															
		Same general unit 340-343.5m.	104008	347.00	347.90	.90	13	6	<5	<.2	151	25	22	8	10		
		Pale grey-greenish with pink-beige-orange sections, fine grained, hard to very hard, non magnetic,	104009	347.90	348.90	1.00	6	5	<5	.3	40	18	23	10	12		
		moderately with strong tightly foliated sheared	104010	348.90	349.90	1.00	<5	<5	<5	<.2	23	21	31	8	9		
		sections.	104011	349.90	350.90	1.00	5	<5	<5	<.2	25	11	23	10	10		
		Variable alterations, minor fairly weak green	104012	350.90	351.60	.70	<5	<5	<5	<.2	26	25	78	11	23		
		chlorite, weak to moderate silicification, 75% of	104013	351.60	352.00	.40	5	<5	<5	<.2	16	17	19	6	8		
		unit is moderately potassic altered, (patchy to pervasive beige-pink-orange).															
		Moderate foliated-shearing at 50 degrees to core axis with strongly foliated section at 40 degrees to core axis.															
		Good RQD of 90-95%.															
		Minor fracturing paralleling foliation-shearing at															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		40-50 degrees to core axis with some 30 degrees to core axis along cross cutting stringer/ vein structures.															
		1-2% Cross cutting white calcite +/- epidote and/or quartz at 40 and 50 degrees to core axis.															
		1% Milky white quartz veins from 4-8cm wide cross cutting foliation at 40-45 degrees to core axis.															
		Trace fine pyrite around stringers/ veins.															
		350.90 351.60 Intermediate dyke, green-grey, massive, medium grained, non magnetic, trace pyrite, a few calcite- epidote stringers, contacts at 60 and 40 degrees to core axis.															
		347.00 347.90 1% combined quartz-calcite stringers/veinlets, trace pyrite.															
		347.90 348.90 3-4% combined quartz-calcite stringers/veinlets, trace pyrite.															
		348.90 349.90 2% combined quartz-calcite stringers/veinlets, trace pyrite.															
		349.90 350.90 2-3% combined quartz-calcite stringers/veinlets, trace pyrite.															
		350.90 351.60 Check dyke, contacts, trace pyrite.															
		351.60 352.00 Bracket sample, altered, trace pyrite, a few calcite stringers.															
352.00		END OF HOLE															

Date: 12 May, 2009 | GOLDEN CHALICE RESOURCES | Page: 1 of 5

Northing: 5348990.00
Easting: 498845.00
Elevation: 300.00

Collar Azi.: .0
Collar Dip: -50.0

Hole length: 251.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: April 8-16, 2009
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
38	3.8	-49.8
152	4.3	-50.8
203	3.7	-50.7
251	3.6	-50.8

Drill Hole: GCL9-09

Project: Langmuir Zone
Property: Langmuir
Claim: 4203564
Northing: N/A
Easting: N/A
GPS Northing: 498845
GPS Easting: 5348990
Date Started: April 8, 2009
Date completed: April 15, 2009
Drilled by: Norex
Sample type: Cut Core
Analyses: N/A
Lab: N/A
Sample series: N/A
Lab report: N/A

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	26.00	OVERBURDEN 26m Of nw casing.															
26.00	39.50	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey-black, fine grained, massive, moderately hard to hard, non magnetic. Weakly carbonate altered. Good RQD of 80% with a few minor sections of broken core. Minor fracturing at 60 and 70 degrees to core axis, fractures filled with dark green serpentine +/- carbonate. 2-3% Irregular white-grey calcite-carbonate stringers. Nil to rare pyrite. Gradual lower contact.															
39.50	40.10	KOMATIITIC SPINIFEX PERIDOTITE Dark green 3-5cm sized randomly oriented olivine spinifex, nil sulphides, good RQD of 90%. Gradual lower contact.															
40.10	52.60	KOMATIITIC PERIDOTITE MESOCUMULATE Similar to 26-39.5m. Dark grey-black, fine grained, massive, moderately															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		hard to hard, non magnetic, faulted.															
		Weak-moderate carbonate altered.															
		Good RQD of 70-75% at best with several faulted															
		sections with associated broken core.															
		Weak to moderate fracturing at 60-70 degrees to															
		core axis with dark green serpentine +/- carbonate															
		or clay gouge.															
		2% Irregular white-grey calcite-carbonate stringers.															
		Nil to rare pyrite.															
		40.90 41.70 Faulted-broken core, 20% RQD, 5% gouge.															
		45.40 47.00 Faulted-broken core, 0% RQD, 2% gouge,															
		80% rec.															
		51.10 51.60 Broken core, 15% rqd.															
		Sharp lower contact at 80 degrees to core axis.															
52.60	56.20	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Mi/kpd (?).															
		Dark grey, medium grained, massive, very hard,															
		moderate magnetism, fractured.															
		Weak reaction to HCl, weak biotite alteration (?).															
		RQD of 50-60% with large sections of broken core.															
		Moderate fracturing at 20, 40 and 70 degrees to															
		core axis, fractures filled with dark green															
		serpentine with local dark red hematite or															
		potassium feldspar on fractures.															
		Rare irregular calcite stringers.															
		Rare pyrite.															
		Lower contact in broken core, no discernable															
		contact.															
56.20	127.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, moderately															
		hard to hard, non magnetic to slightly magnetic															
		locally.															
		Weakly to locally moderately carbonate altered,															
		occasional green serpentine alteration.															
		Good RQD of 80-85% with a few minor sections of															
		broken core.															
		Minor fracturing at 60 and 70 degrees to core axis,															
		fractures filled with dark green serpentine +/-															
		carbonate, minor faulting locally.															
		3-4% Irregular white-grey calcite-carbonate															
		stringers.															
		Nil to rare pyrite.															
		56.20 56.90 Faulted section with10% gouge, 0% rqd.															
		56.90 57.10 Mafic dyke, brown-black, fine grained,															
		massive, very hard, contacts at 80 and															
		50 degrees to core axis.															
		62.60 15cm fractured section with minor gouge															
		on fractures.															
		64.40 65.10 Minor faulted section with 5% gouge on															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		fractures and 10% rqd.															
		64.50 9cm white quartz veinlet at 75 degrees to core axis.															
		92.50 111.00 Unit is slightly less altered, more adcumulate to mesocumulate.															
		108.70 109.10 Brownish, distinctly biotite altered section.															
		125.60 126.20 Mafic dyke, brown-black, biotitic, medium grained, massive, hard, contacts at sharp, planar 50 degrees to core axis.															
		Sharp lower contact at 55 degrees to core axis.															
127.30	136.10	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Dark grey-black to grey, medium grained, massive, hard, moderately magnetic.															
		No reaction to hcl.															
		1.5m and 2-3m chill margins on upper and lower contacts, more fine grained.															
		Good RQD of 85% with local broken core.															
		Minor fracturing at 30, 50 and 70 degrees to core axis with dark green serpentine filling.															
		2% Irregular dark green serpentine stringers and up to 1%white-grey calcite-serpentine stringers.															
		Nil to rare pyrite.															
		Sharp lower contact at 40 degrees to core axis.															
136.10	147.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey-green-black, fine grained, non magnetic, hard, massive, homogeneous.															
		Weak pistachio green serpentine alteration.															
		Good RQD of 85% with minor fracturing filled with dark green serpentine +/- calcite.															
		2-3% White calcite+/- quartz stringers/ veinlets from hairlike to 3cm wide, variable orientation from low to high angles.															
		Rare coarse to cubic dull brown-yellow pyrite.															
		142.60 143.30 Mafic dyke, dark grey-black, fine grained, massive, non magnetic, 0.5-1% very coarse dull yellow-brown pyrite, contacts at 55 degrees to core axis.															
		144.40 145.60 Mafic dyke, dark grey, very hard, massive, non magnetic, trace pyrite associated with hairlike calcite stringers, contacts at 40 degrees to core axis.															
		Sharp, undulating lower contact at 40 degrees to core axis.															
147.50	182.00	MAFIC INTRUSIVE (UNDIFFERENTIATED)															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Dark grey-greenish with brownish and orange-reddish tinges, overall medium grained with sections of fine grained and medium-coarse grained, massive, hard-very hard, non magnetic, mafic to intermediate composition, abundant 2-3mm up to 7mm biotite in matrix. Weakly calcite, brown biotite and pink-orange-reddish potassic altered sections with occasional associated silicification. Occasional pale green, sub angular mafic fragments. Good RQD of 90% with localized broken core. Minor fracturing at 30 and 70 degrees to core axis with green serpentine and white calcite fracture filling. 2% White, hairlike calcite +/- quartz and/ or potassic alterations locally, oriented at 30, 40 and 50 degrees to core axis, some are fracture controlled. Trace to 0.5% yellow-brown pyrite, generally coarse and associated with stringers/ fractures but occasional fine disseminations associated with silicified-potassic sections.														
		172.50 173.00 Blocky/ broken core, 0% rqd.															
		172.50 174.70 Pink-orange pervasively potassic altered section, massive, 70% RQD, rare pyrite, distinct alteration contacts.															
		Lower contact in broken core, roughly 60-70 degrees to core axis.															
182.00	184.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, hard, local weak 70 degrees to core axis foliation, 1% irregular serpentine stringer with secondary crosscutting calcite stringers, no visible sulphides. Lower contact at 60 degrees to core axis.															
184.10	185.60	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Same as 147.5-182m. Lower contact at 60 degrees to core axis.															
185.60	186.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 182-184.1m. Sharp, rough lower contact at 35 degrees to core axis.															
186.20	220.50	DIABASE															
		Gabbroic, 30cm very fine grained chill margin on upper contact, fine-medium grained to around 197m and then coarse grained. Dark grey to grey, massive, homogenous, moderately															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		magnetic, porphyritic.															
		No reaction to hcl.															
		2-3%irregular Shaped white to yellow-green															
		plagioclase phenocrysts from a few mm to 1.5cm.															
		Good RQD of 85-90% with rare minor broken core.															
		Fracturing at 20, 35, 70 and 80 degrees to core															
		axis with dark green very thin serpentine fracture															
		filling.															
		Rare hairlike calcite +/- serpentine at 20-35															
		degrees to core axis, occasional serpentine															
		stringer.															
		Rare dull yellow pyrite associated with stringers/															
		fractures.															
		Sharp, chilled, rough lower contact at 45 degrees															
		to core axis.															
220.50	251.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black, fine grained, massive, homogeneous,															
		moderately magnetic to 229m then weakly to non															
		magnetic, mesocumulate to adcumulate.															
		Weakly serpentine altered with very weak to weak															
		carbonate altered sections.															
		Local minor foliation at 50-60 degrees to core axis.															
		Good RQD of 90% with weak to moderate fracturing at															
		50 and 65 degrees to core axis, a few fractures at															
		35-40 degrees to core axis. 1-4mm															
		calcite-serpentine and carbonate fracture filling.															
		Multiple generations of up to 3-4% irregular to															
		higher angle combinations of calcite and/ or															
		carbonate, serpentine and rarely quartz.															
		Nil to extremely rare dull yellow pyrite associated															
		with secondary structure (i.e. Stringers/															
		fractures).															
		242.50 243.80 Weakly foliated section at 50 degrees															
		to core axis with several gouge															
		filled fractures, weathered,															
		moderately hard, carbonate altered.															
		244.90 247.00 Locally brecciated section with sub															
		rounded fragments extenuated by pale															
		green serpentine alteration.															
251.00		END OF HOLE															

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Northing: 5349250.00
Easting: 499010.00
Elevation: 285.00

Collar Azi.: 357.0
Collar Dip: -65.0

Hole length: 377.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: April 17, 2009
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
50	357.0	-63.4
101	357.2	-64.4
203	350.3	-64.9
254	356.0	-64.9
302	354.5	-65.0
353	357.5	-64.9

Drill Hole: GCL9-10

Project: Langmuir Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349250
GPS Easting: 499010
Date Started: April 15, 2009
Date completed: April 17, 2009
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 104014-098
Lab report: 24440

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	39.00	OVERBURDEN 39m Of nw casing.															
39.00	48.40	KOMATIITIC PERID0TITE ADCUMULATE Dark black-grey, fine grained, massive, homogeneous, non magnetic, adcumulate-mesocumulate. Weakly carbonate-serpentine altered. Good RQD of 90% with minor sections of broken core. Weak to moderate fracturing at 20, 30 and 40 degrees to core axis with thin serpentine, calcite filling. 1-2% White-grey fracture controlled carbonate-calcite stringers. No visible sulphides. Lower contact at 40 degrees to core axis.															
48.40	51.10	MAFIC INTRUSIVE (UNDIFFERENTIATED) Dark grey-brown, fine-medium grained, massive, homogeneous, hard-very hard, non magnetic. Minor biotite alteration, slightly silicified locally, no reaction to hcl. Excellent RQD of 90% with minor serpentine-calcite fracture filling. 1% Thin white calcite stringers at 40 degrees to core axis +-/ quartz and/ or biotite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Trace yellowish pyrite associated with stringers.															
		49.50 49.90 Same as 39-48.4m, contacts at 50 and 40 degrees to core axis.															
51.10	54.50	BASALT BRECCIA TECT0NIC															
		Monolithic breccia, emerald green to dark green, fine grained, non magnetic, very hard.															
		Minor chlorite, no reaction to hcl.															
		Strong monolithic brecciation cemented in chlorite (possible selvages ?). Fragments are angular to sub angular and range in size from a few mm to 7cm.															
		Good RQD of 90%.															
		Minor 40 and 50 degrees to core axis fracturing filled with chlorite-calcite.															
		Unit is cut by a few secondary white calcite stringers up to 1cm wide.															
		No visible sulphides.															
		Sharp lower contact at around 60 degrees to core axis.															
54.50	60.80	MASSIVE BASALT															
		Emerald to dark green, fine grained, massive, hard-very hard, non magnetic, local weak brecciation, amygdaloidal.															
		No reaction to HCl, minor chlorite.															
		Good RQD of 90% with minor calcite-chlorite filled fractures.															
		Tiny around 1-2mm sub rounded to oval calcite filled amygdules.															
		No visible sulphides.															
		60.10 60.80 Gradual change from dark green to brown-black, hardness grades from hard to moderately hard.															
		Lower contact roughly 55 degrees to core axis.															
60.80	108.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black grey with pale grayish sections, fine grained, moderately hard to hard, weakly magnetic with non magnetic sections, moderately hard to hard, massive, homogeneous.															
		Weak serpentine (local pistachio green) and local very weak carbonate alteration.															
		Decent RQD of 80% with a few scattered sections of broken core.															
		Moderately fractured at various angles from 35-70 degrees to core axis. Fractures are filled/ healed with dark green serpentine and white calcite.															
		2-3% Irregular grey-white calcite-serpentine +/- carbonate stringers throughout.															
		Nil to rare pyrite associated fracturing.															
		72.00 Minor gouge filled slip at 60 degrees															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		to core axis.															
		83.00 Unit grading into more dark black typical adcumulate unit seen on the langmuir property.															
		Gradual lower contact.															
108.60	109.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Faint random olivine spinifex in dark black, fine grained adcumulate matrix.															
		No visible sulphides.															
		Gradual lower contact.															
109.30	123.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Typical dark black adcumulate, fine grained, massive, homogenous, fractured, hard, magnetic.															
		Weak serpentine alteration.															
		Good RQD of 75% with several sections of broken core.															
		Moderate fracturing at 40-60 degrees to core axis with dark green serpentine and white calcite fracture filling.															
		Unit is cut by 1% hairlike to 5mm white calcite +/- serpentine stringers at 40 and 70 degrees to core axis.															
		Nil to rare pyrite-pyrrhotite associated fracturing.															
		Sharp lower contact at 50 degrees to core axis.															
123.90	131.80	DIABASE															
		Dark grey-greenish, fine-medium grained, massive, homogeneous, magnetic, porphyritic, fractured.															
		Minor serpentine alteration, localized weak reaction to hcl.															
		Good RQD of 80% with small sections of broken core.															
		Weak-moderately fractured at 35, 50 and 75 degrees to core axis. Fracture filling consists of serpentine and calcite.															
		1% White hairlike, irregular calcite stringers and a few dark green serpentine stringers at 45-50 degrees to core axis.															
		Trace dull yellow pyrite associated with stringers/ fractures.															
		Sharp lower contact at 50 degrees to core axis.															
131.80	134.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with grayish sections, fine grained, massive, homogenous, fractured, hard, magnetic.															
		Weak serpentine alteration.															
		Good RQD of between 75-85% with minor broken core.															
		Weak-moderately fracturing at 20, 60 and 70 degrees to core axis. Fracture filling consists of serpentine and calcite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		1-2% White to dark green calcite and serpentine stringers at low angles 20-40 degrees to core axis. Rare pyrite and/ or pyrrhotite associated with stringers/ fractures. Gradual lower contact.															
134.10	134.60	KOMATIITIC SPINIFEX PERIDOTITE Faint grayish-green olivine spinifex, no visible sulphides. Gradual lower contact.															
134.60	165.20	KOMATIITIC PERID0TITE ADCUMULATE Dark black with grayish sections, fine grained, massive, homogenous, fractured, hard, magnetic. Weak serpentine alteration. RQD of 80% with several small sections of broken core. Minor to moderate fracturing at 40-70 degrees to core axis with serpentine-calcite fracture filling. 1-2% White to green-white calcite-serpentine stringers at medium to high angles from 50-70 degrees to core axis. Rare pyrite and/ or pyrrhotite associated with stringers/ fractures. Blank.															
165.20	165.70	KOMATIITIC SPINIFEX PERIDOTITE Random, slightly brecciated locally dark green olivine spinifex. Good RQD of 90% with a few fracture controlled calcite stringers. No visible sulphides. Gradual lower contact.															
165.70	206.60	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained, massive, homogeneous, hard, magnetic, fractured. Weak serpentine alteration. Good RQD of 85% with a few generally minor sections of broken core. Weak-moderate fracturing at generally 50-60 degrees to core axis with dark green serpentine and white calcite fracture filling. 1-3% White to grey-white calcite +/- serpentine and dark green serpentine stringers at 50-70 degrees to core axis. Rare dull yellow pyrite and extremely rare pyrrhotite associated with stringers/ fractures. Gradual lower contact.															
206.60	207.10	KOMATIITIC SPINIFEX PERIDOTITE															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Dark green randomly oriented olivine spinifex from a few cm to 5-7cm set in dark black adcumulate matrix. Good RQD of 90% with a few calcite-serpentine filled fractures. A few high angle calcite stringers. No visible sulphides.															
207.10	227.30	KOMATIITIC PERID0TITE ADCUMULATE Dark black with grayish sections, fine grained, massive, homogeneous, hard, non to weakly magnetic, fractured, borderline mesocumulate in sections. Weak serpentine alteration +/- very weak carbonate alteration. Good RQD of 85-90% with localized minor sections of broken core. Minor 50-60 degrees to core axis fracturing filled with serpentine and calcite. 1-2% White to greenish white calcite +/- serpentine stringers at 40-60 degrees to core axis. Nil to rare pyrite associated with stringers/ fractures. Gradual lower contact decided by distinct change in hardness and matrix coloration.															
227.30	237.30	KOMATIITIC PERID0TITE ADCUMULATE Not typical unit measurably harder (5.5-6), pale grey black, fine grained, massive, homogeneous, on magnetic. No reaction to HCl, very weak serpentine alteration. Good RQD of 90% with minor fracturing at 50, 60 and 70 degrees to core axis. Fracture filling consists of thin white calcite and green serpentine. 1% Or so hairlike high angle calcite stringers. Rare to trace dull yellow pyrite on fractures. 235.60 Minor slip, 2mm gouge at 65 degrees to core axis. Gradual lower contact.															
237.30	238.90	KOMATIITIC SPINIFEX PERIDOTITE Not typical spinifex, altered grey-white with occasional dark green chicken scratch olivine spinifex. Weak serpentine alteration. No visible sulphides. 238.70 Minor faulted section, 3-4mm gouge, 70-75 degrees to core axis. Gradual lower contact.															
238.90	240.80	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey-green to black, fine grained, massive,	104014	239.30	239.90	.60	5	<5	6	.3	38	574	118	24	69		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		hard, non magnetic.	104015	239.90	240.80	.90	<5	<5	<5	.4	307	76	77	15	42		
		Weak serpentine and carbonate altered.															
		Good RQD of 85-90% with minor 50-60 degrees to core															
		axis fracturing filled with minor serpentine and															
		calcite.															
		1% Higher angle calcite stringers.															
		Trace-0.5% localized yellow-brown pyrite with trace															
		brassy brown pyrrhotite along stringers/ fractures.															
		239.90 Gradual change in hardness, more															
		adcumulate looking unit.															
		Lower contact irregular 65-70 degrees to core axis.															
		239.30 239.90 Bracket sample.															
		239.90 240.80 0.5% combined pyrite-pyrrhotite.															
240.80	249.00	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Dark green-grey, fine grained grading to more	104016	240.80	241.90	1.10	5	<5	<5	.2	131	69	66	13	37		
		medium grained with depth, massive, homogeneous,	104017	241.90	242.90	1.00	5	<5	<5	<.2	204	58	70	11	31		
		very hard, non magnetic.	104018	248.00	249.00	1.00	7	5	5	<.2	134	100	78	17	42		
		Weak local reaction to hcl.															
		Minor white 1-2mm sized leucoxene.															
		Good RQD of 85% with minor broken core.															
		1-2% White hairlike to 3-4mm calcite stringers +/-															
		rare quartz and/ or serpentine at 25, 50 and 65															
		degrees to core axis.															
		A few 1-4cm wide quartz stringers.															
		Trace to at best 0.5% combined pyrite-pyrrhotite															
		locally associated with stringers.															
		240.80 241.90 Fine grained chill margin with															
		distinct contacts.															
		Lower contact at 65 degrees to core axis.															
		240.80 241.90 0.5% combined pyrite-pyrrhotite.															
		241.90 242.90 Trace pyrite-pyrrhotite.															
		248.00 249.00 Trace pyrrhotite.															
249.00	251.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey, massive, homogeneous, hard, non	104019	249.00	249.30	.30	<5	<5	<5	.5	43	1147	53	14	62		
		magnetic, minor leucoxene.	104020	249.30	250.30	1.00	5	7	5	<.2	84	1446	36	11	78		
		Weak serpentine alteration, local weak carbonate	104021	250.30	250.80	.50	<5	<5	5	<.2	96	1328	48	13	75		
		alteration, no reaction to hcl.	104022	250.80	251.30	.50	<5	9	10	.4	105	712	99	20	71		
		RQD of 90% with minor serpentine +/- calcite filled															
		fractures.															
		Minor rehealed fractures/ very weak brecciation															
		healed with dark green serpentine.															
		0.5% Dark green serpentine stringers at 35 degrees															
		to core axis.															
		Trace brassy brown pyrrhotite and brown-yellow															
		pyrite, remobilized along stringers/ fractures and															
		as tiny patchy clustered disseminations grading to															
		1% down hole.															
		249.00 25cm pale green-grey serpentine															
		altered with dark green weak															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		fracturing/ brecciation healed with dark green serpentine, trace pyrrhotite associated with fractures/ brecciation.															
		249.30 250.30 Trace to at best 0.5% combined pyrite-pyrrhotite locally associated with stringers/ fractures.															
		250.30 250.80 1% brassy brown pyrrhotite with at best 0.5% pyrite associated with stringers/ fractures.															
		250.80 251.30 Pale green serpentine alteration, slightly hard, similar to upper contact, odd almost dendritic looking fracturing, spinifex (?), 0.5% brassy brown pyrrhotite as dissemination and associated with fractures.															
		Gradual lower contact.															
		249.00 249.30 0.5% pyrite-pyrrhotite.															
		249.30 250.30 Trace-0.5% pyrite-pyrrhotite.															
		250.30 250.80 1% pyrrhotite, 0.5% pyrite.															
		250.80 251.30 0.5% pyrrhotite.															
251.30	254.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black-grey serpentine- graphite altered unit with scattered sections of dark green random olivine spinifex. Fine grained, non magnetic, weakly conductive in altered sections with highly conductive graphitic fractures. RQD of 75% with several minor sections of broken core. Weak-to moderate fracturing/ brecciation healed/ filled with dark green serpentine and silver grey conductive graphite. Trace-0.5% brassy brown pyrrhotite as smears on fractures and disseminations.	104023	251.30	252.00	.70	<5	11	10	.2	88	762	140	22	77		
			104024	252.00	252.80	.80	5	13	11	.4	176	1087	189	25	96		
			104025	252.80	252.80	.00	15	72	93	.8	2602		92	27	240	1.34	
			104026	252.80	253.50	.70	5	7	8	.6	109	1304	268	27	96		
			104027	253.50	254.10	.60	<5	9	10	.3	106	954	204	22	85		
			104028	254.10	254.70	.60	<5	15	10	.4	138	978	195	22	80		
		251.90 10cm weathered/brecciated section.															
		252.60 12cm section of random olivine spinifex.															
		253.50 254.70 Distinct dark green-black olivine spinifex section.															
		Gradual lower contact.															
		251.30 252.00 Trace pyrite-pyrrhotite.															
		252.00 252.80 Trace pyrite-pyrrhotite.															
		252.80 Standard ni 113.															
		252.80 253.50 Trace-0.5% pyrite-pyrrhotite.															
		253.50 254.10 Trace pyrite-pyrrhotite.															
		254.10 254.70 Trace pyrite-pyrrhotite.															
254.70	258.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive,	104029	254.70	255.50	.80	<5	6	8	.3	178	1386	163	27	90		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		homogeneous, hard, non magnetic.	104030	255.50	256.40	.90	<5	11	8	.3	151	1297	157	23	86		
		Weak serpentine and patchy black graphite.	104031	256.40	257.30	.90	<5	10	8	.4	162	1250	156	24	89		
		Good RQD of 90% with minor fracturing at 50, 70 and	104032	257.30	258.00	.70	<5	9	9	.3	150	1257	133	21	90		
		80 degrees to core axis. Fracture filling consists	104033	258.00	258.50	.50	<5	10	9	.3	112	1083	89	22	87		
		of thin white calcite and green serpentine +/-															
		silver black graphite.															
		A few generations of medium to high angle															
		calcite-serpentine stringers.															
		Trace-1% or so brassy brown pyrrhotite and up to															
		0.5% yellow/ brown pyrite along stringers/															
		fractures with local disseminated sections.															
		255.10 1cm yellow-brown bleb of pyrite.															
		254.70 257.30 Trace-0.5% pyrite-pyrrhotite															
		associated with fractures/ stringers,															
		occasional smears on fractures.															
		257.30 258.50 Roughly 1% pyrrhotite +/- pyrite up															
		to 0.5% associated with stringers/															
		fractures and as tiny clustered															
		patchy disseminations.															
		Gradual lower contact.															
		254.70 255.50 Trace pyrite-pyrrhotite.															
		255.50 256.40 Trace pyrite-pyrrhotite.															
		256.40 257.30 Trace pyrite-pyrrhotite.															
		257.30 258.00 1-2% pyrrhotite, trace-0.5% pyrite.															
		258.00 258.50 0.5% pyrrhotite.															
258.50	259.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green random olivine spinifex in	104034	258.50	259.10	.60	6	11	9	.3	80	958	58	23	81		
		adcumulate-mesocumulate matrix, hard, on magnetic.															
		Weak serpentine alteration with local blackish															
		graphite alteration.															
		Good RQD of 95% with minor serpentine-graphite															
		filled fractures.															
		Trace pyrrhotite as smears on fractures.															
		Gradual lower contact.															
		258.50 259.10 Trace pyrite-pyrrhotite.															
259.10	266.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine grained, massive,	104035	259.10	260.00	.90	<5	10	8	.3	81	1221	44	19	82		
		homogeneous, hard, non magnetic.	104036	260.00	261.00	1.00	<5	11	7	.3	89	1271	37	15	78		
		Weak serpentine alteration with local blackish	104037	261.00	262.00	1.00	<5	11	7	.3	128	1340	39	16	81		
		graphite alteration.	104038	262.00	263.00	1.00	6	7	7	.5	171	1252	47	16	79		
		Good RQD of 95% with minor serpentine-graphite	104039	263.00	264.00	1.00	<5	10	7	.3	174	1240	53	19	82		
		filled fractures.	104040	264.00	265.00	1.00	6	44	51	.3	149	973	70	23	91		
		Several generations of up to 1-2% white-black	104041	265.00	266.00	1.00	<5	15	18	.9	68	781	63	19	76		
		serpentine-calcite stringers.															
		259.10 266.00 Trace maybe 1-2% pyrite-pyrrhotite															
		associated with fractures/ stringers,															
		occasional smears on fractures.															
		Gradual lower contact.															
		259.10 260.00 0.5% pyrite-pyrrhotite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		260.00 261.00 Trace-0.5% pyrite-pyrrhotite.															
		261.00 262.00 1% pyrrhotite, trace-0.5% pyrite.															
		262.00 263.00 1-2% pyrrhotite disseminations/ fracture smears.															
		263.00 264.00 1-2% pyrrhotite disseminations/ fracture smears.															
		264.00 265.00 0.5% pyrrhotite.															
		265.00 266.00 Trace-0.5% pyrite-pyrrhotite.															
266.00	278.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey, massive, homogeneous, hard, non	104042	266.00	267.00	1.00	<5	11	9	.7	179	1066	46	19	77		
		magnetic, locally amygdules.	104043	267.00	268.00	1.00	6	14	9	.4	265	1073	37	17	78		
		Weak pale grey-green serpentine alteration +/-	104044	268.00	269.00	1.00	5	15	12	.4	73	928	42	19	69		
		carbonate.	104045	269.00	270.00	1.00	6	15	12	.3	38	643	54	19	61		
		Good RQD of 80-85% with a few minor sections of	104046	270.00	271.00	1.00	<5	14	10	.3	36	643	57	20	65		
		broken core.	104047	271.00	272.00	1.00	7	15	9	.3	94	790	47	19	67		
		Weak to moderate fracturing at 30, 40 and 60	104048	272.00	273.00	1.00	<5	13	12	.8	114	956	45	21	76		
		degrees to core axis with dark green serpentine and	104049	273.00	274.00	1.00	<5	6	7	.3	81	971	31	21	74		
		white calcite filling.	104050	274.00	274.00	.00	<5	<5	<5	<.2	58	26	16	29	16		
		A few generation, 1-2%, white, white-grey and	104051	274.00	275.00	1.00	25	13	7	1.2	72	967	31	20	74		
		grey-green calcite, serpentine and	104052	275.00	276.00	1.00	10	8	7	.4	75	924	29	21	71		
		calcite-serpentine stringers at 40, 60 and 70	104053	276.00	277.00	1.00	12	10	9	.3	82	972	29	21	73		
		degrees to core axis.	104054	277.00	278.00	1.00	<5	10	10	.4	84	916	35	22	75		
		Nil to trace pyrite-pyrrhotite associated with	104055	278.00	278.70	.70	15	18	19	.5	248	1083	32	22	78		
		stringers/ fractures.															
		266.00 269.00 1-2% dark green serpentine filled amygdules from 3-8mm in size.															
		Gradual lower contact.															
		266.00 267.00 Trace pyrite-pyrrhotite, check sampling.															
		267.00 268.00 Trace pyrite-pyrrhotite, check sampling.															
		268.00 269.00 Trace pyrite-pyrrhotite, check sampling.															
		269.00 270.00 Trace pyrite-pyrrhotite, check sampling.															
		270.00 271.00 Trace pyrite-pyrrhotite, check sampling.															
		271.00 272.00 Trace pyrite-pyrrhotite, check sampling.															
		272.00 273.00 Trace pyrite-pyrrhotite, check sampling.															
		273.00 274.00 Trace pyrite-pyrrhotite, check sampling.															
		274.00 Trace pyrite-pyrrhotite, check sampling.															
		274.00 275.00 Trace pyrite-pyrrhotite, check sampling.															
		275.00 276.00 Trace pyrite-pyrrhotite, check sampling.															
		276.00 277.00 Trace pyrite-pyrrhotite, check															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		sampling.															
		277.00 278.00 Trace pyrite-pyrrhotite, check sampling.															
		278.00 278.70 Trace pyrite-pyrrhotite, reddish-orange oxidation along fracturing.															
278.70	304.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Heavily mineralized, dark black to cloudy grey-black, fine grained, massive, homogeneous, hard, non magnetic.	104056	278.70	279.00	.30	14	47	97	.6	215	3400	29	24	107	.34	
			104057	279.00	279.80	.80	53	57	152	.7	596	6900	33	28	158	.69	
			104058	279.80	280.30	.50	6	10	13	.7	95	1800	35	27	94	.18	
		Weak serpentine alteration with more pistachio green alteration around stringers fractures.	104059	280.30	280.60	.30	19	44	157	.5	393	8100	32	27	214	.81	
			104060	280.60	281.45	.85	8	13	17	.8	144	2100	32	27	97	.21	
		Good RQD of 80-85% with a few sections of broken core.	104061	281.45	282.30	.85	40	16	28	.7	145	2200	32	30	104	.22	
			104062	282.30	283.40	1.10	38	24	33	.3	133	2400	31	26	114	.24	
		Minor with localized moderate fracturing at 20, 40, 60 and 70 degrees to core axis with serpentine and calcite filling +/- orange oxidation. Rodenbergite (?).	104063	283.40	284.20	.80	19	13	10	.2	99	2100	33	24	100	.21	
			104064	284.20	285.00	.80	5	15	19	.3	190	2400	31	24	103	.24	
			104065	285.00	285.90	.90	<5	5	<5	.2	72	2100	35	27	100	.21	
			104066	285.90	286.70	.80	<5	<5	<5	.3	95	1600	29	26	74	.16	
		Multiple generations of white calcite, white-grey calcite-serpentine and orange-brown oxidation +/- quartz and dark green serpentine stringers.	104067	286.70	287.30	.60	18	16	35	.4	291	2100	23	31	90	.21	
			104068	287.30	287.80	.50	87	77	177	2.6	1132	8800	34	31	274	.88	
			104069	287.80	288.80	1.00	<5	34	87	.5	421	4800	36	28	165	.48	
		278.70 287.30 Trace to 1-2% sulphides as very fine (barely visible) interstial brassy brown pyrrhotite disseminations, tiny patches and specks +/- pentlandite, local pyrrhotite blebs around 1cm in size with pentlandite within blebs, local large patches of pyrrhotite +/- pentlandite as well as blobs of pentlandite.	104070	288.80	289.50	.70	<5	36	73	.5	863	4100	35	26	164	.41	
			104071	289.50	290.20	.70	5	26	60	.4	576	4000	37	27	148	.40	
			104072	290.20	290.80	.60	6	90	199	.6	1042	11300	39	28	308	1.13	
			104073	290.80	291.70	.90	<5	31	70	.4	360	4300	37	27	145	.43	
			104074	291.70	292.60	.90	<5	19	37	.3	190	3100	40	28	125	.31	
			104075	292.60	292.60	.00	18	18	21	1.4	3914	2600	26	12	86	.26	
			104076	292.60	293.50	.90	<5	30	61	.9	399	3900	39	27	145	.39	
			104077	293.50	294.50	1.00	<5	16	21	.3	133	2600	43	27	102	.26	
			104078	294.50	295.50	1.00	<5	20	30	.5	193	3000	36	27	130	.30	
		278.70 30cm section with 8-10 1cm or so blebs of brassy brown pyrrhotite +/- a few specks of pentlandite within blebs.	104079	295.50	296.50	1.00	<5	6	6	.5	337	2100	37	25	102	.21	
			104080	296.50	297.50	1.00	<5	12	7	.4	236	2300	42	30	108	.23	
			104081	297.50	298.50	1.00	<5	8	5	.4	178	2100	37	26	105	.21	
			104082	298.50	299.50	1.00	<5	10	18	.4	157	2500	35	27	117	.25	
		279.65 9cmx4cm irregular patch of brassy brown pyrrhotite with yellow-brown specks/ disseminations of pentlandite.	104083	299.50	300.50	1.00	<5	24	43	.5	275	3500	34	27	149	.35	
			104084	300.50	301.50	1.00	<5	32	38	.6	379	3500	44	26	121	.35	
			104085	301.50	302.50	1.00	<5	15	28	.4	200	2800	29	24	115	.28	
		280.50 3cmx3cm blob of yellow-brown pentlandite rimmed with brassy-brown pyrrhotite.	104086	302.50	303.50	1.00	<5	10	12	.3	81	2300	33	26	101	.23	
			104087	303.50	304.20	.70	18	89	212	.7	1285	13000	38	30	272	1.30	
			104088	304.20	304.90	.70	18	74	211	.8	1868	19200	42	28	373	1.92	
		281.50 20cm long, 1cm wide quartz-calcite stringer at 20 degrees to core axis.															
		282.30 283.40 Moderate broken core, 40% rqd.															
		286.00 45-50cm of broken core.															
		286.70 41cm serpentine/ calcite and quartz stringer at 5-10 degrees to core axis.															
		287.20 10cm fractured/brecciated quartz vein healed with dark green serpentine.															
		287.30 293.50 Roughly 2-12% pyrrhotite +/- pentlandite as fine interstial															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		disseminations, tiny clustered specks/ patches associated with stringers/ fractures, smears on fractures, occasional 1x1cm blebs and a few large semi massive patches. Some sections are borderline net textured.															
		287.35 11.5x6cm patch of brassy brown pyrrhotite with visible yellow brown pentlandite disseminations.															
		290.20 10x6cm brassy brown to yellow brown pyrrhotite and pentlandite rich patch, net textured.															
		290.70 1x4cm elongated net textured patch of brassy brown pyrrhotite and yellow-brown pentlandite.															
		293.50 299.50 1-2% brassy brown pyrrhotite +/- pentlandite as fine interstitial disseminations, remobilized stringers/ fracture associated sulphides with occasional 4-5cm patches.															
		299.50 303.50 2-4% brassy brown pyrrhotite +/- pentlandite as fine interstitial disseminations, remobilized stringers/ fracture associated sulphides with occasional 4-5cm patches.															
		303.50 304.90 7-10% interstitial brassy brown pyrrhotite with up to 0.5% or so yellow-brown pentlandite, section is cross cut by a few calcite-quartz stringers with specks of both pyrrhotite and yellow chalcopyrite. Abundant biotite makes sulphide estimation difficult.															
		Gradual lower contact.															
		278.70 279.00 2-3% pyrrhotite as blebs, some minor disseminations, trace pentlandite.															
		279.00 279.80 1-2% specks/ disseminations of pyrrhotite with local 9x4cm patch of pyrrhotite with visible pentlandite.															
		279.80 280.30 1% very finely disseminated pyrrhotite with a few specks of pyrrhotite +/- pentlandite.															
		280.30 280.60 0.5-1% finely disseminated and specks of pyrrhotite +/- pentlandite with previously described 3x3cm blob of pentlandite.															
		280.60 281.45 1-2% very finely disseminated and tiny specks/patches of pyrrhotite +/-															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		pentlandite.															
	281.45	282.30 1-2% very finely disseminated and tiny specks/patches of pyrrhotite +/- pentlandite.															
	282.30	283.40 Broken core, 1-2% very finely disseminated and tiny specks/patches of pyrrhotite +/- pentlandite, local pyrrhotite smears on fractures.															
	283.40	284.20 1-2% very finely disseminated and tiny specks/patches of pyrrhotite +/- pentlandite.															
	284.20	285.00 1-2% very finely disseminated and tiny specks/patches of pyrrhotite +/- pentlandite.															
	285.00	285.90 1-2% very finely disseminated and tiny specks/patches of pyrrhotite +/- pentlandite.															
	285.90	286.70 Broken core locally, a few stringers, 1% or so pyrrhotite +/- pentlandite as disseminations/ specks.															
	286.70	287.30 Quartz-calcite stringer/veinlets, 2-3% pyrrhotite/pentlandite, disseminations and blebs, rodenbergite.															
	287.30	287.80 10-12% pyrrhotite patches/disseminations, 1-2% pentlandite.															
	287.80	288.80 6-8% brassy brown pyrrhotite with around 1% pentlandite.															
	288.80	289.50 2-3% pyrrhotite +/- pentlandite as disseminations.															
	289.50	290.20 2-3% pyrrhotite +/- pentlandite.															
	290.20	290.80 8-10% pyrrhotite/pentlandite as a few large net textured patches with abundant patches and fie disseminations.															
	290.80	291.70 4-5% locally pyrrhotite +/- pentlandite as locally clustered disseminations/ patches.															
	291.70	292.60 3-4% pyrrhotite as tiny patches and disseminations with visible pentlandite.															
	292.60	Standard ni 117.															
	292.60	293.50 3-4% pyrrhotite as tiny patches and disseminations with visible pentlandite.															
	293.50	294.50 1-1.5% pyrrhotite as fine disseminations and occasional tiny 3-5mm patches.															
	294.50	295.50 1-2% pyrrhotite +/- pentlandite.															
	295.50	296.50 1% pyrrhotite +/- pentlandite as fine															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		interstial pyrrhotite with remobilized sulphides associated with stringers/ fractures.															
		296.50 297.50 1% pyrrhotite +/- pentlandite as fine interstial pyrrhotite with remobilized sulphides associated with stringers/ fractures.															
		297.50 298.50 1% pyrrhotite +/- pentlandite as fine interstial pyrrhotite with remobilized sulphides associated with stringers/ fractures.															
		298.50 299.50 2-3% pyrrhotite +/- pentlandite with a few local disseminated patches and fine disseminations.															
		299.50 300.50 2-3% pyrrhotite +/- pentlandite with a few local disseminated patches and fine disseminations.															
		300.50 301.50 3% pyrrhotite +/- pentlandite with a few local disseminated patches and fine disseminations.															
		301.50 302.50 4% pyrrhotite +/- pentlandite as disseminated patches and fine disseminations.															
		302.50 303.50 4% pyrrhotite +/- pentlandite as disseminated patches and fine disseminations.															
		304.20 304.90 10-12% finely disseminated brassy to bronzy brown pyrrhotite with 0.5% +/- pentlandite specks of yellow-brown pentlandite.															
304.90	307.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale grey to darker grey-black, fine grained,	104089	304.90	305.70	.80	19	111	305	.9	1696	16900	24	17	268	1.69	
		homogeneous, moderate hardness, non magnetic.	104090	305.70	306.50	.80	13	109	290	.7	2066	18900	24	18	325	1.89	
		Weak carbonate and serpentine altered section.	104091	306.50	307.40	.90	<5	22	30	.2	260	2500	30	20	72	.25	
		Good RQD of 90% with fracturing at 65-70 degrees to core axis with dark green serpentine, white calcite and carbonate fracture filling.															
		Multiple generations of up to 2-3% white, grey-white and green calcite-serpentine and quartz stringers +/- brownish-orange oxidation. Stringer orientation is random at 20, 30, 40 and 70 degrees to core axis.															
		Trace-0.5% pyrrhotite and dull yellow-brown pyrite associated with stringers (specks, disseminations and blebs).															
		304.90 306.50 Pale grayish, more altered section.															
		Lower contact at 60 degrees to core axis.															
		304.90 305.70 0.5% brassy-bronzy brown pyrrhotite associated with stringers.															
		305.70 306.50 Trace-0.5% pyrite-pyrrhotite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		306.50 307.40 0.5%-1% pyrite-pyrrhotite associated with stringers, a few irregular shaped blebs/ blotches in stringers.															
307.40	325.80	FAULT ZONE															
		Dark black to dark grey, fine grained, massive, homogeneous, moderately hard, non magnetic. Pervasive carbonation with local pale green serpentine alteration locally, minor black graphite associated with faulting. RQD of 70% with local moderately broken core with a general association with local faulting, 30% fault gouge. Moderately fractured at 60-70 degrees to core axis with serpentine-calcite fracture filling. 1-2% Fairly irregular white to grey white serpentine-calcite stringers. Rare to trace dull yellow pyrite on fractures/ stringers.	104092	307.40	308.40	1.00	<5	13	8	.2	368	837	47	22	64		
			104093	308.40	309.40	1.00	<5	10	7	<.2	78	816	29	19	59		
		307.40 307.90 Rehealed fault gouge section, 5% gouge, 0% RQD, minor broken core.															
		310.50 311.00 A few minor faults with gouge, 40% RQD, minor oxidation.															
		311.30 312.40 Faulted section with 30-40% dark black graphite rich gouge, slight conductivity, 10% RQD, blocky.															
		315.20 317.80 Moderately fractured core, blocky-broken, 10% RQD, fractures filled with serpentine, calcite, orange-brown oxidation, local reddish k-spar, gouge and dark black graphite, local graphite alteration, slight conductivity in graphitic areas.															
		319.40 321.00 Blocky/ broken core, 10-15% RQD, serpentine-graphite and gouge filled fractures.															
		321.90 322.10 Broken core, 0% RQD, minor gouge, serpentine filled fractures.															
		322.10 325.80 Several section of broken/ fractured core, local graphitic gouge. Lower contact at 40 degrees to core axis.															
		307.40 308.40 No visible sulphides, bracket sample of zone.															
		308.40 309.40 No visible sulphides, bracket sample of zone.															
325.80	326.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green to grey, fine grained, massive, moderately hard- hard, non magnetic, minor carbonate-serpentine alterations, good RQD of 90%															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		with minor fracturing.															
		Strange dark green slightly dendritic looking random olivine spinifex.															
		Lower contact at 40 degrees to core axis.															
326.80	330.70	INTERMEDIATE DYKE															
		Dark grey-black, medium grained, massive, homogeneous, hard, non magnetic, pitted texture, 10% +/- biotite.															
		Moderate reaction to HCl, biotite altered.															
		Good RQD of 90% with fracturing at 30 and 40 degrees to core axis filled with dark green serpentine.															
		1% 30-40 Degrees to core axis calcite stringers.															
		Trace dull yellow pyrite as smears on fractures, trace pyrite-pyrrhotite as specks associated with stringers.															
		327.40 20cm wedge of peridotite, 0% RQD, broken core.															
		328.90 Much fine grained with minor biotite, somewhat peridotitic looking locally.															
		Lower contact weakly sheared, oriented at 60-65 degrees to core axis.															
330.70	332.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-green, fine grained, massive, homogeneous, moderately hard, sheared, non magnetic.															
		Weak carbonate and calcite altered, minor talc.															
		Good RQD of 85-90% with minor dark green serpentine filled fractures.															
		0.5% Irregular calcite-serpentine stringers.															
		Rare pyrite on fractures.															
		Sharp, dark green serpentinization for 10cm, oriented at 35 degrees to core axis.															
332.60	333.60	INTERMEDIATE DYKE															
		Dark grey, medium grained, massive, homogeneous, very hard, non magnetic.															
		Slight reaction to HCl, patchy pink-beige potassic alteration.															
		Good RQD of 95% with a few minor fractures +/- serpentine.															
		A few irregular white-grey calcite stringers.															
		Rare dull yellow pyrite specks.															
		Sharp, planar lower contact at 50 degrees to core axis.															
333.60	349.00	DIABASE															
		Dark grey black, fine to more medium grained, slightly gabbroic looking, hard to very hard, moderately magnetic, massive, porphyritic.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		No reaction to HCl, minor serpentine alteration.															
		Chilled contacts for 50-80 cm, very fine grained.															
		2-3% Irregular shaped yellow-green plagioclase															
		phenocrysts.															
		RQD of 75% with several sections of broken core.															
		Weak to moderately fractured at 20-30 and 60-65															
		degrees to core axis.															
		1-2% Dark green serpentine and white grey-green															
		calcite +/- serpentine at 60-65 degrees to core															
		axis.															
		Trace-0.5% dull yellow colored leaf shaped pyrite															
		speck scattered throughout matrix.															
		335.50 338.00 Broken/ blocky core, 50-60% RQD,															
		moderately fractured.															
		Sharp lower contact at 70 degrees to core axis,															
		minor broken core on contact.															
349.00	358.70	INTERMEDIATE DYKE															
		Same as 332.6-333.6m.	104094	349.00	349.80	.80	<5	5	<5	.5	91	168	155	52	24		
		Dark grey, medium grained, massive, homogeneous,	104095	349.80	350.60	.80	<5	<5	<5	.2	65	69	30	19	13		
		very hard, non magnetic.	104096	350.60	351.30	.70	<5	<5	<5	.3	30	39	54	25	15		
		Slight reaction to HCl, patchy pink-beige potassic	104097	351.30	352.10	.80	<5	<5	<5	.2	33	40	24	16	16		
		alteration.	104098	352.10	352.60	.50	<5	<5	<5	<.2	80	72	16	20	12		
		Occasional dark green angular fragments up to 1cm.															
		Good RQD of 95% with a few minor fractures +/-															
		serpentine.															
		A few irregular white-grey calcite stringers with															
		local reddish potassic rimming.															
		Trace-0.5% dull yellow pyrite specks/ flakes in															
		matrix.															
		349.20 20cm wedge of diabase, numerous															
		pyrite specks, plagioclase															
		phenocrysts, sharp contacts at 70															
		degrees to core axis.															
		349.80 352.10 Orange to tan brownish, potassic															
		altered, moderate calcite, 1% yellow															
		brown pyrite disseminations, cubes															
		and specks.															
		358.30 12cmwedge of dark black peridotite,															
		contacts 70 degrees to core axis.															
		Lower contact sharp, rough, 70 degrees to core axis.															
		349.00 349.80 Bracket trace pyrite.															
		349.80 350.60 1% pyrite.															
		350.60 351.30 0.5% pyrite.															
		351.30 352.10 0.5% pyrite.															
		352.10 352.60 Bracket trace pyrite.															
358.70	374.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to dark green, fine grained, moderately															
		hard, non magnetic.															
		Pervasive carbonatization.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Good RQD of 85-90%, a few minor slips and fracturing at 50-70 degrees to core axis filled with dark green serpentine and white carbonate-calcite. 10-12% Irregular white to grey-white-green calcite-carbonate and serpentine stringers. Rare-trace dull yellow pyrite associated with stringers/ fractures. 371.15 371.60 Intermediate dyke, grayish-pinkish, potassic, fine grained, trace pyrite-pyrrhotite, contacts at 60 and 50 degrees to core axis. Lower contact at 40 degrees to core axis.															
374.10	377.00	INTERMEDIATE DYKE Pale grey to grey, fine grained, massive, hard, non magnetic. No reaction to HCl, pinkish potassic altered. Good RQD of 90% with minor serpentine filled fractures. A few 60-70 degrees to core axis calcite- quartz stringers. Trace pyrite +/- pyrrhotite specks. 375.10 376.00 Komatiitic peridotite mesocumulate, carbonate altered, dark grey-black, fine grained, massive, homogeneous, hard, non magnetic, contacts at 75 and 40 degrees to core axis.															
377.00		END OF HOLE															

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Northing: 5349428.00
Easting: 497971.00
Elevation: 285.00

Collar Azi.: 325.0
Collar Dip: -68.0

Hole length: 494.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: April 29, 2009
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
32	324.2	-68.7
83	324.1	-68.0
134	324.5	-68.4
185	324.8	-69.0
236	325.1	-69.2
287	325.7	-68.7
338	327.0	-68.4
431	329.5	-68.4

Drill Hole: GCL9-11

Project: Langmuir Zone
Property: Langmuir
Claim: 4203498
Northing: N/A
Easting: N/A
GPS Northing: 5349428
GPS Easting: 497971
Date Started: April 22, 2009
Date completed: May 6, 2009
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 104099-255
Lab report:

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	22.00	OVERBURDEN 22m Of nw casing.															
22.00	24.20	KOMATIITIC SPINIFEX PERIDOTITE Dark grey-black matrix with faint poorly developed random olivine spinifex. Weak serpentine alteration. Good RQD of 85% with minor fracturing at 30 and 50 degrees to core axis. A few irregular calcite stringers. Nil sulphides. 22.00 23.00 No visible spinifex, broken-fractured core. Gradual lower contact.															
24.20	114.60	KOMATIITIC PERID0TITE ADCUMULATE Dark black with grayish sections, fine grained, massive, homogeneous, hard, non magnetic. Weak serpentine alteration +/- very weak carbonate locally. Good RQD of 85% with sections of broken core. Weak to moderately fractured with fracturing at 30, 50, 60 and 70 degrees to core axis filled with dark green serpentine and calcite. 2-3% Irregular white calcite and grayish-white															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		serpentine stringers from hairlike to 1.5cm wide.															
		Nil to extremely rare dull yellow pyrite on fractures.															
		24.20 41.20 Grayish-black slightly carbonate altered, 70% RQD, abundant fracturing with several sections of broken core.															
		50.00 54.70 Grayish altered section with local weak brecciation and minor broken core, 80% rqd.															
		66.00 68.20 A few minor patchy sections of chicken scratch looking textures, most likely not spinifex.															
		81.50 82.60 Minor broken core, 75% rqd.															
		Gradual lower contact.															
114.60	145.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, locally brecciated, massive, hard, non magnetic with weak magnetism around brecciation, some adcumulate sections.															
		Pale green-grayish serpentine alteration around brecciation.															
		Good RQD of 85% with rare very minor broken core.															
		Minor fracturing at 30-40 and 50-60 degrees to core axis. Fracturing filled with dark green serpentine and local white-grey calcite.															
		10-15% Of unit is weakly-moderately brecciated to locally weakly sheared at 30-40 degrees to core axis. The brecciation is healed with dark green serpentine.															
		1-2% White calcite +/- dark green serpentine stringers at 20 and 50 degrees to core axis.															
		No visible sulphides.															
		144.00 145.80 Pale green serpentine altered and brecciated section with moderately broken core, 75% rqd.															
		Lower contact at 30 degrees to core axis.															
145.80	148.20	GRANODIORITE															
		Pale grey to grey, medium to coarse grained, massive, porphyritic, hard, non magnetic.															
		No reaction to hcl.															
		5-7% Oval to sub rounded white feldspar phenocrysts, 4-5mm sized, phenocrysts can be scratched with knife.															
		Good RQD of 90% with dark green serpentine filled fracturing at 30-40 degrees to core axis.															
		Rare irregular hairlike calcite stringers.															
		No visible sulphides.															
		147.70 23cm light to pale green moderately serpentine altered wedge with sharp 30 degrees to core axis contacts.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Lower contact of unit ground up by drilling, roughly 60-70 degrees to core axis.															
148.20	152.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale grey to dark grey, fine grained, massive, moderately hard, non magnetic, leucoxinitic, locally brecciated/ sheared.															
		Pale grey-green serpentine altered, more intense around brecciation and shearing.															
		Good RQD of 90% with 30-50 degrees to core axis fracturing filled with dark green serpentine.															
		Weak local shearing at 40-50 degrees to core axis with associated serpentine healed brecciation.															
		A few grayish-greenish-white serpentine-calcite stringers at 30-40 degrees to core axis.															
		No visible sulphides.															
		Lower contact mechanically polished, roughly 70-75 degrees to core axis.															
152.10	159.00	GRANODIORITE															
		Similar to 145.8-148.2m.															
		Pale grey to grey, medium to coarse grained, massive, homogeneous, porphyritic, hard, non magnetic.															
		No reaction to hcl.															
		5% Oval to sub rounded white quartz-feldspar phenocrysts, 4-5mm sized, some phenocrysts can be scratched with knife.															
		Good RQD of 90% with dark green serpentine filled fracturing at 30-40 degrees to core axis.															
		Rare irregular hairlike calcite stringers.															
		No visible sulphides.															
		Lower contact at60 degrees to core axis.															
159.00	170.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to grey, fine grained, massive, local weak magnetism, hard (5), slightly adcumulate.															
		Weak serpentine alteration with local more moderate alteration on lower contact.															
		Good RQD of 90% with fracturing at 20, 40 and 50 degrees to core axis. Fracturing filled with serpentine and calcite.															
		Some very weak local serpentine healed brecciation.															
		2-3% Low angle irregular calcite and serpentine stringers.															
		No visible sulphides.															
		168.70 171.20 Pale green-grey serpentine alteration of moderate intensity.															
		Lower contact at 60 degrees to core axis, some minor broken core.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
170.70	279.30	GRANODIORITE															
		Grey to dark grey and beige, medium grained,	104099	192.40	193.30	.90	5	<5	<5	<.2	40	26	48	21	12		
		massive, homogeneous, hard, non magnetic, slightly	104100	193.30	193.30	.00	<5	<5	<5	<.2	83	10	34	35	17		
		porphyritic, 40-50% beige-white feldspars, 20-30%	104101	193.30	194.20	.90	<5	<5	<5	<.2	36	25	51	23	13		
		dark green-black amphiboles around 2-4mm sized,	104102	194.20	195.20	1.00	<5	<5	<5	<.2	37	26	63	22	12		
		10-20% quartz.	104103	195.20	195.50	.30	<5	<5	<5	<.2	29	19	34	19	10		
		No reaction to HCl, patchy beige-brown potassic	104104	195.50	196.50	1.00	<5	<5	<5	<.2	37	27	57	25	11		
		alteration (4%).	104105	196.50	197.50	1.00	<5	<5	<5	<.2	36	24	67	29	12		
		RQD of 85% with fracturing at 30 and 60 degrees to	104106	201.80	202.30	.50	5	<5	<5	<.2	39	27	48	43	11		
		core axis filled with dark green serpentine and	104107	202.30	202.60	.30	6	<5	<5	.2	39	18	28	32	9		
		occasional calcite.	104108	202.60	203.10	.50	<5	<5	<5	<.2	37	24	33	17	12		
		0.5% Dark black angular lithic fragments occur	104109	210.00	210.60	.60	<5	<5	<5	<.2	31	25	31	17	13		
		throughout unit.	104110	210.60	211.40	.80	<5	<5	<5	<.2	38	22	39	17	10		
		1-2% White calcite +/- clear-white quartz at 65 and	104111	211.40	212.10	.70	<5	<5	<5	.2	44	23	26	21	10		
		75 degrees to core axis, hairlike to 5-6mm wide.	104112	212.10	212.80	.70	<5	<5	<5	.3	46	23	35	17	12		
		Occasional, maybe 0.5% white to clear-white quartz	104113	212.80	213.50	.70	<5	<5	<5	.2	40	24	58	21	12		
		veins from 6-13cm wide, general orientations of 40	104114	228.80	229.30	.50	<5	<5	<5	<.2	28	21	23	17	10		
		and 60 degrees to core axis.	104115	229.30	229.60	.30	<5	<5	<5	<.2	34	36	34	20	19		
		Mineralization consists of trace to maybe 1% dull	104116	229.60	230.10	.50	<5	<5	<5	.2	32	24	41	22	10		
		yellow pyrite smears on fractures with higher															
		concentrations associated with cubic to coarse															
		pyrite disseminations.															
	172.20	174.90 Light pale to yellow-green serpentine alteration.															
	195.20	13cm clear-white quartz vein, contacts at 40 degrees to core axis.															
	202.30	9cm quartz vein, contacts at 50 and 40 degrees to core axis.															
	210.60	212.80 Beige potassic altered section with trace pyrite and 1-2% quartz veinlets/ stringers.															
	222.70	223.30 Moderate beige-pink potassic alteration.															
	229.30	229.60 Purplish-grey, fine grained, intermediate dyke, no reaction to HCl, siliceous, 1% fine grained pyrite.															
		Lower contact at 65 degrees to core axis.															
	192.40	193.30 Blank.															
	193.30	Check sampling, 0.5-1% pyrite.															
	193.30	194.20 Check sampling, 0.5% pyrite.															
	194.20	195.20 Potassic altered, 8-10% quartz, trace pyrite.															
	195.20	195.50 Check sampling, trace pyrite.															
	195.50	196.50 Check sampling, trace pyrite.															
	196.50	197.50 Bracket sample, nil sulphides.															
	201.80	202.30 Beige potassic alteration, 5% quartz, trace pyrite.															
	202.30	202.60 Bracket sample, nil sulphides.															
	202.60	203.10 Bracket sample, nil sulphides.															
	210.00	210.60 Potassic altered, 1% quartz, trace															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		pyrite.															
		210.60 211.40 Potassic altered, 1-2% quartz, trace pyrite.															
		211.40 212.10 Potassic altered, 1% quartz, trace pyrite.															
		212.10 212.80 Bracket sample, nil sulphides.															
		212.80 213.50 Bracket sample, nil sulphides.															
		228.80 229.30 Siliceous, 1% fine disseminated pyrite.															
		229.30 229.60 Bracket sample, nil sulphides.															
		229.60 230.10 Bracket sample, nil sulphides.															
279.30	281.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Faulted unit, dark black-grey, fine grained, massive, moderately hard, non magnetic.															
		Weak carbonate-serpentine alteration.															
		30% RQD, 5% fault gouge, 80% rec.															
		Moderate 70-80 degrees to core axis fracturing.															
		1-2% Irregular calcite-carbonate stringers.															
		No visible sulphides.															
		Lower contact at 75 degrees to core axis.															
281.10	299.80	GRANODIORITE															
		Pale grey-beige, coarse grained, massive, homogeneous, hard, non magnetic.	104117	285.20	286.20	1.00	<5	<5	<5	<.2	51	27	46	19	11		
			104118	286.20	287.20	1.00	<5	<5	<5	<.2	58	26	49	18	12		
		Pervasive potassic alteration, a few white-beige strongly potassic sections with local silicification.	104119	287.20	288.20	1.00	<5	<5	<5	.2	68	30	41	19	13		
			104120	288.20	289.20	1.00	<5	<5	<5	.4	106	43	48	40	14		
			104121	289.20	290.20	1.00	<5	<5	<5	.3	67	25	43	27	12		
		Good RQD of 90% with minor fracturing filled/ healed with dark green-black chlorite +/- calcite.	104122	290.20	291.20	1.00	<5	<5	<5	<.2	50	23	38	17	11		
			104123	291.20	292.20	1.00	<5	<5	<5	.5	56	30	41	24	13		
		Weakly brecciated locally with dark green chlorite healing.	104124	292.20	293.20	1.00	<5	<5	<5	.4	81	35	42	26	14		
			104125	293.20	293.20	.00	13	71	77	.8	1766	20600	89	59	401	2.06	
		A few white-clear white quartz +/- calcite stringers at 70 degrees to core axis.	104126	293.20	294.20	1.00	<5	<5	<5	.5	86	69	42	27	15		
			104127	294.20	295.20	1.00	<5	<5	<5	.4	61	27	38	30	13		
		287.20 297.20 Sulphide mineralization consists of 0.5-1% brassy-brown pyrrhotite and trace-0.5% yellow-brown pyrite associated with stringers/ fractures.	104128	295.20	296.20	1.00	5	<5	<5	.4	53	30	42	23	11		
			104129	296.20	297.20	1.00	<5	<5	<5	.8	99	32	33	49	17		
			104130	297.20	298.20	1.00	<5	<5	<5	<.2	58	31	41	20	12		
			104131	298.20	299.20	1.00	<5	<5	<5	.4	70	36	91	40	14		
		281.10 283.50 Darker brown altered section, minor biotite-serpentine, weak potassic alteration.															
		Lower contact at 55 degrees to core axis.															
		285.20 286.20 Bracket sample, nil sulphides.															
		286.20 287.20 Trace pyrrhotite specks.															
		287.20 288.20 0.5-1% pyrrhotite, trace pyrite.															
		288.20 289.20 Trace pyrrhotite and pyrite.															
		289.20 290.20 Trace-0.5% pyrrhotite and pyrite, 1% quartz stringers.															
		290.20 291.20 0.5% pyrrhotite and pyrite.															
		291.20 292.20 Trace pyrrhotite and pyrite.															
		292.20 293.20 Trace pyrrhotite and pyrite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		293.20 Standard ni 115.															
		293.20 294.20 Trace pyrrhotite and pyrite.															
		294.20 295.20 0.5% pyrite and pyrrhotite.															
		295.20 296.20 0.5% pyrite and pyrrhotite.															
		296.20 297.20 Bracket sample, nil sulphides.															
		297.20 298.20 Bracket sample, nil sulphides.															
		298.20 299.20 Bracket sample, nil sulphides.															
299.80	303.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, locally															
		faulted, moderately hard, non magnetic.															
		Weak carbonate-serpentine alteration.															
		Good RQD of 90% with broken core in faulted															
		section, see description below.															
		Minor fracturing filled with dark green-black															
		serpentine +/- calcite.															
		1% Low angle calcite stringers.															
		No visible sulphides.															
		301.00 Minor slip with a few mm of gouge on															
		fractures.															
		302.30 303.20 Moderately broken core, 0% RQD, local															
		faulting, 8cm non conductive fault															
		gouge on lower contact.															
		Lower contact at roughly 70 degrees to core axis.															
303.20	338.10	GRANODIORITE															
		Pale grey with beige tinge due to alteration, fine															
		grained, slightly porphyritic, hard, non magnetic.															
		Weak local beige-whitish potassic alteration with															
		minor associated silica.															
		RQD of 85% with several small sections of broken															
		core.															
		Weak to moderately fractured sections with															
		orientations of 25, 35, 50 and 65 degrees to core															
		axis.															
		Weak, localized brecciation healed with dark															
		green-black serpentine.															
		Occasional dark black angular lithic fragments,															
		increased occurrence with depth.															
		1-3% Thin white calcite stringers at 65-75 degrees															
		to core axis with occasional 4-5mm wide white to															
		clear white quartz +/- calcite stringers at 65-70															
		degrees to core axis.															
		Trace dull yellow pyrite on fractures and															
		associated with stringers.															
		303.80 304.10 Broken core, 0% RQD, moderately															
		blocky core.															
		309.70 321.40 RQD of 70% with several sections of															
		broken core, 2-3% white quartz veins															
		from 3-10cm wide and oriented at															
		65-75 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		327.00 More dark black colored due to slight graphitic alteration.															
		Lower contact at 65 degrees to core axis.															
338.10	341.10	KOMATIITIC PERIDOTITE BRECCIA															
		Dark black-grey, fine grained, massive, hard, non magnetic, local weak brecciation/shearing, 5% graphitic slivers.															
		No reaction to HCl, local weak serpentine alteration, pervasive weak graphite alteration.															
		Good RQD of 85% with local broken graphitic core.															
		Minor 20-30 degrees to core axis fracturing filled with silver-grey, highly conductive fractures.															
		Weak shearing with associated graphite, calcite and serpentine healed brecciation at 20-30 degrees to core axis.															
		0.5% High angle slightly irregular calcite stringers.															
		Rare pyrite on fractures associated with graphite.															
		343.10 15-20cm Brecciated graphitic section.															
		338.70 1cm highly conductive graphitic sliver at 30 degrees to core axis.															
		339.90 15-20cm graphitic argillite, 0% RQD, fractured, silver-black graphitic fractures, conductive.															
		Lower contact at 75 degrees to core axis.															
341.10	343.70	INTERMEDIATE DYKE															
		Brownish-grayish, fine grained, massive, homogeneous, hard, non magnetic.															
		No reaction to HCl, weakly biotitic.															
		Good RQD of 90% with serpentine filled fracturing at 60-70 degrees to core axis.															
		1% White calcite stringers at 50 and 75-80 degrees to core axis.															
		Trace dull yellow pyrite on fractures and associated with stringers.															
		Lower contact at 35 degrees to core axis.															
343.70	344.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green-grey serpentine altered matrix, non magnetic, moderately hard.															
		10-15cm Random dark green olivine spinifex.															
		No visible sulphides.															
		Gradual lower contact.															
344.10	347.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale green to grey-black, fine grained, moderately hard-hard, non magnetic.															
		Light to pale green serpentine alteration with minor carbonate alteration locally.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Good RQD of 85% with minor broken core.															
		Minor fracturing at 60 and 70 degrees to core axis filled with dark green serpentine and white calcite. A few irregular white calcite stringers. No visible sulphides.															
		344.70 30cm slightly sheared 65 degrees to core axis and brecciated section with serpentine healing. 345.50 20cm moderately broken core, 0% rqd.															
		345.70 346.30 Intermediate dyke, same as 341.1-343.7m, contacts at 75 and 60 degrees to core axis. Gradual lower contact.															
347.30	361.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, borderline adcumulate, fine grained, massive, hard, non magnetic, locally amygdaloidal. Weak local pale green serpentine with more pervasive grey-green serpentine-carbonate alteration. Good RQD of 90% with minor 60-70 degrees to core axis fracturing filled with dark green serpentine +/- white calcite and carbonate fracture filling. A few generations of white calcite +/- quartz and/or serpentine stringers at 30 and 60 degrees to core axis. A few 3-5mm sized blebs of brassy brown pyrrhotite at 348.7m with otherwise trace amounts of pyrrhotite seen associated with stringers/fractures.	104132	347.30	348.30	1.00	5	8	6	<.2	131	1069	23	15	52		
			104133	348.30	348.60	.30	5	6	8	<.2	107	1482	41	28	78		
			104134	348.60	349.60	1.00	<5	<5	<5	<.2	80	1021	36	33	59		
		355.40 356.20 1% dark green serpentine filled amygdules, 2-5mm sized. 361.00 A few stretched dark green serpentine filled amygdules. Gradual lower contact. 347.30 348.30 A few tiny pyrrhotite blebs/ patches. 348.30 348.60 Bracket sample, nil sulphides. 348.60 349.60 Bracket sample, nil sulphides.															
361.70	363.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green random olivine spinifex set in pale grey to grey-black serpentine and carbonate altered matrix, moderately hard, non magnetic. Good RQD of 90% with minor 60-70 calcite-serpentine filled fractures. A few 75 degrees to core axis carbonate stringers and white-grey calcite stringers. No visible sulphides. Gradual lower contact. 362.50 363.50 Trace disseminated pyrrhotite.	104135	362.50	363.50	1.00	5	<5	5	.2	61	568	54	29	64		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
363.50	379.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, fine grained, massive,	104136	363.50	364.50	1.00	<5	<5	<5	.2	67	886	30	25	63		
		homogeneous, hard, non magnetic, mineralized.	104137	364.50	365.50	1.00	<5	<5	<5	<.2	76	1227	39	31	81		
		Weak grayish-white serpentine +/- carbonate.	104138	365.50	366.50	1.00	<5	5	<5	<.2	71	1274	38	31	77		
		Good RQD of 95% with 30 and 55 degrees to core axis	104139	366.50	367.50	1.00	<5	<5	<5	<.2	73	1265	37	31	79		
		fracturing filled with dark green serpentine +/-	104140	367.50	368.50	1.00	<5	<5	<5	<.2	74	1266	38	32	84		
		white grey calcite.	104141	368.50	369.50	1.00	<5	<5	<5	.2	85	1387	42	33	86		
		2-3% White-grey serpentine-calcite stringers at 30,	104142	369.50	370.50	1.00	<5	9	15	<.2	125	1741	34	30	95		
		40, 70 and 75 degrees to core axis.	104143	370.50	371.50	1.00	<5	<5	<5	<.2	112	1368	36	31	83		
		363.50 372.50 Nil to 0.5% brassy brown pyrrhotite	104144	371.50	372.50	1.00	<5	<5	<5	.4	128	1238	35	31	75		
		as scattered disseminated sections	104145	372.50	373.40	.90	<5	7	17	.3	171	2373	44	32	98		
		and 3-5mm sized blebs/ patches	104146	373.40	374.20	.80	<5	34	79	.2	343	5418	33	26	177	.54	
		associated with stringers/ fractures.	104147	374.20	374.90	.70	<5	21	52	<.2	164	2428	31	27	116		
		372.50 374.90 5-6% brassy brown pyrrhotite as	104148	374.90	375.90	1.00	<5	5	5	<.2	110	1372	28	22	75		
		patches/ blebs, from 1x1cm up	104149	375.90	376.80	.90	<5	<5	<5	<.2	93	1292	33	20	68		
		to1x5cm, minor local dissemination,	104150	376.80	376.80	.00	<5	<5	<5	<.2	84	39	16	34	17		
		+/- pentlandite.	104151	376.80	377.70	.90	5	<5	<5	<.2	118	1282	45	23	80		
		374.90 379.40 Trace disseminated pyrrhotite with	104152	377.70	378.60	.90	<5	<5	<5	<.2	100	1137	40	17	63		
		yellow brown pyrite associated with	104153	378.60	379.40	.80	<5	6	6	<.2	153	1048	76	22	93		
		serpentine and graphite fractures,															
		fragments and fracture filling.															
		378.70 379.20 Mm-cm sized dark black elongated															
		graphitic fragments within matrix.															
		Gradual lower contact.															
		363.50 364.50 Trace pyrrhotite.															
		364.50 365.50 Trace pyrrhotite.															
		365.50 366.50 Trace pyrrhotite.															
		366.50 367.50 Trace pyrrhotite.															
		367.50 368.50 Trace pyrrhotite.															
		368.50 369.50 0.5% pyrrhotite as a few tiny blebs.															
		369.50 370.50 0.5% disseminated pyrrhotite.															
		370.50 371.50 Trace pyrrhotite.															
		371.50 372.50 2-3% pyrrhotite blebs/patches.															
		372.50 373.40 3-4% pyrrhotite blebs/patches.															
		373.40 374.20 4-5% pyrrhotite blebs/patches.															
		374.20 374.90 1% pyrrhotite, 0.5% pyrite.															
		374.90 375.90 Trace-0.5% pyrrhotite, trace pyrite.															
		375.90 376.80 Blank.															
		376.80 Trace pyrrhotite and pyrite.															
		376.80 377.70 0.5-1% pyrrhotite, trace pyrite.															
		377.70 378.60 0.5% pyrrhotite and pyrite.															
		378.60 379.40 1% disseminated pyrrhotite, trace															
		pyrite.															
379.40	386.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Grayish-green, fine grained, hard, non magnetic,	104154	379.40	380.30	.90	<5	5	<5	<.2	119	620	92	24	73		
		fractured.	104155	380.30	381.20	.90	<5	6	<5	<.2	70	595	76	23	64		
		Random dark green olivine spinifex throughout.	104156	381.20	382.10	.90	<5	8	6	<.2	101	372	65	23	61		
		Weak to moderate pale green-grey serpentine	104157	382.10	383.00	.90	<5	6	5	<.2	68	381	54	22	53		
		alteration.	104158	383.00	384.00	1.00	<5	6	<5	<.2	55	512	50	20	56		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		RQD of 60% with abundant broken/blocky core.	104159	384.00	385.00	1.00	<5	<5	<5	<.2	52	506	61	22	59		
		Moderately fractured throughout at 20, 30 and 40	104160	385.00	386.00	1.00	<5	<5	<5	<.2	90	583	51	23	71		
		degrees to core axis with dark green serpentine															
		fracture filling.															
		0.5-1.5% Pyrrhotite and/ or pyrite smears and															
		disseminations.															
		379.90 Minor fault gouge material present in															
		broken core.															
		Gradual lower contact.															
		379.40 380.30 0.5% pyrrhotite smears, trace pyrite.															
		380.30 381.20 0.5-1% disseminated pyrrhotite, trace															
		pyrite.															
		381.20 382.10 Trace-0.5% pyrrhotite and pyrite.															
		382.10 383.00 0.5% pyrrhotite and pyrite.															
		383.00 384.00 Trace-0.5% pyrrhotite and pyrite.															
		384.00 385.00 Trace-0.5% pyrrhotite and pyrite.															
		385.00 386.00 Trace pyrrhotite and pyrite on															
		fractures.															
386.00	389.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale grey to grey, fine grained, massive,	104161	386.00	387.00	1.00	<5	<5	<5	<.2	83	1447	36	20	74		
		homogeneous, bleached (?), hard, non magnetic.	104162	387.00	388.00	1.00	<5	<5	<5	.2	80	1223	31	19	81		
		Weak serpentine alteration.	104163	388.00	388.80	.80	<5	<5	<5	<.2	90	1064	42	21	77		
		Good RQD of 85-90% with minor fracturing filled	104164	388.80	389.60	.80	6	8	7	<.2	118	1063	59	21	86		
		with serpentine and calcite.															
		A few irregular, higher angle calcite stringers.															
		Trace pyrrhotite and pyrite smears on fractures.															
		Gradual lower contact.															
		386.00 387.00 Trace pyrrhotite and pyrite on															
		fractures.															
		387.00 388.00 Trace pyrrhotite and pyrite on															
		fractures.															
		388.00 388.80 Trace pyrrhotite and pyrite on															
		fractures.															
		388.80 389.60 Trace pyrrhotite and pyrite.															
389.60	394.90	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark black, fine grained, massive, weakly magnetic,	104165	389.60	390.50	.90	8	<5	<5	<.2	539	921	129	33	100		
		non conductive to highly conductive, hard to very	104166	390.50	391.40	.90	8	7	6	.3	281	1043	171	39	124		
		hard, 80% komatiitic adcumulate and 20% or so dark	104167	391.40	392.30	.90	11	6	6	<.2	931	1294	145	41	167		
		black graphitic argillite.	104168	392.30	393.20	.90	<5	<5	<5	.4	111	817	181	36	99		
		Pervasive graphite alteration, very hard sections	104169	393.20	394.10	.90	10	6	5	.2	83	570	192	37	85		
		are silica altered.	104170	394.10	394.90	.80	5	<5	<5	<.2	73	685	152	32	76		
		Decent RQD with minor broken core associated with															
		graphitic fractures.															
		Weak to moderately fractured at 25-30 and 50															
		degrees to core axis with dark green serpentine and															
		more dominant silver grey graphite fracture filling.															
		Weakly brecciated with graphite and calcite healing.															
		A few low angle calcite stringers.															
		1-2% Yellow brown pyrite +/- pyrrhotite as															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		irregular mm-cm sized blebs/ patches associated															
		with fractures and vugs.															
		Gradual lower contact.															
		389.60 390.50 1-2% pyrite-pyrrhotite, silicified.															
		390.50 391.40 1% pyrite-pyrrhotite, silicified.															
		391.40 392.30 0.5% pyrite-pyrrhotite, silicified.															
		392.30 393.20 Trace pyrrhotite and pyrite.															
		393.20 394.10 Trace pyrrhotite and pyrite.															
		394.10 394.90 Trace pyrrhotite.															
394.90	401.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-grey, fine grained, hard, massive,	104171	394.90	395.90	1.00	5	5	6	<.2	121	793	111	25	84		
		slightly magnetic, stubby dark green olivine	104172	395.90	396.80	.90	<5	7	7	<.2	105	886	53	22	78		
		spinifex throughout.	104173	396.80	397.70	.90	<5	<5	6	<.2	102	1002	37	23	80		
		Pale brown biotite alteration throughout, pale	104174	397.70	398.60	.90	<5	7	7	<.2	97	974	35	22	75		
		green serpentine alteration.	104175	398.60	398.60	.00	16	20	16	1.8	3780	2670	26	16	87		
		Good RQD of 90% with minor 50-60 degrees to core	104176	398.60	399.50	.90	<5	6	<5	<.2	179	1003	53	22	86		
		axis fracturing filled with dark green serpentine.	104177	399.50	400.40	.90	<5	<5	5	<.2	97	884	69	21	74		
		A few thin irregular calcite stringers.	104178	400.40	401.30	.90	<5	<5	<5	.3	195	1274	74	22	93		
		Trace to at very best 0.5% brassy-brown pyrrhotite															
		disseminations/ specks, trace yellow-brown pyrite															
		along stringers/ fractures.															
		Gradual lower contact.															
		394.90 395.90 Trace pyrrhotite.															
		395.90 396.80 Trace pyrrhotite.															
		396.80 397.70 Trace pyrrhotite.															
		397.70 398.60 Standard ni 117.															
		398.60 Trace pyrrhotite.															
		398.60 399.50 0.5% pyrrhotite and pyrite.															
		399.50 400.40 0.5% pyrrhotite and pyrite.															
		400.40 401.30 Trace-0.5% pyrrhotite, trace pyrite.															
401.30	407.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, massive, slightly magnetic, hard.	104179	401.30	402.30	1.00	<5	<5	<5	1.5	183	1255	55	22	88		
		Weak serpentine carbonate alterations, local brown	104180	402.30	403.20	.90	<5	<5	<5	1.3	139	1183	45	22	83		
		biotite alteration.	104181	403.20	404.10	.90	<5	<5	6	.2	117	1192	41	26	87		
		Good RQD of 90-95% with minor 30 and 50 degrees to	104182	404.10	405.00	.90	<5	<5	<5	<.2	121	1355	35	22	94		
		core axis fracturing filled with dark green	104183	405.00	405.90	.90	<5	<5	<5	2.5	118	1220	34	21	81		
		serpentine and white calcite.	104184	405.90	406.80	.90	5	8	6	.4	107	1069	44	26	83		
		0.5-1% Low angle calcite-serpentine stringers.	104185	406.80	407.70	.90	<5	5	5	<.2	116	1267	36	24	84		
		Trace-0.5% brassy brown pyrrhotite disseminations,															
		specks/ tiny patches +/- yellow-brown pyrite.															
		Gradual lower contact.															
		401.30 402.30 Trace-0.5% pyrrhotite, trace pyrite.															
		402.30 403.20 Trace-0.5% pyrrhotite, trace pyrite.															
		403.20 404.10 Nil-trace pyrrhotite, carbonate altered.															
		404.10 405.00 Nil-trace pyrrhotite, carbonate altered.															
		405.00 405.90 1% disseminated pyrrhotite, carbonate altered.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		405.90 406.80 1% disseminated pyrrhotite, a few patches, carbonate altered.															
		406.80 407.70 Trace-0.5% finely disseminated pyrrhotite +/- pentlandite.															
407.70	446.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous,	104186	407.70	408.60	.90	5	12	7	.5	108	1381	38	30	90		
		hard, non magnetic, typical mineralized adcumulate.	104187	408.60	409.50	.90	<5	5	<5	<.2	70	1764	38	35	94		
		Patchy pervasive pistachio green serpentine	104188	409.50	410.40	.90	<5	6	<5	<.2	80	1825	41	38	91		
		alteration.	104189	410.40	411.30	.90	<5	5	<5	.3	71	1729	44	35	85		
		Good RQD of 90-95%.	104190	411.30	412.20	.90	<5	<5	<5	.2	64	1879	33	28	88		
		Minor fracturing at 40, 45 and 50 degrees to core	104191	412.20	413.10	.90	6	5	<5	.3	68	1645	39	29	69		
		axis with dark green and pistachio green serpentine	104192	413.10	414.00	.90	<5	<5	<5	.2	75	2029	45	31	84		
		fracture filling +/- white calcite.	104193	414.00	415.00	1.00	<5	5	<5	<.2	70	1968	40	30	82		
		Several generations of stringers, 5% +/-	104194	415.00	416.00	1.00	6	<5	<5	<.2	68	2019	37	32	88		
		hairlike-6mm white calcite, green-white serpentine	104195	416.00	417.00	1.00	<5	5	<5	<.2	70	1921	41	33	79		
		and calcite and serpentine stringers at 45 and	104196	417.00	418.00	1.00	<5	<5	<5	.3	64	1900	39	32	78		
		60-70 degrees to core axis.	104197	418.00	419.00	1.00	6	<5	<5	<.2	75	1886	48	32	75		
		Sulphide mineralization consists of trace-1-2% very	104198	419.00	420.00	1.00	5	<5	<5	<.2	70	1986	30	30	88		
		finely disseminated pyrrhotite +/- pentlandite with	104199	420.00	421.00	1.00	10	7	5	.2	70	1570	26	34	81		
		rare specks to mm sized patches.	104200	421.00	421.00	.00	<5	<5	<5	<.2	74	35	21	31	14		
		Gradual lower contact.	104201	421.00	422.00	1.00	5	5	<5	<.2	65	1668	30	30	70		
		407.70 408.60 0.5-1% finely disseminated pyrrhotite	104202	422.00	423.00	1.00	<5	6	<5	<.2	63	1647	27	33	72		
		+/- pentlandite.	104203	423.00	424.00	1.00	5	6	<5	<.2	63	1875	24	32	80		
		408.60 409.50 1-2% finely disseminated pyrrhotite	104204	424.00	425.00	1.00	6	6	<5	.2	63	1902	23	31	82		
		+/- pentlandite.	104205	425.00	426.00	1.00	7	<5	<5	<.2	58	1996	18	30	89		
		409.50 410.40 1-2% finely disseminated pyrrhotite	104206	426.00	427.00	1.00	5	8	<5	<.2	61	1943	20	32	85		
		+/- pentlandite.	104207	427.00	428.00	1.00	8	5	<5	.4	58	1967	18	32	87		
		410.40 411.30 1-2% finely disseminated pyrrhotite	104208	428.00	429.00	1.00	7	<5	<5	<.2	64	1906	20	32	84		
		+/- pentlandite.	104209	429.00	430.00	1.00	5	7	<5	.3	62	2087	18	32	89		
		411.30 412.20 1-2% finely disseminated pyrrhotite	104210	430.00	431.00	1.00	<5	5	<5	<.2	68	1860	19	35	82		
		+/- pentlandite.	104211	431.00	432.00	1.00	<5	<5	<5	.2	70	2079	22	34	94		
		412.20 413.10 1-2% finely disseminated pyrrhotite	104212	432.00	433.00	1.00	7	<5	<5	.2	78	1708	34	36	94		
		+/- pentlandite.	104213	433.00	434.00	1.00	5	<5	<5	<.2	71	1720	41	34	91		
		413.10 414.00 1-2% finely disseminated pyrrhotite	104214	434.00	435.00	1.00	6	6	<5	.2	65	1885	39	31	91		
		+/- pentlandite.	104215	435.00	436.00	1.00	5	5	<5	.4	83	1611	41	36	84		
		414.00 415.00 1-2% finely disseminated pyrrhotite	104216	436.00	437.00	1.00	6	5	<5	<.2	67	1694	40	36	89		
		+/- pentlandite.	104217	437.00	438.00	1.00	<5	5	<5	.3	69	1708	43	34	106		
		415.00 416.00 1-2% finely disseminated pyrrhotite	104218	438.00	439.00	1.00	11	<5	<5	.4	66	1339	36	35	98		
		+/- pentlandite.	104219	439.00	440.00	1.00	5	5	<5	.4	77	1510	52	36	87		
		416.00 417.00 1-2% finely disseminated pyrrhotite	104220	440.00	441.00	1.00	<5	5	<5	<.2	67	1455	47	34	92		
		+/- pentlandite.	104221	441.00	441.90	.90	8	<5	<5	.2	67	1384	42	33	87		
		417.00 418.00 1-2% finely disseminated pyrrhotite	104222	441.90	442.80	.90	7	9	6	.2	98	1366	48	32	97		
		+/- pentlandite.	104223	442.80	443.70	.90	5	7	<5	.3	170	1307	49	30	89		
		418.00 419.00 1% finely disseminated pyrrhotite +/-	104224	443.70	444.60	.90	5	12	6	.2	188	1518	47	24	87		
		pentlandite.	104225	444.60	444.60	.00	15	71	89	.8	2531	13500	90	37	218		
		419.00 420.00 1% finely disseminated pyrrhotite +/-	104226	444.60	445.50	.90	<5	6	6	<.2	118	1251	68	23	79		
		pentlandite.	104227	445.50	446.40	.90	6	9	5	<.2	201	992	111	23	75		
		420.00 421.00 Blank.															
		421.00 1% finely disseminated pyrrhotite +/-															
		pentlandite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		421.00 422.00 1% finely disseminated pyrrhotite +/- pentlandite.															
		422.00 423.00 0.5% finely disseminated pyrrhotite +/- pentlandite.															
		423.00 424.00 1% finely disseminated pyrrhotite +/- pentlandite.															
		424.00 425.00 1% finely disseminated pyrrhotite +/- pentlandite.															
		425.00 426.00 0.5-1% finely disseminated pyrrhotite +/- pentlandite.															
		426.00 427.00 Trace finely disseminated pyrrhotite +/- pentlandite.															
		427.00 428.00 Trace finely disseminated pyrrhotite +/- pentlandite.															
		428.00 429.00 0.5% finely disseminated pyrrhotite +/- pentlandite.															
		429.00 430.00 0.5-1% finely disseminated pyrrhotite +/- pentlandite.															
		430.00 431.00 0.5% finely disseminated pyrrhotite +/- pentlandite.															
		431.00 432.00 1-2% finely disseminated pyrrhotite +/- pentlandite, a few patches.															
		432.00 433.00 1-2% finely disseminated pyrrhotite +/- pentlandite.															
		433.00 434.00 1-2% finely disseminated pyrrhotite +/- pentlandite.															
		434.00 435.00 1% finely disseminated pyrrhotite +/- pentlandite.															
		435.00 436.00 1% finely disseminated pyrrhotite +/- pentlandite.															
		436.00 437.00 1% finely disseminated pyrrhotite +/- pentlandite.															
		437.00 438.00 Trace-0.5% finely disseminated pyrrhotite +/- pentlandite.															
		438.00 439.00 Trace-0.5% finely disseminated pyrrhotite +/- pentlandite.															
		439.00 440.00 Trace-0.5% finely disseminated pyrrhotite +/- pentlandite.															
		440.00 441.00 Trace finely disseminated pyrrhotite +/- pentlandite.															
		441.00 441.90 Trace finely disseminated pyrrhotite +/- pentlandite.															
		441.90 442.80 Trace finely disseminated pyrrhotite +/- pentlandite.															
		442.80 443.70 Trace finely disseminated pyrrhotite +/- pentlandite.															
		443.70 444.60 Standard ni 113.															
		444.60 Trace finely disseminated pyrrhotite +/- pentlandite.															
		444.60 445.50 Trace finely disseminated pyrrhotite +/- pentlandite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		445.50 446.40 0.5% pyrrhotite.															
446.40	448.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale grey-green matrix with patchy poorly developed	104228	446.40	447.20	.80	7	9	<5	<.2	733	766	767	34	156		
		random dark green olivine spinifex cut by 15%	104229	447.20	448.00	.80	<5	10	7	<.2	60	731	148	24	72		
		graphitic argillite, non magnetic, locally															
		conductive.															
		Good RQD of 85% with minor broken core.															
		Minor 30-40 degrees to core axis fracturing with															
		silver-black graphite and green serpentine.															
		Trace-0.5% brassy brown pyrrhotite specks, splashes															
		and disseminations.															
		446.90 20cm graphitic argillite, dark black,															
		fine grained, highly conductive, nil															
		sulphides.															
		Gradual lower contact.															
		446.40 447.20 Trace-0.5% pyrrhotite.															
		447.20 448.00 Nil-trace pyrrhotite.															
448.00	454.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale grey to dark black, fine grained, massive,	104230	448.00	449.00	1.00	<5	8	<5	<.2	55	746	141	21	59		
		hard, non magnetic, adcumulate-mesocumulate.	104231	449.00	450.00	1.00	<5	11	7	.4	64	929	118	21	71		
		Weak-moderate pale grey serpentine and carbonate	104232	450.00	450.90	.90	<5	9	5	<.2	105	997	62	20	73		
		alteration, patchy pistachio green serpentine.	104233	450.90	451.80	.90	<5	12	8	.2	148	1038	34	26	84		
		Good RQD of 90% with minor broken core.	104234	451.80	452.70	.90	<5	<5	<5	.2	94	1310	41	31	83		
		Minor 40-60 degrees to core axis fracturing with	104235	452.70	453.60	.90	<5	6	5	<.2	89	1170	39	33	79		
		serpentine-calcite-carbonate fracture filling.	104236	453.60	454.50	.90	<5	<5	<5	<.2	75	1136	32	33	84		
		Trace to at very best 0.5% brassy-brown pyrrhotite															
		disseminations/ specks, trace yellow-brown pyrite															
		along stringers/ fractures.															
		Gradual lower contact.															
		448.00 449.00 Trace-0.5% pyrrhotite.															
		449.00 450.00 Trace-0.5% pyrrhotite.															
		450.00 450.90 Trace pyrrhotite.															
		450.90 451.80 Trace-0.5% pyrrhotite.															
		451.80 452.70 Trace pyrrhotite.															
		452.70 453.60 Trace pyrrhotite.															
		453.60 454.50 Trace finely disseminated pyrrhotite															
		+/- pentlandite.															
454.50	475.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Similar to 407.7-446.4m.	104237	454.50	455.40	.90	<5	5	<5	<.2	58	1692	34	24	86		
		Dark black, fine grained, massive, homogeneous,	104238	455.40	456.30	.90	<5	5	<5	<.2	60	1554	28	25	80		
		hard, non magnetic, typical mineralized adcumulate.	104239	456.30	457.20	.90	<5	<5	<5	<.2	57	1711	29	26	85		
		Patchy moderately strong pistachio green serpentine	104240	457.20	458.10	.90	<5	6	<5	<.2	57	1815	29	26	88		
		alteration.	104241	458.10	459.00	.90	<5	<5	<5	<.2	53	1823	28	26	87		
		Good RQD of 85% with localized broken core.	104242	459.00	460.00	1.00	<5	<5	<5	<.2	65	1705	35	24	82		
		Minor fracturing at 40 and 60 degrees to core axis	104243	460.00	461.00	1.00	5	<5	<5	<.2	73	1763	42	26	81		
		with dark green and pistachio green serpentine	104244	461.00	462.00	1.00	<5	<5	<5	<.2	83	1697	27	25	81		
		fracture filling +/- white calcite.	104245	462.00	463.00	1.00	<5	<5	<5	<.2	91	1893	29	26	77		
		Several generations of stringers, 2% +/-	104246	463.00	464.00	1.00	<5	<5	<5	<.2	73	1761	27	25	83		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		hairlike-6mm white calcite, green-white serpentine	104247	464.00	465.00	1.00	7	5	<5	<.2	65	1956	31	30	90		
		and calcite and serpentine stringers at 45 and	104248	465.00	466.00	1.00	8	<5	<5	<.2	67	1361	29	29	70		
		60-70 degrees to core axis.	104249	466.00	467.00	1.00	10	5	<5	<.2	67	1601	30	34	86		
		Sulphide mineralization consists of trace-1-2% very	104250	467.00	467.00	.00	<5	<5	<5	<.2	84	39	19	38	16		
		finely disseminated pyrrhotite +/- pentlandite with	104251	467.00	468.00	1.00	<5	5	5	<.2	55	1781	33	31	88		
		rare specks to mm sized patches.	104252	468.00	469.00	1.00	7	11	7	<.2	55	1713	31	29	89		
		465.80 10% grey-white calcite cut by a few	104253	469.00	470.00	1.00	<5	5	<5	<.2	64	1613	33	32	81		
		white quartz-calcite stringers.	104254	470.00	471.00	1.00	<5	<5	<5	<.2	61	1360	32	31	76		
		Gradual lower contact.	104255	471.00	472.00	1.00	<5	6	5	<.2	89	788	27	28	64		
		454.50 455.40 Trace finely disseminated pyrrhotite															
		+/- pentlandite.															
		455.40 456.30 Trace-0.5% finely disseminated															
		pyrrhotite +/- pentlandite.															
		456.30 457.20 Trace finely disseminated pyrrhotite															
		+/- pentlandite.															
		457.20 458.10 Trace finely disseminated pyrrhotite															
		+/- pentlandite.															
		458.10 459.00 Trace finely disseminated pyrrhotite															
		+/- pentlandite.															
		459.00 460.00 Trace-0.5% finely disseminated															
		pyrrhotite +/- pentlandite.															
		460.00 461.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		461.00 462.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		462.00 463.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		463.00 464.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		464.00 465.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		465.00 466.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		466.00 467.00 Blank.															
		467.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		467.00 468.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		468.00 469.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		469.00 470.00 0.5-1% finely disseminated pyrrhotite															
		+/- pentlandite.															
		470.00 471.00 Trace finely disseminated pyrrhotite															
		+/- pentlandite.															
475.90	483.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale grey-green to dark grey-black, fine grained,															
		hard, non magnetic, sheared, local conductive															
		graphitic fractures.															
		Scattered dark green random olivine spinifex.															
		Pale green-grey serpentine alteration locally, very															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		weak graphite alteration and weak to moderate calcite alteration. Good RQD of 85-90% with minor fracturing filled with serpentine and local silver black graphite. Weak to moderate shear-foliation of 40-50 degrees to core axis. 1% Irregular high angle calcite stringers. No visible sulphides. 475.90 476.90 Pale grey-green serpentine alteration, no spinifex. 476.90 478.50 Pale grey-green serpentine alteration, with well developed random olivine spinifex. 478.50 483.20 Dark grey-black, sheared at 40 degrees to core axis, scattered very difficult to see random olivine spinifex due to shearing, calcite-graphite altered. Gradual lower contact.														
483.20	494.00	KOMATIITIC PERID0TITE Dark grey-black, fine grained, massive, homogeneous, very hard, non magnetic, no typical unit, adcumulate (?), local leucoxene. Slight reaction to HCl, very weak local serpentine. Good RQD of 90% with minor fracturing filled with dark green-black serpentine +/- calcite. 1-2% Hairlike to 6mm wide calcite stringers at 40-50 degrees to core axis. Local yellow-brown pyrite (0.5%) along stringers +/- rare brassy pyrrhotite.														
494.00		END OF HOLE														

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Northing: 5349280.00
Easting: 499000.00
Elevation: 284.15

Collar Azi.: .0
Collar Dip: -63.0

Hole length: 351.00
Units: Metric
Core size: NQ
Grid: N/A

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: March 11-22, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
80	2.7	-63.1
130	4.0	62.3
181	5.9	-62.3
232	8.3	-62.4
283	10.3	-61.7
351	13.0	-61.6

Drill Hole: GCL10-01W

Project: Langmuir Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349280
GPS Easting: 499000
Date Started: March 2, 2010
Date completed: March 2, 2010
Drilled by: Norex
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 136293-375
Lab report: 26598

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	19.40	OVERBURDEN 19m Of nw casing.															
19.40	34.70	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained, homogeneous, massive, fairly hard, weakly magnetic throughout. Very weak patchy grey-green serpentine alteration. Good RQD of 65-70% with numerous 30-40 cm sections of broken core. Moderately fracturing at 20-30 and 40-50 degrees to core axis with green to dark green black serpentine and some white calcite fracture filling. A few very thin calcite stringers. Trace randomly distributed yellow-brown pyrite.																
34.70	44.50	DIABASE Grey-green, fine grained, very hard, moderately magnetic, porphyritic. No reaction to HCl, minor pale green serpentine alteration. Decent RQD of 80% with minor broken core. Weak to moderately fractured at 20 and 40-50 degrees to core axis +/- serpentine fracture filling. 0.5-1% Yellow-green plagioclase phenocrysts from	136293	43.50	44.50	1.00	6	12	11	<.2	190	28	85	13	33		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		3-6mm in size.															
		0.5% Hairlike calcite stringers at around 50															
		degrees to core axis.															
		0.5% Yellow-brown pyrite disseminations.															
		Sharp wedge shaped lower contact at 30-35 degrees															
		to core axis.															
		43.50 44.50 Trace pyrite.															
44.50	48.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, homogenous, massive,	136294	44.50	45.40	.90	9	14	9	<.2	98	652	42	16	63		
		weakly magnetic.	136295	45.40	46.30	.90	5	11	7	<.2	104	712	39	16	69		
		Patchy green serpentinization, irregular medium	136296	46.30	47.20	.90	8	11	7	<.2	86	911	59	20	78		
		grained grey alteration patching.	136297	47.20	48.00	.80	5	13	9	<.2	95	800	42	17	76		
		Good RQD of ~75% with 5-15cm broken sections.	136298	48.00	48.80	.80	<5	11	7	<.2	95	806	45	16	72		
		Fracturing at ~30 degrees to core axis with green															
		to black serpentine fracture filling,															
		calcite-serpentine fracture filling, very thin															
		white calcite stringers at 90 degrees to core axis															
		and crosscutting at 50 degrees to core axis.															
		Finely disseminated pyrite with minor pyrrhotite.															
		Sharp irregular contact at ~35 degrees to core axis.															
		44.50 45.40 Trace pyrite.															
		45.40 46.30 Trace pyrite.															
		46.30 47.20 Trace-0.5% finely disseminated pyrite															
		and pyrrhotite.															
		47.20 48.00 1-2% finely disseminated pyrite and															
		pyrrhotite.															
		48.00 48.80 1-2% finely disseminated pyrite and															
		pyrrhotite.															
48.80	49.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-green, fine grained, spinifex textured,	136299	48.80	49.80	1.00	6	16	10	<.2	90	334	44	13	76		
		moderately magnetic.															
		Olivine fine mm to 1cm scale blade irregularly															
		oriented spinifex texture.															
		Moderate green to black serpentinization.															
		Good RQD of ~90%.															
		Calcite +/- serpentine fracture filling at 30-45															
		degrees to core axis.															
		Trace-2% finely disseminated yellow pyrite and															
		brassy brown pyrrhotite.															
		Lower contact at roughly 65 degrees to core axis.															
		48.80 49.80 Trace pyrite.															
49.80	54.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, homogenous, massive,	136300	49.80	49.80	.00	<5	<5	<5	<.2	15	20	7	5	3		
		weakly magnetic.															
		Patchy green serpentinization, irregular medium															
		grained grey alteration patching.															
		Good RQD of 75% with 5-15 cm broken sections.															
		Fracturing at 50-60 degrees to core axis with green															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		to black serpentine fracture and white-green calcite-serpentine fracture filling.															
		1-2% Irregular white calcite and green-black serpentine stringers.															
		Trace finely disseminated pyrite with minor pyrrhotite.															
		Gradual lower contact.															
		49.80 Blank.															
54.70	56.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-black spinifex textured unit, fine grained, hard, non magnetic.															
		Discontinuous sections of random grey-white olivine spinifex.															
		RQD of 75% with a few minor sections of broken core.															
		Minor fracturing between 40-60 degrees to core axis															
		+/- white-green calcite-serpentine filling.															
		1-3% White-green calcite-serpentine stringers at															
		40-60 degrees to core axis.															
		Rare yellow-brown pyrite.															
		Gradual lower contact.															
56.10	109.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black-grey, fine grained, homogenous, massive, weakly to moderately magnetic.															
		Patchy green-grey serpentinization.															
		Good RQD of 70-75% with 10cm- 2.5m broken sections.															
		Fracturing at 30 and 50-60 degrees to core axis															
		with green to black serpentine fracture and															
		white-green calcite-serpentine fracture filling.															
		1-3% Irregular white calcite and green-black															
		serpentine stringers.															
		Trace-0.5% finely disseminated pyrite-pyrrhotite,															
		generally associated with calcite-serpentine															
		stringers.															
		56.10 61.50 Broken core, maybe 60% rqd.															
		65.00 30cm broken core, 20% rqd.															
		69.50 88.60 A dozen or so separate sections of															
		10-30cm of broken core, 60-70% rqd.															
		88.60 100.70 Moderate to strongly broken core,															
		50-60% RQD at best.															
		Gradual lower contact.															
109.10	110.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-black spinifex textured unit, fine grained, hard, non magnetic, adcumulate.															
		Weak pale grayish serpentine-carbonate alteration.															
		Grey-black, random-irregular olivine spinifex,															
		mm-cm sized.															
		Minor broken core.															
		Rare yellow-brown pyrite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Gradual lower contact.															
110.30	126.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black-grey, fine grained, homogenous, massive, weakly to magnetic. Patchy grey-green serpentinization, locally pervasive. Good RQD of 75% with generally minor broken core. Local missing core. Fracturing at 30 and 50-60 degrees to core axis with green to black serpentine fracture and white-green calcite-serpentine fracture filling. 1-2% Irregular to high angle white calcite and green-black serpentine stringers. Trace pyrite-pyrrhotite, generally associated with calcite-serpentine stringers. 115.00 116.00 Mechanically lost core due to moderate local fracturing. 118.70 119.00 Broken, 35-40% rqd. 122.50 1-2% white leucoxene disseminations to end of unit. 123.40 126.80 Grey zone, weak-moderate serpentine-carbonate alteration, weakly brecciated with serpentine healing, local 60 degrees to core axis shearing, 4-5% irregular calcite-serpentine stringers/ healing, RQD of 70% but generally 0-20% 50cm from lower contact. Lower contact in broken core, roughly 60 degrees to core axis.														
126.80	147.70	BASALT															
		Green-grey, fine-medium grained, massive, homogeneous, hard to very hard, non magnetic, 1% disseminated leucoxene, possible pillow selvages (?). Weakly chlorite altered throughout. No reaction to hcl. Good RQD of 75% with a few sections of broken core. Weakly to locally moderately fractured with thin calcite-serpentine filling. Local iron-carbonate fracture filling. Fractures oriented at 30, 40 and 55 degrees to core axis. 1-2% Thin calcite stringers at 40, 50, 60 and 80 degrees to core axis. Finely disseminated trace pyrite and chalcopyrite with fine pyrite along stringer selvages. 126.80 128.60 Moderately broken core, RQD of 60%. 133.80 147.70 Unit becomes finer grained and slightly harder to lower contact.														

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Sharp lower contact at 55 degrees to core axis.															
147.70	150.50	KOMATIITIC PERID0TITE ADCUMULATE Dark black-grey, fine grained, homogenous, massive, very weak magnetism, hard to very hard due to proximity to basalt. Weakly serpentine altered. Good RQD of 80-85% with generally minor broken core. Minor fracturing at 40-60 degrees to core axis +/- serpentine and / or calcite fracture filling. 0.5% Irregular thin calcite stringers. Rare yellow-brown pyrite on fractures. Gradual lower contact.															
150.50	152.20	KOMATIITIC SPINIFEX PERIDOTITE Dark green chicken scratch olivine spinifex grading to more random cm sized spinifex. Dark grey-black matrix, fine grained, hard, weakly magnetic. Excellent RQD of 90% with minor fracturing filled with dark green serpentine. A few random calcite stringers. No visible sulphides. Gradual lower contact.															
152.20	183.80	KOMATIITIC PERID0TITE ADCUMULATE Dark black-grey, fine grained, homogenous, massive, weak magnetism, hard, local leucoxene, possible mesocumulate sections. Weakly serpentine altered with grey carbonate alteration locally. Good RQD of 80-85% with a few minor sections of broken core. Minor fracturing at 40-60 degrees to core axis +/- serpentine and / or calcite fracture filling. 0.5% To at best 1% hairlike to maybe 1cm wide calcite stringers at various angles. Rare to trace yellow-brown pyrite on fractures/ stringers and locally disseminated. 152.20 157.80 Patchy grey-green serpentinization with 1% leucoxene disseminations. 168.00 5cm section with 5 or so angular black graphitic fragments. Gradual lower contact.															
183.80	186.30	KOMATIITIC SPINIFEX PERIDOTITE Dark green random olivine spinifex in grey-black matrix, generally cm sized. Dark grey-black, fine grained, hard, slightly magnetic. Weak serpentine -carbonate alteration.	136301	185.30	186.30	1.00	13	8	12	<.2	48	209	46	9	46		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Good RQD of 80% with minor local broken core and some serpentine filled fractures +/- oxidation. A few thin white calcite stringers +/- oxidation. Rare pyrite on fractures. Sharp-irregular lower contact at 50 degrees to core axis. 185.30 186.30 Rare pyrite.															
186.30	187.80	BASALT															
		Not typical, resembles peridotite, dark green-grey, hard- very hard, non magnetic, fine grained, massive. Weak dark green chlorite alteration. No reaction to hcl. Excellent RQD of 90% with minor fracturing filled with dark green serpentine and oxidation (orange-brown). 1% Hairlike calcite stringers. 1% Pyrite-pyrrhotite disseminations locally with some associated with stringers/fractures. Mechanically ground lower contact. Appears to have been sharp and around 50-60 degrees to core axis. 186.30 187.00 0.5% yellow brown pyrite as smears on fractures and disseminations along stringers. 187.00 187.80 1-2% combined pyrrhotite and pyrite disseminations.	136302	186.30	187.00	.70	<5	<5	<5	<.2	145	92	56	10	42		
			136303	187.00	187.80	.80	5	<5	<5	<.2	94	87	48	14	45		
187.80	221.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to grey, fine grained, massive, homogeneous, moderately hard-hard, locally weakly magnetic, local conductive graphite fracture filling. Local leucoxene. Weak pervasive serpentine-carbonate alteration with local black graphitic staining. RQD of 75% with several sections of broken core +/- graphite. Weak to moderately fractured at 20-30 and 40-60 degrees to core axis. Fracture filling consists of dark green to green serpentine, white calcite-carbonate, black conductive graphite and orange-brown oxidation. 1-2 Generations of white-grey calcite and calcite serpentine stringers +/- oxidation locally at various orientations. Generally trace-0.5% pyrite disseminations associated with stringers/ fractures and smearing on fractures with local sections of 1-2% pyrite-pyrrhotite as interstial disseminations. 187.80 191.00 1-2% finely dissemination white-yellow leucoxene.	136304	187.80	188.80	1.00	<5	<5	7	<.2	66	706	44	11	68		
			136305	188.80	189.80	1.00	<5	<5	7	<.2	94	784	50	12	69		
			136306	189.80	190.80	1.00	<5	5	7	<.2	103	792	49	14	66		
			136307	190.80	191.80	1.00	<5	6	8	<.2	74	656	48	14	68		
			136308	191.80	192.80	1.00	6	5	7	<.2	78	701	49	17	78		
			136309	192.80	193.80	1.00	<5	<5	<5	<.2	83	930	37	13	77		
			136310	193.80	194.80	1.00	<5	<5	<5	<.2	65	767	27	10	58		
			136311	194.80	195.80	1.00	<5	<5	5	<.2	67	898	29	11	67		
			136312	205.90	206.90	1.00	<5	11	14	<.2	56	232	116	14	66		
			136313	206.90	206.90	.00	18	76	78	.8	1920	20800	90	51	364		
			136314	206.90	207.90	1.00	<5	10	13	<.2	65	341	78	17	58		
			136315	207.90	208.90	1.00	<5	8	10	<.2	133	383	56	18	67		
			136316	208.90	209.90	1.00	<5	9	11	<.2	128	756	51	17	78		
			136317	209.90	210.60	.70	<5	10	8	<.2	128	819	45	16	73		
			136318	210.60	211.20	.60	<5	7	10	.2	181	958	44	19	92		
			136319	211.20	212.10	.90	<5	13	15	<.2	196	297	43	19	69		
			136320	212.10	213.00	.90	<5	10	10	<.2	83	344	49	22	62		
			136321	213.00	213.90	.90	<5	8	11	<.2	71	547	52	16	61		
			136322	213.90	214.80	.90	6	11	13	<.2	56	299	53	17	52		
			136323	214.80	215.70	.90	<5	9	11	<.2	61	379	45	15	54		
			136324	215.70	216.70	1.00	<5	5	9	<.2	138	858	42	16	74		
			136325	216.70	217.70	1.00	<5	<5	9	<.2	95	841	39	17	68		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
	191.40	40cm of slightly graphitic broken	136326	217.70	218.70	1.00	<5	6	11	<.2	82	798	39	16	67		
		core, 0% RQD, trace-0.5% pyrite.	136327	218.70	219.70	1.00	<5	5	8	<.2	82	374	33	13	53		
187.80	193.80	0.5-2% finely disseminated	136328	219.70	220.70	1.00	<5	7	10	<.2	87	313	34	15	52		
		pyrite-pyrrhotite.	136329	220.70	221.70	1.00	<5	6	10	<.2	99	740	37	20	74		
199.30	210.10	Moderately broken core, 50% RQD,															
		local black graphite staining (10%)															
		and pale green moderate serpentine															
		patches, 2% black conductive graphite															
		seams, trace-0.5% pyrite-pyrrhotite															
		smears on fractures with local fine															
		disseminations.															
209.90	211.20	0.5-2% brassy brown pyrrhotite and															
		brown pyrite as disseminations with a															
		few tiny patches along stringers.															
		Some purple-red hematite alteration															
		(?).															
211.20	221.70	Trace-0.5% pyrite and pyrrhotite as															
		disseminations both in matrix and															
		associated with stringers/ fractures.															
Gradual lower		contact.															
187.80	188.80	0.5-1% interstial disseminations of															
		brownish pyrite and brassy brown															
		pyrrhotite.															
188.80	189.80	1-2% interstial disseminations of															
		brownish pyrite and brassy brown															
		pyrrhotite.															
189.80	190.80	1-3% interstial disseminations of															
		brownish pyrite and brassy brown															
		pyrrhotite.															
190.80	191.80	0.5% interstial disseminations of															
		brownish pyrite and brassy brown															
		pyrrhotite, broken core, graphitic.															
191.80	192.80	0.5-1% interstial disseminations of															
		brownish pyrite and brassy brown															
		pyrrhotite.															
192.80	193.80	0.5-1% interstial disseminations of															
		brownish pyrite and brassy brown															
		pyrrhotite.															
193.80	194.80	Trace-0.5% interstial disseminations															
		of brownish pyrite and brassy brown															
		pyrrhotite.															
194.80	195.80	Trace interstial disseminations of															
		brownish pyrite and brassy brown															
		pyrrhotite.															
205.90	206.90	Bracket sample, rare pyrite,															
		graphitic.															
206.90		Standard ni 115.															
206.90	207.90	Trace pyrite, graphitic-serpentine															
		altered, broken core.															
207.90	208.90	Trace pyrite, graphitic-serpentine															
		altered, broken core.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		208.90 209.90 Trace-0.5% pyrite, graphitic-serpentine altered, broken core.															
		209.90 210.60 1-2% pyrite-pyrrhotite at best as disseminations and tiny patches.															
		210.60 211.20 0.5-1% disseminations of pyrite and pyrrhotite.															
		211.20 212.10 Trace pyrite-pyrrhotite disseminations.															
		212.10 213.00 Trace pyrite-pyrrhotite smears and disseminations.															
		213.00 213.90 Trace pyrite-pyrrhotite smears and disseminations.															
		213.90 214.80 Trace pyrite-pyrrhotite smears and disseminations.															
		214.80 215.70 Trace pyrite-pyrrhotite smears and disseminations.															
		215.70 216.70 Trace pyrite-pyrrhotite smears and disseminations.															
		216.70 217.70 Trace pyrite-pyrrhotite smears and disseminations.															
		217.70 218.70 Trace pyrite-pyrrhotite smears and disseminations.															
		218.70 219.70 Trace-0.5% pyrite-pyrrhotite smears and disseminations.															
		219.70 220.70 Trace-0.5% pyrite-pyrrhotite smears and disseminations.															
		220.70 221.70 Trace pyrite-pyrrhotite smears and disseminations.															
221.70	250.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, weak local remnant magnetism, hard.	136330	221.70	221.70	.00	<5	<5	<5	<.2	2	20	8	2	3		
			136331	221.70	222.60	.90	<5	5	8	<.2	95	791	41	19	75		
		Pervasive pistachio green serpentine alteration patches.	136332	222.60	223.50	.90	<5	7	15	<.2	140	967	40	23	92		
			136333	223.50	224.40	.90	6	<5	5	<.2	136	601	33	22	63		
		RQD of 80% with local broken core.	136334	224.40	225.30	.90	<5	<5	8	<.2	131	902	41	24	84		
		Weak to locally moderate fracturing at 20-30 and	136335	225.30	226.20	.90	7	8	15	<.2	118	1015	36	22	80		
		40-60 degrees to core axis. Thin dominantly	136336	226.20	227.10	.90	8	<5	7	<.2	106	912	35	23	75		
		pistachio green to dark green serpentine filling	136337	227.10	228.00	.90	8	7	12	<.2	96	1040	38	22	84		
		+/- white calcite filling.	136338	228.00	229.00	1.00	6	7	11	<.2	101	954	34	23	78		
		Multiple generations, maybe 2-4%, white to	136339	229.00	230.00	1.00	8	7	14	<.2	103	1051	35	21	77		
		green-white serpentine, calcite and	136340	230.00	231.00	1.00	<5	<5	6	<.2	111	1016	36	20	78		
		serpentine-calcite stringers at 20-30 and 50-70	136341	231.00	232.00	1.00	<5	5	8	<.2	104	1007	34	27	80		
		degrees to core axis. Some cross cutting noted.	136342	232.00	232.00	.00	10	75	92	.8	2642	12000	82	26	289		
		Trace-2% finely disseminated brassy brown	136343	232.00	233.00	1.00	<5	<5	5	<.2	80	1199	33	20	87		
		pyrrhotite +/- trace pyrite and some local smearing	136344	233.00	234.00	1.00	<5	6	5	<.2	81	1094	31	20	85		
		on fractures.	136345	234.00	235.00	1.00	<5	<5	<5	<.2	83	1171	31	19	88		
		236.50 238.50 Broken core, maybe 60-65% rqd.	136346	235.00	236.00	1.00	5	<5	<5	<.2	69	1134	32	18	90		
		236.50 237.00 5% quartz-calcite- carbonate veins at	136347	236.00	237.00	1.00	<5	<5	<5	<.2	80	979	31	21	78		
		10-20 degrees to core axis.	136348	237.00	238.00	1.00	<5	8	15	<.2	110	991	34	24	88		
		240.90 247.60 Weak to moderately fractured broken	136349	238.00	239.00	1.00	<5	<5	8	<.2	90	1061	33	22	78		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		core, 60% RQD, 50cm lost core.	136350	239.00	240.00	1.00	<5	5	9	<.2	119	1145	36	23	88		
		Gradual lower contact.	136351	240.00	241.00	1.00	<5	13	17	<.2	95	1071	32	21	83		
	221.70	Blank.	136352	241.00	242.00	1.00	5	5	6	<.2	128	997	32	23	83		
221.70	222.60	Trace pyrite-pyrrhotite	136353	242.00	243.00	1.00	<5	5	8	<.2	100	1049	34	21	95		
		disseminations.	136354	243.00	243.00	.00	<5	<5	<5	<.2	5	20	3	<2	2		
222.60	223.50	Trace-0.5% pyrite-pyrrhotite	136355	243.00	244.00	1.00	<5	<5	11	<.2	97	1140	36	22	93		
		disseminations.	136356	244.00	245.00	1.00	<5	6	12	<.2	99	1136	36	22	96		
223.50	224.40	Trace pyrite-pyrrhotite	136357	245.00	245.90	.90	<5	13	16	<.2	140	1206	37	24	99		
		disseminations.	136358	245.90	246.80	.90	<5	14	18	<.2	100	1142	37	22	93		
224.40	225.30	Trace-0.5% pyrite-pyrrhotite	136359	246.80	247.70	.90	<5	7	8	<.2	113	912	37	22	78		
		disseminations.	136360	247.70	248.60	.90	<5	<5	5	<.2	105	875	40	22	78		
225.30	226.20	Trace-0.5% pyrite-pyrrhotite	136361	248.60	249.50	.90	<5	5	8	<.2	112	852	42	23	82		
		disseminations.	136362	249.50	250.30	.80	<5	<5	6	<.2	111	873	45	23	76		
226.20	227.10	0.5% pyrite-pyrrhotite disseminations.															
227.10	228.00	0.5% pyrite-pyrrhotite disseminations.															
228.00	229.00	1% pyrrhotite disseminations, trace pyrite.															
229.00	230.00	1-2% pyrrhotite disseminations, trace pyrite.															
230.00	231.00	1-2% pyrrhotite disseminations, trace pyrite.															
231.00	232.00	1-2% pyrrhotite disseminations, trace pyrite.															
232.00		Standard ni 113.															
232.00	233.00	2-3% pyrrhotite disseminations, trace pyrite.															
233.00	234.00	2-3% pyrrhotite disseminations, trace pyrite.															
234.00	235.00	1-2% pyrrhotite disseminations, trace pyrite.															
235.00	236.00	2-3% pyrrhotite disseminations, trace pyrite.															
236.00	237.00	2-3% pyrrhotite disseminations, trace pyrite.															
237.00	238.00	0% RQD, some lost core, maybe 1% pyrrhotite.															
238.00	239.00	Some lost core, maybe 1-2% pyrrhotite.															
239.00	240.00	Some lost core, maybe 1-2% pyrrhotite.															
240.00	241.00	1-2% pyrrhotite disseminations, trace pyrite.															
241.00	242.00	0.5% disseminated pyrrhotite.															
242.00	243.00	Trace-0.5% disseminated pyrrhotite.															
243.00		Blank.															
243.00	244.00	Trace-0.5% disseminated pyrrhotite, 20-30cm lost core.															
244.00	245.00	40cm lost core, trace-0.5% disseminated pyrrhotite.															
245.00	245.90	1-3% disseminated pyrrhotite with a few tiny blebs.															
245.90	246.80	Trace-0.5% disseminated pyrrhotite, minor broken core.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		246.80 247.70 Trace-0.5% disseminated pyrrhotite, minor broken core.															
		247.70 248.60 Trace-0.5% disseminated pyrrhotite, minor broken core.															
		248.60 249.50 Trace-0.5% disseminated pyrrhotite, minor broken core.															
		249.50 250.30 Trace-0.5% disseminated pyrrhotite, minor broken core.															
250.30	256.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive, moderately hard, slight local magnetism. Pervasive grayish-white carbonatization with greenish serpentinization. Good RQD of 90% with minor fracturing +/- serpentine-calcite fracture filling. A few generations of white to grey-white calcite-quartz-carbonate stringers +/- serpentine, maybe 3-4%, hairlike to 1cm wide at 20-50 degrees to core axis. Generally trace pyrrhotite disseminations, locally maybe 0.5%. Trace dull brown pyrite along a few stringers. Gradual lower contact.	136363	250.30	251.30	1.00	<5	<5	5	<.2	91	618	29	18	63		
			136364	251.30	252.30	1.00	<5	<5	<5	<.2	95	691	33	18	64		
			136365	252.30	253.30	1.00	<5	<5	5	<.2	100	507	42	19	56		
			136366	253.30	254.30	1.00	<5	<5	7	<.2	85	523	45	16	56		
			136367	254.30	255.30	1.00	<5	5	6	.2	99	528	53	15	58		
		250.30 251.30 0.5% disseminated pyrrhotite.															
		251.30 252.30 Trace-0.5% disseminated pyrrhotite.															
		252.30 253.30 Trace disseminated pyrrhotite, local specks of pyrite along stringers.															
		253.30 254.30 Trace disseminated pyrrhotite.															
		254.30 255.30 Trace disseminated pyrrhotite.															
256.00	258.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to pale green-grey, fine grained, spinifex textured mesocumulate, massive, moderately hard, locally magnetic. Dark green random olivine spinifex in grey-black matrix, generally cm sized. Weak to moderate carbonate and greenish serpentine alteration. Good RQD of 85% with minor serpentine filled fractures. 0.5% Random hairlike calcite-serpentine stringers. Rare to trace pyrrhotite and yellow pyrite on fractures. Gradual lower contact.															
258.80	275.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, moderately hard, locally slightly magnetic, locally fractured, oxidized fractures/ stringers. Moderate to weakly carbonate altered with weak	136368	264.00	264.70	.70	<5	<5	<5	<.2	185	734	86	15	61		
			136369	264.70	265.30	.60	5	132	269	.5	622	6595	127	21	153		
			136370	265.30	266.30	1.00	<5	<5	<5	<.2	174	1066	58	16	64		
			136371	272.80	273.80	1.00	<5	<5	<5	<.2	111	1083	23	19	84		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		patchy grey and green serpentine alteration, a few	136372	273.80	274.80	1.00	<5	<5	<5	<.2	110	1062	21	19	77		
		local graphite altered sections.	136373	274.80	274.80	.00	23	64	90	.7	2621	11900	83	29	280		
		RQD of 70-80% with several sections of broken core	136374	274.80	275.80	1.00	<5	<5	<5	.2	100	863	23	19	65		
		including some fault seams locally.															
		Moderately to weakly fractured at 20-30 and 40-60															
		degrees to core axis. Fracture filling consists of															
		dominantly calcite-carbonate and serpentine with															
		occasional graphite and brown-orange oxidation.															
		Grey-white and green, 2-4% irregular															
		carbonate-serpentine stringers.															
		Rare to trace brassy pyrrhotite and brown pyrite															
		disseminations with local smears of pyrite on															
		fractures.															
		264.70 60cm broken core, 0% RQD, highly															
		fractured, reddish hematite and															
		limonite on fractures.															
		265.00 3-5mm wide, irregularly shaped															
		sulphides stringer, dominantly dull															
		brown pyrite with some brassy brown															
		pyrrhotite.															
		267.00 40cm of broken core, 25% rqd.															
		271.00 275.80 Adcumulate-mesocumulate sections,															
		weakly carbonate altered, patchy															
		pistachio green alteration, rare to															
		trace disseminated pyrite-pyrrhotite.															
		Good lower contact obtained at 60 degrees to core															
		axis.															
		264.00 264.70 Trace disseminated pyrite-pyrrhotite.															
		264.70 265.30 Trace disseminated and smears of															
		pyrite-pyrrhotite, 0% rqd.															
		265.30 266.30 Trace disseminated pyrite-pyrrhotite.															
		272.80 273.80 Trace disseminated pyrite-pyrrhotite.															
		273.80 274.80 Trace disseminated pyrite-pyrrhotite.															
		274.80 Standard ni 113.															
		274.80 275.80 Trace disseminated pyrite-pyrrhotite.															
275.80	286.80	FAULT ZONE															
		Major fault zone in mesocumulate peridotite.	136375	275.80	276.80	1.00	<5	6	9	<.2	138	555	62	20	81		
		Pale grey to grey, fine grained, sheared,															
		moderately hard, weakly magnetic.															
		Pervasive carbonate with patchy black graphite and															
		green-grey serpentine alteration.															
		Poorly RQD of 20-30%, abundant broken core with 10%															
		clay/rock fault gouge and local graphitic seams.															
		Maybe 70% recovery.															
		Weak to moderate shearing at 50-60 degrees to core															
		axis.															
		1-2% Irregular serpentine-calcite stringers.															
		Rare pyrite on fractures.															
		278.00 Drillers block mentions seam, which															
		is located in highly fracture gouge															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		fault section of unit.															
		283.50 50cm section of graphitic broken core/ seam, slight conductivity, 0% rqd.															
		284.00 286.80 Competent section with 60 degrees to core axis shearing.															
		Sharp lower contact at 60 degrees to core axis.															
		275.80 276.80 A few pyrite smears.															
286.80	306.60	DIABASE															
		Dark green, medium grained with fining towards contacts, massive, homogeneous, porphyritic, moderately magnetic, gabbroic textures.															
		No reaction to HCl, weak serpentine alteration.															
		1-2% Yellow-green plagioclase phenocrysts up to 1-2cm in size.															
		Excellent RQD of 90% with minor 50-60 degrees to core axis fracturing +/- serpentine-calcite filling.															
		Trace-0.5% scattered flakes of pyrite.															
		A few hairlike calcite stringers.															
		Sharp lower contact at 45 degrees to core axis.															
306.60	312.10	INTERMEDIATE DYKE															
		Grey-brown, fine-medium grained, massive, homogeneous, 2-3% peridotite fragments (less 1cm).															
		Weakly to moderately biotitic, minor calcite alteration.															
		Excellent RQD of 85% with minor fracturing.															
		1% Hairlike calcite stringers.															
		Trace-0.5% dull brown pyrite disseminations.															
		308.50 309.50 Carbonate altered mesocumulate, contacts at 80 and 30 degrees to core axis.															
		Sharp lower contact at 60 degrees to core axis.															
312.10	324.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Black-grey, fine grained, sheared, moderately hard, weakly magnetic.															
		Pervasive grayish-white carbonatization with greenish serpentinization.															
		Decent RQD of 80% with minor broken core and some weak associated faulting.															
		Weak shearing at 40-60 degrees to core axis.															
		3-4% Irregular carbonate-calcite stringers +/- serpentine. Stringers generally paralleling shearing.															
		Trace with local 0.5% yellow-brown pyrite disseminations.															
		Sharp lower contact at 30 degrees to core axis.															
324.50	327.00	INTERMEDIATE DYKE															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Grey-brown, fine-medium grained, massive, homogeneous. Weakly biotitic, minor calcite alteration. Excellent RQD of 85% with minor fracturing. A few quartz-feldspar stringers at 40 degrees to core axis. Trace dull brown pyrite disseminations.															
		325.10 40cm mesocumulate peridotite wedge, contacts at 60 and 30 degrees to core axis.															
		326.20 20cm mesocumulate peridotite wedge, contacts at 60 and 30 degrees to core axis.															
		Lower contact at roughly 40 degrees to core axis.															
327.00	348.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, fine grained, sheared, moderately hard, weakly magnetic. Weak to moderate carbonatization with patchy serpentine alteration. Weak to moderate shearing at 25-50 degrees to core axis. RQD of 85-90% with minor fracturing and broken core +/- calcite-carbonate filling. 4-6% White quartz-carbonate stringers +/- serpentine at various angle but generally paralleling shearing-foliation. Trace disseminated yellow-brown pyrite associated with stringers/ fractures.															
		336.75 25cm intermediate dyke, trace pyrite, contacts at 60 degrees to core axis.															
		343.00 343.50 Intermediate dyke, broken core, 30% RQD, trace pyrite, contacts at 30 and 65 degrees to core axis.															
		Sharp lower contact at 60 degrees to core axis.															
348.90	351.00	INTERMEDIATE DYKE															
		Grey-brown, massive, fine-medium grained, hard, non magnetic. Weakly biotitic with a minor calcite alteration. Excellent RQD of 90-95% with a few fractures. Trace yellow-brown disseminated pyrite.															
351.00		END OF HOLE															

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Northing: 5349220.00
Easting: 499000.00
Elevation: 284.15

Collar Azi.: .0
Collar Dip: -65.0

Hole length: 308.00
Units: Metric
Core size: NQ
Grid: N/A

Materials left: Pulled Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: Hole Abandoned @308m
Logged by: J. Craig
Date(s) logged: March 16-25, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
56	4.2	-64.9
107		-65.1
158	4.0	-65.1
209	2.4	-65.2
260	2.2	-65.3

Drill Hole: GCL10-02W

Project: W2 Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349220
GPS Easting: 499000
Date Started: March 9, 2010
Date completed: March 18, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146001-031
Lab report: 26599

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	46.00	OVERBURDEN 46m Of casing.															
46.00	58.60	FAULT ZONE Dark grey, fine grained adcumulate peridotite (80% olivine), hard, non-magnetic, fractured and faulted. Pervasive carbonatization, very weak serpentinization. Fair RQD of 70%. 5% Erratic calcite stringers at a wide variety of angles and cross-cutting angles. Trace finely disseminated pyrite, up to 1% small pyrrhotite and chalcopyrite blebs within calcite vein selvages. Fault zone consists of intense fracturing and shearing with 10cm and 20cm thick fault gouge zones at 52m and 52.8m. Lower contact gradational into unfaulted adcumulate.														
58.60	80.30	KOMATIITIC PERID0TITE ADCUMULATE Black, fine grained, ~80% olivine adcumulate peridotite, hard, non-magnetic, massive, homogeneous Weak carbonate alteration with chlorite and irregular patches of lighter grey and green serpentine alteration.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Good RQD of 75% with minor broken sections.															
		Fracturing at 45-70 degrees to core axis, with calcite +/- chlorite or serpentine fracture filling. Trace finely disseminated pyrite throughout, 1-1.5% fine-grained brassy-yellow pyrrhotite and pyrite patches in carbonate-serpentine selvages.															
		Gradational lower contact over 20cm.															
80.30	86.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, fine grained mesocumulate peridotite (70% olivine), hard, non-magnetic, homogeneous. Weak carbonate alteration and serpentinization, coarser patchy alteration texture for 5 to15cm that is reactive to HCl but with fine pyrrhotite and pyrite.															
		Good RQD of 85%, minor fractures.															
		1-2% Calcite stringers at 60 to 80 degrees to core axis. Fracturing at 45 to 60 degrees to core axis with calcite fracture filling. Finely disseminated pyrite and yellow chalcopyrite throughout, 1-2% visual estimate.															
		Gradational lower contact over 1m.															
86.00	97.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, fine grained, ~80% olivine adcumulate peridotite, hard, non-magnetic, massive, homogeneous Moderate carbonate alteration patches with moderate serpentine alteration.															
		Decent RQD of 65%.															
		Fracturing prevalent and oriented at 50-75 degrees to core axis.															
		1-2% Wispy calcite stringers at ~70 degrees to core axis. Trace disseminated pyrite throughout, pyrrhotite and pyrite up to 1% seen in serpentine-calcite fracture filled vein selvages.															
		87.50 88.00 1% white leucoxene disseminations.															
		Irregular lower contact over 10cm.															
97.40	110.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-black spinifex textured unit, fine grained, hard, non-magnetic, adcumulate. Moderate carbonate alteration with weak serpentine alteration. Fair RQD of ~75%. Fracturing at high angles degrees to core axis, fracture filled calcite. Fine random whips olivine spinifex, mm-scale grading into irregular fine spinifex and more bladey or feathery olivine mm-cm scale spinifex,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		often reacting to HCl.															
		Few calcite and chlorite stringers at 45-60 degrees to core axis.															
		Finely disseminated pyrite and chalcopyrite seen, up to 1% visual estimate.															
		101.50 102.00 Fine grained, black, adcumulate lensitic in KOMATIITIC SPINIFEX PERIDOTITE (no spinifex seen).															
		104.00 104.50 Fine grained, black, adcumulate lensitic in KOMATIITIC SPINIFEX PERIDOTITE (no spinifex seen).															
		Lower contact gradational.															
110.00	114.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, fine grained, ~80% olivine adcumulate peridotite, hard, non-magnetic, massive, homogeneous															
		Moderate to weak serpentine alteration and carbonation.															
		Good RQD of 85%, minor fractures.															
		Weakly fractured at 60 degrees to core axis.															
		1% Thin calcite stringers at 50 to 75 degrees to core axis.															
		Disseminated pyrite and pyrrhotite, up to 1% seen throughout.															
		Gradational lower contact into spinifex textured peridotite.															
114.50	120.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium-dark grey spinifex textured peridotite unit, fine grained, hard, non-magnetic, adcumulate.															
		Pervasive carbonate alteration.															
		Good RQD of ~85%.															
		Weak fracturing at 50 degrees to core axis.															
		Textures variably, irregular dominating with fine olivine mm to cm scale, grading into larger needly/platy spinifex texture olivine hopper blades.															
		Very fine calcite stringers at 60-70 degrees to core axis, few larger calcite-serpentine filled fractures at 45 degrees to core axis.															
		Finely disseminated pyrite, up to 1%.															
		10cm Gradational lower contact into KOMATIITIC PERID0TITE ADCUMULATE.															
120.40	142.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, fine grained, ~80% olivine adcumulate peridotite, hard, non-magnetic, massive, homogeneous															
		Moderate serpentine alteration with moderate carbonation alteration intensifying near contact.															
		Good RQD of ~75-80%% (re-do, drillers said there was lost core here).															
		Minor fracturing at 60 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Thin calcite and serpentine stringers at ~45-60															
		degrees to core axis.															
		Disseminated pyrite and pyrrhotite, up to 1% seen															
		throughout.															
		Irregular lower contact into spinifex textured															
		komatiitic.															
142.90	144.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey spinifex textured peridotite unit, fine															
		grained, hard, non-magnetic, adcumulate.															
		Minor carbonate alteration.															
		Good RQD of ~85%.															
		Weak to no fracturing.															
		Feathery hopper olivine blades, mm's to cm scale.															
		Few very fine calcite stringers at 65 degrees to															
		core axis.															
		Trace pyrite.															
		Irregular lower contact.															
144.30	221.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, fine grained, ~80% olivine adcumulate	146001	178.40	179.40	1.00	5	9	9	<.2	121	584	12	34	40		
		peridotite, hard, non-magnetic, massive, homogeneous	146002	179.40	180.00	.60	8	<5	8	<.2	93	807	21	25	51		
		Pervasive serpentinite alteration and weak to	146003	180.00	180.60	.60	<5	<5	<5	<.2	68	758	22	32	53		
		moderate and patchy carbonate alteration	146004	180.60	181.60	1.00	5	12	8	<.2	70	719	20	24	51		
		selectively intensifying, serpentine-talc	146005	188.00	189.00	1.00	<5	9	8	<.2	86	703	24	28	56		
		alteration common and patchy.	146006	189.00	190.00	1.00	<5	10	7	<.2	72	739	22	28	59		
		Decent RQD of 60-70%.	146007	190.00	191.00	1.00	<5	9	7	<.2	96	864	27	29	60		
		Moderate fracturing at 60-70 degrees to core axis.	146008	191.00	192.00	1.00	<5	8	7	<.2	93	837	29	32	60		
		Chlorite, calcite and calcite+serpentine stringers	146009	192.00	192.90	.90	<5	7	9	<.2	99	719	27	31	59		
		at 50-65 degrees to core axis.	146010	192.90	193.80	.90	<5	5	7	<.2	86	841	24	29	59		
		Trace disseminated pyrite and pyrrhotite, up to	146011	193.80	193.80	.00	<5	<5	<5	<.2	12	53	2	4	3		
		0.5% to a dusting of pyrite and pyrrhotite of	146012	193.80	194.80	1.00	20	<5	6	<.2	110	809	25	31	57		
		1-1.5% and blebs seen on fracture surfaces.	146013	194.80	195.80	1.00	<5	<5	7	<.2	100	888	26	32	57		
		147.50 150.00 Broken up core prevalent.	146014	200.00	201.00	1.00	12	6	7	<.2	128	859	26	34	60		
		157.10 157.30 Dark grey random textured spinifex	146015	201.00	202.00	1.00	<5	<5	6	<.2	95	899	26	30	57		
		peridotite unit, fine grained, hard,	146016	202.00	203.00	1.00	<5	6	9	<.2	90	579	25	26	51		
		weakly magnetic, adcumulate, strongly	146017	203.00	203.00	.00	18	66	96	.8	2582	12100	71	42	289		
		carbonate altered.	146018	207.80	208.80	1.00	20	7	9	<.2	92	658	31	31	57		
		164.30 164.40 Dark grey spinifex textured	146019	208.80	209.80	1.00	<5	7	8	.3	102	847	32	34	64		
		peridotite unit, fine grained, random	146020	209.80	210.80	1.00	6	6	7	<.2	114	839	33	33	60		
		textured spinifex, fine olivine	146021	210.80	211.80	1.00	11	12	7	<.2	95	917	29	34	58		
		blades, hard, weakly magnetic,	146022	211.80	212.80	1.00	<5	6	7	<.2	84	869	29	28	58		
		adcumulate.	146023	212.80	213.80	1.00	<5	<5	7	<.2	108	862	29	32	58		
		166.30 168.00 Grey spinifex textured adcumulate	146024	213.80	214.80	1.00	<5	<5	7	<.2	103	813	25	32	57		
		peridotite, fine grained, coarser	146025	214.80	215.80	1.00	<5	<5	7	<.2	137	717	25	35	52		
		platy olivine hopper blades															
		coarsening with depth.															
		170.50 172.00 Grey spinifex textured adcumulate															
		peridotite, fine grained, random,															
		chicken scratch, and platy olivine															
		hopper blades, mm's-cm's scale.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
174.60	175.20	Grey spinifex textured adcumulate peridotite, fine grained, carbonaceous, random and chicken scratch textured olivine blades, mm-1cm scale blades.															
178.30	180.00	Grey spinifex textured adcumulate peridotite, fine grained, carbonaceous, random and chicken scratch textured olivine blades, mm-1cm scale blades.															
180.00	180.20	Black, fine grained, more serpentine altered section, more sulphides observed as dusty/disseminated pyrrhotite and pyrite, ~1-1.5%.															
180.20	180.40	Dark grey, fine grained, mesocumulate pseudo brecciation having a 'crackeds appearance with serpentine amygdales and along fractures with talc+serpentine alteration and disseminated pyrite and pyrrhotite (~1%).															
187.50	202.00	Starting to see larger blebs of pyrrhotite and pyrite along fractures (1-2%) and more frequent dusting of disseminated pyrite and pyrrhotite.															
192.00	192.10	Small10cm fault zone with serpentine-talc fault gouge.															
192.30	193.50	Broken up core section, loss of 30cm of core, with pyrite and pyrrhotite blebs on fractured surfaces(1-2%) and serpentine+talc along fractures ~40 degrees to core axis with serpentine amygdales.															
201.00	202.00	Very fine dusting of disseminated pyrite and pyrrhotite, ~1-1.5%.															
200.00		Adcumulate magnetism heightened around 200m to moderately magnetic.															
205.00	206.00	Pervasive blotchy talc+serpentine alteration.															
207.10	208.80	Grey spinifex textured adcumulate peridotite, fine grained, carbonaceous, random texture grading into chicken scratch to few olivine blades as texture dwindles.															
208.80	214.70	Reappearance of pyrite and pyrrhotite blebs on fracture surfaces, ~1-2% at 2-10mm size (fine grained).															
216.60	217.40	Mesocumulate pseudo brecciation, blotchy fracturing and alteration with serpentine+talc, 'crackeds appearance.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		178.40 179.40 Trace pyrite.															
		179.40 180.00 1-2% finely disseminated pyrite and pyrrhotite.															
		180.00 180.60 Up to 1% finely disseminated pyrite and pyrrhotite.															
		180.60 181.60 Trace pyrite.															
		188.00 189.00 Trace fine dusting of disseminated pyrite, up to 1%.															
		189.00 190.00 Very fine dusting of disseminated pyrite and pyrrhotite, ~1%.															
		190.00 191.00 Very fine dusting of disseminated pyrite and pyrrhotite, ~1%.															
		191.00 192.00 Very fine dusting of disseminated pyrite and pyrrhotite, ~1%.															
		192.00 192.90 Finely disseminated pyrite and pyrrhotite with larger blebs along fractured surfaces, ~1-2%.															
		192.90 193.80 Finely disseminated pyrite, ~0.5%.															
		193.80 Blank.															
		193.80 194.80 Very fine dusting of disseminated pyrite and pyrrhotite, ~0.5%.															
		194.80 195.80 Trace pyrite.															
		200.00 201.00 Very fine trace pyrite.															
		201.00 202.00 Very fine dusting of disseminated pyrite and pyrrhotite, ~1-1.5%.															
		202.00 203.00 Very fine trace pyrite.															
		203.00 Ni 113 standard.															
		207.80 208.80 Trace pyrite.															
		208.80 209.80 Finely disseminated pyrite and pyrrhotite with larger blebs along fractured surfaces, ~1-2%.															
		209.80 210.80 Finely disseminated pyrite and pyrrhotite with larger blebs along fractured surfaces, ~1-2%.															
		210.80 211.80 Finely disseminated pyrite and pyrrhotite with larger blebs along fractured surfaces, ~1-2%.															
		211.80 212.80 Finely disseminated pyrite and pyrrhotite with larger blebs along fractured surfaces, ~1-2%.															
		212.80 213.80 Finely disseminated pyrite and pyrrhotite with larger blebs along fractured surfaces, ~1-1.5%.															
		213.80 214.80 Finely disseminated pyrite and pyrrhotite with larger blebs along fractured surfaces, ~1%.															
		214.80 215.80 Trace pyrite.															
221.00	235.00	DIABASE															
		221.00 Sharp lower contact into fine gained chill margin diabase at 50 degrees to															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		core axis.															
		Grey-green diabase dike, fine grained, very hard, moderately magnetic, porphyritic plagioclase phenocrysts. Weak pale green serpentine alteration, non-carbonaceous. Good RQD of ~85%. Moderate fracturing at 60 to 70 degrees to core axis +/- serpentine or chlorite fracture filling. 1% Yellowish-greenish plagioclase phenocrysts 3-9mm in size. Few thin calcite+/- chlorite stringers at 40-60tca. 0.5-1% Pyrite blebs and disseminations throughout dike. Lower contact in broken core, at ~60 degrees to core axis with a finer grained chilled margin.															
235.00	280.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, fine grained, ~80% olivine adcumulate peridotite, hard, moderately to weakly magnetic, massive, homogeneous. Moderate-weak serpentine and patchy serpentine+talc alteration (darker serpentinization spots and amygdales) with varying patches of carbonate alteration. Decent RQD of 65% with several broken core sections. Fracturing prevalent with pistachio green serpentine+/-calcite fracture filling at 45-65 degrees to core axis. Few calcite stringers at 65 degrees to core axis, serpentine and chlorite stringers with talc halos ~60-70 degrees to core axis. Trace finely disseminated pyrite with pyrrhotite and pyrrhotite often blebby on fracture surfaces and in calcite veins selectively throughout unit.															
		239.50 240.00 Grey spinifex textured adcumulate peridotite, fine grained, patchy talc alteration, random and chicken scratch textures observed.															
		236.40 236.70 30cm broken core section.															
		237.60 237.80 20cm broken core section.															
		241.00 241.40 40cm broken core section.															
		244.00 244.20 20cm broken core section.															
		247.00 247.50 50cm broken core section.															
		250.10 250.40 30cm broken core section.															
		256.80 257.20 40 cm broken core section.															
		257.00 Finely disseminated 'dustings of pyrite+/-pyrrhotite pervasive, ~1-2%.															
		258.40 265.30 Large fine grained blotches/disseminations of pyrite and pyrrhotite in calcite stringers,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		~1.5--2%.															
		265.30 265.50 Dykelet of fine grained, grayish brown mafic volcanics with thin chill margins.															
		266.50 267.50 1-2% fine grained leucoxene disseminations.															
		269.00 271.50 Possible flow top breccia, fine black serpentine micro fractures, aphanitic peridotite, mottled serpentine alteration appearance.															
		271.50 274.20 Grey spinifex textured adcumulate peridotite, fine grained, random and chicken scratch textures observed (fine mm's scale olivine blades).															
		274.20 277.00 Pervasive but weak-moderate talc+serpentine alteration of adcumulate.															
		277.00 280.30 Grey spinifex textured adcumulate peridotite, fine grained, random and chicken scratch textures less obvious until close inspection due to fine olivine blades, observed grading into more platy spinifex textured olivine hopper blades (up to 1.5cm long).															
280.30	284.90	BASALT MASSIVE FL0W															
		280.30 Lower contact marked by fracturing at 60 degrees to core axis, not obvious but very hard unit introduced.															
		Grey-grayish green, fine grained, extremely hard, non-magnetic, massive, homogeneous, basalt.															
		Weak grey-green serpentine alteration and selective carbonate alteration.															
		Good RQD of 85-90%.															
		Minor fracturing with thin fault gouge (less than 1cm thick) at 45 degrees to core axis.															
		Hairlike to 2cm wide calcite+/-serpentine veins and veinlets at 65 to 80 degrees to core axis.															
		1-3% Leucoxene disseminations throughout unit.															
		Trace-0.5% finely disseminated pyrite and pyrrhotite with an affinity with fracture-fill calcite stringers.															
		Sharp lower contact into KOMATIITIC PERIDOTITE GRAPHITIC at 60 degrees to core axis.															
284.90	299.30	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black to dark grey, fine to medium grained, peridotite, hard to moderate hardness, non to weakly magnetic (patchy), with short intercalating serpentine altered greenish orthocumulate and larger graphitic sections above a flow top.	146026	291.00	292.00	1.00	<5	6	8	<.2	110	772	86	36	53		
			146027	292.00	293.00	1.00	<5	<5	6	<.2	108	959	59	26	59		
			146028	293.00	294.00	1.00	<5	<5	5	<.2	188	908	187	32	59		
			146029	299.00	300.00	1.00	6	52	84	<.2	139	1296	67	34	74		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Moderate serpentine and graphitic alteration.															
		Good RQD of 80-85%.															
		Minor fracturing at 50-70 degrees to core axis with minor calcite filling and more abundant silvery to black graphite on fractures.															
		Thin calcite stringers at 55-70 degrees to core axis															
		30% Highly graphitic sections.															
		Pyrite and pyrrhotite mainly localized filling calcite vein selvages, ~1-2%, and very finely disseminated in matrix (~1%).															
		290.60 Fine grained pyrite and pyrrhotite in matrix of peridotite at upper spinifex contact, possibly some pentlandite, ~2%.															
		285.90 286.30 Black fine grained graphitic section, soft, foliated ~60 degrees to core axis representing graphitic argillite seen above the flow top.															
		286.30 286.70 Green coarser grained orthocumulate peridotite section, serpentine altered, and foliated at 50 degrees to core axis.															
		286.70 286.90 Thinner black fine grained, soft, graphitic section interspersed with adcumulate, foliated ~60 degrees to core axis.															
		286.90 287.00 Thin ptygmatic folding of calcite and serpentine stringers at 50 degrees to core axis.															
		290.60 292.00 Sharp contact out of a graphitic section into spinifex textured peridotite at flow top, graphitically altered, with random to chicken scratch textured olivine hopper blades to coarser olivine blades and back into random texture with depth.															
		297.00 299.80 White patchy-brecciated talc alteration representing pseudobrecciated mesocumulate.															
		297.40 299.20 Reddish-orange rodenbergite alteration in calcite stringers.															
		297.00 299.30 Pyrite and pyrrhotite mineralization localized around pseudobrecciated mesocumulate fractures (1-2%).															
		293.30 Fine grained pyrite filling a calcite vein, 1-2%.															
		Sharp contact into graphitic pepperite at ~70 degrees to core axis.															
		291.00 292.00 Trace pyrite.															
		292.00 293.00 Very fine grained disseminated pyrite and pyrrhotite, 1-2%.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		293.00 294.00 Trace pyrite.															
		299.00 300.00 Very finely disseminated pyrite, up to 0.5%.															
299.30	300.00	KOMATIITIC PYROXENITE GRAPHITIC PEPPERITE															
		Fine grained, dark grey to black, graphitic section with angular fragments suggesting it is a graphitic pepperite.															
		Moderate graphitic alteration.															
		Decent RQD of 75%.															
		Weak-moderate fracturing generally at 60-70 degrees to core axis.															
		20% Angular black-brown silvery fragments up to 4cm in size.															
		Pepperite fragments are surrounded by pyrite with minor pyrrhotite along fragment boundaries, 1-2%, ~1% pyrite and pyrrhotite also localized along fractures.															
300.00	308.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		300.00 Irregular contact out of graphitic pepperite, fragments becoming smaller and then stopping.	146030	300.00	301.00	1.00	<5	<5	5	<.2	111	1175	26	21	60		
			146031	301.00	302.00	1.00	<5	<5	<5	<.2	99	1167	25	28	60		
		Fine grained, grey-dark grey, hard, mesocumulate to adcumulate peridotite with small black round serpentine amygdules.															
		Patchy to pervasive talc+serpentine alteration, minor carbonate alteration.															
		Good RQD of ~80%.															
		1-3% Fracturing generally at 60 degrees to core axis, with clay and calcite filling fractures and pyrite and pyrrhotite along fractures (~1%).															
		1% Quartz, quartz-carbonate, and carbonate veining at 40 to 65 degrees to core axis.															
		Very fine grained disseminated pyrite and pyrrhotite, in matrix and shadowing amygdules, 1-2%.															
		306.50 Quartz-carbonate vein at 5 degrees to core axis, 1cm thick.															
		300.00 5-10% small 2-4mm black round serpentine amygdules surrounded by fine grained pyrite and pyrrhotite, amygdules fine and are less abundant with depth.															
		300.00 301.00 Very fine grained disseminated pyrite and pyrrhotite, in matrix and shadowing amygdules, 1-2%.															
		301.00 302.00 Trace pyrite.															
308.00		END OF HOLE															

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Northing: 5349250.00
Easting: 498950.00
Elevation: 290.00

Collar Azi.: 360.0
Collar Dip: -65.0

Hole length: 350.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: J. Craig
Date(s) logged: March 29, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
35	.6	-62.4
86	3.4	-62.0
137	6.9	-62.0
188	7.1	-62.2
239	6.9	-62.2
290	4.2	-62.2

Drill Hole: GCL-10-03

Project: W2 Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349250
GPS Easting: 498950
Date Started: March 24, 2010
Date completed: March 29, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146032-146050,146101-146136
Lab report: 26599

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	25.00	OVERBURDEN 25m Of casing.															
25.00	43.90	KOMATIITIC PERID0TITE ADCUMULATE Fine grained, dark-grey to black, hard, moderately magnetic, massive, homogeneous, adcumulate peridotite (~75-80% olivine). Pervasive serpentinite alteration and weak to moderate and patchy carbonate alteration selectively intensifying, serpentine-talc alteration common and patchy. Poorly RQD of 40-60%. Abundant fracturing, ~2-10% at 60-70 degrees to core axis, with several small ~3-5cm sheared/faulted sections at 60 degrees to core axis. Calcite and serpentine+calcite stringers at 50-65 degrees to core axis and cross-cutting at 5 degrees to core axis. Finely disseminated pyrite (<0.5%), with small 1-2mm fine grained blebs of pyrite up to 1%. Blank. 27.30 29.50 RQD of 30%, 1.5m of broken core. 31.60 31.90 Small fault at 60 degrees to core axis with 1cm green-grey clay fault gouge. 37.20 5cm sheared section with 1-2cm long															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		fine grained pyrrhotite bleb along shear															
		38.00 40.70 RQD of 30-40%, ~1m of broken core.															
		40.90 43.40 RQD of 20-0%, 2m broken core.															
		43.60 43.70 10cm sheared black to grey-green talc+serpentine segment, with ~1% fine-grained pyrite abundant in black serpentine shears.															
		43.80 Nine 2-4cm subrounded white fragments/xenoliths of medium to coarse grained diorite.															
		Sharp lower contact marked by color and talc-alteration abundance.															
43.90	46.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, fine grained mesocumulate peridotite (70% olivine), hard, non-magnetic, massive, homogeneous.															
		Weak carbonate alteration and serpentinization, coarser patchy alteration texture at start of unit.															
		Decent RQD of 60-70%.															
		Abundant fracturing at 60-70 degrees to core axis with sections of broken up core and calcite fracture filling at 60 degrees to core axis.															
		Fine grained disseminated pyrite throughout unit, up to 0.5% and ~1-2% coarser pyrite on fracture surfaces.															
		44.00 1m washed/grinded core.															
		45.70 15cm core loss, heavily broken up section.															
		Sharp lower contact at ~70 degrees to core axis marked by darker, harder unit and appearance of leucoxene disseminations.															
46.60	50.80	BASALT MASSIVE FL0W															
		Fine grained, dark grey, very hard, weakly magnetic, massive, homogeneous basalt.															
		Weak grey-green serpentine alteration and selective carbonate alteration.															
		RQD of 70%.															
		Weak fracturing at 45 degrees to core axis with minor calcite fracture filling.															
		Fine grained ~1% pyrite localized in calcite stringers.															
		5-10% Fine grained buff colored leucoxene disseminations at beginning of unit.															
		1-3% Calcite stringers at 45-50 degrees to core axis															
		Lower contact sharp but in broken core.															
50.80	56.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, fine grained mesocumulate peridotite, hard, non-magnetic, massive, homogeneous.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Weak grey-green serpentine alteration and selective carbonate alteration.															
		RQD of 75%.															
		Fracturing generally at 65 degrees to core axis.															
		Minor calcite veining more abundant around brecciated flow top, at 50-65 degrees to core axis.															
		Up to 0.5% finely disseminated pyrite and 1-2% brassy brown pyrrhotite in sheared sections.															
		51.10 5cm long strongly carbonate altered sheared section at 80 degrees to core axis with 1-2% brassy brown pyrrhotite and lesser pyrite in darker serpentine altered areas.															
		52.90 56.80 Unit appears to be pseudo-brecciated representing a flow top.															
		Sharp lower contact at 55 degrees to core axis.															
56.80	86.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium-dark grey random to platy spinifex textured peridotite unit, fine grained, hard, non-magnetic, adcumulate.															
		Pervasive carbonate alteration, intercalated with serpentine alteration with sections of more intensely pistachio green colored altered patches and sections of less serpentine altered but very poorly developed subtle spinifex texture.															
		Good RQD of 75-80%.															
		Fracturing at 65 degrees to core axis with minor calcite fracture filing.															
		~5% calcite stringers at 45-65 degrees to core axis and cross-cutting at 10 degrees to core axis, black serpentine altered stringers with pistachio green alteration halos at various angles.															
		Up to 0.5% finely disseminated pyrite.															
		56.80 57.50 Spinifex texture begins with finer random textured olivine blades to longer (few cm long) well defined olivine platy bladed texture.															
		58.90 59.60 Reappearance of spinifex texture starting with smaller random olivine blades grading into larger 1-2cm scale olivine hopper blades.															
		66.60 67.10 Spinifex texture begins with finer random textured olivine blades to longer (few cm long) well defined olivine platy bladed texture.															
		72.90 77.10 Spinifex texture begins with finer random textured olivine blades to chicken scratch and feathery olivine blades to longer (few cm long) well defined olivine platy bladed texture.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		and then back into more random texture.															
		84.70 86.20 Spinifex textured section with feathery to platy olivine blades from 2-3cm long.															
		76.40 40cm broken up core section.															
		78.30 30cm broken up core section.															
		Gradual lower contact out of spinifex textured unit over 20cm and back into adcumulate.															
86.20	143.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, moderately to fairly magnetic, massive, homogeneous, adcumulate peridotite.															
		Selective carbonate alteration, weak to no talc alteration and weak to moderate serpentine alteration.															
		Decent RQD of 70% with sections of broken core.															
		Fracturing at 60 degrees to core axis with healed calcite filled fractures, fracturing also at 10-15 degrees to core axis.															
		Pistachio green serpentine stringers at 10 degrees to core axis, calcite stringers at 55 to 75 degrees to core axis.															
		Finely disseminated pyrite with coarser pyrite along fractures, up to 0.5%.															
		90.40 90.60 Fine grained, grey, spinifex texture, finer 1cm long random to chicken scratch olivine blades.															
		99.70 100.30 Fine black and green serpentine micro-fractures and black serpentine amygdules giving the section the appearance of a flow top breccia.															
		100.30 100.80 Fine grained, grey, spinifex texture, finer up to 1cm long random olivine blades.															
		107.10 107.40 Pale green serpentine-carbonate veins at 50 degrees to core axis.															
		103.40 104.50 ~60cm core loss in broken up core, RQD of 10%.															
		109.70 30cm broken up core section.															
		114.00 50cm broken up core section.															
		116.00 116.50 Broken up and sheared section.															
		124.00 124.90 Broken up core, RQD of 20%.															
		132.90 134.40 Broken up core, RQD of 10%.															
		135.70 136.30 Broken up core, RQD of 10-20%.															
		137.40 138.10 Broken up core, RQD of 10%.															
		142.10 142.70 Broken up core, RQD of up to 10%.															
		Irregular lower contact into spinifex textured peridotite.															
143.20	149.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium-dark grey random to platy mm-2cm long															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		olivine blades, spinifex textured peridotite unit, fine grained, hard, non-magnetic, adcumulate with intermittent faint to non-spinifex textured segments Weakly talc and serpentine altered, carbonate along fractures. RQD of 70-75%. Weak fracturing at 40-45 degrees to core axis. Few pistachio green serpentine stringers at 60 degrees to core axis and calcite stringers at 45-60 degrees to core axis. Finely disseminated pyrite up to 0.5%. 143.20 144.50 Random to chicken scratch spinifex with mm to 1cm long olivine blades. 147.80 149.50 Random texture quickly grading into platy olivine bladed spinifex texture. Gradual lower contact out of spinifex textured unit back into adcumulate.														
149.50	182.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, moderately to fairly magnetic, massive, homogeneous, adcumulate peridotite with few serpentine amygdules. Selective carbonate alteration, weak to no talc alteration and weak to moderate serpentine alteration. Decent RQD of 70% with sections of broken core. Fracturing at 60 degrees to core axis with healed calcite filled fractures, fracturing also at 10-15 degrees to core axis. 5% 45-65 Degrees to core axis, and 70-80 degrees to core axis. Up to 1% fine grained disseminated pyrite with 1-2mm cubic pyrite in black serpentine amygdules. 156.20 156.40 Random to chicken scratch spinifex with mm to 1cm long olivine blades. 163.70 164.10 Section of broken core, RQD of 20%. 166.70 167.00 Broken up core, RQD of 10%. 168.00 168.80 Broken and sheared core at 15 degrees to core axis. 169.30 170.20 Broken up core, RQD of 20%. 179.20 179.70 Broken up core, RQD of 25%. Lower contact in broken core.														
182.30	198.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, fine grained mesocumulate peridotite, hard, moderately magnetic, massive, homogeneous. Pervasive to weakly talc altered, serpentine altered, and patchy carbonate alteration. Poorly RQD of 45%. Several sections of broken core, fracturing at 60 to 70 degrees to core axis with some calcite															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		filling fractures and coarse calcite crystals growing on fracture surfaces.															
		5% Calcite veining at 55-65 degrees to core axis and cross-cutting at 70-80 degrees to core axis, 1-3% serpentine stringers at ~60 degrees to core axis.															
		Up to 1% finely disseminated pyrite with coarser 1% cubic pyrite crystals along fractures.															
		184.70 186.50 Medium grey spinifex, platy 2cm long olivine blades, patchy carbonate alteration and weak but pervasive talc alteration.															
		188.00 188.30 Platy spinifex with 2cm long olivine blades.															
		190.00 191.30 Random to platy and feathery spinifex texture.															
		184.40 184.70 30cm broken core section, RQD of up to 10%.															
		189.20 191.90 Highly fractured and broken up core, RQD of 20%.															
		Sharp lower contact at 40 degrees to core axis into diabase dyke with first 30cm in broken up core.															
198.50	225.10	DIABASE															
		Grey-green diabase dike, fine grained, very hard, weakly to moderately magnetic, porphyritic plagioclase phenocrysts.															
		Weak pale green to buff serpentine alteration, non-carbonaceous.															
		Good RQD of 80%.															
		Fracturing at the beginning of the unit and generally at 60-65 degrees to core axis with minor calcite fracture filling.															
		1% White calcite stringers at 50 to 65 degrees to core axis and cross-cutting at 70-80 degrees to core axis.															
		Up to 1% finely disseminated dusting of pyrite and ~1mm size fine grained blebs of up to 1% pyrite.															
		1-3% White to pale green anhedral 1-2cm porphyritic plagioclase phenocrysts.															
		Sharp lower contact at 50 degrees to core axis with 10cm long very fine grained chill margin.															
225.10	266.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to grey-green, fine grained mesocumulate peridotite, hard, weakly magnetic, massive, homogeneous.															
		Weakly serpentine altered, selectively and weakly talc altered.															
		Good RQD of 80-85%.															
		Fracturing at 70-80 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Two generations of 1-3% white calcite stringers at 50 degrees to core axis and 75 degrees to core axis. Fine grained disseminated pyrite, up to 0.5%, fine grained up to 1% pyrite along calcite stringers close to lower contact.															
		228.00 233.00 Random spinifex texture with fine grained up to 0.5cm long olivine blades.															
		240.50 243.30 Random spinifex texture with fine grained subtle up to 0.5cm long olivine blades.															
		245.20 248.00 Random spinifex texture with fine grained subtle olivine blades grading into longer platy 1-2.5cm olivine blades.															
		260.60 262.30 Random spinifex texture with fine grained subtle olivine blades grading into longer platy 2-4cm aligned olivine blades.															
		256.10 1-3% fine grained 1-3mm serpentine amygdules appears.															
		Sharp lower contact at 50 degrees to core axis.															
266.10	274.20	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black to greenish black, fine to medium grained, graphitic peridotite, hard to moderate hardness, non-magnetic, with short intercalating serpentine altered greenish orthocumulate and graphitic sections above a flow top. Pervasive moderate serpentine alteration, and graphite alteration. Good RQD of 75-80%. Fracturing at 60-70 degrees to core axis with calcite fracture filling. % calcite stringers at 45-50 degrees to core axis and cross-cutting at 70 degrees to core axis, few fine black serpentine stringers at 60 degrees to core axis and a single 3cm thick quartz-carbonate-serpentine vein at 50 degrees to core axis. Up to 1% fine grained 1-2mm cubic pyrite in calcite stringers, with 1% coarser pyrite along fracture surfaces, ~1% pyrite and up to 1% pyrrhotite in graphitic section. Pale green 20-30 cm orthocumulate segments foliated at ~55 degrees to core axis.	146032	272.20	273.20	1.00	<5	<5	5	<.2	96	596	74	24	49		
			146033	273.20	274.20	1.00	<5	6	6	<.2	167	672	98	32	67		
		269.30 274.20 Graphitic matrix.															
		273.30 273.80 Black, fine grained, graphitic argillite section with few fine grained pyrite and pyrrhotite disseminations.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Irregular lower contact in broken core with black															
		micro-fractures likely in a flow top.															
		272.20 273.20 Trace pyrite with ~1% pyrite on															
		fracture surfaces.															
		273.20 274.20 Graphitic section with ~1% fine															
		grained pyrite and pyrrhotite.															
274.20	277.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium grey platy mm-2cm long olivine blades to	146034	274.20	275.20	1.00	<5	<5	5	<.2	117	707	35	20	52		
		chicken scratch spinifex textured peridotite, fine	146035	275.20	276.20	1.00	<5	<5	5	<.2	83	855	21	16	55		
		grained, hard, homogeneous, massive, non-magnetic,	146036	276.20	276.90	.70	<5	<5	<5	<.2	89	1187	21	27	60		
		adcumulate with rodenbergite altered stringers.	146037	276.90	277.60	.70	5	<5	<5	<.2	122	1287	25	44	68		
		Weak patchy talc alteration, moderate to strong															
		serpentine alteration and weak to no carbonate															
		alteration.															
		Good RQD of 75-80%.															
		Minor fracturing at 60 degrees to core axis with															
		some calcite+serpentine fracture filling.															
		Calcite stringers at 50 degrees to core axis, with															
		erratic pistachio green serpentine stringers often															
		at 45-60 degrees to core axis and often red-orange															
		rodenbergite altered stringers.															
		1% Fine grained pyrite along calcite stringers,															
		1-2% fine grained pyrite disseminations and															
		clusters throughout matrix.															
		275.00 276.30 5-15% red-orange rodenbergite altered															
		stringers and more intensely															
		red-orange oxidation along olivine															
		blades in spinifex, possibly															
		rodenbergite alteration.															
		Gradual lower contact with spinifex dwindling.															
		274.20 275.20 Very fine grained pyrite dusted															
		throughout matrix and along calcite															
		stringers, ~1%.															
		275.20 276.20 Very fine grained pyrite dusted															
		throughout matrix and along															
		rodenbergite altered calcite															
		stringers, ~1%.															
		276.20 276.90 Very fine grained pyrite dusted															
		throughout matrix and along															
		rodenbergite altered calcite															
		stringers, ~1%.															
		276.90 277.60 Very fine grained pyrite dusted															
		throughout matrix and along															
		rodenbergite altered calcite															
		stringers, ~1%.															
277.60	308.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Black to very dark grey, fine grained, hard,	146038	277.60	277.60	.00	15	178	90	.9	3041	6180	56	40	269		
		massive, non-magnetic, homogeneous, adcumulate	146039	277.60	278.60	1.00	<5	<5	<5	.4	91	1318	25	34	69		
		peridotite.	146040	278.60	279.60	1.00	<5	<5	<5	<.2	78	1015	18	25	50		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Moderately to strongly serpentine altered with	146041	279.60	280.60	1.00	<5	<5	<5	<.2	88	1302	25	32	62		
		abundant pistachio green stringers, weak to	146042	280.60	281.60	1.00	<5	<5	<5	<.2	94	1097	28	28	63		
		moderate dark red rodenbergite alteration often	146043	281.60	282.60	1.00	9	5	7	<.2	130	862	31	25	60		
		coincidental with sulphides, lesser talc alteration.	146044	282.60	283.70	1.10	<5	7	11	<.2	108	363	56	33	55		
		Good RQD of ~75%.	146045	283.70	284.70	1.00	<5	<5	8	<.2	106	676	121	29	58		
		5% Fracturing commonly at 60 degrees to core axis	146046	284.70	285.70	1.00	8	<5	12	<.2	275	823	384	37	68		
		with calcite and serpentine often filling fractures.	146047	285.70	286.70	1.00	<5	<5	9	<.2	120	730	64	25	53		
		5% Abundant calcite stringers at 50-60 degrees to	146048	286.70	287.70	1.00	7	<5	13	<.2	122	745	32	24	56		
		core axis and cross-cutting at ~70 degrees to core	146049	287.70	288.70	1.00	<5	9	16	<.2	160	900	27	27	60		
		axis, pistachio green to pale green serpentine	146050	288.70	289.70	1.00	8	<5	10	<.2	115	824	24	26	57		
		stringers at 45-50 degrees to core axis, and	146101	289.70	290.70	1.00	5	<5	16	<.2	134	1058	29	28	67		
		serpentine+calcite stringers at 60 degrees to core	146102	290.70	290.70	.00	<5	<5	<5	<.2	18	61	5	5	4		
		axis.	146103	290.70	291.70	1.00	<5	5	15	<.2	116	1185	36	31	74		
		~1% finely disseminated pyrite grading into more	146104	291.70	292.70	1.00	<5	<5	5	<.2	77	1148	32	27	59		
		abundant 1-2% extremely fine dusting of pyrite and	146105	292.70	293.70	1.00	<5	6	15	<.2	128	1270	38	30	69		
		~1% pyrrhotite, also up to 1% pyrite along	146106	293.70	294.70	1.00	6	<5	7	<.2	112	1140	35	28	68		
		stringers/rodenbergite altered areas and fractures,	146107	294.70	295.70	1.00	23	<5	9	<.2	113	934	46	28	63		
		and up to 1% fine grained 1-3mm blebs/splashes of	146108	295.70	296.70	1.00	10	37	117	.5	602	5905	27	24	84		
		yellow chalcopyrite along few quartz-serpentine	146109	296.70	297.70	1.00	148	70	690	.6	647	6775	36	36	102		
		veinlets.	146110	297.70	298.70	1.00	8	<5	5	<.2	91	986	19	20	58		
		283.20 283.70 Knobby to platys 2+cm long olivine	146111	298.70	299.70	1.00	12	13	14	<.2	199	316	51	23	48		
		bladed spinifex, carbonate altered,	146112	299.70	300.70	1.00	8	14	13	<.2	114	291	49	30	48		
		with 1mm fine grained disseminated up	146113	300.70	301.70	1.00	<5	7	11	<.2	74	245	35	22	45		
		to 0.5% pyrite blebs.	146114	301.70	302.70	1.00	<5	11	12	<.2	69	371	48	29	50		
		283.70 285.70 Black graphite zone, fine grained,	146115	302.70	303.70	1.00	7	<5	5	<.2	131	580	20	20	53		
		silvery fracture surfaces, up to 0.5%	146116	303.70	304.70	1.00	<5	7	10	<.2	165	442	50	29	62		
		fine grained pyrite along fractures	146117	304.70	305.70	1.00	<5	<5	5	<.2	96	651	24	21	51		
		and calcite stringers.	146118	305.70	306.70	1.00	6	<5	<5	<.2	103	950	37	30	72		
		285.00 Weak to moderate rodenbergite	146119	306.70	307.70	1.00	48	<5	<5	<.2	105	1078	39	29	74		
		alteration begins again coincidental	146120	307.70	307.70	.00	14	80	76	.9	1924	20700	91	54	364		
		with extremely fine grained 1-2%	146121	307.70	308.30	.60	80	<5	<5	<.2	91	981	37	24	72		
		pyrite.															
		287.00 Unit is more intensely serpentine															
		altered with abundant pale serpentine															
		stringers and black serpentine															
		appearing to mask the sulphides.															
		295.60 295.70 2cm long spinifex needles, platy.															
		296.60 296.70 10cm long quartz-serpentine vein at															
		65 degrees to core axis with 1-3mm															
		blebs/splashes of ~0.5-1% yellow															
		chalcopyrite.															
		298.60 299.00 40cm crushed/broken core.															
		298.80 299.20 Small section of black, fine grained,															
		graphitic argillite with a up to 1%															
		chalcopyrite in a quartz vein.															
		299.60 300.80 Section of broken core, 25-30cm															
		missing, RQD of 25%.															
		301.40 302.50 Heavily serpentine altered, pistachio															
		to pale green section.															
		304.30 304.50 RQD of 15%, broken core section.															
		Lower contact irregular and marked by color change.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
	277.60	Standard ni 112.															
277.60	278.60	Very fine grained pyrite disseminations, ~1%, with coarser 1% pyrite along fractures.															
278.60	279.60	Very fine grained pyrite disseminations, ~1%, coarser 1% pyrite along fractures, trace pyrrhotite.															
279.60	280.60	Very fine grained pyrite disseminations, ~1-2%, coarser 1% pyrite along fractures, trace pyrrhotite.															
280.60	281.60	Very fine grained pyrite disseminations, ~1-2%, coarser 1% pyrite along fractures.															
281.60	282.60	Very fine grained pyrite disseminations, ~1-2%, coarser 1% pyrite along fractures.															
282.60	283.70	Up to 0.5% fine grained 1mm sized pyrite blebs disseminated in spinifex textured sub-unit, up to 1% pyrite on fractures.															
283.70	284.70	Fine grained, up to 0.5% fine grained pyrite disseminated and along fractures/calcite stringers in graphite.															
284.70	285.70	Fine grained, up to 0.5% fine grained pyrite disseminated and along fractures/calcite stringers in graphite.															
285.70	286.70	Very fine grained disseminated pyrite, ~1-2% interspersed with rodenbergite alteration.															
286.70	287.70	Very fine grained disseminated pyrite, ~1-2% interspersed with rodenbergite alteration.															
287.70	288.70	Very fine grained disseminated pyrite, ~1-2% interspersed with rodenbergite alteration, possible pyrrhotite.															
288.70	289.70	Very fine grained disseminated pyrite, ~1-2% interspersed with rodenbergite alteration, possible pyrrhotite.															
289.70	290.70	Very fine grained disseminated pyrite, ~1-2% interspersed with rodenbergite alteration, possible pyrrhotite.															
290.70		Blank.															
290.70	291.70	Very fine grained disseminated pyrite, up to 0.5-1%.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		291.70 292.70 Very fine grained disseminated pyrite and pyrrhotite, up to 0.5-1%.															
		292.70 293.70 Very fine grained disseminated pyrite, up to 0.5%.															
		293.70 294.70 Very fine grained disseminated pyrite, up to 0.5%.															
		294.70 295.70 Very fine grained disseminated pyrite, 0.5-1% with 1% coarse pyrite along fractures.															
		295.70 296.70 Very fine grained pyrite along stringer selvages and matrix up to 0.5%, with 1% pyrrhotite in fine blebs, and up to 1% chalcopyrite in quartz-serpentine vein.															
		296.70 297.70 1-2% pyrrhotite in 2-3mm splashes and filling in few small veins, up to 1% yellow chalcopyrite along vein selvages.															
		297.70 298.70 Up to 1% very fine grained pyrite and trace pyrrhotite.															
		298.70 299.70 Up to 0.5% very fine grained pyrite, trace pyrrhotite, and up to 0.5% chalcopyrite in a quartz vein.															
		299.70 300.70 Very fine grained up to 1% pyrite, trace pyrrhotite.															
		300.70 301.70 Fine grained disseminated pyrite, up to 0.5%.															
		301.70 302.70 Fine grained disseminated pyrite, up to 0.5%.															
		302.70 303.70 Trace to 1% fine grained pyrite associated with rodenbergite alteration.															
		303.70 304.70 Trace to fine grained disseminated pyrite, up to 0.5%.															
		304.70 305.70 1% very fine grained pyrite and pyrrhotite.															
		305.70 306.70 1% very fine grained pyrite and pyrrhotite.															
		306.70 307.70 Trace to fine grained disseminated pyrite, up to 0.5%.															
		307.70 Standard ni 115.															
		307.70 308.30 Trace to fine grained disseminated pyrite, up to 0.5%.															
308.30	316.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to medium grey-green, fine grained mesocumulate peridotite, hard, non-magnetic, massive, homogeneous with intermittent small (2-3mm) black serpentine amygdules. Moderately to strongly serpentine altered with abundant pale green stringers, weak to moderate	146122	308.30	309.30	1.00	<5	<5	<5	<.2	100	849	27	23	61		
			146123	309.30	310.30	1.00	8	5	8	<.2	88	454	78	16	41		
			146124	310.30	311.30	1.00	62	16	6	<.2	90	587	53	23	53		
			146125	311.30	312.30	1.00	6	<5	6	<.2	71	771	26	15	53		
			146126	312.30	313.30	1.00	5	<5	5	<.2	68	887	21	18	61		
			146127	313.30	314.30	1.00	<5	<5	<5	<.2	66	855	13	15	55		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		dark red rodenbergite alteration often coincidental	146128	314.30	315.30	1.00	<5	<5	<5	<.2	56	1200	9	14	58		
		with sulphides, moderate talc alteration and weak	146129	315.30	316.00	.70	<5	<5	<5	<.2	99	1244	19	16	64		
		to nil carbonate alteration.															
		Decent RQD of 65% with broken sections noted.															
		Moderate fracturing at 60-65 degrees to core axis															
		with some pale serpentine fracture filling.															
		1-10% Quartz-serpentine and serpentine stringers at															
		60-70 degrees to core axis.															
		Very fine grained up to 1% disseminated dusting of															
		pyrite with trace pyrrhotite to 1-2mm blebs of 1%															
		pyrrhotite and pyrite often associated with															
		rodenbergite alteration.															
		311.50 312.10 ~5-10% red-orange rodenbergite															
		alteration in matrix with associated															
		fine grained up to 1% pyrite.															
		313.40 316.00 Medium to pale grey-green, fine															
		grained mesocumulate with 3-5% black															
		1-2mm serpentine amygdules.															
		309.60 310.50 Broken core section, RQD of 10%,															
		~20cm core loss.															
		Lower contact sharp at 80 degrees to core axis into															
		black graphite.															
		308.30 309.30 Trace to fine grained disseminated															
		pyrite, up to 0.5%.															
		309.30 310.30 Trace to 1% fine grained pyrite															
		associated with rodenbergite															
		alteration.															
		310.30 311.30 1-2% fine grained pyrite and															
		pyrrhotite.															
		311.30 312.30 Trace to 1% fine grained pyrite															
		associated with rodenbergite															
		alteration.															
		312.30 313.30 1% very fine grained pyrite.															
		313.30 314.30 Up to 1% fine grained pyrite															
		disseminated through matrix and as															
		small 1-2mm blebs.															
		314.30 315.30 Trace to 0.5% fine grained pyrite															
		often associated with rodenbergite															
		alteration.															
		315.30 316.00 Trace to 0.5% fine grained pyrite															
		often associated with rodenbergite															
		alteration.															
316.00	319.30	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black to greenish black, fine to medium grained,	146130	316.00	316.70	.70	<5	5	11	<.2	66	363	42	16	42		
		graphitic peridotite, hard to moderate hardness,	146131	316.70	317.70	1.00	<5	<5	<5	<.2	87	734	19	17	55		
		non-magnetic, with short intercalating highly	146132	317.70	318.70	1.00	<5	<5	<5	<.2	83	845	11	16	52		
		graphitic sections.	146133	318.70	319.30	.60	<5	<5	<5	<.2	80	814	17	23	54		
		Moderate serpentine alteration and moderate to															
		strong talc alteration and graphite alteration.															
		Decent RQD of 70%.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Fracturing abundant at 65 degrees to core axis with silvery fracture surfaces. Pale green to white serpentine stringers at 70-80 degrees to core axis. Fine grained up to 1% disseminated pyrite and up to 1% hair-like pyrite filled stringers. 316.00 316.70 Black, fine grained, graphitic section with silvery fractures. Unit appears to be sheared and more heavily serpentine veined with wispy hair-like pyrite filled veins 1m above contact and at 40-45 degrees to core axis. Irregular/sharp contact into fault zone marked by shearing and clay fault gouge. 316.00 316.70 Up to 1% fine grained pyrite in black graphite. 316.70 317.70 Trace to 0.5% fine grained pyrite with up to 1% hair-like pyrite stringers. 317.70 318.70 Trace to 0.5% fine grained pyrite with up to 1% hair-like pyrite stringers. 318.70 319.30 Trace to 0.5% fine grained pyrite with up to 1% hair-like pyrite stringers.														
319.30	336.00	FAULT ZONE															
		Dark grey, fine grained graphitic peridotite, hard to medium hardness (with soft fault gouges), weakly to non-magnetic, fractured, sheared and faulted. Pervasive talc alteration, moderate graphitic alteration and serpentine alteration, moderate carbonate alteration in fault gouged areas and weak intermittent red-orange rodenbergite alteration. 10+% Fracturing abundant at 70 degrees to core axis. Pale serpentine and lesser calcite veins with rodenbergite alteration selectively filling few veins at 65 to 85 degrees to core axis. Up to 1% pyrite and pyrrhotite filling rodenbergite altered and serpentine veinlets and finely disseminated through matrix. General shearing oriented at 65 degrees to core axis 319.30 Unit begins with 30cm long section of broken/crushed grey clay fault gouge. 325.30 325.70 40cm long crushed/broken core with RQD of 10%. 328.70 329.40 Black, fine grained, graphitic section 332.00 25cm long grey clay fault gouge. Sharp lower contact at 60 degrees to core axis. 319.30 320.30 ~1% fine grained pyrite in rodenbergite altered veinlet and	146134	319.30	320.30	1.00	5	<5	<5	.6	88	793	23	32	57		
			146135	320.30	321.30	1.00	8	5	<5	<.2	82	785	17	19	58		
			146136	321.30	322.30	1.00	5	<5	<5	<.2	83	748	15	21	53		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		disseminated.															
		320.30 321.30 ~1% fine grained pyrite in rodenbergite altered veinlet and disseminated.															
		321.30 322.30 Trace to finely disseminated pyrite, up to 0.5%.															
336.00	350.00	DIABASE															
		Grey-green diabase dike, fine grained grading into medium grained, very hard, moderately magnetic, porphyritic plagioclase phenocrysts.															
		Weak pale green to buff serpentine alteration.															
		Good RQD of 80%.															
		Weak fracturing at 65 degrees to core axis with few calcite filled fractures.															
		Weak calcite and serpentine veins generally at 65 degrees to core axis.															
		Up to 1% fine grained yellow pyrite splashes throughout matrix.															
		1-3% White to pale/pistachio green serpentine altered anhedral 1-2cm porphyritic amygdules.															
350.00		END OF HOLE															

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Northing: 5349250.00
Easting: 499010.00
Elevation: 284.15

Collar Azi.: 360.0
Collar Dip: -68.0

Hole length: 361.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: J. Craig
Date(s) logged: April 14-16, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
43	5.7	-65.1
94	5.0	-65.8
145	4.1	-66.0
196	6.0	-66.4
247	7.5	-66.2
298	10.3	-66.0
349	14.1	-65.9
361	13.3	-65.9

Drill Hole: GCL-10-04

Project: W2 Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349250
GPS Easting: 499010
Date Started: March 31, 2010
Date completed: April 10, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146137-181
Lab report: 26721

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
.00	35.00	OVERBURDEN 35m Of casing.															
35.00	36.40	MASSIVE BASALT Fine grained, dark grey, very hard, moderately magnetic, massive, homogeneous basalt. Weak serpentine alteration. Good RQD of 85%. Weak fracturing at 60 degrees to core axis. Few thin hair-like calcite stringers at 60-70 degrees to core axis. ~0.5% pyrrhotite and up to 0.5% pyrite filling in very thin calcite stringers. Lower contact in 10cm broken core section.															
36.40	60.70	KOMATIITIC PERID0TITE ADCUMULATE Fine grained, dark-grey to black, hard, moderately magnetic, massive, homogeneous, adcumulate peridotite (~75-80% olivine). Moderate serpentine alteration, patchy carbonate alteration and weak talc alteration (on fractures). Decent RQD of 65%. Abundant fracturing at 55-60, and 70 degrees to core axis with white calcite often filling fractures 2-10% Calcite+/- pale green serpentine stringers at															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		55-75 degrees to core axis and crosscutting at 5-10 degrees to core axis. Sulphides seen in trace mostly but also as blebs/disseminations in calcite+/- serpentine veins at up to 0.5-1% pyrrhotite and pyrite. Gradational/irregular lower contact marked by composition/colour change.															
60.70	70.00	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey, fine grained mesocumlate peridotite (~70% olivine), hard, non-magnetic, massive, homogeneous. Weak carbonate alteration and serpentinization. Good RQD of 80%. Moderate to weak fracturing at 45-50 degrees to core axis. Calcite stringers at 50 -70 degrees to core axis. Very fine grained disseminated pyrrhotite and pyrite, ~<0.5% with few small pyrite blebs 1-2mm in size (~<0.5%), a very small bleb of chalcopyrite up to 0.5% was also seen. 66.00 Pseudo-brecciation into much harder lighter grey-green mesocumulate, could possibly be basalt but looks to be just brecciated/serpentine altered. Gradational contact.															
70.00	96.80	KOMATIITIC PERID0TITE ADCUMULATE Fine grained, dark-grey to black, hard, non to weakly magnetic, massive, homogeneous, adcumulate peridotite (~75-85% olivine) with intermittent black serpentine amygdules. Strong/moderate serpentine alteration, weak carbonate alteration. Decent RQD of 65%-75%. Fracturing abundant at 55-60 degrees to core axis with calcite+/-serpentine filling fractures. 2-6% Calcite and pale green to pistachio serpentine stringers at 50-60 degrees to core axis, cross-cutting at 70-90 degrees to core axis and at 10 degrees to core axis. A very fine grained intermittent dusting of pyrite and pyrrhotite, ~0.5%. Core is sheared at 30-40 degrees to core axis for 1m around 80m in depth. 71.20 71.85 Intensely serpentine altered section with abundant (20%) pale-green serpentine stringers in every direction. 73.60 74.30 Small irregular/randomly oriented spinifex textured olivine blades with faint/gradational contacts.	146137	76.50	77.50	1.00	8	13	9	.4	105	950	45	25	70		
			146138	77.50	78.50	1.00	12	9	8	<.2	110	1148	45	28	81		
			146139	78.50	79.50	1.00	6	14	10	<.2	103	769	37	25	69		
			146140	79.50	80.50	1.00	6	12	9	<.2	123	1155	37	27	80		
			146141	80.50	81.50	1.00	12	12	8	<.2	112	1063	39	26	79		
			146142	81.50	82.50	1.00	13	7	<5	<.2	96	517	27	27	55		
			146143	82.50	83.50	1.00	12	12	9	<.2	115	975	36	25	77		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		81.50 30cm core loss.															
		83.80 84.50 Random spinifex to chicken scratch textured spinifex with up to 1cm long olivine blades that dissipate out at lower contact.															
		84.80 20cm of pseudo brecciation with pistachio green serpentine filling fractures.															
		85.10 85.70 1-1.5cm olivine blades oriented as random and chicken scratch spinifex texture.															
		86.50 86.70 3-6cm long olivine blades, platy spinifex texture.															
		87.30 88.10 2-4cm long olivine blades, platy spinifex texture.															
		89.80 89.90 ~1cm olivine blades, random spinifex texture.															
		90.80 20cm broken/grinded core, 10cm core loss															
		94.20 40cm of broken core, 20 cm core loss.															
		Lower contact in broken core.															
		76.50 77.50 Trace pyrite.															
		77.50 78.50 Very fine grained dusting of pyrite and pyrrhotite, up to 0.5%.															
		78.50 79.50 Very fine grained dusting of pyrite and pyrrhotite, up to 0.5%.															
		79.50 80.50 Very fine grained dusting of pyrite and pyrrhotite, up to 0.5%.															
		80.50 81.50 Very fine grained dusting of pyrite and pyrrhotite, up to 0.5%.															
		81.50 82.50 Very fine grained dusting of pyrite and pyrrhotite, up to 0.5%.															
		82.50 83.50 Trace pyrite.															
96.80	99.80	KOMATIITIC SPINIFEX PERIDOTITE Medium grey, random, chicken scratch to platy olivine blades in spinifex textured peridotite, fine grained, hard, homogeneous, massive, moderately magnetic, adcumulate. Weak patchy talc alteration, moderate to strong serpentine alteration and weak to no carbonate alteration. Good RQD of 70-75%. Fracturing at 45 degrees to core axis with some calcite filling fractures. Calcite veining at 45 degrees to core axis and 5 degrees to core axis, serpentine veining. Finely disseminated trace pyrite. Olivine blades range in size from up to 1cm to 4cm where platy.															
99.80	135.40	KOMATIITIC PERID0TITE ADCUMULATE															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Fine grained, dark-grey to black, hard, non to weakly magnetic, massive, homogeneous, adcumulate peridotite (~75-85% olivine) with intermittent black serpentine amygdules. Pervasive serpentine alteration, weak carbonate alteration. Decent RQD of 60-65%. Fracturing at 60 degrees to core axis with calcite+/- serpentine filling fractures. Pistachio green serpentine stringers and calcite stringers at 40 degrees to core axis, 90 degrees to core axis, and 5-10 degrees to core axis with a few larger 2-4cm thick calcite+pale green serpentine veins at 45-50 degrees to core axis. Very finely disseminated pyrite, up to 0.5%.															
		106.40 106.65 Random spinifex texture, up to 1cm long olivine blades.															
		109.40 109.50 Random spinifex texture, up to 0.5cm long olivine blades.															
		112.50 113.25 Random and chicken scratch textured spinifex with ~1-1.5cm long olivine blades.															
		94.3 30cm Broken core section.															
		106.00 40cm broken core section.															
		110.30 50cm broken core section.															
		114.00 20cm broken core section.															
		118.40 60cm broken core section.															
		122.00 60cm broken core section.															
		119.00 120.40 Random and chicken scratch textured spinifex with ~1-1.5cm long olivine blades.															
		125.70 126.10 Random and chicken scratch textured spinifex with ~1cm long olivine blades															
		126.60 30cm broken core section.															
		134.00 60cm broken core section.															
		Sharp lower contact in fracture filling calcite shear at 50 degrees to core axis.															
135.40	137.10	DIABASE															
		Grey-green matachewan diabase dyke, fine grained, very hard, weakly magnetic, porphyritic plagioclase phenocrysts. Weak pale green to buff serpentine alteration, non-carbonaceous. Good RQD of 75%. Weak fracturing at 60 degrees to core axis. Few calcite stringers at 50-60 degrees to core axis. Trace to up to 0.5% pyrite, very finely disseminated 1-3% White to pale green anhedral 1-2cm porphyritic plagioclase phenocrysts. Sharp lower contact at 60 degrees to core axis with															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		a fine grained thin chill margin.															
137.10	146.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to grey-green, fine grained mesocumlate peridotite, hard, weakly to moderately magnetic, massive, homogeneous. Good RQD of 75%. Fracturing moderate, at 45-60 degrees to core axis with minor calcite fracture filling. 1% Calcite stringers at 50 degrees to core axis and 5 degrees to core axis. A fine grained finely disseminated dusting of pyrite, up to 0.5% with up to 0.5-1% fine grained pyrite as blebs in few calcite veins. Lower contact in broken core.															
146.50	147.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium grey, random, chicken scratch to platy olivine blades in spinifex textured peridotite, fine grained, hard, homogeneous, massive, moderately magnetic, mesocumulate. Moderate serpentine alteration and weak carbonate alteration. RQD of 75-80%. Fracturing generally at 50 degrees to core axis. Few calcite veins at 50-60 degrees to core axis. Finely disseminated trace pyrite. Lower contact in broken core.															
147.90	178.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fine grained, dark grey with medium grey spinifex textured sections, hard, weakly magnetic, massive, homogeneous, mesocumulate peridotite. Pervasive serpentine alteration, patchy talc alteration and moderate carbonate alteration where spinifex texture is developed. Decent RQD of 60%. Frequent fracturing at 45-65 degrees to core axis with minor calcite+serpentine filling fractures. 1-5% Calcite stringers generally at 45-60 degrees to core axis but as high as 80 degrees to core axis, few pale green serpentine stringers. A fine grained finely disseminated dusting of pyrite, up to 0.5% with up to 0.5% fine grained pyrite filling in few calcite veins.															
		150.30 151.20 Random and chicken scratch textured spinifex with ~1cm long olivine blades															
		157.90 158.20 Faint random textured spinifex with up to 0.5cm olivine blades.															
		162.00 162.20 Chicken scratch and platy spinifex texture with up to 2-3cm long olivine															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		blades).															
		173.50 174.80 Pseudo-brecciation with black serpentine filling fractures/brecciations.															
		175.30 175.80 Random and chicken scratch textured spinifex with ~1cm long olivine blades															
		152.00 70m of broken core.															
		166.50 40cm of broken core.															
		168.00 169.20 120cm of broken core, up to 40cm of core loss, RQD of 20%.															
		175.90 40cm of broken core.															
		176.90 1m of broken core.															
		Irregular/faint lower contact.															
178.40	180.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium grey, random to chicken scratch olivine blades in spinifex textured peridotite, fine grained, hard, homogeneous, massive, magnetic, mesocumulate.															
		Moderate serpentine alteration, patchy talc alteration, weak to moderate carbonate alteration.															
		Decent RQD of 65-70%.															
		Frequent fracturing at 60 degrees to core axis with some calcite and fine grained pyrite filling fractures.															
		1% Calcite stringers at 80 degrees to core axis, 60 degrees to core axis, and.															
		Finely disseminated pyrite, up to 0.5% and fine grained pyrite filling in and with calcite stringers, up to 0.5% and along fracture surfaces, 0.5-1%.															
		Gradational/faint lower contact with spinifex dissipating out.															
180.30	239.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, weakly to moderately magnetic (patchy), massive, homogeneous, adcumulate peridotite.															
		Moderate to strong serpentine alteration, weak carbonate alteration.															
		Poorly RQD, ~30%.															
		Abundant fracturing in many directions, 60-80 degrees to core axis with minor calcite+serpentine filling fractures.															
		Calcite+serpentine, calcite, and pistachio green serpentine stringers.															
		Finely disseminated pyrite, up to 0.5% and fine grained pyrite filling in and with calcite+serpentine stringers, up to 0.5-1% and along fracture surfaces, 0.5-1%.															
		A few strongly serpentine altered sections that are															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		pistachio green with black serpentine.															
		184.00 4cm thick pistachio green serpentine+white calcite veining at 50 degrees to core axis with ~1% pyrite in vein.															
		190.30 191.00 Chicken scratch, random and few platy textured spinifex with up to 4cm long olivine blades.															
		184.90 187.40 Crushed core, RQD up to 10%, 1-1.1m core loss.															
		188.10 188.80 Crushed/broken core, RQD up to 15%, 30-40cm core loss.															
		189.20 189.50 Crushed/broken core, RQD up to 15%.															
		190.90 192.70 Crushed/broken core, RQD up to 25%.															
		193.10 30cm crushed/broken core.															
		198.90 25cm crushed/broken core.															
		200.70 40cm crushed/broken core.															
		208.10 RQD improves to 85%.															
		220.10 220.70 Platy and chicken scratch spinifex texture with olivine blades up to 3cm long.															
		Gradational lower contact over 10-20cm.															
239.30	255.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fine grained, dark grey to grey-green, hard, weakly to non-magnetic, massive, homogeneous, mesocumulate peridotite.															
		Pervasive weak/moderate in places, with several sections of moderate-strong carbonate alteration.															
		Good RQD of 85-90%.															
		Fracturing at 60-70 degrees to core axis.															
		1% Calcite stringers at 0-10 degrees to core axis, and 50-70 degrees to core axis.															
		Finely disseminated pyrite, up to 0.5%.															
		Small black serpentine amygdules appear intermittently.															
		251.30 253.00 Random spinifex texture, ~0.5cm long olivine blades.															
		253.00 Leucoxene appears in matrix, 1-3%.															
		255.00 40cm long fault zone, with grey clay fault gouge, fractured mainly at 60-70 degrees to core axis.															
		Sharp lower contact at 60 degrees to core axis.															
255.40	260.00	MASSIVE BASALT															
		Fine grained, dark grey, very hard, non-magnetic, massive, homogeneous basalt with leucoxene disseminations.	146144	258.00	259.00	1.00	5	<5	<5	.2	157	65	50	14	34		
			146145	259.00	260.00	1.00	11	<5	<5	<.2	194	60	61	14	33		
		Weak grey-green serpentine alteration and weak carbonate alteration.															
		Good RQD of 90%.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Weak fracturing at 70 degrees to core axis with minor calcite fracture filling. Few calcite stringers at 70-80 degrees to core axis. Very finely disseminated trace pyrite, a few small blebs of chalcopyrite, up to 0.5%. 1-5% White-buff leucoxene disseminations, up to 1mm in size. Irregular lower contact, maybe at 80 degrees to core axis. 258.00 259.00 Trace pyrite. 259.00 260.00 Finely disseminated pyrite, up to 0.5%															
260.00	262.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fine grained, dark grey, grey-green, grey-brown, hard, weakly to non-magnetic, massive, homogeneous, mesocumulate peridotite with leucoxene disseminations. Pervasive serpentine alteration, very weak carbonate alteration, weak/patchy talc alteration, weakly siliceous, weak rodenbergite alteration (giving matrix a brownish colour). Good RQD of 85-90%. Weak fracturing at 60-70 degrees to core axis with minor calcite filling fractures. Few calcite stringers at 60-70 degrees to core axis. ~1-1.5% very fine grained pyrite throughout matrix and filling in thin calcite stringers. Blank. Sharp lower contact at 60 degrees to core axis. 260.00 261.00 Very fine grained pyrite ~1%, with possible pyrrhotite. 261.00 261.70 Very fine grained pyrite ~1%, with possible pyrrhotite. 261.70 262.50 Very fine grained pyrite ~1%, with possible pyrrhotite.	146146	260.00	261.00	1.00	16	10	5	.2	102	1017	63	19	68		
			146147	261.00	261.70	.70	7	14	7	<.2	109	1156	58	18	74		
			146148	261.70	262.50	.80	5	11	8	<.2	126	915	78	22	82		
262.50	263.80	Graphitic Argillite															
		Fine grained, black, homogeneous, non-magnetic, medium hardness, silvery fracture surfaces. Graphite alteration, weak serpentine alteration. Good RQD of 75%. Moderate fracturing at 60-70 degrees to core axis. 1-3% Calcite stringers at 60-70 degrees to core axis, following the generally bedding of the graphite. Fine grained disseminated and somewhat blebby pyrite, up to 1%. 262.50 263.10 Up to 1% fine grained disseminated and blebby pyrite. 263.10 Standard ni 112. 263.10 263.80 Up to 1% fine grained disseminated	146149	262.50	263.10	.60	11	11	8	<.2	119	640	84	23	68		
			146150	263.10	263.10	.00	22	206	93	.7	2964	5825	59	33	305		
			146151	263.10	263.80	.70	13	7	11	<.2	122	972	93	22	79		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		and blebby pyrite.															
263.80	268.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium grey to black, random, chicken scratch to platy olivine blades in spinifex textured peridotite, fine grained, hard, homogeneous, massive, non-magnetic, in graphitic komattite. Graphitic alteration, weak pervasive serpentine alteration. Good RQD of 90%. Weak fracturing at 60 degrees to core axis. Very little veining, a thin hair-like serpentine stringer at 50 degrees to core axis. Finely disseminated pyrite, up to 1%. Spinifex starts in graphitic unit, and becomes less graphitic at 265m. Unit starts with random spinifex texture but at 265.2m platy texture begins with olivine blades up to 4-5cm long. Lower contact is gradational as spinifex is random and dwindles out. 263.80 264.80 Up to 1% fine grained disseminated pyrite. 264.80 265.80 Up to 1% fine grained disseminated pyrite. 265.80 266.80 Up to 1% fine grained disseminated pyrite. 266.80 267.40 Very fine grained pyrite ~1%. 267.40 268.10 Very fine grained pyrite ~1%.	146152	263.80	264.80	1.00	9	9	9	<.2	103	820	75	22	69		
			146153	264.80	265.80	1.00	<5	8	9	<.2	109	728	70	27	69		
			146154	265.80	266.80	1.00	5	9	9	<.2	113	741	51	22	74		
			146155	266.80	267.40	.60	44	8	9	<.2	127	1163	40	20	76		
			146156	267.40	268.10	.70	6	8	8	.3	128	1138	38	20	78		
268.10	280.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fine grained, dark grey, grey-green, grey-brown, hard, weakly to non-magnetic, massive, homogeneous, mesocumulate peridotite. Weak to strong (patchy intensity) rodenbergite alteration, weak/moderate serpentine alteration with green-grey altered sections, weak carbonate alteration, patchy talc alteration. Good RQD of 90%. Weak fracturing at 60-70 degrees to core axis with very minor calcite filling fractures. 1-5% Calcite stringers at 45-60 degrees to core axis, 0-10 degrees to core axis, and 70 degrees to core axis, often rodenbergite altered to a red-orange colour. Up to 1% dusting of pyrite, very very fine grained, possible pyrrhotite. Red rodenbergite alteration pervasive throughout unit but more intense at 269m with 'rustys red-orange alteration of calcite veins. Patchy small black serpentine amygdules, larger up	146157	268.10	269.10	1.00	7	<5	6	<.2	98	1133	25	16	74		
			146158	269.10	270.10	1.00	6	7	7	<.2	97	1083	21	18	69		
			146159	270.10	271.10	1.00	7	5	6	<.2	94	1297	27	22	77		
			146160	271.10	272.10	1.00	20	7	6	<.2	96	1225	32	25	81		
			146161	272.10	273.10	1.00	48	11	6	<.2	97	1189	28	23	79		
			146162	273.10	274.10	1.00	6	7	7	<.2	70	602	20	11	45		
			146163	274.10	275.10	1.00	42	7	8	<.2	162	1294	37	20	83		
			146164	275.10	276.10	1.00	6	9	7	<.2	179	1083	48	19	72		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		to 6mm in size near contact with spinifex.															
		Faint/irregular lower contact with few olivine blades appearing.															
		268.10 269.10 Very fine grained pyrite ~1%, with possible pyrrhotite.															
		269.10 270.10 Very fine grained pyrite ~1%, with possible pyrrhotite.															
		270.10 271.10 Very fine grained pyrite ~1%, with possible pyrrhotite.															
		271.10 272.10 Very fine grained pyrite ~1%, with possible pyrrhotite.															
		272.10 273.10 Up to 1% fine grained disseminated pyrite.															
		273.10 274.10 Up to 1% fine grained disseminated pyrite.															
		274.10 275.10 Up to 0.5% fine grained disseminated pyrite.															
		275.10 276.10 Trace pyrite.															
280.20	282.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Medium grey to grey-green, random to chicken scratch olivine blades in spinifex textured peridotite, fine grained, hard, homogeneous, massive															
		Moderate greenish serpentine alteration, pervasive and moderate to strong carbonate alteration.															
		RQD of 90-95%.															
		Weak fracturing at 60 degrees to core axis.															
		Few calcite stringers at 10 degrees to core axis and 60-70 degrees to core axis.															
		Trace pyrite.															
		Unit begins with random and chicken scratch spinifex texture with small ~1cm long olivine blades, blades are longer (up to ~2cm long) and somewhat platy near end of unit.															
		Blank.															
282.20	324.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, weakly to moderately magnetic (patchy), massive, homogeneous, adcumulate peridotite. Moderate to weak pervasive serpentine alteration with small black serpentine amygdules in matrix, patchy weak-moderate talc alteration below the upper spinifex unit until ~286m, weak reddish rodenbergite alteration in places. Good RQD of 75-80%. Moderate fracturing at 60-70 degrees to core axis. ~5% calcite+/-serpentine veining at 50-70 degrees to core axis and 30-45 degrees to core axis, 1% pistachio green to pale green serpentine stringers at 45-60 degrees to core axis.	146165	289.40	290.40	1.00	14	8	11	<.2	142	949	33	27	82		
			146166	290.40	291.40	1.00	6	23	43	.2	201	2061	24	25	89		
			146167	291.40	292.40	1.00	9	39	121	.3	355	2299	27	26	99		
			146168	292.40	293.40	1.00	8	9	11	.2	178	1217	22	26	71		
			146169	293.40	294.40	1.00	8	6	5	.2	80	1378	27	21	80		
			146170	294.40	294.40	.00	<5	<5	<5	<.2	19	15	5	<2	5		
			146171	294.40	295.40	1.00	6	9	11	<.2	81	950	28	22	65		
			146172	295.40	296.40	1.00	17	10	11	<.2	133	375	45	21	59		
			146173	296.40	297.40	1.00	7	6	8	.2	125	606	34	20	60		
			146174	297.40	298.40	1.00	7	<5	5	<.2	113	737	32	20	65		
			146175	298.40	299.40	1.00	5	<5	<5	<.2	124	792	40	25	68		
			146176	299.40	300.40	1.00	19	12	40	.2	181	1931	41	27	101		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Up to up to 1% dusting of pyrite, very very fine grained, in matrix and filling in thin calcite stringers, possible pyrrhotite.															
		284.80 2-3cm wide white quartz-carbonate vein at 60 degrees to core axis with a bronzy bleb of pyrrhotite, (0.5%).															
		290.40 Weak reddish-orange rodenbergite alteration developed.															
		317.00 Unit is more intensely talc altered with some minor reddish rodenbergite alteration (trace sulphides).															
		Sharp lower contact at 70 degrees to core axis.															
		289.40 290.40 Trace pyrite.															
		290.40 291.40 Very fine grained pyrite ~1%, with possible pyrrhotite.															
		291.40 292.40 Very fine grained pyrite ~1%, with 0.5% pyrrhotite.															
		292.40 293.40 ~0.5% fine grained disseminated pyrite															
		293.40 294.40 ~0.5% fine grained disseminated pyrite															
		294.40 Blank.															
		294.40 295.40 Very fine grained pyrite ~1%, with possible pyrrhotite.															
		295.40 296.40 ~0.5% fine grained disseminated pyrite															
		296.40 297.40 Up to 0.5% fine grained disseminated pyrite.															
		297.40 298.40 Very fine grained pyrite ~1%.															
		298.40 299.40 Up to 1% fine grained disseminated pyrite.															
		299.40 300.40 Trace pyrite.															
324.30	325.90	FAULT ZONE															
		Fine grained, light grey to dark grey peridotite, soft, crumbly, clayey with thick clay fault gouge.															
		Serpentine and talc alteration.															
		Poorly RQD of up to 40%.															
		324.30 325.90 Section of grey clay fault gouge.															
		Sharp lower contact out of short fault gouge section at 70 degrees to core axis.															
325.90	337.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, weakly to moderately magnetic (patchy), massive, homogeneous, adcumulate peridotite.															
		Pervasive serpentine alteration and more intense talc alteration for about 2m after the upper contact with fault, moderate carbonate alteration, graphitic alteration.															
		Good RQD of 75-80%.															
		Weak fracturing at 60-70 degrees to core axis.															
		Calcite stringers at 50-60 and 10 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Fine grained disseminated pyrite throughout (<0.5%) and coarser cubic pyrite along fracture surfaces.															
		331.00 333.80 Fine grained, black, graphitic altered subunit (Komattitic Peridotite Graphitic e graphitic").															
		Sharp lower contact at 60 degrees to core axis with intense pistachio green serpentine alteration 30cm above contact.															
337.50	354.40	DIABASE															
		Grey-green matachewan diabase dike, fine grained grading into medium grained, very hard, patchy weak magnetism, porphyritic plagioclase phenocrysts.															
		Weak pale green to buff serpentine alteration.															
		Good RQD of 75-80% with minor broken sections (due to drilling).															
		Very weak fracturing.															
		Few thin hair-like black serpentine stringers at 45 degrees to core axis.															
		Fine grained disseminated pyrite with 1mm pyrite blebs/splashes, up to 0.5%.															
		1-3% White to pale/pistachio green serpentine altered anhedral 1-2cm porphyritic phenocrysts.															
		Sharp lower contact at 70 degrees to core axis with a baked fine grained chill margin for 20-30cm.															
354.40	358.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey, hard, non-magnetic,	146177	354.40	355.40	1.00	11	11	9	<.2	130	556	41	23	58		
		massive, homogeneous, adcumulate peridotite with	146178	355.40	356.40	1.00	10	8	6	<.2	107	484	31	15	49		
		frequent calcite veining and talc alteration.	146179	356.40	357.40	1.00	5	10	6	.2	129	630	22	14	51		
		Moderate serpentine alteration, moderate to strong	146180	357.40	358.40	1.00	8	9	6	<.2	155	702	32	16	59		
		talc alteration, moderate carbonate alteration,															
		weak/patchy reddish rodenbergite alteration and															
		possibly weak graphitic alteration.															
		Good RQD of 85-90%.															
		Fracturing at 60 degrees to core axis with minor															
		calcite filling fractures.															
		5-10% White calcite stringers at 45-60, few reddish															
		orange rodenbergite altered stringers.															
		Very fine grained disseminated pyrite, and															
		pyrrhotite (<0.5-1%) where reddish rodenbergite															
		alteration is present.															
		354.40 355.40 Trace pyrite.															
		355.40 356.40 0.5-1% fine grained pyrite, possible pyrrhotite.															
		356.40 357.40 0.5-1% fine grained pyrite, possible pyrrhotite.															
		357.40 358.40 Up to 0.5% fine grained pyrite.															
358.40	361.00	INTERMEDIATE DYKE															
		Fine grained, medium grey, very hard, non-magnetic,	146181	358.40	359.40	1.00	5	<5	<5	<.2	86	153	35	20	24		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		massive, 1-3% white phenocrysts, homogeneous, intermediate porphyry. Weak serpentine alteration and moderate milky-buff epidote alteration. Good RQD of 95%. Weak to no fracturing. A couple 1cm wide milky-buff epidote veins at 50 degrees to core axis. 15cm Buff coloured section with small 1-2mm black serpentine amygdules. Finely disseminated pyrite, up to 0.5-1%. 358.40 359.40 Trace to up to 0.5% pyrite.															
361.00		END OF HOLE															

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Northing: 5349340.00
Easting: 499000.00
Elevation: 280.00

Collar Azi.: 354.0
Collar Dip: -59.3

Hole length: 275.00
Units: Metric
Core size: NQ
Grid: N/A

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: G. Sparling
Date(s) logged: April 19-22, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
32	357.2	-58.9
83	359.0	-58.5
134	359.5	-58.4
185	1.1	-58.7
236	1.3	-59.0
275	3.4	-58.8

Drill Hole: GCL10-05

Project: Langmuir Zone
Property: Langmuir
Claim: 4202748
Northing: N/A
Easting: N/A
GPS Northing: 5349340
GPS Easting: 499000
Date Started: April 11, 2010
Date completed: April 16, 2010
Drilled by: Bradley Brothers
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 136376-432
Lab report: 26722

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	22.00	OVERBURDEN 22m Of nw casing.															
22.00	52.50	KOMATIITIC PERIDOTITE MESOCUMULATE Grey-green, fine grained, massive, homogeneous, moderately hard-hard locally, local very weak magnetism. Weak whitish-grey carbonate and greenish-grey serpentine alteration. Good RQD of 80-85% with sections of weakly to moderately fractured/ broken core, 0.5-2m in length. Weak with local moderate fracturing between 40-60 degrees to core axis +/- serpentine-calcite fracture filling. 1-2% White-green irregular calcite-serpentine stringers. Rare specks of pyrite along stringers/fractures. 22.00 26.00 60% RQD, moderate broken core. 26.00 35.00 Dark green, very fine grained section with 10% carbonate patches. 49.50 50.00 Brecciated section, possible remnant spinifex (?), moderate cm sized brecciation healed with and over printed by carbonate alteration. Gradual lower contact.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
52.50	75.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black grey, very fine to fine grained, borderline adcumulate/ mesocumulate, hard, non magnetic, massive, homogeneous. Weak serpentine alteration with minor serpentine-carbonate alteration locally. Good RQD of 85-90% with localized minor sections of broken core. Minor fracturing at 40-60 degrees to core axis with thin serpentine-carbonate fracture filling. 1-2% White-green calcite-serpentine stringers at 25 and 60 degrees to core axis. Rare specks of pyrite along stringers/fractures. 71.40 75.50 Moderate serpentine-carbonate alteration. Gradual lower contact.														
75.50	86.30	KOMATIITIC PERIDOTITE BRECCIA															
		Green-black, hard to very hard, moderate-strong brecciation (cm sized), non magnetic. Weakly serpentine altered. Good RQD of 80% with a few local sections of broken core. Moderate-strong tectonic brecciation, serpentine-carbonate healed. Possible spinifex (?). A few post breccia white calcite stringers. Rare specks of pyrite along stringers/fractures. 78.80 80.70 Broken core, 60% rqd. Gradual lower contact.														
86.30	103.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, adcumulate-mesocumulate. Pervasive serpentine alteration. Good RQD of 90% with minor 50-70 degrees to core axis fracturing +/- thin calcite-serpentine filling. 2-3% White-grey calcite-serpentine stringers at 30 and 60 degrees to core axis. Trace-0.5%, maybe 1% finely disseminated pyrrhotite mineralization. Gradual lower contact. 87.00 88.00 Rare pyrrhotite. 88.00 89.00 Rare pyrrhotite. 89.00 90.00 Trace pyrrhotite. 90.00 91.00 Trace pyrrhotite. 91.00 92.00 Trace-0.5% pyrrhotite. 92.00 93.00 0.5-1% pyrrhotite. 93.00 94.00 0.5% pyrrhotite. 94.00 95.00 0.5% pyrrhotite.	136376	87.00	88.00	1.00	9	8	6	.2	182	996	25	26	71		
			136377	88.00	89.00	1.00	<5	7	5	1.2	109	936	25	27	70		
			136378	89.00	90.00	1.00	5	5	<5	.5	80	1263	31	32	86		
			136379	90.00	91.00	1.00	<5	5	<5	.6	84	1280	32	31	84		
			136380	91.00	92.00	1.00	10	7	<5	.8	82	1351	32	32	92		
			136381	92.00	93.00	1.00	10	6	5	.3	102	1187	30	31	86		
			136382	93.00	94.00	1.00	15	14	7	.4	91	1264	30	30	92		
			136383	94.00	95.00	1.00	57	6	<5	.4	89	1267	32	32	86		
			136384	95.00	96.00	1.00	7	9	<5	.3	85	1322	31	31	91		
			136385	96.00	97.00	1.00	39	7	5	.4	89	1260	30	31	87		
			136386	97.00	98.00	1.00	32	10	<5	.3	110	1189	31	32	83		
			136387	98.00	98.00	.00	<5	<5	<5	<.2	18	12	11	<2	5		
			136388	98.00	99.00	1.00	26	7	<5	.3	106	1204	31	33	89		
			136389	99.00	100.00	1.00	8	9	<5	.3	98	1196	28	31	88		
			136390	100.00	100.90	.90	5	<5	<5	.5	84	1174	26	27	84		
			136391	100.90	101.80	.90	7	9	5	.3	94	1196	30	28	85		
			136392	101.80	102.70	.90	<5	11	5	.7	108	1209	38	29	86		
			136393	102.70	103.60	.90	8	9	6	.3	129	1055	36	26	70		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		95.00 96.00 0.5% pyrrhotite.															
		96.00 97.00 0.5% pyrrhotite.															
		97.00 98.00 0.5% pyrrhotite.															
		98.00 Blank.															
		98.00 99.00 0.5% pyrrhotite.															
		99.00 100.00 0.5-1% pyrrhotite.															
		100.00 100.90 0.5-1% pyrrhotite.															
		100.90 101.80 1% pyrrhotite.															
		101.80 102.70 0.5-1% pyrrhotite.															
		102.70 103.60 0.5% pyrrhotite.															
103.60	107.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey-green, fine grained, massive, homogeneous,	136394	103.60	104.00	.40	8	10	7	<.2	135	769	39	24	63		
		moderately hard, non magnetic.	136395	104.00	104.80	.80	19	10	7	<.2	111	717	42	20	63		
		Pervasive serpentine-carbonate alteration.	136396	104.80	105.70	.90	10	7	7	<.2	119	718	51	22	66		
		Good RQD of 85% with minor fracturing at 30-50 +/-	136397	105.70	106.50	.80	7	13	7	<.2	69	724	59	21	69		
		thin green serpentine fracture filling.	136398	106.50	107.30	.80	19	12	8	.2	62	699	79	24	71		
		Trace pyrite smear on fractures with trace															
		pyrrhotite and pyrite disseminations.															
		103.60 104.00 3-4% disseminated pyrrhotite															
		mineralization.															
		Lower contact at roughly 40 degrees to core axis.															
		103.60 104.00 2-4% pyrrhotite.															
		104.00 104.80 Trace pyrrhotite smears on fractures.															
		104.80 105.70 Trace pyrrhotite smears on fractures.															
		105.70 106.50 Trace pyrrhotite smears on fractures.															
		106.50 107.30 Trace pyrrhotite smears on fractures.															
107.30	117.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Green-grey-black, fine grained, poorly developed/	136399	107.30	107.60	.30	<5	10	7	.3	100	713	73	22	69		
		brecciated platy dark green olivine spinifex, non	136400	107.60	108.60	1.00	8	18	12	<.2	76	539	76	23	68		
		magnetic, moderately hard to hard.															
		60% Pale green serpentine-carbonate alteration with															
		darker grey-black weakly serpentine altered															
		sections. 5% local black graphite alteration.															
		Excellent RQD of 90% with minor fracturing at 30-60															
		degrees to core axis. Dominantly green serpentine															
		with minor white calcite and 2-3% grey-black															
		graphitic fractures.															
		Localized 30-40 degrees to core axis shearing.															
		20% Weak to moderate brecciation healed with dark															
		green serpentine.															
		1-2% White random calcite stringers. Occasional															
		brown-orange oxidation on fringes of stringers.															
		Trace-0.5% brown yellow pyrite smears on fractures															
		with rare specks of pyrrhotite.															
		Gradual lower contact.															
		107.30 107.60 Graphitic argillite, dark black-grey,															
		fine grained, non magnetic,															
		conductive, graphite altered, lower															
		contact at 40 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Gradual lower contact.															
		107.30 107.60 Trace pyrrhotite smears on fractures, graphitic section.															
		107.60 108.60 Trace pyrrhotite smears on fractures.															
117.60	120.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to light grey, fine grained, moderately hard, non magnetic, weakly bleached.															
		Moderately carbonate bleached (ankerite) with very weak serpentine alteration. 3-4% orange-brown carbonate/ oxidation along stringers/fractures.															
		Good RQD of 90% with minor fracturing filled with carbonate and serpentine.															
		1% White carbonate stringers at 20-30 degrees to core axis.															
		2% Irregular green to dark green serpentine stringers.															
		Trace-0.5% brown-yellow pyrite along stringers/ fractures.															
		Lower contact at 60 degrees to core axis.															
120.50	123.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black-green, fine grained, moderate hard, 4-5% dark green-black chicken scratch to platy olivine spinifex.															
		Weak to moderate serpentine alteration with patchy dark black graphite alteration.															
		Good RQD of 90% with minor fracturing filled with dark green serpentine and grey-black graphitic argillite fracture filling.															
		5% Graphitic argillite wedges.															
		Weakly brecciated throughout.															
		1-2% Dark green serpentine stringers with a few orange-brown carbonate/ oxidation halo's around stringers.															
		0.5-1% Yellow brown pyrite disseminations and stringers throughout.															
		Gradual lower contact.															
123.90	132.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to pale grey-green, fine grained, massive, homogeneous, moderately hard, weak local magnetism. Weak grey serpentine-carbonate alteration with a few local section of black graphite alteration. Good RQD of 90% with thin green serpentine and local grey-black graphite fracture filling. 1-2% Grey-white serpentine-calcite stringers. Trace-1% yellow-brown pyrite disseminations scattered throughout matrix with higher concentrations noted around stringers/ fractures. Rare to trace brassy brown pyrrhotite	136401	125.70	126.70	1.00	11	10	5	.4	86	1333	74	26	84		
			136402	126.70	127.70	1.00	8	10	6	.2	90	1357	84	23	86		
			136403	127.70	127.70	.00	31	112	115	.9	1952	18900	86	55	313		
			136404	127.70	128.70	1.00	5	14	6	.3	99	1240	113	24	85		
			136405	128.70	129.70	1.00	8	14	7	.4	100	1065	141	33	77		
			136406	129.70	130.70	1.00	9	11	6	<.2	114	990	161	26	62		
			136407	130.70	131.70	1.00	19	13	8	.2	147	880	211	37	67		
			136408	131.70	132.20	.50	38	18	8	.5	205	1062	856	41	83		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		disseminations.															
		131.70 132.20 Dark black, very hard, non conductive, graphite altered section with 2% finely disseminated pyrite.															
		Sharp lower contact at 30 degrees to core axis.															
		125.70 126.70 0.5% disseminated pyrite.															
		126.70 127.70 0.5% disseminated pyrite.															
		127.70 Standard ni 115.															
		127.70 128.70 0.5-1% disseminated pyrite.															
		128.70 129.70 0.5-1% disseminated pyrite.															
		129.70 130.70 0.5-1% disseminated pyrite.															
		130.70 131.70 0.5% disseminated pyrite.															
		131.70 132.20 0.5-1% disseminated pyrite, trace pyrrhotite.															
132.20	137.30	GRAPHITIC ARGILLITE															
		Dark black, very fine grained, hard, non magnetic, highly conductive, massive.	136409	132.20	133.20	1.00	30	13	6	.3	202	1009	2410	108	108		
		Strongly graphite and moderate calcite alterations throughout.	136410	133.20	134.20	1.00	169	14	8	.7	349	1096	5292	85	151		
		Decent RQD of 80-85% with a few very minor sections of broken core.	136411	134.20	135.20	1.00	72	7	<5	.8	391	616	873	82	152		
		Minor fracturing between 35-50 degrees to core axis with thin grey-black graphite filling.	136412	135.20	136.20	1.00	18	12	5	.8	209	979	665	52	126		
		2-4% Yellow-brown pyrite as fine disseminations, 1-3cm oval blebs and a few 5mm-1cm wide pyrite stringers.	136413	136.20	137.30	1.10	6	11	<5	.4	193	581	331	37	88		
		Gradual lower contact.															
		132.20 133.20 2-3% pyrite.															
		133.20 134.20 2-3% pyrite.															
		134.20 135.20 2-3% pyrite.															
		135.20 136.20 2% pyrite.															
		136.20 137.30 1-2% pyrite.															
137.30	183.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey-black, fine grained, massive, homogeneous, hard, very weak localized magnetism.	136414	137.30	138.00	.70	9	14	12	.3	214	718	125	32	67		
		Very weak patchy carbonate alteration with more dominant pale green serpentine alteration and 2-3m of black graphite alteration on upper contact.	136415	138.00	138.80	.80	<5	9	6	.4	192	712	88	35	76		
		Local brown iron carbonate oxidation along.	136416	138.80	139.70	.90	<5	14	9	.4	140	778	68	27	71		
		Good RQD of 85% with a few minor sections of broken core.	136417	139.70	140.60	.90	20	10	13	.4	126	695	51	24	72		
		Weak to moderate fracturing at 20-30 and 50-70 degrees to core axis with thin 1-4mm thick serpentine-carbonate fracture filling.	136418	140.60	141.50	.90	9	8	9	<.2	147	505	51	36	75		
		A few generation of calcite-serpentine and serpentine stringers, maybe 2-3% and oriented at random angles.	136419	141.50	141.50	.00	<5	<5	<5	<.2	11	18	4	<2	3		
		Trace-0.5% yellow brown pyrite associated with stringers/ fractures with up to 1% disseminated	136420	141.50	142.25	.75	5	13	9	.2	81	708	44	19	75		
			136421	142.25	143.00	.75	6	7	<5	.2	101	1044	50	23	84		
			136422	148.50	149.50	1.00	5	10	7	<.2	93	1373	35	22	84		
			136423	149.50	150.50	1.00	<5	<5	<5	<.2	91	1278	37	27	88		
			136424	150.50	151.50	1.00	6	<5	<5	<.2	96	1291	43	30	98		
			136425	151.50	152.50	1.00	8	7	5	.3	84	1380	42	32	98		
			136426	152.50	153.50	1.00	5	<5	<5	.2	93	1381	42	31	89		
			136427	153.50	154.50	1.00	14	5	<5	.2	90	1280	40	31	84		
			136428	154.50	155.50	1.00	<5	<5	<5	.2	98	1307	45	33	100		
			136429	164.00	165.00	1.00	<5	6	10	.2	77	1435	40	33	85		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		pyrite associated with graphitic section on upper	136430	165.00	166.00	1.00	8	7	6	.2	94	1508	45	35	90		
		contact.	136431	166.00	167.00	1.00	<5	<5	<5	<.2	73	1208	39	31	77		
		Trace-1% brassy brown pyrrhotite dissemination with	136432	167.00	168.00	1.00	7	5	<5	.2	91	1405	40	31	85		
		higher concentrations around pistachio green															
		serpentine alteration.															
		137.30 141.50 Dark black very hard, very fine to															
		fine grained, non magnetic, slightly															
		conductive, pervasive graphite															
		alteration, 1-2% disseminated pyrite.															
		141.50 143.00 Pale green-grey, serpentine altered															
		section, massive, no spinifex, rare															
		mineralization, mainly pyrite.															
		143.00 149.50 Pale grey bleached section with															
		patchy black serpentine altered															
		section, multiple iron carbonate															
		stained sections along stringers/															
		fractures, trace pyrite-pyrrhotite															
		smears on fractures.															
		149.50 Unit grades into more black colored															
		unit with patchy serpentine															
		alteration containing trace-0.5%															
		finely disseminated brassy pyrrhotite															
		mineralization.															
		165.00 167.00 Moderately broken core, 70-75% rqd.															
		170.00 183.10 Increased carbonate-serpentine															
		alteration to lower contact with															
		decreased pyrrhotite mineralization,															
		rare-trace.															
		Gradual lower contact.															
		137.30 138.00 1% maybe 2% disseminated pyrite.															
		138.00 138.80 1% maybe 2% disseminated pyrite.															
		138.80 139.70 0.5% pyrite, trace pyrrhotite smears															
		on fractures.															
		139.70 140.60 0.5% pyrite, trace pyrrhotite smears															
		on fractures.															
		140.60 141.50 Trace pyrite-pyrrhotite.															
		141.50 Blank.															
		141.50 142.25 Trace pyrite-pyrrhotite.															
		142.25 143.00 Trace pyrite-pyrrhotite.															
		148.50 149.50 Rare trace pyrrhotite.															
		149.50 150.50 0.5% disseminated pyrite associated															
		with green serpentine alteration.															
		150.50 151.50 0.5% disseminated pyrite associated															
		with green serpentine alteration.															
		151.50 152.50 0.5% disseminated pyrite associated															
		with green serpentine alteration.															
		152.50 153.50 0.5% disseminated pyrite associated															
		with green serpentine alteration.															
		153.50 154.50 0.5% disseminated pyrite associated															
		with green serpentine alteration.															
		154.50 155.50 Trace disseminated pyrite associated															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		with green serpentine alteration.															
		164.00 165.00 Check sampling, trace-0.5% disseminated pyrrhotite.															
		165.00 166.00 Check sampling, trace-0.5% disseminated pyrrhotite.															
		166.00 167.00 Check sampling, trace-0.5% disseminated pyrrhotite.															
		167.00 168.00 Check sampling, trace-0.5% disseminated pyrrhotite.															
183.10	186.00	KOMATIITIC SPINIFEX PERIDOTITE Pale grey-green, bleached section with poorly developed platy (altered) green-dark green olivine spinifex. Moderate serpentine-carbonate alteration. Weakly brecciated throughout. Good RQD of 80-85% with minor fracturing. A few random calcite-serpentine stringers. Rare to trace pyrite-pyrrhotite on SEDIMENT (UNDIFFERENTIATED) fractures/ stringers and in brecciation. Gradual lower contact.																
186.00	197.00	KOMATIITIC PERIDOTITE MESOCUMULATE Grey to dark grey, fine grained, massive, homogeneous, moderately hard, non magnetic. Pervasive weak to moderate carbonate-serpentine alteration. A few sections with iron carbonate staining along fractures. Good RQD of 90% with minor fracturing +/- green serpentine and white calcite-carbonate fracture filling. 2% Irregular white-grey serpentine-calcite stringers. Trace specks of yellow pyrite and pyrrhotite smears on fractures. 189.50 White quartz-calcite vein, barren, contacts at 50 degrees to core axis. Lower contact at 45 degrees to core axis.																
197.00	200.00	GRAPHITIC ARGILLITE Dark grey-black, very fine grained, massive, homogeneous, non magnetic, moderately conductive. Pervasive moderate graphitic alteration with weak to moderate calcite alteration. Good RQD of 85-90% with minor 40-60 degrees to core axis fracturing filled with silver-grey graphite. 1% Very thin irregular calcite stringers. 0.5% Yellow-brown pyrite disseminations. Lower contact at 75-80 degrees to core axis.																

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
200.00	208.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey, fine grained, massive, homogeneous, moderately hard, non magnetic. Pervasive weak to moderate carbonate-serpentine alteration. Good RQD of 90% with minor fracturing +/- green serpentine and white calcite-carbonate fracture filling. 2-3% Irregular white-grey serpentine-calcite stringers. Trace specks of yellow pyrite and pyrrhotite smears on fractures. 206.30 2-3cm wide white quartz-carbonate stringers at 20 degrees to core axis. Gradual lower contact.															
208.40	232.60	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark brown-black, fine-medium grained, massive, homogeneous, hard, non magnetic, non conductive, local very weak shearing. Pervasive weak to moderate graphite-biotite and calcite altered. Good RQD of 90% with localized minor sections of broken core. Weakly fractured at 20 and 40-50 degrees to core axis, minor serpentine-graphite fracture filling. Weak shearing-foliation at 40-50 degrees to core axis. 2-3% White calcite stringers, a few generations. Trace to at best 0.5% disseminated yellow-brown pyrite. 208.40 210.00 Moderately broken/ fractured with increasing graphite alteration with depth, maybe 60% rqd. 230.00 5cm fault gouge, 60 degrees to core axis. Lower contact at 60 degrees to core axis.															
232.60	235.30	FAULT ZONE															
		Moderate fault zone in mesocumulate peridotite, non magnetic, moderately hard, fine grained. Pervasive moderate carbonate alteration with sections of black-grey graphite. Poorly RQD of 40% with 20% highly weathered fault gouge, 80% recovery. No visible sulphides. Lower contact at 70 degrees to core axis.															
235.30	252.90	DIABASE															
		Green to dark green, medium grained, massive, weakly magnetic, very hard, porphyritic.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Weak serpentine alteration.															
		1-2% White-yellow plagioclase phenocrysts, roughly 1cm in size.															
		RQD 90% with minor fracturing filled with calcite-serpentine.															
		1% Hairlike calcite stringers at 40-50 degrees to core axis.															
		Trace yellow-brown pyrite specks.															
		Sharp, irregular lower contact at 50 degrees to core axis. 1.5m chilled section above lower contact, very fine grained.															
252.90	257.60	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Pale grey, fine grained, very hard, non magnetic, massive, homogeneous, mafic-intermediate in composition.															
		Weakly calcite altered, silicified.															
		Good RQD of 95% with minor fracturing +/- calcite.															
		1% Thin calcite stringers at 60-70 degrees to core axis.															
		Trace pyrite specks locally.															
257.60	264.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey, fine grained, massive, homogeneous, moderately hard, non magnetic.															
		Moderate-strong carbonate alteration.															
		Good RQD of 90% with minor fracturing +/- green serpentine and white calcite-carbonate fracture filling.															
		Weak to moderate shear foliation at 50-60 degrees to core axis.															
		3-4% Irregular white-grey serpentine-calcite stringers, several generations.															
		Sharp lower contact at 50 degrees to core axis.															
264.50	275.00	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Dark green-grey mafic intrusive mixed with 40% olive green-grey komatiitic mesocumulate peridotite. Fine-medium grained, massive, very hard, local magnetism.															
		Intrusive units are silicified with local minor serpentine and calcite with KOMATIITIC PERIDOTITE MESOCUMULATE unit being serpentine-carbonate altered.															
		Good RQD of 85% with minor local broken core and serpentine filled fractures.															
		Local weak shearing at 50-60 degrees to core axis.															
		2-4% White- grey-white calcite-serpentine stringers, multiple generations, 50-70 degrees to core axis.															
		Trace pyrite specks associated with stringers/															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		fractures.															
		263.20 263.60 Mafic dyke, same as 252.9-257.6m, contacts at 50 degrees to core axis.															
		263.60 264.50 KOMATIITIC PERIDOTITE MESOCUMULATE, olive green-grey, 2-3% serpentine-calcite stringers, rare pyrite, contacts at 50 degrees to core axis.															
		268.30 271.20 KOMATIITIC PERIDOTITE MESOCUMULATE, minor broken core locally, moderate serpentine alteration, local shear-foliation at 50-60 degrees to core axis, 3-4% serpentine-calcite stringers, trace pyrite, upper contact in broken core, lower contact at 50 degrees to core axis.															
		272.60 275.00 Mafic intrusive has 25% pale grey-beige, potassic/silica alteration, extremely hard, minor epidote alteration.															
275.00		END OF HOLE															

*** Certificate of analysis ***

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

Date : 2009/02/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24111**
Your order number : **09-01**
Project : **LANGMUIR**

Total number of samples : **54**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100651	12	14	7	5	11	11	0.3	0.2
100652	7		12		7		0.4	
100653	5		8		5		0.5	
100654	<5		6		<5		0.4	
100655	<5		7		8		0.3	
100656	<5		10		7		0.4	
100657	<5		<5		<5		0.5	
100658	5		<5		<5		0.5	
100659	<5		<5		<5		0.5	
100660	6		13		11		0.4	
100661	<5		14		13		0.4	
100662	<5		15		14		0.5	
100663	<5	<5	10	9	12	12	0.3	0.2
100664	<5		8		13		0.5	
100665	<5		<5		6		0.4	
100666	<5		<5		<5		0.3	
100667	<5		<5		6		0.6	
100668	<5		6		8		0.3	
100669	<5		8		10		0.5	
100670	<5		10		10		0.5	

Joe Landers, Manager

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100671	5		11		10		0.4	
100672	<5		14		13		0.3	
100673	<5		8		9		0.4	
100674	<5		10		9		0.4	
100675	14	10	75	73	74	76	1.0	0.9
100676	<5		11		9		0.4	
100677	<5		<5		<5		0.3	
100678	<5		<5		<5		0.3	
100679	<5		5		6		0.4	
100680	<5		7		6		0.4	
100681	<5		10		6		0.4	
100682	<5		16		11		0.3	
100683	<5		16		11		0.4	
100684	<5		9		9		0.5	
100685	<5		7		6		0.3	
100686	<5		5		6		0.4	
100687	<5	<5	8	6	9	9	<0.2	0.2
100688	<5		7		16		<0.2	
100689	5		<5		14		0.3	
100690	<5		<5		14		0.2	

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100691	<5		<5		8		<0.2	
100692	<5		8		25		0.3	
100693	<5		145		206		0.8	
100694	14		798		660		6.2	
100695	<5		51		240		1.6	
100696	9		<5		10		0.4	
100697	5		<5		8		0.4	
100698	<5		<5		5		0.3	
100699	<5	<5	<5	<5	6	6	0.3	0.2
100700	<5		<5		<5		0.2	
100701	<5		<5		<5		0.5	
100702	<5		8		78		0.3	
100703	<5		<5		13		<0.2	
100704	7		<5		<5		0.3	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24111**

Your order number : **09-01**

Project : **LANGMUIR**

Total number of samples : **54**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100651	76	76	824	811	34	29	16	14
100652	65		1265		33		17	
100653	55		1327		35		17	
100654	46		1401		34		17	
100655	34		436		103		11	
100656	29		468		109		12	
100657	190		104		57		12	
100658	141		61		52		10	
100659	172		67		51		14	
100660	31		346		60		12	
100661	106		201		42		9	
100662	156		153		45		10	
100663	119	114	159	163	37	35	10	9
100664	53		278		51		18	
100665	76		861		38		13	
100666	101		1003		37		12	
100667	102		986		38		13	
100668	57		686		41		13	
100669	49		585		50		14	
100670	48		534		63		13	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24111**

Your order number : **09-01**

Project : **LANGMUIR**

Total number of samples : **54**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100671	87		674		91		15	
100672	55		431		56		13	
100673	46		639		31		10	
100674	68		846		30		12	
100675	1837	1801	---------- >DL	---------- >DL	88	90	52	49
100676	80		958		31		13	
100677	76		1137		23		9	
100678	51		1165		20		9	
100679	62		1221		28		12	
100680	76		1237		29		10	
100681	101		1021		43		12	
100682	70		456		46		14	
100683	55		352		43		13	
100684	49		498		32		13	
100685	77		860		16		9	
100686	76		790		29		11	
100687	98	99	655	672	80	81	15	15
100688	128		1392		27		15	
100689	69		1708		36		16	
100690	111		1702		40		18	

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24111**

Your order number : **09-01**

Project : **LANGMUIR**

Total number of samples : **54**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2		Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100691	92		1160			22		16	
100692	96		2840			26		15	
100693	798		9750			36		15	
100694	6140		----------	>DL		12		45	
100695	1193		----------	>DL		26		16	
100696	90		1209			20		13	
100697	77		989			21		12	
100698	120		827			17		10	
100699	94	93	824		800	36	34	13	12
100700	65		80			21		15	
100701	90		978			17		12	
100702	149		1223			59		15	
100703	98		820			60		11	
100704	44		1069			20		11	

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24111**

Your order number : **09-01**

Project : **LANGMUIR**

Total number of samples : **54**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
100651	59	60			
100652	72				
100653	73				
100654	71				
100655	42				
100656	45				
100657	36				
100658	34				
100659	30				
100660	46				
100661	37				
100662	38				
100663	33	36			
100664	51				
100665	62				
100666	70				
100667	72				
100668	56				
100669	58				
100670	57				

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Date : 2009/02/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24111**
Your order number : **09-01**
Project : **LANGMUIR**

Total number of samples : **54**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
100671	68				
100672	54				
100673	57				
100674	67				
100675	396	398		1.990	2.010
100676	72				
100677	66				
100678	67				
100679	74				
100680	75				
100681	69				
100682	59				
100683	52				
100684	61				
100685	59				
100686	60				
100687	57	59			
100688	75				
100689	90				
100690	93				

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Date : 2009/02/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24111**
Your order number : **09-01**
Project : **LANGMUIR**

Total number of samples : **54**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
100691	67				
100692	85				
100693	201			0.970	
100694	1360		0.600	11.350	
100695	321			1.140	
100696	59				
100697	56				
100698	57				
100699	56	57			
100700	13				
100701	56				
100702	88				
100703	63				
100704	65				

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Date : 2009/02/26

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100705	6	7	15	13	13	15	0.3	0.2
100706	10		17		11		<0.2	
100707	5		11		11		0.4	
100708	7		7		9		0.3	
100709	<5		7		11		<0.2	
100710	<5		11		11		<0.2	
100711	<5		7		9		<0.2	
100712	<5		<5		6		<0.2	
100713	<5		<5		5		<0.2	
100714	<5		<5		8		0.2	
100715	<5		<5		9		<0.2	
100716	5		<5		9		<0.2	
100717	8	6	<5	<5	6	7	<0.2	<0.2
100718	6		<5		8		<0.2	
100719	7		<5		8		0.2	
100720	6		6		10		<0.2	
100721	6		6		9		<0.2	
100722	5		5		9		<0.2	
100723	7		<5		8		0.3	
100724	5		<5		7		0.2	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100725	17		88		76		0.8	
100726	<5		9		10		0.2	
100727	<5		7		11		<0.2	
100728	<5		9		11		<0.2	
100729	7	5	<5	<5	7	8	0.5	0.4
100730	38		<5		<5		0.7	
100731	5		7		8		0.2	
100732	19		<5		8		0.7	
100733	<5		7		9		0.3	
100734	12		<5		6		<0.2	
100735	<5		5		8		<0.2	
100736	9		6		9		<0.2	
100737	<5		8		12		<0.2	
100738	<5		7		8		0.3	
100739	<5		<5		6		<0.2	
100740	<5		<5		7		0.3	
100741	<5	<5	<5	<5	<5	<5	<0.2	0.2
100742	5		<5		6		0.4	
100743	<5		<5		6		<0.2	
100744	<5		7		9		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100745	<5		8		10		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100705	89	88	1151	1139	20	22	17	17
100706	60		524		23		12	
100707	108		495		40		13	
100708	614		786		199		23	
100709	135		740		89		15	
100710	76		488		29		14	
100711	84		384		44		14	
100712	67		1277		18		22	
100713	139		1319		69		29	
100714	151		999		132		19	
100715	159		748		129		16	
100716	160		1018		123		18	
100717	134	136	1049	1057	280	289	17	17
100718	166		1045		250		16	
100719	95		657		60		15	
100720	83		882		25		15	
100721	89		959		21		17	
100722	104		1083		41		16	
100723	362		905		108		20	
100724	114		1224		37		17	

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Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100725	2682		---------- >DL		83		30	
100726	123		835		57		17	
100727	86		643		27		15	
100728	101		620		58		18	
100729	206	204	684	679	402	398	30	30
100730	405		868		---------- >DL		45	
100731	130		657		862		19	
100732	341		682		3055		86	
100733	184		935		634		33	
100734	75		1442		43		20	
100735	77		1274		50		20	
100736	253		1086		93		17	
100737	191		654		70		16	
100738	71		1076		33		19	
100739	155		734		58		15	
100740	492		814		367		17	
100741	205	207	168	171	600	598	6	6
100742	627		472		1781		26	
100743	279		488		131		11	
100744	105		531		65		13	

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

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Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100745	49		367		52		15	

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Client : **Golden Chalice Resources**

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Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010	Zn AAT-8 % 0.010
100705	67	66		
100706	45			
100707	52			
100708	82			
100709	65			
100710	52			
100711	43			
100712	67			
100713	70			
100714	64			
100715	64			
100716	74			
100717	75	77		
100718	74			
100719	52			
100720	61			
100721	64			
100722	66			
100723	76			
100724	74			

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24138**

Your order number :

Project : **GCL 09-02**

Total number of samples : **41**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010	Zn AAT-8 % 0.010
100725	198		1.300	
100726	68			
100727	62			
100728	64			
100729	70	71		
100730	123			0.980
100731	55			
100732	94			
100733	74			
100734	70			
100735	70			
100736	74			
100737	68			
100738	69			
100739	68			
100740	93			
100741	40	41		
100742	183			
100743	66			
100744	54			

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24138**
Your order number :
Project : **GCL 09-02**
Total number of samples : **41**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010	Zn AAT-8 % 0.010
100745	50			

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Date : 2009/03/31

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**

Your order number :

Project : **GCL-09-05**

Total number of samples : **42**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100778	<5	<5	5	<5	<5	<5	0.4	0.3
100779	<5		5		6		0.5	
100780	9		9		7		0.3	
100781	<5		<5		<5		0.3	
100782	<5		<5		<5		<0.2	
100783	<5		5		7		0.3	
100784	<5		11		9		0.2	
100785	28		16		9		0.5	
100786	<5		5		5		0.4	
100787	<5		<5		<5		<0.2	
100788	<5		<5		<5		<0.2	
100789	<5		5		<5		<0.2	
100790	<5	<5	<5	<5	<5	<5	<0.2	<0.2
100791	<5		7		5		0.3	
100792	<5		5		5		0.2	
100793	<5		<5		<5		0.2	
100794	6		10		6		0.4	
100795	<5		5		<5		0.3	
100796	<5		6		<5		0.3	
100797	<5		10		5		0.4	

Joe Landers, Manager

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**

Your order number :

Project : **GCL-09-05**

Total number of samples : **42**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100798	<5		6		5		0.4	
100799	<5		5		<5		0.4	
100800	<5		<5		<5		<0.2	
100851	<5		<5		<5		0.2	
100852	<5	<5	<5	<5	<5	<5	0.4	0.4
100853	<5		<5		<5		<0.2	
100854	105		21		30		0.5	
100855	88		26		72		0.8	
100856	202		33		79		0.9	
100857	103		10		7		0.3	
100858	19		9		13		0.3	
100859	6		<5		<5		<0.2	
100860	131		5		<5		1.2	
100861	8		<5		<5		0.2	
100862	6		<5		<5		0.6	
100863	10		<5		<5		<0.2	
100864	8	7	<5	<5	<5	<5	0.3	0.3
100865	<5		<5		<5		0.2	
100866	13		6		<5		<0.2	
100867	<5		<5		<5		0.8	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**

Your order number :

Project : **GCL-09-05**

Total number of samples : **42**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100868	7		<5		<5		10.1	
100869	5		<5		<5		1.6	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**

Your order number :

Project : **GCL-09-05**

Total number of samples : **42**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100778	156	159	833	847	51	49	23	23
100779	137		747		50		25	
100780	143		794		53		23	
100781	142		805		48		19	
100782	137		919		66		22	
100783	111		657		82		22	
100784	119		644		139		21	
100785	478		894		381		62	
100786	171		1138		316		25	
100787	124		1086		104		17	
100788	132		1125		45		16	
100789	126		1093		35		20	
100790	122	130	988	1021	45	48	13	15
100791	149		1206		55		19	
100792	131		1165		51		17	
100793	131		1282		54		13	
100794	150		771		88		23	
100795	139		1376		60		29	
100796	148		1402		43		28	
100797	147		1526		35		27	

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**

Your order number :

Project : **GCL-09-05**

Total number of samples : **42**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100798	160		1532		33		26	
100799	159		1540		34		27	
100800	190		150		15		32	
100851	178		1538		36		29	
100852	212	214	1469	1505	39	37	30	30
100853	179		1326		35		27	
100854	421		2222		38		32	
100855	1032		3200		42		32	
100856	957		3539		46		33	
100857	202		1145		54		26	
100858	179		1296		57		28	
100859	57		105		42		8	
100860	110		46		166		81	
100861	57		39		54		9	
100862	210		43		79		14	
100863	57		35		41		15	
100864	57	61	24	26	36	37	8	8
100865	47		31		41		6	
100866	65		25		91		14	
100867	54		25		68		24	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**

Your order number :

Project : **GCL-09-05**

Total number of samples : **42**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100868	86		32		114		130	
100869	60		18		24		49	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**

Your order number :

Project : **GCL-09-05**

Total number of samples : **42**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100778	53	58
100779	58	
100780	56	
100781	54	
100782	60	
100783	56	
100784	52	
100785	108	
100786	62	
100787	58	
100788	59	
100789	62	
100790	53	57
100791	65	
100792	63	
100793	58	
100794	60	
100795	70	
100796	67	
100797	69	

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Client : **Golden Chalice Resources**

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Folder : **24303**
Your order number :
Project : **GCL-09-05**

Total number of samples : **42**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100798	66	
100799	72	
100800	38	
100851	74	
100852	73	74
100853	70	
100854	97	
100855	102	
100856	117	
100857	64	
100858	66	
100859	22	
100860	19	
100861	16	
100862	21	
100863	12	
100864	11	12
100865	14	
100866	20	
100867	14	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24303**
Your order number :
Project : **GCL-09-05**

Total number of samples : **42**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100868	19	
100869	11	

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Date : 2009/03/31

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24304**

Your order number :

Project : **GCL-09-04**

Total number of samples : **11**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100767	8	8	15	14	10	10	<0.2	<0.2
100768	6		15		10		<0.2	
100769	<5		7		8		<0.2	
100770	5		10		8		0.6	
100771	<5		7		7		0.3	
100772	<5		9		9		0.2	
100773	10		8		9		0.4	
100774	7		6		6		0.8	
100775	16		72		77		0.9	
100776	16		10		9		<0.2	
100777	13		13		9		0.3	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24304**

Your order number :

Project : **GCL-09-04**

Total number of samples : **11**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100767	136	138	610	610	88	87	16	16
100768	125		582		117		13	
100769	169		551		70		13	
100770	295		620		192		25	
100771	117		765		61		15	
100772	140		494		39		17	
100773	146		893		25		16	
100774	141		1034		81		29	
100775	1784		---------- >DL		90		56	
100776	278		1139		113		28	
100777	114		617		78		19	

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24304**
Your order number :
Project : **GCL-09-04**

Total number of samples : **11**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
100767	54	54	
100768	53		
100769	40		
100770	55		
100771	52		
100772	45		
100773	53		
100774	55		
100775	353		2.020
100776	92		
100777	49		

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Date : 2009/03/31

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24305**
Your order number :
Project : **GCL-09-03**
Total number of samples : **21**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100746	7	5	<5	<5	<5	<5	0.3	0.2
100747	12		<5		<5		<0.2	
100748	32		<5		<5		0.2	
100749	7		<5		<5		<0.2	
100750	<5		<5		<5		<0.2	
100751	7		<5		<5		<0.2	
100752	14		<5		<5		<0.2	
100753	<5		<5		<5		<0.2	
100754	9		10		8		<0.2	
100755	5		7		<5		0.3	
100756	6		14		7		<0.2	
100757	8		9		5		<0.2	
100758	<5	<5	<5	<5	<5	<5	<0.2	<0.2
100759	6		5		<5		<0.2	
100760	32		9		<5		0.2	
100761	<5		5		<5		0.2	
100762	<5		<5		<5		0.2	
100763	<5		<5		<5		0.3	
100764	<5		5		<5		0.3	
100765	10		5		<5		<0.2	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24305**

Your order number :

Project : **GCL-09-03**

Total number of samples : **21**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100766	<5		10		7		<0.2	

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Folder : **24305**

Your order number :

Project : **GCL-09-03**

Total number of samples : **21**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100746	139	143	44	44	83	85	28	28
100747	177		25		56		17	
100748	675		27		31		13	
100749	214		18		24		10	
100750	183		11		24		30	
100751	113		52		41		18	
100752	192		51		35		9	
100753	153		38		29		8	
100754	175		504		34		17	
100755	172		125		69		44	
100756	128		701		31		18	
100757	118		519		41		15	
100758	130	135	81	85	27	28	11	11
100759	176		76		30		12	
100760	115		566		79		15	
100761	140		708		67		15	
100762	143		649		73		31	
100763	134		633		46		17	
100764	127		317		75		32	
100765	192		90		54		30	

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Client : **Golden Chalice Resources**

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Folder : **24305**

Your order number :

Project : **GCL-09-03**

Total number of samples : **21**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100766	116		971		25		22	

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Your order number :
Project : **GCL-09-03**

Total number of samples : **21**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100746	26	27
100747	29	
100748	46	
100749	26	
100750	34	
100751	25	
100752	23	
100753	21	
100754	45	
100755	39	
100756	51	
100757	43	
100758	30	31
100759	34	
100760	45	
100761	50	
100762	51	
100763	51	
100764	42	
100765	27	

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Client : **Golden Chalice Resources**	
Addressee : **Darlene Wojtczak**	Folder : **24305** Your order number : Project : **GCL-09-03**
	Total number of samples : **21**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100766	56	

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Date : 2009/04/24

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**
Your order number :
Project : **GCL-09-06**

Total number of samples : **47**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100870	<5	5	7	<5	5	5	<0.2	<0.2
100871	<5		<5		<5		<0.2	
100872	<5		<5		<5		<0.2	
100873	<5		6		5		<0.2	
100874	8		7		5		<0.2	
100875	18		15		16		1.8	
100876	<5		6		5		<0.2	
100877	<5		<5		<5		<0.2	
100878	<5		7		5		<0.2	
100879	<5		<5		<5		<0.2	
100880	<5		8		6		<0.2	
100881	<5		8		6		<0.2	
100882	<5	<5	5	6	6	7	<0.2	<0.2
100883	<5		6		6		<0.2	
100884	<5		8		7		<0.2	
100885	<5		<5		<5		<0.2	
100886	6		9		7		<0.2	
100887	<5		<5		<5		<0.2	
100888	<5		8		9		<0.2	
100889	5		7		6		<0.2	

Joe Landers, Manager

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Date : 2009/04/24

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**
Your order number :
Project : **GCL-09-06**

Total number of samples : **47**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100890	<5		6		8		<0.2	
100891	<5		9		9		<0.2	
100892	<5		<5		11		<0.2	
100893	<5		12		22		<0.2	
100894	<5	<5	<5	5	12	13	<0.2	0.2
100895	5		9		19		<0.2	
100896	8		13		24		<0.2	
100897	<5		17		29		<0.2	
100898	<5		8		8		0.3	
100899	<5		<5		<5		<0.2	
100900	<5		<5		<5		<0.2	
100901	<5		31		36		0.2	
100902	<5		<5		6		<0.2	
100903	<5		5		7		0.2	
100904	<5		<5		8		0.2	
100905	68		9		12		<0.2	
100906	96	104	8	8	17	18	<0.2	<0.2
100907	50		15		29		0.2	
100908	54		6		<5		<0.2	
100909	16		6		17		0.4	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**

Your order number :

Project : **GCL-09-06**

Total number of samples : **47**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100910	<5		7		5		<0.2	
100911	7		18		15		<0.2	
100912	<5		<5		7		<0.2	
100913	<5		5		5		<0.2	
100914	13		<5		5		<0.2	
100915	<5		<5		<5		0.4	
100916	5		<5		<5		0.6	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**

Your order number :

Project : **GCL-09-06**

Total number of samples : **47**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100870	145	140	995	983	49	47	33	31
100871	116		1105		47		31	
100872	142		1104		54		32	
100873	128		1134		59		33	
100874	141		1131		77		32	
100875	4010		2765		24		16	
100876	135		1211		70		32	
100877	112		1209		57		32	
100878	105		1233		53		32	
100879	104		1026		62		29	
100880	99		891		43		29	
100881	104		903		40		29	
100882	121	124	847	862	45	49	28	29
100883	137		865		38		28	
100884	117		756		39		25	
100885	107		750		48		26	
100886	115		581		41		25	
100887	195		649		40		26	
100888	174		863		39		27	
100889	189		970		39		29	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**

Your order number :

Project : **GCL-09-06**

Total number of samples : **47**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100890	161		1104		42		31	
100891	165		1252		46		34	
100892	153		1541		47		33	
100893	134		1091		34		24	
100894	150	154	1378	1408	45	50	33	35
100895	159		1603		46		33	
100896	146		1330		42		33	
100897	109		1349		41		32	
100898	111		1211		28		26	
100899	96		1044		31		27	
100900	159		58		18		29	
100901	210		729		30		28	
100902	136		1031		41		35	
100903	162		844		30		26	
100904	140		910		36		28	
100905	158		932		30		24	
100906	226	224	973	959	37	36	30	30
100907	142		1417		42		35	
100908	117		1379		38		32	
100909	214		1704		38		34	

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Client : **Golden Chalice Resources**

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Folder : **24396**

Your order number :

Project : **GCL-09-06**

Total number of samples : **47**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100910	114		1042		45		34	
100911	154		1087		43		34	
100912	131		970		42		34	
100913	133		937		47		31	
100914	118		981		45		29	
100915	45		65		45		12	
100916	54		48		42		14	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**

Your order number :

Project : **GCL-09-06**

Total number of samples : **47**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100870	59	57
100871	62	
100872	62	
100873	67	
100874	62	
100875	81	
100876	65	
100877	65	
100878	63	
100879	60	
100880	62	
100881	63	
100882	64	65
100883	58	
100884	55	
100885	58	
100886	50	
100887	52	
100888	57	
100889	56	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**

Your order number :

Project : **GCL-09-06**

Total number of samples : **47**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100890	61	
100891	69	
100892	74	
100893	59	
100894	74	76
100895	71	
100896	70	
100897	69	
100898	58	
100899	53	
100900	35	
100901	60	
100902	67	
100903	56	
100904	58	
100905	58	
100906	61	60
100907	72	
100908	69	
100909	87	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24396**
Your order number :
Project : **GCL-09-06**

Total number of samples : **47**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100910	63	
100911	67	
100912	65	
100913	60	
100914	61	
100915	14	
100916	14	

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Date : 2009/04/24

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24397**
Your order number :
Project : **GCL-09-07**

Total number of samples : **25**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100917	5	<5	13	11	12	11	0.2	<0.2
100918	10		10		12		0.3	
100919	<5		<5		8		<0.2	
100920	<5		<5		<5		0.4	
100921	<5		<5		<5		<0.2	
100922	<5		9		13		<0.2	
100923	<5		9		12		<0.2	
100924	<5		11		11		<0.2	
100925	14		68		90		0.8	
100926	5		8		6		<0.2	
100927	<5		<5		7		0.3	
100928	<5		<5		6		<0.2	
100929	<5	<5	5	6	8	7	<0.2	<0.2
100930	<5		11		16		0.2	
100931	<5		8		13		0.3	
100932	5		<5		10		0.3	
100933	16		<5		<5		0.9	
100934	<5		<5		7		0.2	
100935	<5		6		13		0.3	
100936	<5		7		11		0.4	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24397**

Your order number :

Project : **GCL-09-07**

Total number of samples : **25**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100937	<5		9		13		0.3	
100938	8		12		16		0.3	
100939	5		7		10		<0.2	
100940	7		9		9		<0.2	
100941	<5	<5	<5	<5	9	8	<0.2	<0.2

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Your order number :

Project : **GCL-09-07**

Total number of samples : **25**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100917	76	77	428	425	67	68	20	19
100918	114		520		34		23	
100919	143		779		27		22	
100920	139		1095		18		13	
100921	93		457		36		22	
100922	124		511		46		23	
100923	94		334		44		22	
100924	96		455		40		22	
100925	2750		---------- >DL		82		35	
100926	110		1059		34		17	
100927	129		970		34		17	
100928	128		974		40		20	
100929	101	99	721	713	44	46	22	22
100930	101		458		63		23	
100931	123		1041		93		22	
100932	136		774		175		40	
100933	304		729		3194		75	
100934	174		628		161		26	
100935	132		519		70		26	
100936	115		486		47		20	

>DL Value greater than detection limit

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Folder : **24397**

Your order number :

Project : **GCL-09-07**

Total number of samples : **25**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100937	110		342		49		18	
100938	120		352		46		18	
100939	100		1190		39		26	
100940	98		1176		37		26	
100941	105	103	1178	1180	37	37	26	25

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **24397**
Your order number :
Project : **GCL-09-07**

Total number of samples : **25**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
100917	45	47	
100918	51		
100919	59		
100920	56		
100921	34		
100922	51		
100923	45		
100924	47		
100925	191		1.330
100926	60		
100927	57		
100928	59		
100929	53	55	
100930	46		
100931	61		
100932	60		
100933	86		
100934	51		
100935	51		
100936	52		

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Your order number :
Project : **GCL-09-07**

Total number of samples : **25**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
100937	45		
100938	44		
100939	63		
100940	65		
100941	64	63	

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Date : 2009/04/30

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**
Your order number :
Project : **GCL 09-10**
Total number of samples : **85**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104014	<5	5	<5	<5	6	<5	0.3	0.2
104015	<5		<5		<5		0.4	
104016	5		<5		<5		0.2	
104017	5		<5		<5		<0.2	
104018	7		5		5		<0.2	
104019	<5		<5		<5		0.5	
104020	5		7		5		<0.2	
104021	<5		<5		5		<0.2	
104022	<5		9		10		0.4	
104023	<5		11		10		0.2	
104024	5		13		11		0.4	
104025	15		72		93		0.8	
104026	<5	5	7	6	7	8	0.6	0.5
104027	<5		9		10		0.3	
104028	<5		15		10		0.4	
104029	<5		6		8		0.3	
104030	<5		11		8		0.3	
104031	<5		10		8		0.4	
104032	<5		9		9		0.3	
104033	<5		10		9		0.3	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104034	6		11		9		0.3	
104035	<5		10		8		0.3	
104036	<5		11		7		0.3	
104037	<5		11		7		0.3	
104038	6	<5	8	6	7	6	0.5	0.4
104039	<5		10		7		0.3	
104040	6		44		51		0.3	
104041	<5		15		18		0.9	
104042	<5		11		9		0.7	
104043	6		14		9		0.4	
104044	5		15		12		0.4	
104045	6		15		12		0.3	
104046	<5		14		10		0.3	
104047	7		15		9		0.3	
104048	<5		13		12		0.8	
104049	<5		6		7		0.3	
104050	<5	<5	<5	<5	<5	<5	<0.2	<0.2
104051	25		13		7		1.2	
104052	10		8		7		0.4	
104053	12		10		9		0.3	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104054	<5		10		10		0.4	
104055	15		18		19		0.5	
104056	14		47		97		0.6	
104057	53		57		152		0.7	
104058	6		10		13		0.7	
104059	19		44		157		0.5	
104060	8		13		17		0.8	
104061	40		16		28		0.7	
104062	40	36	24	23	34	31	0.3	0.3
104063	19		13		10		0.2	
104064	5		15		19		0.3	
104065	<5		5		<5		0.2	
104066	<5		<5		<5		0.3	
104067	18		16		35		0.4	
104068	87		77		177		2.6	
104069	<5		34		87		0.5	
104070	<5		36		73		0.5	
104071	5		26		60		0.4	
104072	6		90		199		0.6	
104073	<5		31		70		0.4	

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Client : **Golden Chalice Resources**

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Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104074	<5	<5	19	19	35	38	0.3	0.3
104075	18		18		21		1.4	
104076	<5		30		61		0.9	
104077	<5		16		21		0.3	
104078	<5		20		30		0.5	
104079	<5		6		6		0.5	
104080	<5		12		7		0.4	
104081	<5		8		5		0.4	
104082	<5		10		18		0.4	
104083	<5		24		43		0.5	
104084	<5		32		38		0.6	
104085	<5		15		28		0.4	
104086	<5	<5	10	9	11	12	0.2	0.3
104087	18		89		212		0.7	
104088	18		74		211		0.8	
104089	19		111		305		0.9	
104090	13		109		290		0.7	
104091	<5		22		30		0.2	
104092	<5		13		8		0.2	
104093	<5		10		7		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104094	<5		5		<5		0.5	
104095	<5		<5		<5		0.2	
104096	<5		<5		<5		0.3	
104097	<5		<5		<5		0.2	
104098	<5	<5	<5	<5	<5	<5	<0.2	<0.2

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Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104014	35	40	559	588	118	118	23	25
104015	307		76		77		15	
104016	131		69		66		13	
104017	204		58		70		11	
104018	134		100		78		17	
104019	43		1147		53		14	
104020	84		1446		36		11	
104021	96		1328		48		13	
104022	105		712		99		20	
104023	88		762		140		22	
104024	176		1087		189		25	
104025	2602		---------- >DL		92		27	
104026	108	110	1295	1312	269	266	26	27
104027	106		954		204		22	
104028	138		978		195		22	
104029	178		1386		163		27	
104030	151		1297		157		23	
104031	162		1250		156		24	
104032	150		1257		133		21	
104033	112		1083		89		22	

>DL Value greater than detection limit

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Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104034	80		958		58		23	
104035	81		1221		44		19	
104036	89		1271		37		15	
104037	128		1340		39		16	
104038	167	174	1230	1273	48	45	16	16
104039	174		1240		53		19	
104040	149		973		70		23	
104041	68		781		63		19	
104042	179		1066		46		19	
104043	265		1073		37		17	
104044	73		928		42		19	
104045	38		643		54		19	
104046	36		643		57		20	
104047	94		790		47		19	
104048	114		956		45		21	
104049	81		971		31		21	
104050	59	57	23	29	16	15	27	31
104051	72		967		31		20	
104052	75		924		29		21	
104053	82		972		29		21	

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Project : **GCL 09-10**

Total number of samples : **85**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104054	84		916		35		22	
104055	248		1083		32		22	
104056	215		3040		29		24	
104057	596		6945		33		28	
104058	95		1655		35		27	
104059	393		8212		32		27	
104060	144		1978		32		27	
104061	145		2113		32		30	
104062	129	136	2246	2346	30	31	25	27
104063	99		1906		33		24	
104064	190		2240		31		24	
104065	72		1987		35		27	
104066	95		1548		29		26	
104067	291		1969		23		31	
104068	1132		8793		34		31	
104069	421		4332		36		28	
104070	863		3747		35		26	
104071	576		3664		37		27	
104072	1042		----------	>DL	39		28	
104073	360		3800		37		27	

>DL Value greater than detection limit

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Project : **GCL 09-10**

Total number of samples : **85**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104074	186	193	3052	3040	39	40	27	28
104075	3914		2806		26		12	
104076	399		3587		39		27	
104077	133		2559		43		27	
104078	193		2888		36		27	
104079	337		2111		37		25	
104080	236		2170		42		30	
104081	178		2042		37		26	
104082	157		2442		35		27	
104083	275		3383		34		27	
104084	379		3204		44		26	
104085	200		2664		29		24	
104086	81	81	2127	2177	33	33	25	27
104087	1285		---------- >DL		38		30	
104088	1868		---------- >DL		42		28	
104089	1696		---------- >DL		24		17	
104090	2066		---------- >DL		24		18	
104091	260		2380		30		20	
104092	368		837		47		22	
104093	78		816		29		19	

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104094	91		168		155		52	
104095	65		69		30		19	
104096	30		39		54		25	
104097	33		40		24		16	
104098	81	78	76	68	17	15	21	19

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Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104014	67	70	
104015	42		
104016	37		
104017	31		
104018	42		
104019	62		
104020	78		
104021	75		
104022	71		
104023	77		
104024	96		
104025	240		1.340
104026	95	96	
104027	85		
104028	80		
104029	90		
104030	86		
104031	89		
104032	90		
104033	87		

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**
Your order number :
Project : **GCL 09-10**

Total number of samples : **85**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104034	81		
104035	82		
104036	78		
104037	81		
104038	78	80	
104039	82		
104040	91		
104041	76		
104042	77		
104043	78		
104044	69		
104045	61		
104046	65		
104047	67		
104048	76		
104049	74		
104050	15	16	
104051	74		
104052	71		
104053	73		

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104054	75		
104055	78		
104056	107		
104057	158		0.710
104058	94		
104059	214		0.840
104060	97		
104061	104		
104062	112	115	
104063	100		
104064	103		
104065	100		
104066	74		
104067	90		
104068	274		0.910
104069	165		
104070	164		
104071	148		
104072	308		1.150
104073	145		

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Client : **Golden Chalice Resources**

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Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104074	122	128	
104075	86		
104076	145		
104077	102		
104078	130		
104079	102		
104080	108		
104081	105		
104082	117		
104083	149		
104084	121		
104085	115		
104086	101	100	
104087	272		1.310
104088	373		1.950
104089	268		1.740
104090	325		1.860
104091	72		
104092	64		
104093	59		

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24440**

Your order number :

Project : **GCL 09-10**

Total number of samples : **85**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104094	24		
104095	13		
104096	15		
104097	16		
104098	12	12	

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Date : 2009/04/30

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24441**

Your order number :

Project : **GCL 09-08**

Total number of samples : **22**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
100942	5	<5	10	11	5	7	<0.2	<0.2
100943	<5		5		5		0.2	
100944	<5		5		5		<0.2	
100945	<5		<5		5		0.2	
100946	5		<5		<5		<0.2	
100947	8		<5		<5		<0.2	
100948	<5		9		9		<0.2	
100949	<5		<5		<5		<0.2	
100950	<5		<5		<5		<0.2	
104001	13		<5		<5		<0.2	
104002	11		<5		<5		<0.2	
104003	5		9		5		0.4	
104004	<5	<5	13	13	9	9	0.2	0.2
104005	9		22		17		<0.2	
104006	<5		<5		<5		<0.2	
104007	<5		5		<5		0.3	
104008	13		6		<5		<0.2	
104009	6		5		<5		0.3	
104010	<5		<5		<5		<0.2	
104011	5		<5		<5		<0.2	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24441**

Your order number :

Project : **GCL 09-08**

Total number of samples : **22**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104012	<5		<5		<5		<0.2	
104013	5		<5		<5		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24441**

Your order number :

Project : **GCL 09-08**

Total number of samples : **22**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
100942	78	73	1291	1240	43	40	19	18
100943	74		1210		47		18	
100944	139		1123		47		16	
100945	189		1165		47		15	
100946	116		74		58		11	
100947	30		60		54		13	
100948	66		387		74		20	
100949	73		247		45		12	
100950	60		18		22		24	
104001	54		187		42		11	
104002	200		212		48		13	
104003	90		274		66		30	
104004	50	53	665	689	41	40	15	15
104005	97		102		64		14	
104006	57		42		32		7	
104007	91		215		120		24	
104008	151		25		22		8	
104009	40		18		23		10	
104010	23		21		31		8	
104011	25		11		23		10	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24441**

Your order number :

Project : **GCL 09-08**

Total number of samples : **22**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104012	26		25		78		11	
104013	16		17		19		6	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24441**
Your order number :
Project : **GCL 09-08**
Total number of samples : **22**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
100942	75	79
100943	72	
100944	67	
100945	68	
100946	17	
100947	23	
100948	62	
100949	26	
100950	14	
104001	23	
104002	28	
104003	34	
104004	52	55
104005	36	
104006	12	
104007	36	
104008	10	
104009	12	
104010	9	
104011	10	

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Date : 2009/04/30

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24441**

Your order number :

Project : **GCL 09-08**

Total number of samples : **22**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
104012	23	
104013	8	

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Date : 2009/05/12

Client : **Golden Chalice Resources**	Original folder: 24440
Addressee : **Darlene Wojtczak**	Folder : **24465** Your order number : **Pulps** Project : **GCL-09-10**
	Total number of samples : **36**

Designation	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
104056	0.380	0.360
104057	0.710	
104058	0.180	
104059	0.810	
104060	0.220	
104061	0.230	
104062	0.250	
104063	0.210	
104064	0.250	
104065	0.220	
104066	0.160	
104067	0.210	
104068	0.850	0.860
104069	0.500	
104070	0.410	
104071	0.400	
104072	1.100	
104073	0.440	
104074	0.310	
104075	0.250	

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Date : 2009/05/12

Client : **Golden Chalice Resources**	Original folder: 24440
Addressee : **Darlene Wojtczak**	Folder : **24465** Your order number : **Pulps** Project : **GCL-09-10**
	Total number of samples : **36**

Designation	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
104076	0.390	
104077	0.260	
104078	0.300	
104079	0.210	
104080	0.220	0.230
104081	0.210	
104082	0.250	
104083	0.360	
104084	0.350	
104085	0.290	
104086	0.230	
104087	1.320	
104088	1.900	
104089	1.680	
104090	1.840	
104091	0.260	

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Date : 2009/05/12

Client : **Golden Chalice Resources**	Original folder: 24440
Addressee : **Darlene Wojtczak**	Folder : **24466** Your order number : **Rejects** Project : **GCL-09-10**
	Total number of samples : **36**

Designation	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
104056	0.360	0.340
104057	0.670	
104058	0.180	
104059	0.790	
104060	0.220	
104061	0.220	
104062	0.250	
104063	0.210	
104064	0.240	
104065	0.210	
104066	0.160	
104067	0.210	
104068	0.890	0.870
104069	0.490	
104070	0.420	
104071	0.410	
104072	1.140	
104073	0.440	
104074	0.310	
104075	0.250	

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Date : 2009/05/12

Client : **Golden Chalice Resources**	Original folder: 24440
Addressee : **Darlene Wojtczak**	Folder : **24466** Your order number : **Rejects** Project : **GCL-09-10**
	Total number of samples : **36**

Designation	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
104076	0.400	
104077	0.260	
104078	0.310	
104079	0.210	
104080	0.230	0.230
104081	0.220	
104082	0.260	
104083	0.350	
104084	0.370	
104085	0.290	
104086	0.240	
104087	1.280	
104088	1.910	
104089	1.670	
104090	1.920	
104091	0.260	

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Date : 2009/05/14

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24491**
Your order number :
Project : **GCL-09-11**
Total number of samples : **79**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104099	<5	5	<5	<5	<5	<5	<0.2	<0.2
104100	<5		<5		<5		<0.2	
104101	<5		<5		<5		<0.2	
104102	<5		<5		<5		<0.2	
104103	<5		<5		<5		<0.2	
104104	<5		<5		<5		<0.2	
104105	<5		<5		<5		<0.2	
104106	5		<5		<5		<0.2	
104107	6		<5		<5		0.2	
104108	<5		<5		<5		<0.2	
104109	<5		<5		<5		<0.2	
104110	<5		<5		<5		<0.2	
104111	<5	<5	<5	<5	<5	<5	<0.2	0.2
104112	<5		<5		<5		0.3	
104113	<5		<5		<5		0.2	
104114	<5		<5		<5		<0.2	
104115	<5		<5		<5		<0.2	
104116	<5		<5		<5		0.2	
104117	<5		<5		<5		<0.2	
104118	<5		<5		<5		<0.2	

Joe Landers, Manager

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24491**

Your order number :

Project : **GCL-09-11**

Total number of samples : **79**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104119	<5		<5		<5		0.2	
104120	<5		<5		<5		0.4	
104121	<5		<5		<5		0.3	
104122	<5		<5		<5		<0.2	
104123	<5	<5	<5	<5	<5	<5	0.4	0.5
104124	<5		<5		<5		0.4	
104125	13		71		77		0.8	
104126	<5		<5		<5		0.5	
104127	<5		<5		<5		0.4	
104128	5		<5		<5		0.4	
104129	<5		<5		<5		0.8	
104130	<5		<5		<5		<0.2	
104131	<5		<5		<5		0.4	
104132	5		8		6		<0.2	
104133	5		6		8		<0.2	
104134	<5		<5		<5		<0.2	
104135	<5	5	<5	<5	<5	5	0.2	<0.2
104136	<5		<5		<5		0.2	
104137	<5		<5		<5		<0.2	
104138	<5		5		<5		<0.2	

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24491**

Your order number :

Project : **GCL-09-11**

Total number of samples : **79**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104139	<5		<5		<5		<0.2	
104140	<5		<5		<5		<0.2	
104141	<5		<5		<5		0.2	
104142	<5		9		15		<0.2	
104143	<5		<5		<5		<0.2	
104144	<5		<5		<5		0.4	
104145	<5		7		17		0.3	
104146	<5		34		79		0.2	
104147	<5	<5	21	21	50	53	<0.2	<0.2
104148	<5		5		5		<0.2	
104149	<5		<5		<5		<0.2	
104150	<5		<5		<5		<0.2	
104151	5		<5		<5		<0.2	
104152	<5		<5		<5		<0.2	
104153	<5		6		6		<0.2	
104154	<5		5		<5		<0.2	
104155	<5		6		<5		<0.2	
104156	<5		8		6		<0.2	
104157	<5		6		5		<0.2	
104158	<5		6		<5		<0.2	

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Project : **GCL-09-11**

Total number of samples : **79**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104159	<5	<5	<5	<5	<5	<5	<0.2	<0.2
104160	<5		<5		<5		<0.2	
104161	<5		<5		<5		<0.2	
104162	<5		<5		<5		0.2	
104163	<5		<5		<5		<0.2	
104164	6		8		7		<0.2	
104165	8		<5		<5		<0.2	
104166	8		7		6		0.3	
104167	11		6		6		<0.2	
104168	<5		<5		<5		0.4	
104169	10		6		5		0.2	
104170	5		<5		<5		<0.2	
104171	5	<5	5	<5	7	5	<0.2	<0.2
104172	<5		7		7		<0.2	
104173	<5		<5		6		<0.2	
104174	<5		7		7		<0.2	
104175	16		20		16		1.8	
104176	<5		6		<5		<0.2	
104177	<5		<5		5		<0.2	

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24491**

Your order number :

Project : **GCL-09-11**

Total number of samples : **79**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104099	41	39	26	26	50	45	21	21
104100	83		10		34		35	
104101	36		25		51		23	
104102	37		26		63		22	
104103	29		19		34		19	
104104	37		27		57		25	
104105	36		24		67		29	
104106	39		27		48		43	
104107	39		18		28		32	
104108	37		24		33		17	
104109	31		25		31		17	
104110	38		22		39		17	
104111	45	42	23	22	25	26	20	22
104112	46		23		35		17	
104113	40		24		58		21	
104114	28		21		23		17	
104115	34		36		34		20	
104116	32		24		41		22	
104117	51		27		46		19	
104118	58		26		49		18	

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Folder : **24491**
Your order number :
Project : **GCL-09-11**

Total number of samples : **79**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104119	68		30		41		19	
104120	106		43		48		40	
104121	67		25		43		27	
104122	50		23		38		17	
104123	55	57	28	31	42	39	23	24
104124	81		35		42		26	
104125	1766		---------- >DL		89		59	
104126	86		69		42		27	
104127	61		27		38		30	
104128	53		30		42		23	
104129	99		32		33		49	
104130	58		31		41		20	
104131	70		36		91		40	
104132	131		1069		23		15	
104133	107		1482		41		28	
104134	80		1021		36		33	
104135	62	59	574	562	53	54	29	28
104136	67		886		30		25	
104137	76		1227		39		31	
104138	71		1274		38		31	

>DL Value greater than detection limit

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Your order number :

Project : **GCL-09-11**

Total number of samples : **79**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104139	73		1265		37		31	
104140	74		1266		38		32	
104141	85		1387		42		33	
104142	125		1741		34		30	
104143	112		1368		36		31	
104144	128		1238		35		31	
104145	171		2373		44		32	
104146	343		5418		33		26	
104147	169	159	2473	2382	32	29	28	25
104148	110		1372		28		22	
104149	93		1292		33		20	
104150	84		39		16		34	
104151	118		1282		45		23	
104152	100		1137		40		17	
104153	153		1048		76		22	
104154	119		620		92		24	
104155	70		595		76		23	
104156	101		372		65		23	
104157	68		381		54		22	
104158	55		512		50		20	

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Your order number :

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Total number of samples : **79**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104159	51	52	500	511	60	62	21	23
104160	90		583		51		23	
104161	83		1447		36		20	
104162	80		1223		31		19	
104163	90		1064		42		21	
104164	118		1063		59		21	
104165	539		921		129		33	
104166	281		1043		171		39	
104167	931		1294		145		41	
104168	111		817		181		36	
104169	83		570		192		37	
104170	73		685		152		32	
104171	120	122	784	802	111	111	25	25
104172	105		886		53		22	
104173	102		1002		37		23	
104174	97		974		35		22	
104175	3780		2670		26		16	
104176	179		1003		53		22	
104177	97		884		69		21	

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Client : **Golden Chalice Resources**

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Folder : **24491**
Your order number :
Project : **GCL-09-11**

Total number of samples : **79**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104099	12	11	
104100	17		
104101	13		
104102	12		
104103	10		
104104	11		
104105	12		
104106	11		
104107	9		
104108	12		
104109	13		
104110	10		
104111	10	10	
104112	12		
104113	12		
104114	10		
104115	19		
104116	10		
104117	11		
104118	12		

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Your order number :

Project : **GCL-09-11**

Total number of samples : **79**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104119	13		
104120	14		
104121	12		
104122	11		
104123	13	12	
104124	14		
104125	401		2.060
104126	15		
104127	13		
104128	11		
104129	17		
104130	12		
104131	14		
104132	52		
104133	78		
104134	59		
104135	64	63	
104136	63		
104137	81		
104138	77		

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Total number of samples : **79**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104139	79		
104140	84		
104141	86		
104142	95		
104143	83		
104144	75		
104145	98		
104146	177		0.540
104147	119	113	
104148	75		
104149	68		
104150	17		
104151	80		
104152	63		
104153	93		
104154	73		
104155	64		
104156	61		
104157	53		
104158	56		

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Total number of samples : **79**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104159	58	60	
104160	71		
104161	74		
104162	81		
104163	77		
104164	86		
104165	100		
104166	124		
104167	167		
104168	99		
104169	85		
104170	76		
104171	83	85	
104172	78		
104173	80		
104174	75		
104175	87		
104176	86		
104177	74		

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Date : 2009/05/14

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**

Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104178	<5	<5	<5	<5	<5	<5	0.2	0.3
104179	<5		<5		<5		1.5	
104180	<5		<5		<5		1.3	
104181	<5		<5		6		0.2	
104182	<5		<5		<5		<0.2	
104183	<5		<5		<5		2.5	
104184	5		8		6		0.4	
104185	<5		5		5		<0.2	
104186	5		12		7		0.5	
104187	<5		5		<5		<0.2	
104188	<5		6		<5		<0.2	
104189	<5		5		<5		0.3	
104190	<5	<5	<5	<5	<5	<5	0.2	<0.2
104191	6		5		<5		0.3	
104192	<5		<5		<5		0.2	
104193	<5		5		<5		<0.2	
104194	6		<5		<5		<0.2	
104195	<5		5		<5		<0.2	
104196	<5		<5		<5		0.3	
104197	6		<5		<5		<0.2	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**

Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104198	5		<5		<5		<0.2	
104199	10		7		5		0.2	
104200	<5		<5		<5		<0.2	
104201	5		5		<5		<0.2	
104202	<5	<5	6	<5	<5	<5	<0.2	<0.2
104203	5		6		<5		<0.2	
104204	6		6		<5		0.2	
104205	7		<5		<5		<0.2	
104206	5		8		<5		<0.2	
104207	8		5		<5		0.4	
104208	7		<5		<5		<0.2	
104209	5		7		<5		0.3	
104210	<5		5		<5		<0.2	
104211	<5		<5		<5		0.2	
104212	7		<5		<5		0.2	
104213	5		<5		<5		<0.2	
104214	6	<5	6	5	<5	<5	0.2	<0.2
104215	5		5		<5		0.4	
104216	6		5		<5		<0.2	
104217	<5		5		<5		0.3	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**

Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104218	11		<5		<5		0.4	
104219	5		5		<5		0.4	
104220	<5		5		<5		<0.2	
104221	8		<5		<5		0.2	
104222	7		9		6		0.2	
104223	5		7		<5		0.3	
104224	5		12		6		0.2	
104225	15		71		89		0.8	
104226	<5	<5	7	5	6	5	<0.2	<0.2
104227	6		9		5		<0.2	
104228	7		9		<5		<0.2	
104229	<5		10		7		<0.2	
104230	<5		8		<5		<0.2	
104231	<5		11		7		0.4	
104232	<5		9		5		<0.2	
104233	<5		12		8		0.2	
104234	<5		<5		<5		0.2	
104235	<5		6		5		<0.2	
104236	<5		<5		<5		<0.2	
104237	<5		5		<5		<0.2	

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Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104238	<5	<5	<5	5	<5	<5	<0.2	<0.2
104239	<5		<5		<5		<0.2	
104240	<5		6		<5		<0.2	
104241	<5		<5		<5		<0.2	
104242	<5		<5		<5		<0.2	
104243	5		<5		<5		<0.2	
104244	<5		<5		<5		<0.2	
104245	<5		<5		<5		<0.2	
104246	<5		<5		<5		<0.2	
104247	7		5		<5		<0.2	
104248	8		<5		<5		<0.2	
104249	10		5		<5		<0.2	
104250	<5	<5	<5	<5	<5	<5	<0.2	<0.2
104251	<5		5		5		<0.2	
104252	7		11		7		<0.2	
104253	<5		5		<5		<0.2	
104254	<5		<5		<5		<0.2	
104255	<5		6		5		<0.2	

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Total number of samples : **78**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104178	189	200	1274	1273	71	77	21	23
104179	183		1255		55		22	
104180	139		1183		45		22	
104181	117		1192		41		26	
104182	121		1355		35		22	
104183	118		1220		34		21	
104184	107		1069		44		26	
104185	116		1267		36		24	
104186	108		1381		38		30	
104187	70		1764		38		35	
104188	80		1825		41		38	
104189	71		1729		44		35	
104190	65	63	1893	1865	33	33	30	26
104191	68		1645		39		29	
104192	75		2029		45		31	
104193	70		1968		40		30	
104194	68		2019		37		32	
104195	70		1921		41		33	
104196	64		1900		39		32	
104197	75		1886		48		32	

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Folder : **24492**

Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104198	70		1986		30		30	
104199	70		1570		26		34	
104200	74		35		21		31	
104201	65		1668		30		30	
104202	65	62	1662	1631	27	27	34	31
104203	63		1875		24		32	
104204	63		1902		23		31	
104205	58		1996		18		30	
104206	61		1943		20		32	
104207	58		1967		18		32	
104208	64		1906		20		32	
104209	62		2087		18		32	
104210	68		1860		19		35	
104211	70		2079		22		34	
104212	78		1708		34		36	
104213	71		1720		41		34	
104214	65	60	1862	1907	39	38	32	30
104215	83		1611		41		36	
104216	67		1694		40		36	
104217	69		1708		43		34	

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Total number of samples : **78**

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104218	66		1339			36		35	
104219	77		1510			52		36	
104220	67		1455			47		34	
104221	67		1384			42		33	
104222	98		1366			48		32	
104223	170		1307			49		30	
104224	188		1518			47		24	
104225	2531		----------	>DL		90		37	
104226	120	116	1234		1267	70	66	23	22
104227	201		992			111		23	
104228	733		766			767		34	
104229	60		731			148		24	
104230	55		746			141		21	
104231	64		929			118		21	
104232	105		997			62		20	
104233	148		1038			34		26	
104234	94		1310			41		31	
104235	89		1170			39		33	
104236	75		1136			32		33	
104237	58		1692			34		24	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**

Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104238	61	59	1561	1546	29	27	25	25
104239	57		1711		29		26	
104240	57		1815		29		26	
104241	53		1823		28		26	
104242	65		1705		35		24	
104243	73		1763		42		26	
104244	83		1697		27		25	
104245	91		1893		29		26	
104246	73		1761		27		25	
104247	65		1956		31		30	
104248	67		1361		29		29	
104249	67		1601		30		34	
104250	82	85	37	40	18	19	37	38
104251	55		1781		33		31	
104252	55		1713		31		29	
104253	64		1613		33		32	
104254	61		1360		32		31	
104255	89		788		27		28	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**
Your order number :
Project : **GCL-09-11**

Total number of samples : **78**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104178	92	93	
104179	88		
104180	83		
104181	87		
104182	94		
104183	81		
104184	83		
104185	84		
104186	90		
104187	94		
104188	91		
104189	85		
104190	90	86	
104191	69		
104192	84		
104193	82		
104194	88		
104195	79		
104196	78		
104197	75		

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**

Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104198	88		
104199	81		
104200	14		
104201	70		
104202	72	71	
104203	80		
104204	82		
104205	89		
104206	85		
104207	87		
104208	84		
104209	89		
104210	82		
104211	94		
104212	94		
104213	91		
104214	91	90	
104215	84		
104216	89		
104217	106		

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**

Your order number :

Project : **GCL-09-11**

Total number of samples : **78**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104218	98		
104219	87		
104220	92		
104221	87		
104222	97		
104223	89		
104224	87		
104225	218		1.350
104226	79	79	
104227	75		
104228	156		
104229	72		
104230	59		
104231	71		
104232	73		
104233	84		
104234	83		
104235	79		
104236	84		
104237	86		

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24492**
Your order number :
Project : **GCL-09-11**

Total number of samples : **78**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
104238	80	79	
104239	85		
104240	88		
104241	87		
104242	82		
104243	81		
104244	81		
104245	77		
104246	83		
104247	90		
104248	70		
104249	86		
104250	16	15	
104251	88		
104252	89		
104253	81		
104254	76		
104255	64		

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Date : 2009/07/10

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24775**
Your order number : **Langmuir**
Project : **GCL 07-20**

Total number of samples : **5**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104271	7	6	37	36	88	84	0.4	0.5
104272	9		17		31		<0.2	
104273	22		193		88		0.7	
104274	30		11		17		<0.2	
104275	<5		13		20		<0.2	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24775**

Your order number : **Langmuir**

Project : **GCL 07-20**

Total number of samples : **5**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2
104271	544	526	5877	27	29	25	23	102
104272	182		2032	26		22		73
104273	3073		5915	59		29		300
104274	133		1645	23		19		74
104275	147		1648	25		20		80

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24775**

Your order number : **Langmuir**

Project : **GCL 07-20**

Total number of samples : **5**

Designation	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010	Ni-Dup AAT-8 % 0.010
104271	101	0.600	0.610
104272			
104273		0.610	
104274			
104275			

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Date : 2009/07/10

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24777**
Your order number : **Langmuir**
Project : **GCL 08-55**

Total number of samples : **9**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
104276	7	6	14	13	11	10	0.4	0.4
104277	<5		30		25		0.5	
104278	<5		17		24		0.3	
104279	<5		26		24		0.4	
104280	38		10		7		0.3	
104281	14		11		8		0.6	
104282	8		9		10		0.4	
104283	11		11		9		0.4	
104284	<5		8		7		0.3	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24777**

Your order number : **Langmuir**

Project : **GCL 08-55**

Total number of samples : **9**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
104276	101	84	1276	1310	38	36	27	25
104277	74		1355		36		26	
104278	85		1401		40		29	
104279	77		1457		39		29	
104280	113		1161		40		29	
104281	106		1089		35		27	
104282	98		1299		37		25	
104283	98		1211		37		26	
104284	119		1065		38		25	

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **24777**
Your order number : **Langmuir**
Project : **GCL 08-55**

Total number of samples : **9**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2
104276	75	78
104277	73	
104278	77	
104279	76	
104280	75	
104281	70	
104282	76	
104283	79	
104284	75	

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Date : 2010/04/26

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**

Your order number :

Project : **LANGMUIR**

Total number of samples : **83**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136293	6	5	12	10	11	10	<0.2	<0.2
136294	9		14		9		<0.2	
136295	5		11		7		<0.2	
136296	8		11		7		<0.2	
136297	5		13		9		<0.2	
136298	<5		11		7		<0.2	
136299	6		16		10		<0.2	
136300	<5		<5		<5		<0.2	
136301	13		8		12		<0.2	
136302	<5		<5		<5		<0.2	
136303	5		<5		<5		<0.2	
136304	<5		<5		7		<0.2	
136305	<5	<5	<5	<5	7	6	<0.2	<0.2
136306	<5		5		7		<0.2	
136307	<5		6		8		<0.2	
136308	6		5		7		<0.2	
136309	<5		<5		<5		<0.2	
136310	<5		<5		<5		<0.2	
136311	<5		<5		5		<0.2	
136312	<5		11		14		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136313	18		76		78		0.8	
136314	<5		10		13		<0.2	
136315	<5		8		10		<0.2	
136316	<5		9		11		<0.2	
136317	<5	6	10	11	8	11	<0.2	<0.2
136318	<5		7		10		0.2	
136319	<5		13		15		<0.2	
136320	<5		10		10		<0.2	
136321	<5		8		11		<0.2	
136322	6		11		13		<0.2	
136323	<5		9		11		<0.2	
136324	<5		5		9		<0.2	
136325	<5		<5		9		<0.2	
136326	<5		6		11		<0.2	
136327	<5		5		8		<0.2	
136328	<5		7		10		<0.2	
136329	<5	<5	6	9	10	15	<0.2	<0.2
136330	<5		<5		<5		<0.2	
136331	<5		5		8		<0.2	
136332	<5		7		15		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**
Total number of samples : **83**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136333	6		<5		5		<0.2	
136334	<5		<5		8		<0.2	
136335	7		8		15		<0.2	
136336	8		<5		7		<0.2	
136337	8		7		12		<0.2	
136338	6		7		11		<0.2	
136339	8		7		14		<0.2	
136340	<5		<5		6		<0.2	
136341	<5	<5	5	5	8	8	<0.2	<0.2
136342	10		75		92		0.8	
136343	<5		<5		5		<0.2	
136344	<5		6		5		<0.2	
136345	<5		<5		<5		<0.2	
136346	5		<5		<5		<0.2	
136347	<5		<5		<5		<0.2	
136348	<5		8		15		<0.2	
136349	<5		<5		8		<0.2	
136350	<5		5		9		<0.2	
136351	<5		13		17		<0.2	
136352	5		5		6		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**

Your order number :

Project : **LANGMUIR**

Total number of samples : **83**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136353	<5	<5	5	<5	8	7	<0.2	<0.2
136354	<5		<5		<5		<0.2	
136355	<5		<5		11		<0.2	
136356	<5		6		12		<0.2	
136357	<5		13		16		<0.2	
136358	<5		14		18		<0.2	
136359	<5		7		8		<0.2	
136360	<5		<5		5		<0.2	
136361	<5		5		8		<0.2	
136362	<5		<5		6		<0.2	
136363	<5		<5		5		<0.2	
136364	<5		<5		<5		<0.2	
136365	<5	<5	<5	<5	5	5	<0.2	<0.2
136366	<5		<5		7		<0.2	
136367	<5		5		6		0.2	
136368	<5		<5		<5		<0.2	
136369	5		132		269		0.5	
136370	<5		<5		<5		<0.2	
136371	<5		<5		<5		<0.2	
136372	<5		<5		<5		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**

Your order number :

Project : **LANGMUIR**

Total number of samples : **83**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136373	23		64		90		0.7	
136374	<5		<5		<5		0.2	
136375	<5		6		9		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**

Your order number :

Project : **LANGMUIR**

Total number of samples : **83**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136293	190	171	28	26	85	81	13	13
136294	98		652		42		16	
136295	104		712		39		16	
136296	86		911		59		20	
136297	95		800		42		17	
136298	95		806		45		16	
136299	90		334		44		13	
136300	15		20		7		5	
136301	48		209		46		9	
136302	145		92		56		10	
136303	94		87		48		14	
136304	66		706		44		11	
136305	94	102	784	791	50	43	12	12
136306	103		792		49		14	
136307	74		656		48		14	
136308	78		701		49		17	
136309	83		930		37		13	
136310	65		767		27		10	
136311	67		898		29		11	
136312	56		232		116		14	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136313	1920		---------- >DL		90		51	
136314	65		341		78		17	
136315	133		383		56		18	
136316	128		756		51		17	
136317	128	133	819	904	45	47	16	18
136318	181		958		44		19	
136319	196		297		43		19	
136320	83		344		49		22	
136321	71		547		52		16	
136322	56		299		53		17	
136323	61		379		45		15	
136324	138		858		42		16	
136325	95		841		39		17	
136326	82		798		39		16	
136327	82		374		33		13	
136328	87		313		34		15	
136329	99	111	740	741	37	39	20	22
136330	2		20		8		2	
136331	95		791		41		19	
136332	140		967		40		23	

>DL Value greater than detection limit

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Date : 2010/04/26

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136333	136		601		33		22	
136334	131		902		41		24	
136335	118		1015		36		22	
136336	106		912		35		23	
136337	96		1040		38		22	
136338	101		954		34		23	
136339	103		1051		35		21	
136340	111		1016		36		20	
136341	104	90	1007	1016	34	36	27	22
136342	2642		---------- >DL		82		26	
136343	80		1199		33		20	
136344	81		1094		31		20	
136345	83		1171		31		19	
136346	69		1134		32		18	
136347	80		979		31		21	
136348	110		991		34		24	
136349	90		1061		33		22	
136350	119		1145		36		23	
136351	95		1071		32		21	
136352	128		997		32		23	

>DL Value greater than detection limit

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136353	100	88	1049	1030	34	35	21	20
136354	5		20		3		<2	
136355	97		1140		36		22	
136356	99		1136		36		22	
136357	140		1206		37		24	
136358	100		1142		37		22	
136359	113		912		37		22	
136360	105		875		40		22	
136361	112		852		42		23	
136362	111		873		45		23	
136363	91		618		29		18	
136364	95		691		33		18	
136365	100	99	507	510	42	39	19	19
136366	85		523		45		16	
136367	99		528		53		15	
136368	185		734		86		15	
136369	622		6590		127		21	
136370	174		1066		58		16	
136371	111		1083		23		19	
136372	110		1062		21		19	

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**

Your order number :

Project : **LANGMUIR**

Total number of samples : **83**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136373	2621		---------- >DL		83		29	
136374	100		863		23		19	
136375	138		555		62		20	

>DL Value greater than detection limit

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
136293	33	32	
136294	63		
136295	69		
136296	78		
136297	76		
136298	72		
136299	76		
136300	3		
136301	46		
136302	42		
136303	45		
136304	68		
136305	69	78	
136306	66		
136307	68		
136308	78		
136309	77		
136310	58		
136311	67		
136312	66		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
136313	364		2.080
136314	58		
136315	67		
136316	78		
136317	73	83	
136318	92		
136319	69		
136320	62		
136321	61		
136322	52		
136323	54		
136324	74		
136325	68		
136326	67		
136327	53		
136328	52		
136329	74	77	
136330	3		
136331	75		
136332	92		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
136333	63		
136334	84		
136335	80		
136336	75		
136337	84		
136338	78		
136339	77		
136340	78		
136341	80	84	
136342	289		1.200
136343	87		
136344	85		
136345	88		
136346	90		
136347	78		
136348	88		
136349	78		
136350	88		
136351	83		
136352	83		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26598**

Your order number :

Project : **LANGMUIR**

Total number of samples : **83**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
136353	95	96	
136354	2		
136355	93		
136356	96		
136357	99		
136358	93		
136359	78		
136360	78		
136361	82		
136362	76		
136363	63		
136364	64		
136365	56	56	
136366	56		
136367	58		
136368	61		
136369	153		0.660
136370	64		
136371	84		
136372	77		

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Client : **Golden Chalice Resources**

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Folder : **26598**
Your order number :
Project : **LANGMUIR**

Total number of samples : **83**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
136373	280		1.190
136374	65		
136375	81		

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Date : 2010/04/26

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**
Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146001	5	6	9	9	9	10	<0.2	<0.2
146002	8		<5		8		<0.2	
146003	<5		<5		<5		<0.2	
146004	5		12		8		<0.2	
146005	<5		9		8		<0.2	
146006	<5		10		7		<0.2	
146007	<5		9		7		<0.2	
146008	<5		8		7		<0.2	
146009	<5		7		9		<0.2	
146010	<5		5		7		<0.2	
146011	<5		<5		<5		<0.2	
146012	20		<5		6		<0.2	
146013	<5	<5	<5	5	7	7	<0.2	<0.2
146014	12		6		7		<0.2	
146015	<5		<5		6		<0.2	
146016	<5		6		9		<0.2	
146017	18		66		96		0.8	
146018	20		7		9		<0.2	
146019	<5		7		8		0.3	
146020	6		6		7		<0.2	

Joe Landers, Manager

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Folder : **26599**
Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146021	11		12		7		<0.2	
146022	<5		6		7		<0.2	
146023	<5		<5		7		<0.2	
146024	<5		<5		7		<0.2	
146025	<5	<5	<5	5	7	8	<0.2	<0.2
146026	<5		6		8		<0.2	
146027	<5		<5		6		<0.2	
146028	<5		<5		5		<0.2	
146029	6		52		84		<0.2	
146030	<5		<5		5		<0.2	
146031	<5		<5		<5		<0.2	
146032	<5		<5		5		<0.2	
146033	<5		6		6		<0.2	
146034	<5		<5		5		<0.2	
146035	<5		<5		5		<0.2	
146036	<5		<5		<5		<0.2	
146037	5	7	<5	<5	<5	<5	<0.2	<0.2
146038	15		178		90		0.9	
146039	<5		<5		<5		0.4	
146040	<5		<5		<5		<0.2	

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Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146041	<5		<5		<5		<0.2	
146042	<5		<5		<5		<0.2	
146043	9		5		7		<0.2	
146044	<5		7		11		<0.2	
146045	<5		<5		8		<0.2	
146046	8		<5		12		<0.2	
146047	<5		<5		9		<0.2	
146048	7		<5		13		<0.2	
146049	<5	<5	9	12	16	18	<0.2	<0.2
146050	8		<5		10		<0.2	
146101	5		<5		16		<0.2	
146102	<5		<5		<5		<0.2	
146103	<5		5		15		<0.2	
146104	<5		<5		5		<0.2	
146105	<5		6		15		<0.2	
146106	6		<5		7		<0.2	
146107	23		<5		9		<0.2	
146108	10		37		117		0.5	
146109	148		70		690		0.6	
146110	8		<5		5		<0.2	

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Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146111	12	11	13	14	14	17	<0.2	<0.2
146112	8		14		13		<0.2	
146113	<5		7		11		<0.2	
146114	<5		11		12		<0.2	
146115	7		<5		5		<0.2	
146116	<5		7		10		<0.2	
146117	<5		<5		5		<0.2	
146118	6		<5		<5		<0.2	
146119	48		<5		<5		<0.2	
146120	14		80		76		0.9	
146121	80		<5		<5		<0.2	
146122	<5		<5		<5		<0.2	
146123	8	6	5	5	8	7	<0.2	<0.2
146124	62		16		6		<0.2	
146125	6		<5		6		<0.2	
146126	5		<5		5		<0.2	
146127	<5		<5		<5		<0.2	
146128	<5		<5		<5		<0.2	
146129	<5		<5		<5		<0.2	
146130	<5		5		11		<0.2	

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Date : 2010/04/26

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**

Your order number :

Project : **LANGMUIR**

Total number of samples : **86**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146131	<5		<5		<5		<0.2	
146132	<5		<5		<5		<0.2	
146133	<5		<5		<5		<0.2	
146134	5		<5		<5		0.6	
146135	8	5	5	<5	<5	<5	<0.2	<0.2
146136	5		<5		<5		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**

Your order number :

Project : **LANGMUIR**

Total number of samples : **86**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146001	121	104	584	531	12	14	34	35
146002	93		807		21		25	
146003	68		758		22		32	
146004	70		719		20		24	
146005	86		703		24		28	
146006	72		739		22		28	
146007	96		864		27		29	
146008	93		837		29		32	
146009	99		719		27		31	
146010	86		841		24		29	
146011	12		53		2		4	
146012	110		809		25		31	
146013	100	114	888	905	26	19	32	40
146014	128		859		26		34	
146015	95		899		26		30	
146016	90		579		25		26	
146017	2582		---------- >DL		71		42	
146018	92		658		31		31	
146019	102		847		32		34	
146020	114		839		33		33	

>DL Value greater than detection limit

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Date : 2010/04/26

Client : **Golden Chalice Resources**

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Folder : **26599**
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Total number of samples : **86**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146021	95		917		29		34	
146022	84		869		29		28	
146023	108		862		29		32	
146024	103		813		25		32	
146025	137	126	717	720	25	21	35	36
146026	110		772		86		36	
146027	108		959		59		26	
146028	188		908		187		32	
146029	139		1296		67		34	
146030	111		1175		26		21	
146031	99		1167		25		28	
146032	96		596		74		24	
146033	167		672		98		32	
146034	117		707		35		20	
146035	83		855		21		16	
146036	89		1187		21		27	
146037	122	129	1287	1228	25	24	44	37
146038	3041		6160		56		40	
146039	91		1318		25		34	
146040	78		1015		18		25	

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Addressee : **Kevin Montgomery**

Folder : **26599**

Your order number :

Project : **LANGMUIR**

Total number of samples : **86**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146041	88		1302		25		32	
146042	94		1097		28		28	
146043	130		862		31		25	
146044	108		363		56		33	
146045	106		676		121		29	
146046	275		823		384		37	
146047	120		730		64		25	
146048	122		745		32		24	
146049	160	172	900	908	27	22	27	25
146050	115		824		24		26	
146101	134		1058		29		28	
146102	18		61		5		5	
146103	116		1185		36		31	
146104	77		1148		32		27	
146105	128		1270		38		30	
146106	112		1140		35		28	
146107	113		934		46		28	
146108	602		5910		27		24	
146109	647		6750		36		36	
146110	91		986		19		20	

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Project : **LANGMUIR**

Total number of samples : **86**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146111	199	194	316	302	51	49	23	20
146112	114		291		49		30	
146113	74		245		35		22	
146114	69		371		48		29	
146115	131		580		20		20	
146116	165		442		50		29	
146117	96		651		24		21	
146118	103		950		37		30	
146119	105		1078		39		29	
146120	1924		---------- >DL		91		54	
146121	91		981		37		24	
146122	100		849		27		23	
146123	88	94	454	466	78	83	16	23
146124	90		587		53		23	
146125	71		771		26		15	
146126	68		887		21		18	
146127	66		855		13		15	
146128	56		1200		9		14	
146129	99		1244		19		16	
146130	66		363		42		16	

>DL Value greater than detection limit

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Folder : **26599**

Your order number :

Project : **LANGMUIR**

Total number of samples : **86**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146131	87		734		19		17	
146132	83		845		11		16	
146133	80		814		17		23	
146134	88		793		23		32	
146135	82	90	785	810	17	20	19	19
146136	83		748		15		21	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**
Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146001	40	38	
146002	51		
146003	53		
146004	51		
146005	56		
146006	59		
146007	60		
146008	60		
146009	59		
146010	59		
146011	3		
146012	57		
146013	57	50	
146014	60		
146015	57		
146016	51		
146017	289		1.210
146018	57		
146019	64		
146020	60		

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**
Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146021	58		
146022	58		
146023	58		
146024	57		
146025	52	47	
146026	53		
146027	59		
146028	59		
146029	74		
146030	60		
146031	60		
146032	49		
146033	67		
146034	52		
146035	55		
146036	60		
146037	68	65	
146038	269		0.620
146039	69		
146040	50		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**
Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146041	62		
146042	63		
146043	60		
146044	55		
146045	58		
146046	68		
146047	53		
146048	56		
146049	60	55	
146050	57		
146101	67		
146102	4		
146103	74		
146104	59		
146105	69		
146106	68		
146107	63		
146108	84		0.590
146109	102		0.680
146110	58		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**
Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146111	48	42	
146112	48		
146113	45		
146114	50		
146115	53		
146116	62		
146117	51		
146118	72		
146119	74		
146120	364		2.070
146121	72		
146122	61		
146123	41	48	
146124	53		
146125	53		
146126	61		
146127	55		
146128	58		
146129	64		
146130	42		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26599**
Your order number :
Project : **LANGMUIR**

Total number of samples : **86**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146131	55		
146132	52		
146133	54		
146134	57		
146135	58	60	
146136	53		

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Date : 2010/05/13

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26721**

Your order number :

Project : **LANGMUIR**

Total number of samples : **45**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146137	8	8	13	9	9	5	0.4	0.5
146138	12		9		8		<0.2	
146139	6		14		10		<0.2	
146140	6		12		9		<0.2	
146141	12		12		8		<0.2	
146142	13		7		<5		<0.2	
146143	12		12		9		<0.2	
146144	5		<5		<5		0.2	
146145	11		<5		<5		<0.2	
146146	16		10		5		0.2	
146147	7		14		7		<0.2	
146148	5		11		8		<0.2	
146149	11	9	11	10	8	7	<0.2	<0.2
146150	22		206		93		0.7	
146151	13		7		11		<0.2	
146152	9		9		9		<0.2	
146153	<5		8		9		<0.2	
146154	5		9		9		<0.2	
146155	44		8		9		<0.2	
146156	6		8		8		0.3	

Joe Landers, Manager

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26721**
Your order number :
Project : **LANGMUIR**

Total number of samples : **45**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146157	7		<5		6		<0.2	
146158	6		7		7		<0.2	
146159	7		5		6		<0.2	
146160	20		7		6		<0.2	
146161	48	45	11	13	6	9	<0.2	<0.2
146162	6		7		7		<0.2	
146163	42		7		8		<0.2	
146164	6		9		7		<0.2	
146165	14		8		11		<0.2	
146166	6		23		43		0.2	
146167	9		39		121		0.3	
146168	8		9		11		0.2	
146169	8		6		5		0.2	
146170	<5		<5		<5		<0.2	
146171	6		9		11		<0.2	
146172	17		10		11		<0.2	
146173	7	8	6	7	8	6	0.2	0.2
146174	7		<5		5		<0.2	
146175	5		<5		<5		<0.2	
146176	19		12		40		0.2	

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Date : 2010/05/13

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26721**

Your order number :

Project : **LANGMUIR**

Total number of samples : **45**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
146177	11		11		9		<0.2	
146178	10		8		6		<0.2	
146179	5		10		6		0.2	
146180	8		9		6		<0.2	
146181	5		<5		<5		<0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26721**
Your order number :
Project : **LANGMUIR**

Total number of samples : **45**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146137	105	103	950	936	45	42	25	24
146138	110		1148		45		28	
146139	103		769		37		25	
146140	123		1155		37		27	
146141	112		1063		39		26	
146142	96		517		27		27	
146143	115		975		36		25	
146144	157		65		50		14	
146145	194		60		61		14	
146146	102		1017		63		19	
146147	109		1156		58		18	
146148	126		915		78		22	
146149	119	117	640	627	84	83	23	21
146150	2964		5750		59		33	
146151	122		972		93		22	
146152	103		820		75		22	
146153	109		728		70		27	
146154	113		741		51		22	
146155	127		1163		40		20	
146156	128		1138		38		20	

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Client : **Golden Chalice Resources**

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Folder : **26721**

Your order number :

Project : **LANGMUIR**

Total number of samples : **45**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146157	98		1133		25		16	
146158	97		1083		21		18	
146159	94		1297		27		22	
146160	96		1225		32		25	
146161	97	98	1189	1160	28	29	23	22
146162	70		602		20		11	
146163	162		1294		37		20	
146164	179		1083		48		19	
146165	142		949		33		27	
146166	201		2061		24		25	
146167	355		2299		27		26	
146168	178		1217		22		26	
146169	80		1378		27		21	
146170	19		15		5		<2	
146171	81		950		28		22	
146172	133		375		45		21	
146173	125	116	606	578	34	32	20	19
146174	113		737		32		20	
146175	124		792		40		25	
146176	181		1931		41		27	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26721**

Your order number :

Project : **LANGMUIR**

Total number of samples : **45**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
146177	130		556		41		23	
146178	107		484		31		15	
146179	129		630		22		14	
146180	155		702		32		16	
146181	86		153		35		20	

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Folder : **26721**

Your order number :

Project : **LANGMUIR**

Total number of samples : **45**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146137	70	69	
146138	81		
146139	69		
146140	80		
146141	79		
146142	55		
146143	77		
146144	34		
146145	33		
146146	68		
146147	74		
146148	82		
146149	68	69	
146150	305		0.590
146151	79		
146152	69		
146153	69		
146154	74		
146155	76		
146156	78		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26721**
Your order number :
Project : **LANGMUIR**

Total number of samples : **45**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146157	74		
146158	69		
146159	77		
146160	81		
146161	79	76	
146162	45		
146163	83		
146164	72		
146165	82		
146166	89		
146167	99		
146168	71		
146169	80		
146170	5		
146171	65		
146172	59		
146173	60	58	
146174	65		
146175	68		
146176	101		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26721**
Your order number :
Project : **LANGMUIR**

Total number of samples : **45**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010
146177	58		
146178	49		
146179	51		
146180	59		
146181	24		

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**
Your order number :
Project : **LANGMUIR**
Total number of samples : **57**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136376	9	10	8	7	6	6	0.2	<0.2
136377	<5		7		5		1.2	
136378	5		5		<5		0.5	
136379	<5		5		<5		0.6	
136380	10		7		<5		0.8	
136381	10		6		5		0.3	
136382	15		14		7		0.4	
136383	57		6		<5		0.4	
136384	7		9		<5		0.3	
136385	39		7		5		0.4	
136386	32		10		<5		0.3	
136387	<5		<5		<5		<0.2	
136388	26	28	7	9	<5	5	0.3	0.2
136389	8		9		<5		0.3	
136390	5		<5		<5		0.5	
136391	7		9		5		0.3	
136392	<5		11		5		0.7	
136393	8		9		6		0.3	
136394	8		10		7		<0.2	
136395	19		10		7		<0.2	

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**
Your order number :
Project : **LANGMUIR**

Total number of samples : **57**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136396	10		7		7		<0.2	
136397	7		13		7		<0.2	
136398	19		12		8		0.2	
136399	<5		10		7		0.3	
136400	8	10	18	15	12	13	<0.2	0.2
136401	11		10		5		0.4	
136402	8		10		6		0.2	
136403	31		112		115		0.9	
136404	5		14		6		0.3	
136405	8		14		7		0.4	
136406	9		11		6		<0.2	
136407	19		13		8		0.2	
136408	38		18		8		0.5	
136409	30		13		6		0.3	
136410	169		14		8		0.7	
136411	72		7		<5		0.8	
136412	18	16	12	10	5	5	0.8	0.8
136413	6		11		<5		0.4	
136414	9		14		12		0.3	
136415	<5		9		6		0.4	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**

Your order number :

Project : **LANGMUIR**

Total number of samples : **57**

Designation	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2
136416	<5		14		9		0.4	
136417	20		10		13		0.4	
136418	9		8		9		<0.2	
136419	<5		<5		<5		<0.2	
136420	5		13		9		0.2	
136421	6		7		<5		0.2	
136422	5		10		7		<0.2	
136423	<5		<5		<5		<0.2	
136424	6	5	<5	<5	<5	<5	<0.2	0.2
136425	8		7		5		0.3	
136426	5		<5		<5		0.2	
136427	14		5		<5		0.2	
136428	<5		<5		<5		0.2	
136429	<5		6		10		0.2	
136430	8		7		6		0.2	
136431	<5		<5		<5		<0.2	
136432	7		5		<5		0.2	

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**
Your order number :
Project : **LANGMUIR**

Total number of samples : **57**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136376	182	176	996	945	25	25	26	24
136377	109		936		25		27	
136378	80		1263		31		32	
136379	84		1280		32		31	
136380	82		1351		32		32	
136381	102		1187		30		31	
136382	91		1264		30		30	
136383	89		1267		32		32	
136384	85		1322		31		31	
136385	89		1260		30		31	
136386	110		1189		31		32	
136387	18		12		11		<2	
136388	106	106	1204	1162	31	33	33	32
136389	98		1196		28		31	
136390	84		1174		26		27	
136391	94		1196		30		28	
136392	108		1209		38		29	
136393	129		1055		36		26	
136394	135		769		39		24	
136395	111		717		42		20	

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Date : 2010/05/20

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**
Your order number :
Project : **LANGMUIR**

Total number of samples : **57**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136396	119		718		51		22	
136397	69		724		59		21	
136398	62		699		79		24	
136399	100		713		73		22	
136400	76	79	539	503	76	73	23	24
136401	86		1333		74		26	
136402	90		1357		84		23	
136403	1952		---------- >DL		86		55	
136404	99		1240		113		24	
136405	100		1065		141		33	
136406	114		990		161		26	
136407	147		880		211		37	
136408	205		1062		856		41	
136409	202		1009		2410		108	
136410	349		1096		5284		85	
136411	391		616		873		82	
136412	209	212	979	965	665	661	52	49
136413	193		581		331		37	
136414	214		718		125		32	
136415	192		712		88		35	

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**
Your order number :
Project : **LANGMUIR**

Total number of samples : **57**

Designation	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2
136416	140		778		68		27	
136417	126		695		51		24	
136418	147		505		51		36	
136419	11		18		4		<2	
136420	81		708		44		19	
136421	101		1044		50		23	
136422	93		1373		35		22	
136423	91		1278		37		27	
136424	96	103	1291	1336	43	44	30	31
136425	84		1380		42		32	
136426	93		1381		42		31	
136427	90		1280		40		31	
136428	98		1307		45		33	
136429	77		1435		40		33	
136430	94		1508		45		35	
136431	73		1208		39		31	
136432	91		1405		40		31	

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**
Your order number :
Project : **LANGMUIR**

Total number of samples : **57**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010	Zn AAT-8 % 0.010
136376	71	70		
136377	70			
136378	86			
136379	84			
136380	92			
136381	86			
136382	92			
136383	86			
136384	91			
136385	87			
136386	83			
136387	5			
136388	89	83		
136389	88			
136390	84			
136391	85			
136392	86			
136393	70			
136394	63			
136395	63			

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

Folder : **26722**
Your order number :
Project : **LANGMUIR**

Total number of samples : **57**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010	Zn AAT-8 % 0.010
136396	66			
136397	69			
136398	71			
136399	69			
136400	68	63		
136401	84			
136402	86			
136403	313		1.890	
136404	85			
136405	77			
136406	62			
136407	67			
136408	83			
136409	108			
136410	151			0.530
136411	152			
136412	126	124		
136413	88			
136414	67			
136415	76			

Laboratoire Expert Inc.

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Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2010/05/20

Client : **Golden Chalice Resources**

Addressee : **Kevin Montgomery**

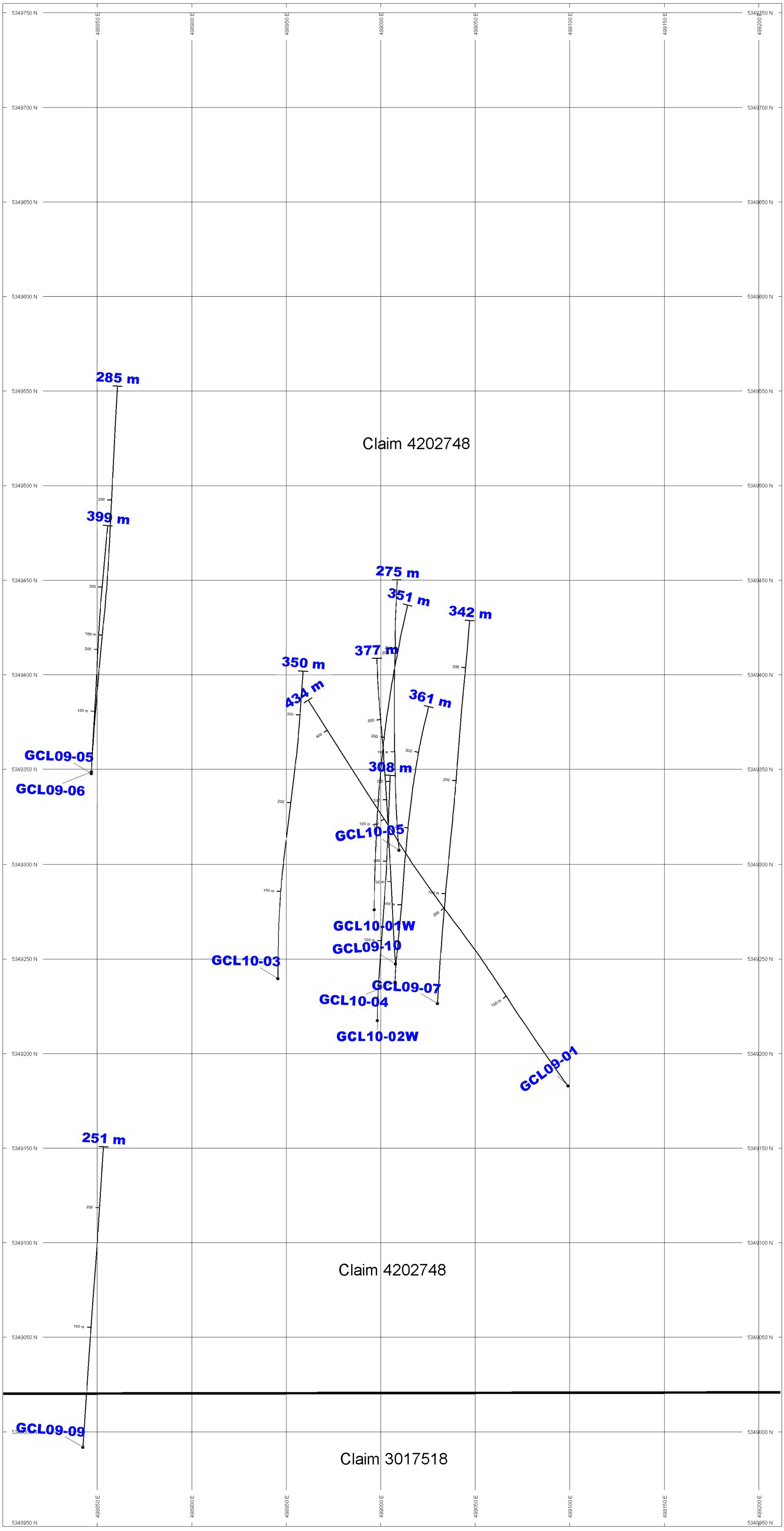
Folder : **26722**

Your order number :

Project : **LANGMUIR**

Total number of samples : **57**

Designation	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Ni AAT-8 % 0.010	Zn AAT-8 % 0.010
136416	71			
136417	72			
136418	75			
136419	3			
136420	75			
136421	84			
136422	84			
136423	88			
136424	98	95		
136425	98			
136426	89			
136427	84			
136428	100			
136429	85			
136430	90			
136431	77			
136432	85			



HOLES PLOTTED

TOTAL 11

GCL09-01	GCL09-05	GCL09-06	GCL09-07
GCL09-09	GCL09-10	GCL10-01W	GCL10-02W
GCL10-03	GCL10-04	GCL10-05	

ROGUE RESOURCES INC.

PLAN SPECS:

REF. PT. E, N	498800 m	5349000 m
EXTENTS	412.3 m	805 m

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

N W E S

Rogue Resources

Langmuir Property

W2 Drill Hole Plan

Jan 23, 2011

499400 E
499500 E
499600 E
499700 E
499800 E
499900 E
500000 E
500100 E
500200 E
500300 E

5348800 N
5348700 N
5348600 N
5348500 N
5348400 N
5348300 N
5348200 N
5348100 N
5348000 N

402 m
252 m
GCL09-04
GCL09-03

Claim No. 3017518

351 m
GCL09-02

Claim No. 3017518

HOLES PLOTTED

TOTAL 3

GCL09-02 GCL09-03 GCL09-04

ROGUE RESOURCES INC.

PLAN SPECS:

REF PT E, N	499400 m	5348000 m
EXTENTS	959 m	817.1 m

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

N

W E

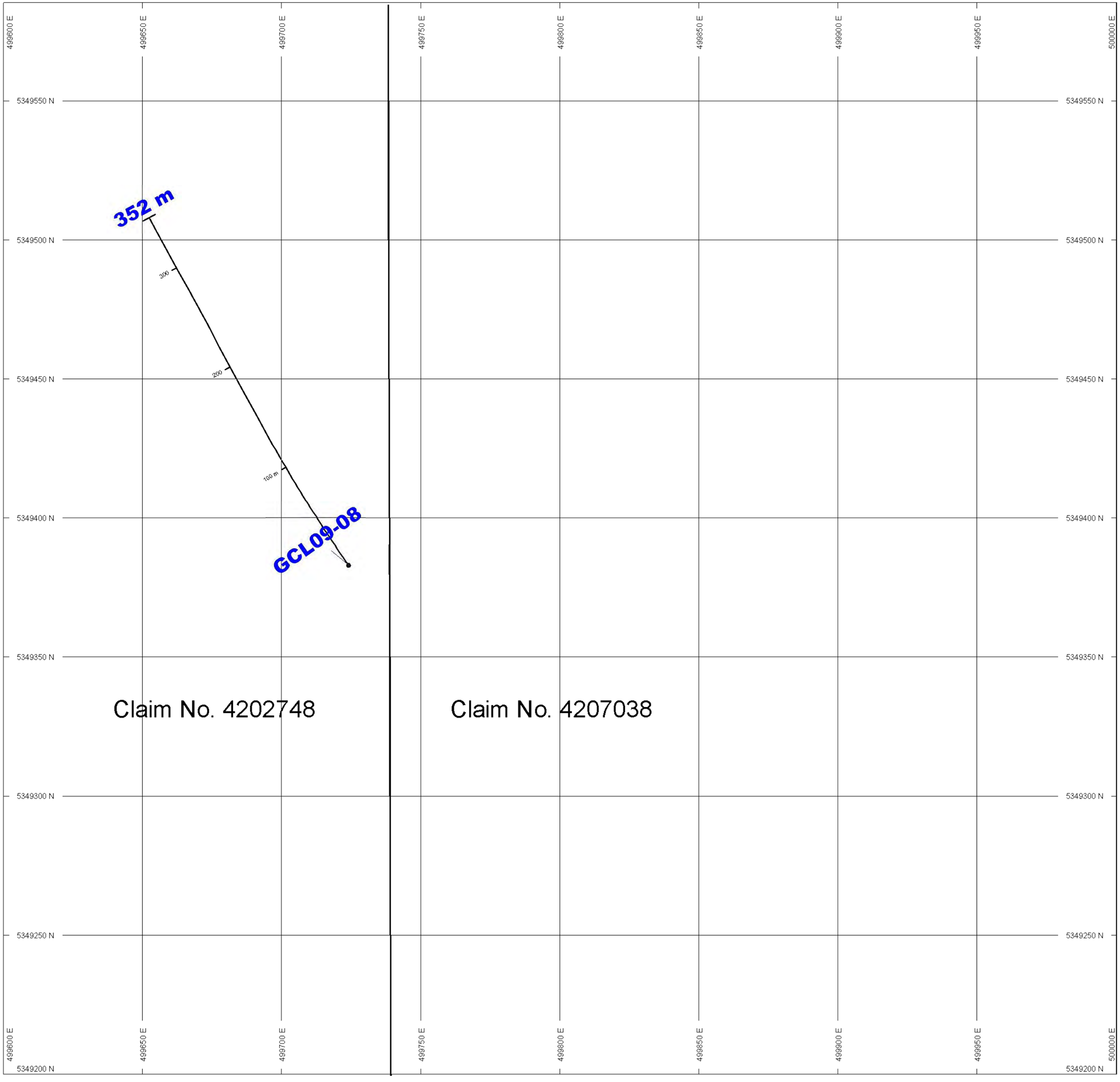
S

Rogue Resources

Langmuir Property

W6 Drill Hole Plan

Jan 23, 2011



HOLES PLOTTED

TOTAL 1

GCL09-08

ROGUE RESOURCES INC.

PLAN SPECS:

REF. PT. E, N	499600 m	5349000 m
EXTENTS	400.2 m	385.3 m

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

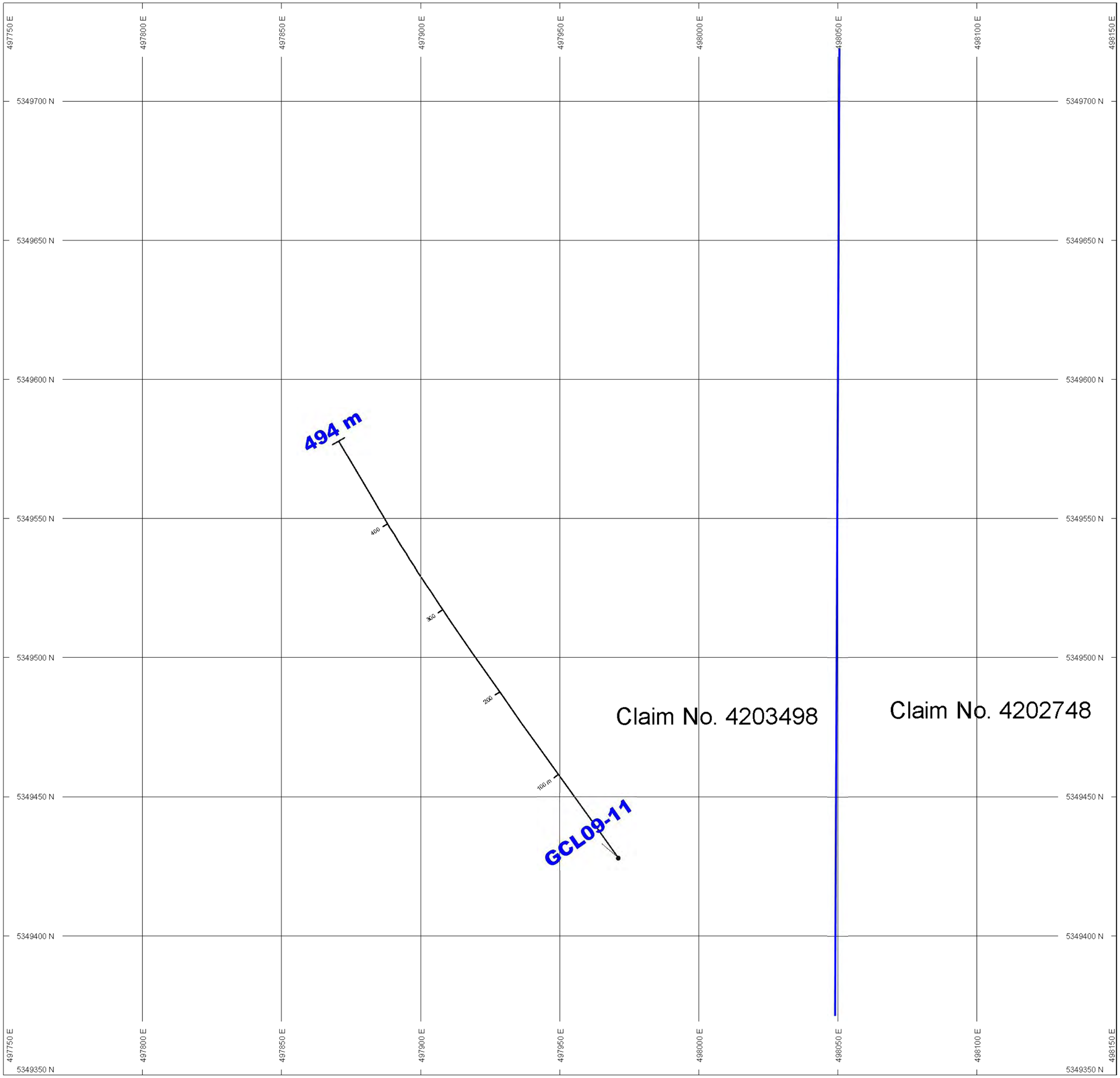
N W E S

Rogue Resources

Langmuir Property

W1 DDH GCL08-08 Plan

Jan 23, 2011



HOLES PLOTTED

TOTAL 1

GCL09-11

ROGUE RESOURCES INC.

PLAN SPECS:

REF. PT. E, N	497800 m	5349000 m
EXTENTS	400.2 m	385.3 m

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

N

W E

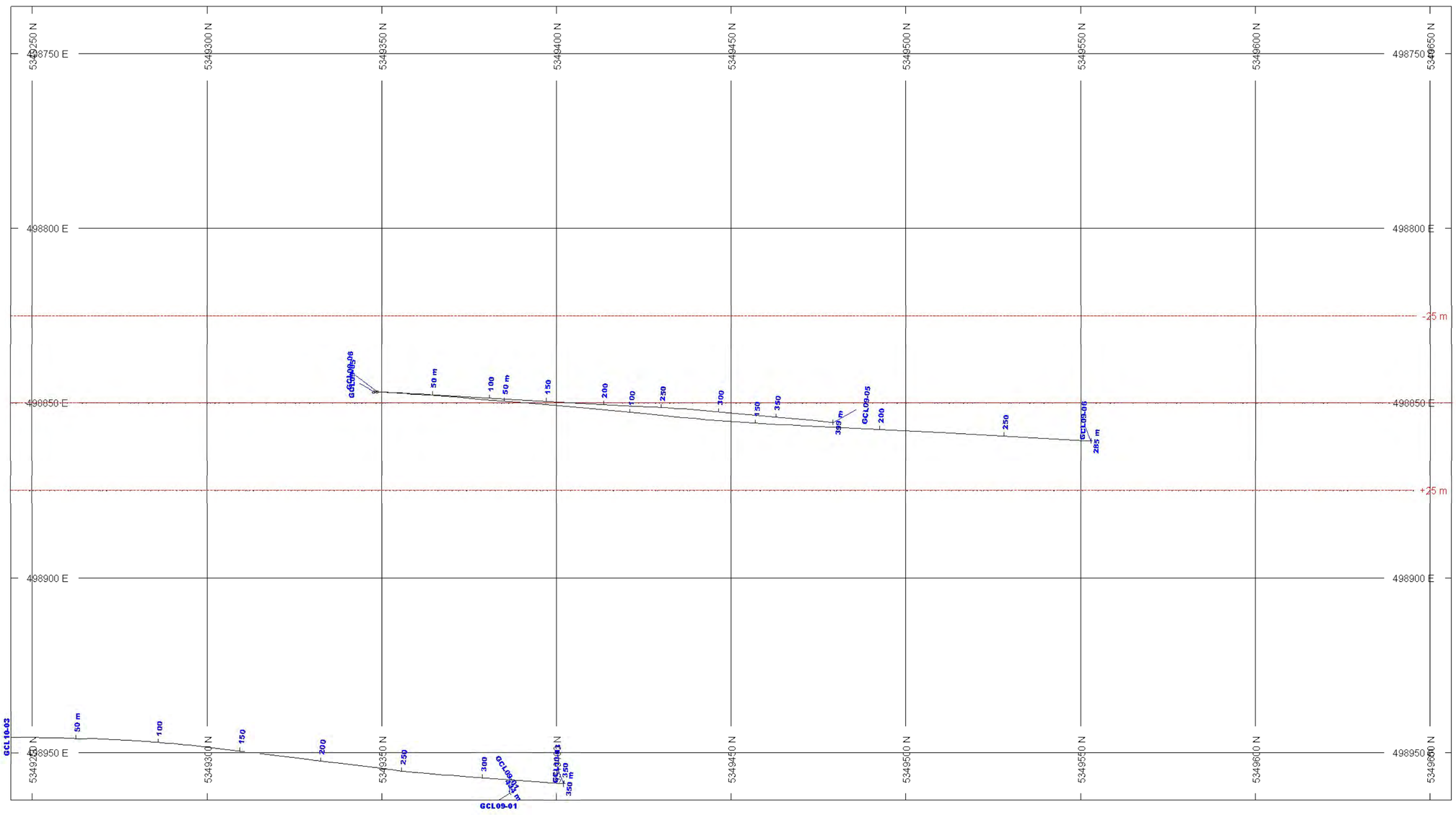
S

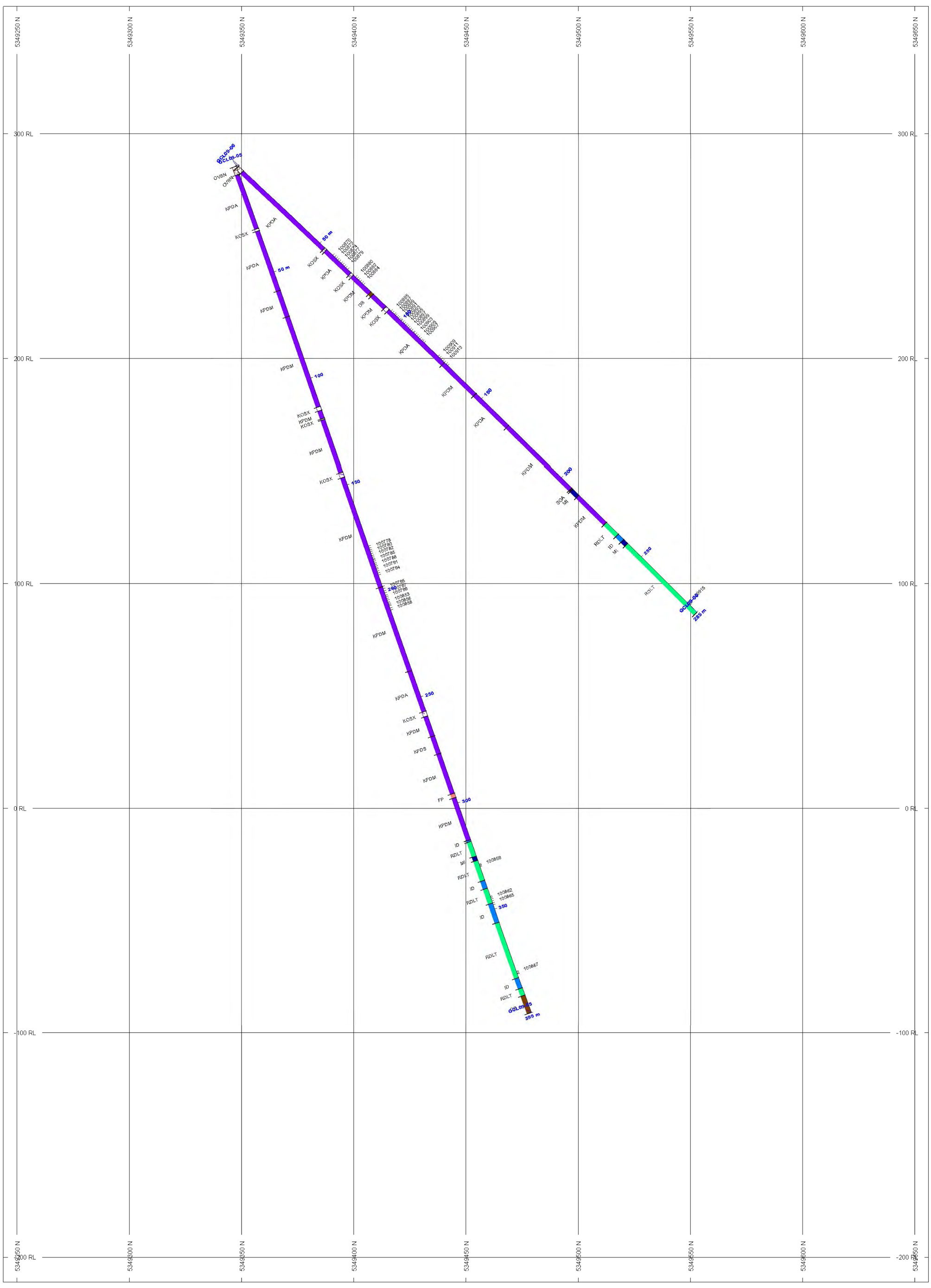
Rogue Resources

Langmuir Property

W3 DDH GCL08-11 Plan

Jan 23, 2011





ROGUE RESOURCES INC.

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		DB	diabase
		FP	feldspar porphyry
		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		KPDS	komatiitic peridotite sheared
		MI	mafic intrusive (undifferentiated)
		OVBN	overburden
		RDLT	rhyodacite lapilli tuff
		SGA	graphitic argillite

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	498850 m	5349450 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

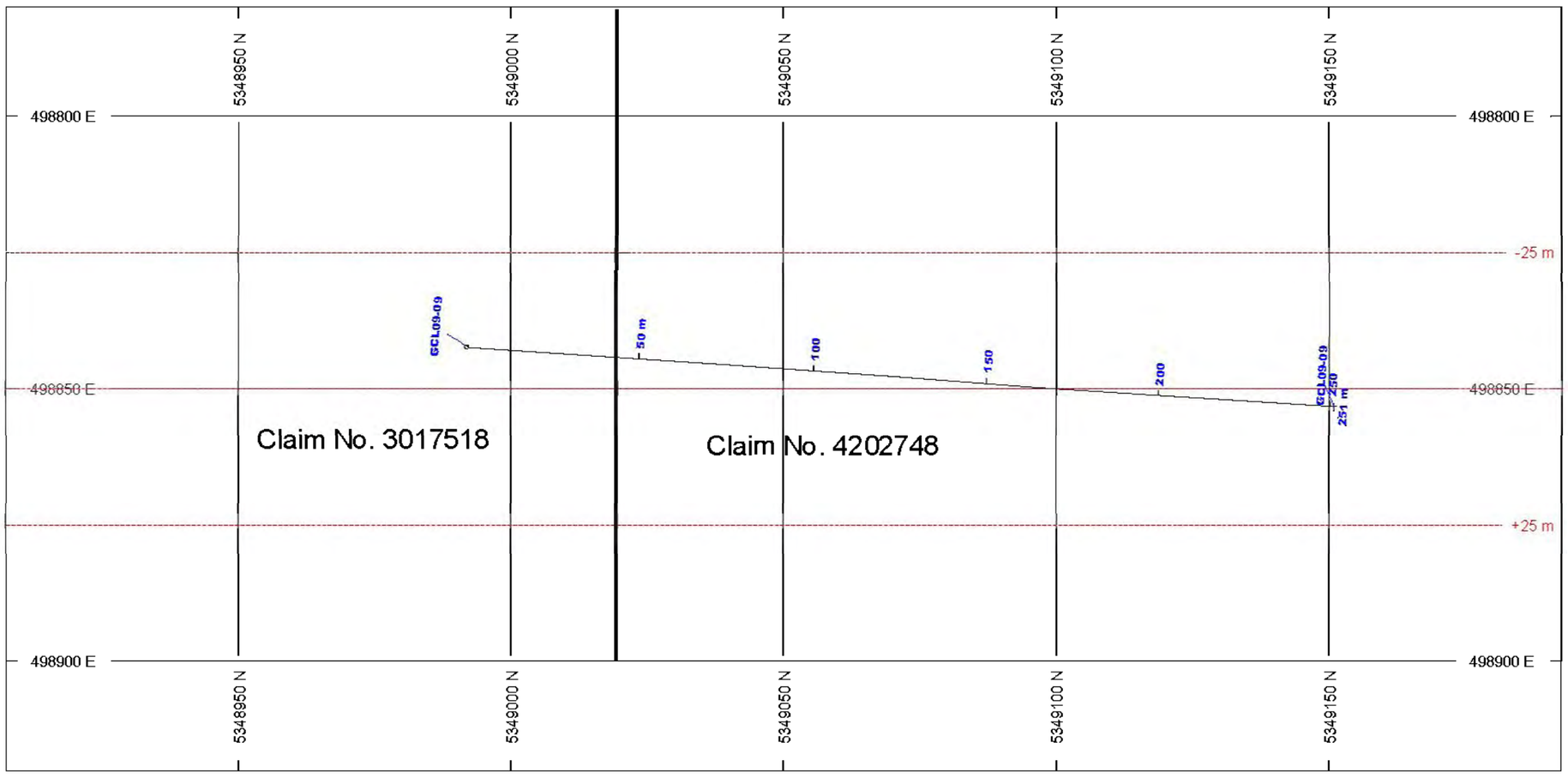
N W E S

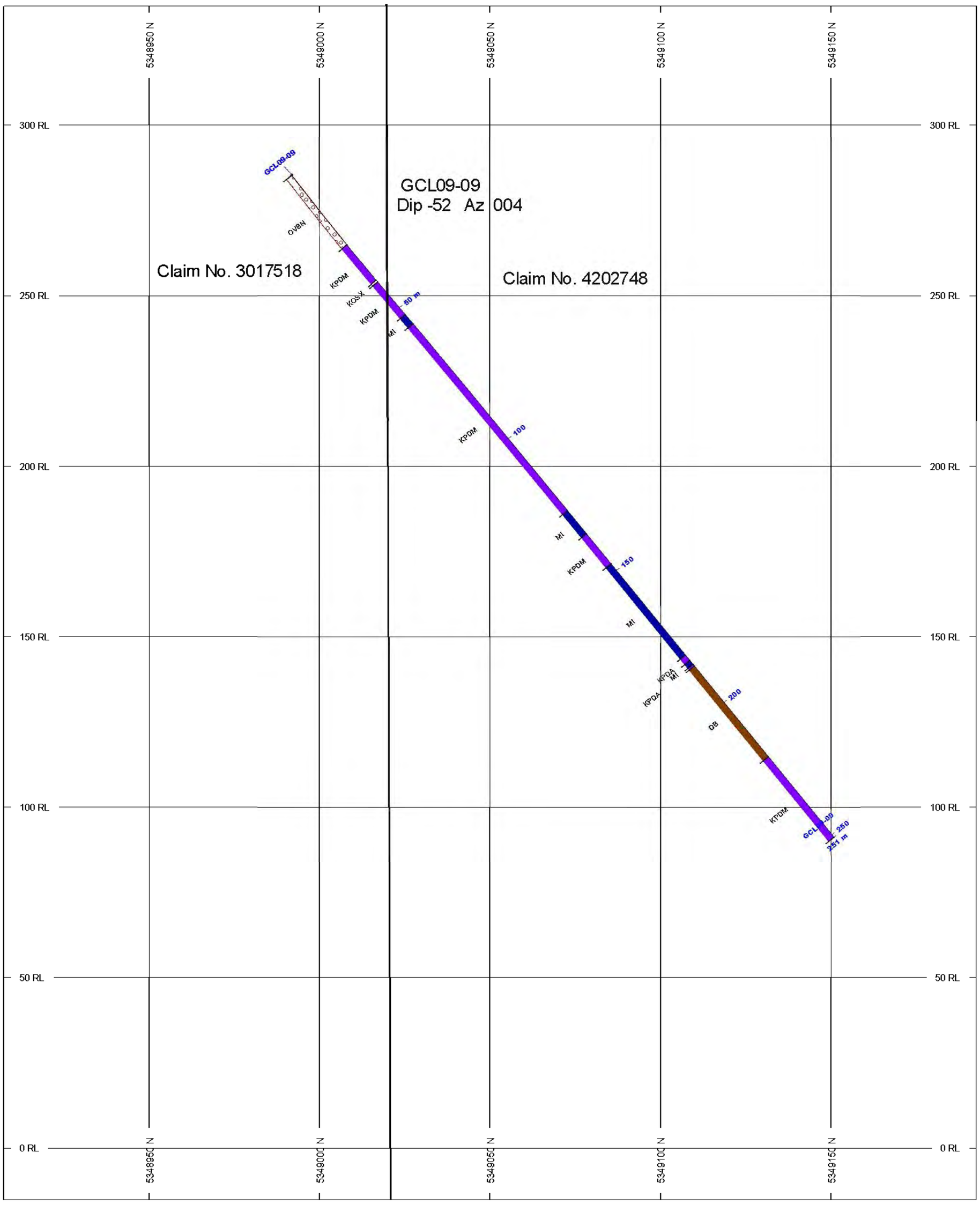
Rogue Resources

Langmuir Property

W2 Section 498850Enorth

Jan 23, 2011





ROGUE RESOURCES INC.

Section looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		DB	diabase
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		MI	mafic intrusive (undifferentiated)
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	——	All
Sample	R	——	All

SECTION SPECS:

REF. PT. E, N	498850 m	5349050 m
EXTENTS	285.3 m	350.1 m
SECTION TOP, BOT	335 m	-15.13 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

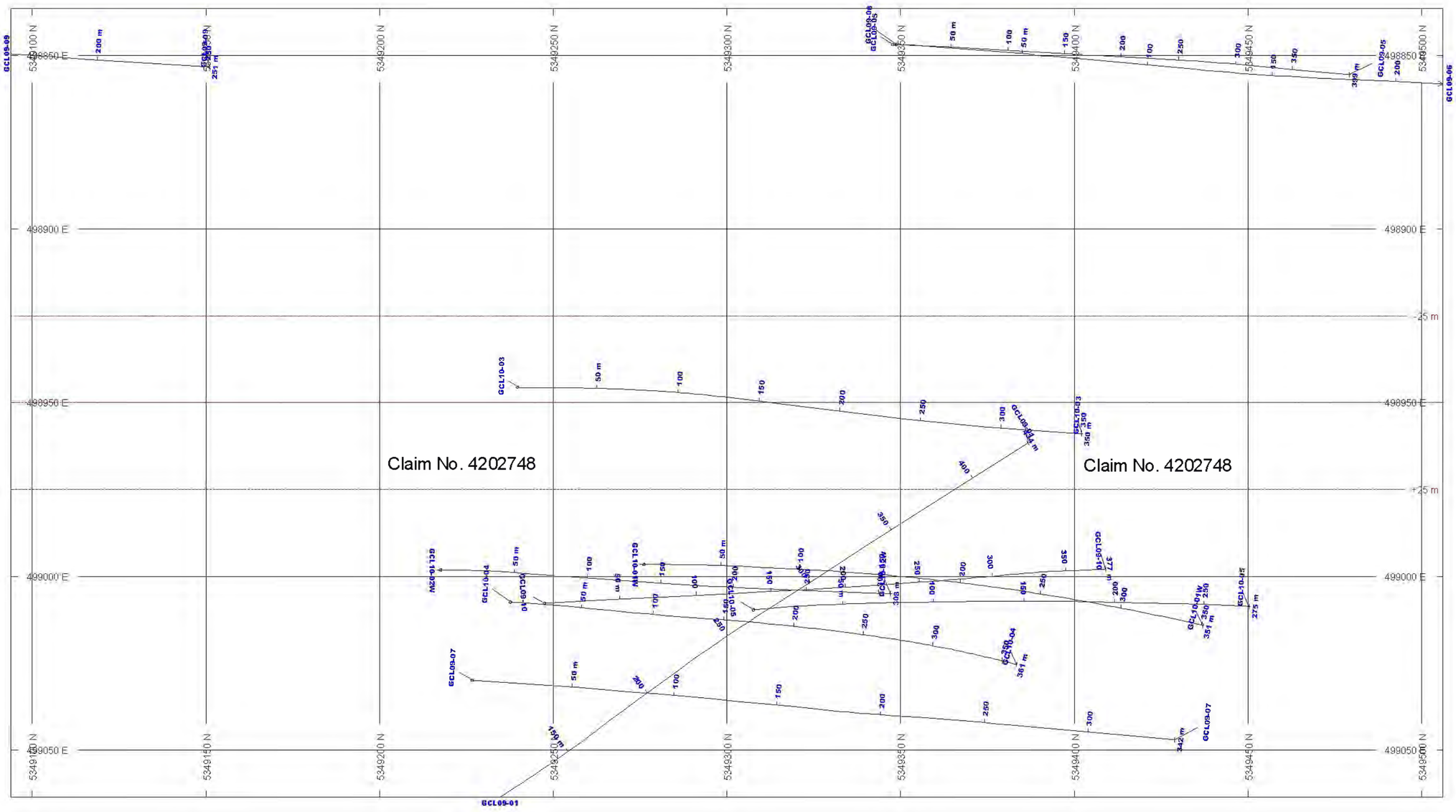
N W E S

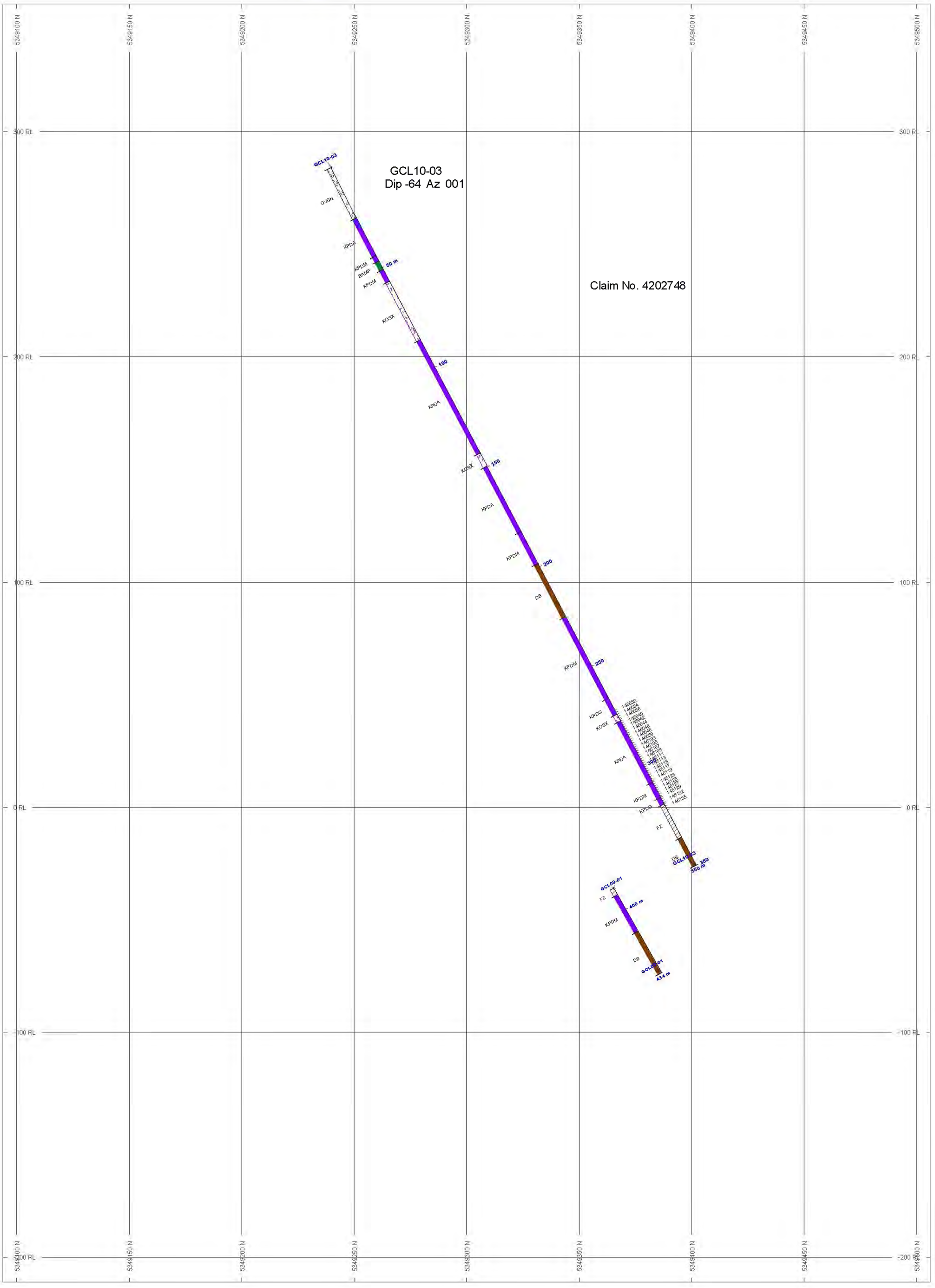
Rogue Resources

Langmuir Property

W2 Section 498850Esouth

Jan 23, 2011





ROGUE RESOURCES INC.

Section looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		BAMF	basalt massive flow
		DB	diabase
		FZ	fault zone
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDB	komatiitic peridotite - brecciated
		KPDP	komatiitic peridotite graphitic pepperite
		KPDM	komatiitic peridotite mesocumulate
		MSZ	massive sulphide zone
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	--------	All
Sample	R	--------	All

SECTION SPECS:

REF. PT. E, N	498950 m	5349300 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

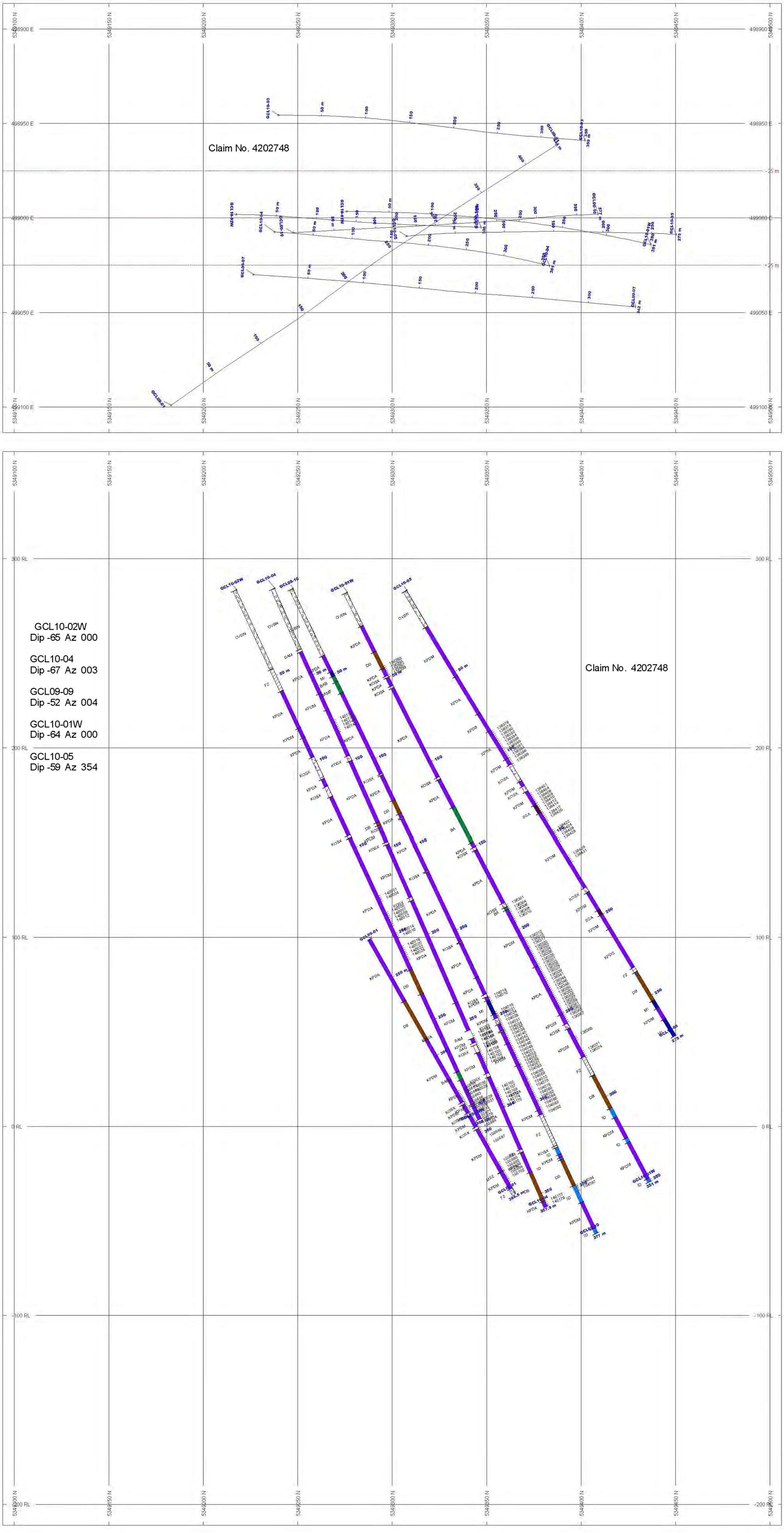
N W E S

Rogue Resources

Langmuir Property

W2 Section 498950

Jan 23, 2011



ROGUE RESOURCES INC.

Section looking west

ROCK CODES Code	PAT	LABEL	DESCRIPTION
		BAB	basalt breccia tect0nic
		BAMF	basalt massive flow
		BA	basalt
		DB	diabase
		FZ	fault zone
		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDB	komatiitic peridotite - brecciated
		KPDP	komatiitic peridotite graphitic pepperite
		KPDM	komatiitic peridotite mesocumulate
		MI	mafic intrusive (undifferentiated)
		MSZ	massive sulphide zone
		OVBN	overburden
		SGA	graphitic argillite
		KPXP	Komatiitic Pyroxenite Graphitic Pepperite

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	499000 m	5349300 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

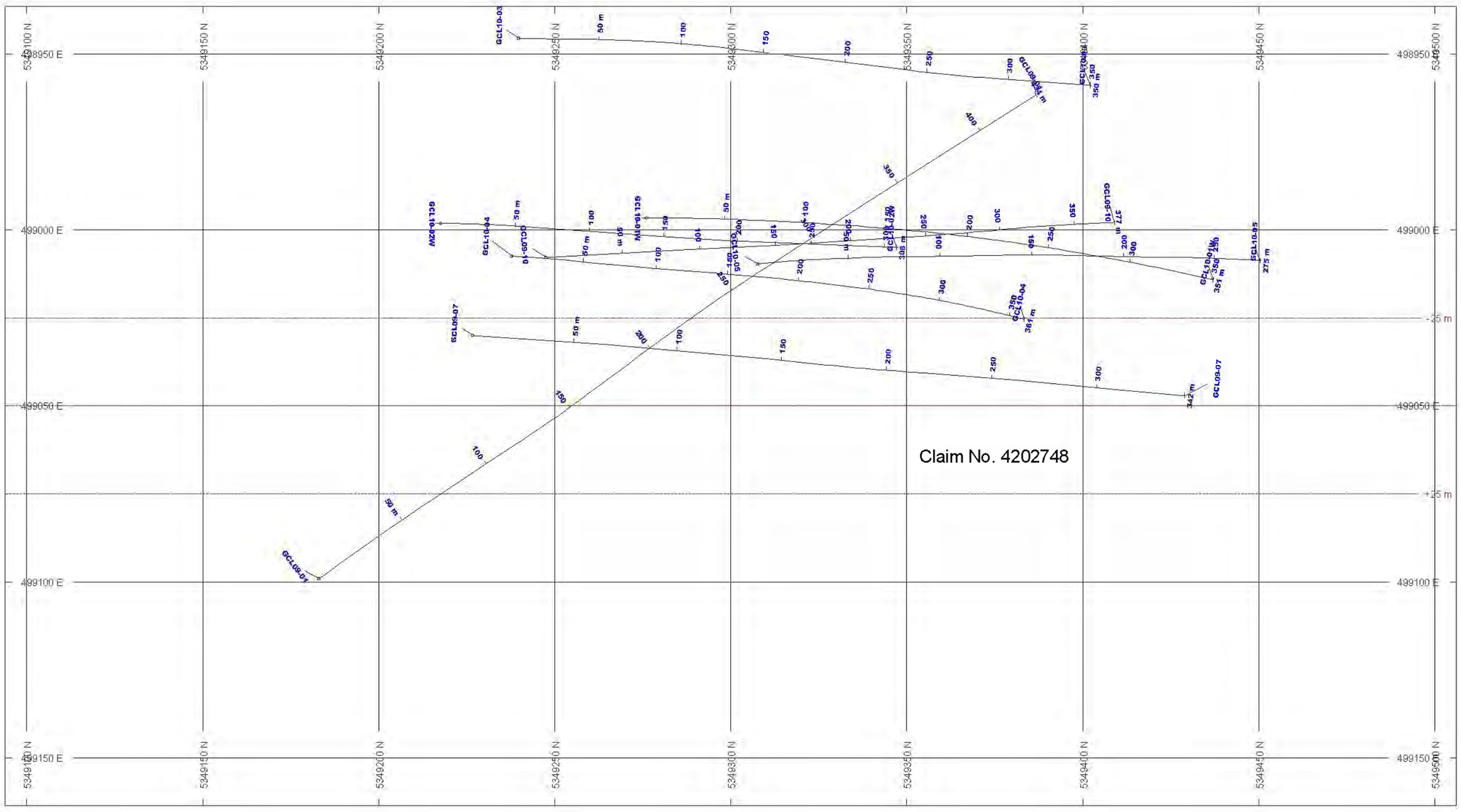
N W E S

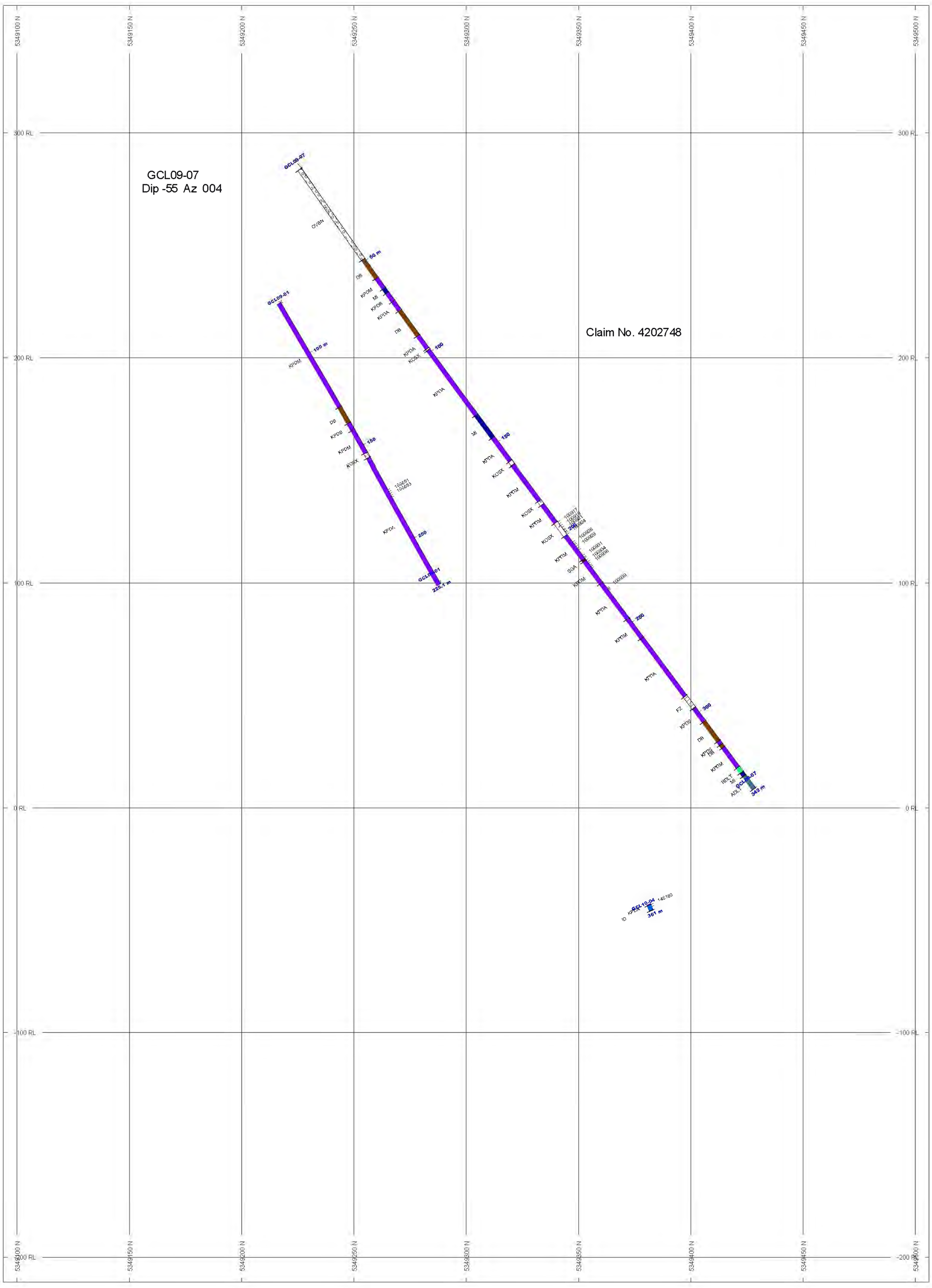
Rogue Resources

Langmuir Property

W2 Section 499000E

Jan 23, 2011





ROGUE RESOURCES INC.

Section looking west

ROCK CODES Code	PAT	LABEL	DESCRIPTION
		ADLT	andesite lapilli tuff
		DB	diabase
		FZ	fault zone
		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDB	komatiitic peridotite - brecciated
		KPDM	komatiitic peridotite mesocumulate
		KPDS	komatiitic peridotite sheared
		MI	mafic intrusive (undifferentiated)
		MSZ	massive sulphide zone
		OVBN	overburden
		RDLT	rhyodacite lapilli tuff
		SGA	graphitic argillite

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	--------	All
Sample	R	--------	All

SECTION SPECS:

REF. PT. E, N	499050 m	5349300 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	.25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

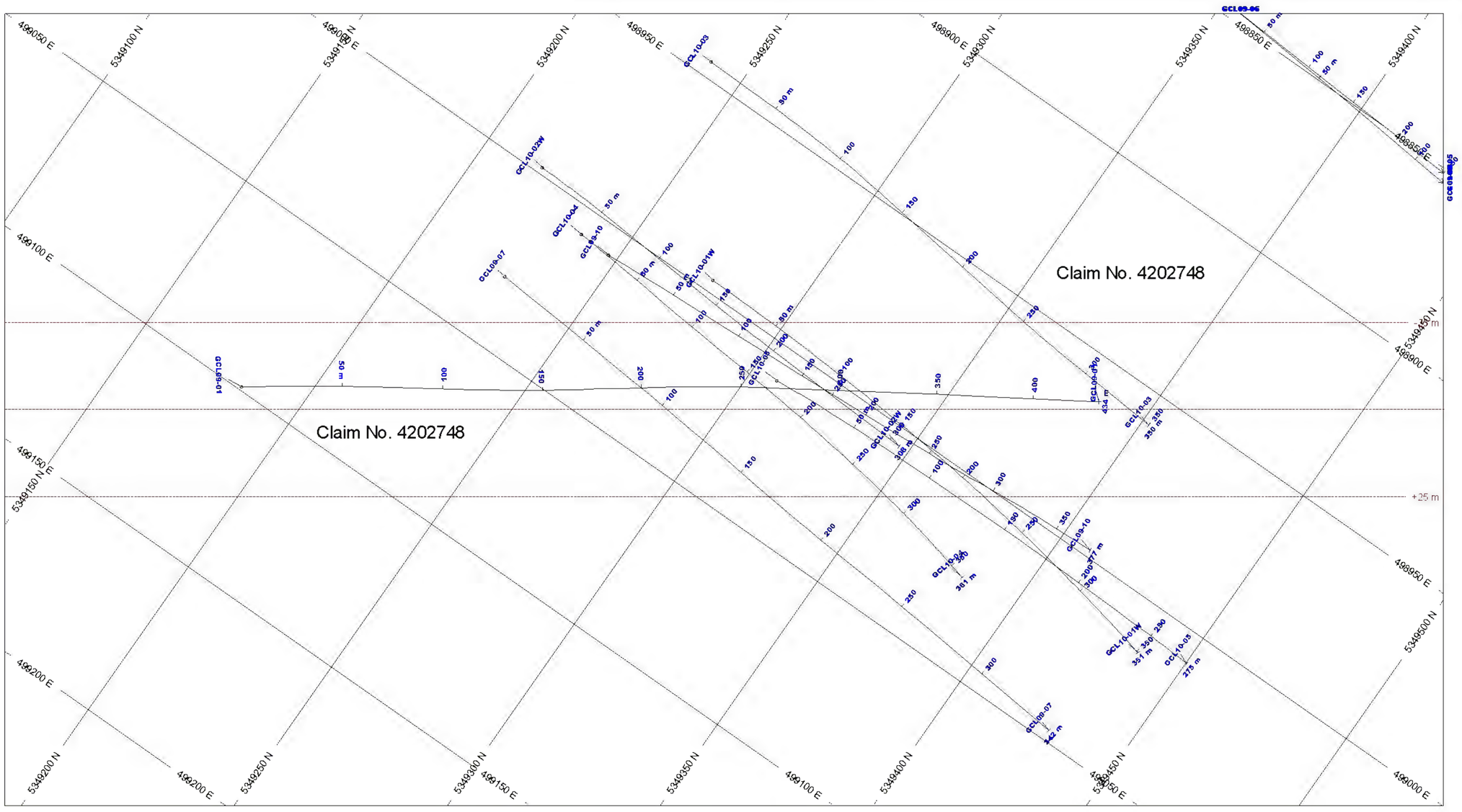
N W E S

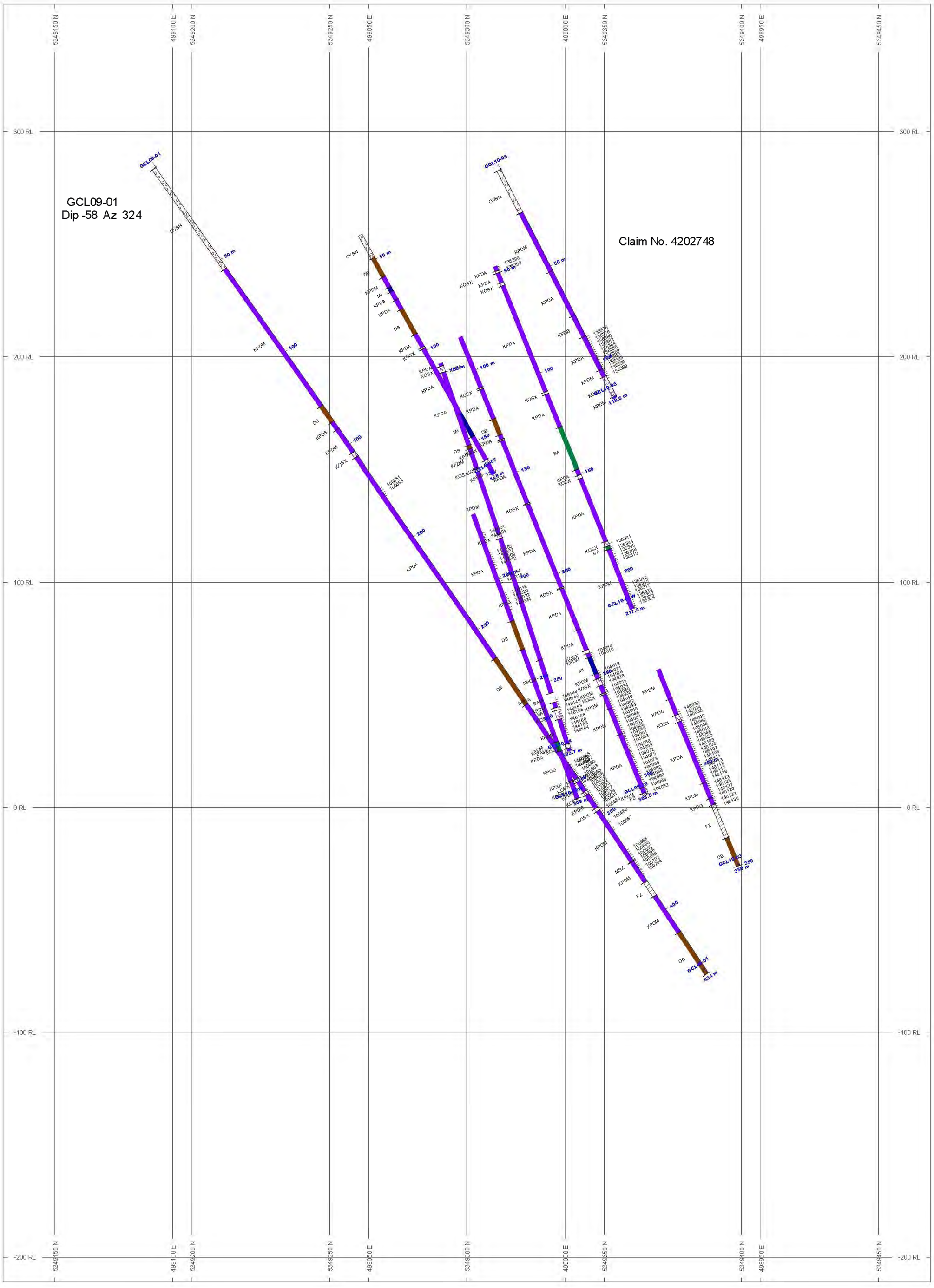
Rogue Resources

Langmuir Property

W2 Section 499050E

Jan 23, 2011





ROGUE RESOURCES INC.

Section looking southwest

ROCK CODES Code	PAT	LABEL	DESCRIPTION
		ADLT	andesite lapilli tuff
		BAB	basalt breccia tect0nic
		BAMF	basalt massive flow
		BA	basalt
		DB	diabase
		FZ	fault zone
		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDB	komatiitic peridotite - brecciated
		KPDP	komatiitic peridotite graphitic pepperite
		KPDM	komatiitic peridotite mesocumulate
		KPDS	komatiitic peridotite sheared
		MI	mafic intrusive (undifferentiated)
		MSZ	massive sulphide zone
		OVBN	overburden
		RDLT	rhyodacite lapilli tuff
		SGA	graphitic argillite
		KPXP	Komatiitic Pyroxenite Graphitic Pepperite

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	499025 m	5349300 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 325°

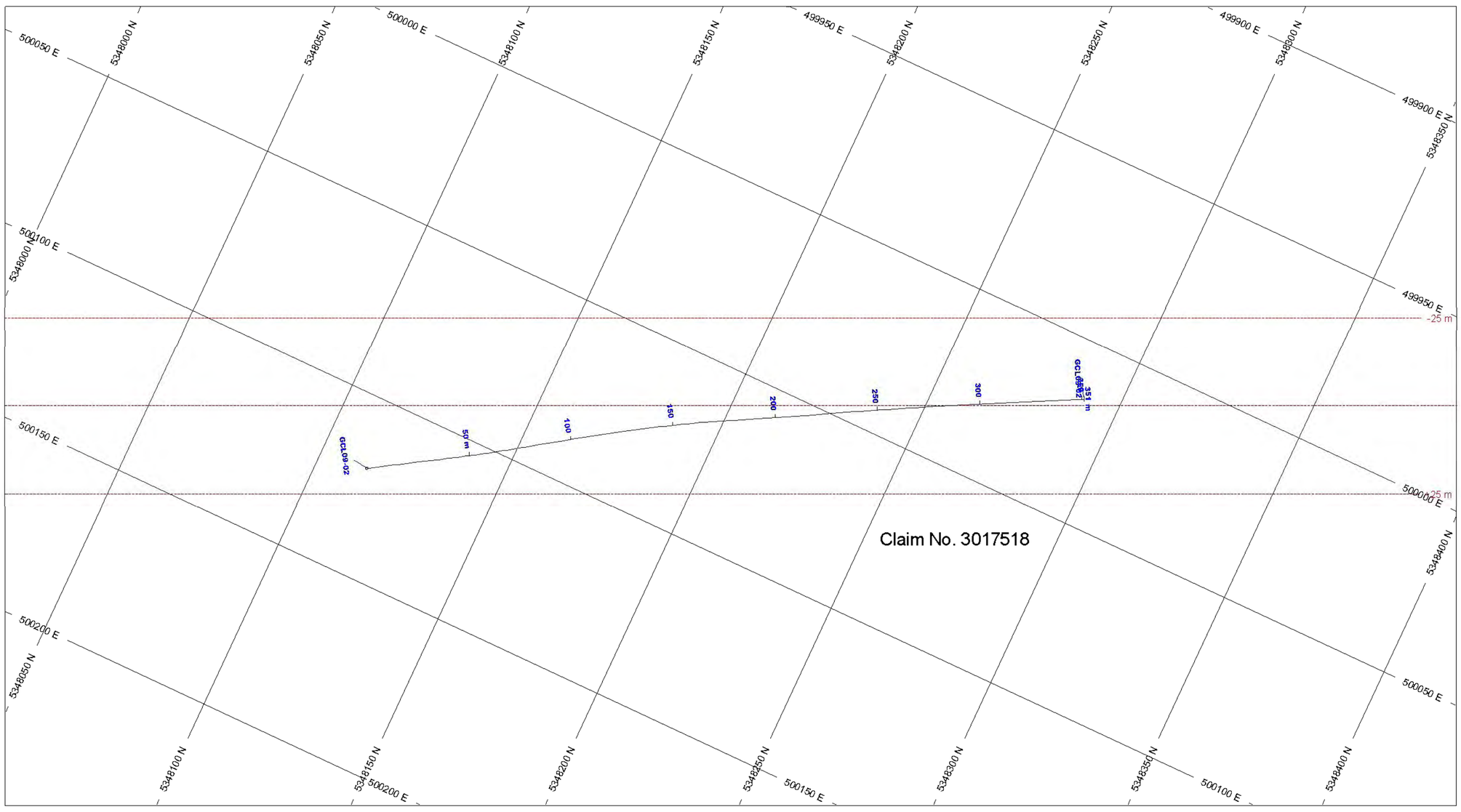
N W E S

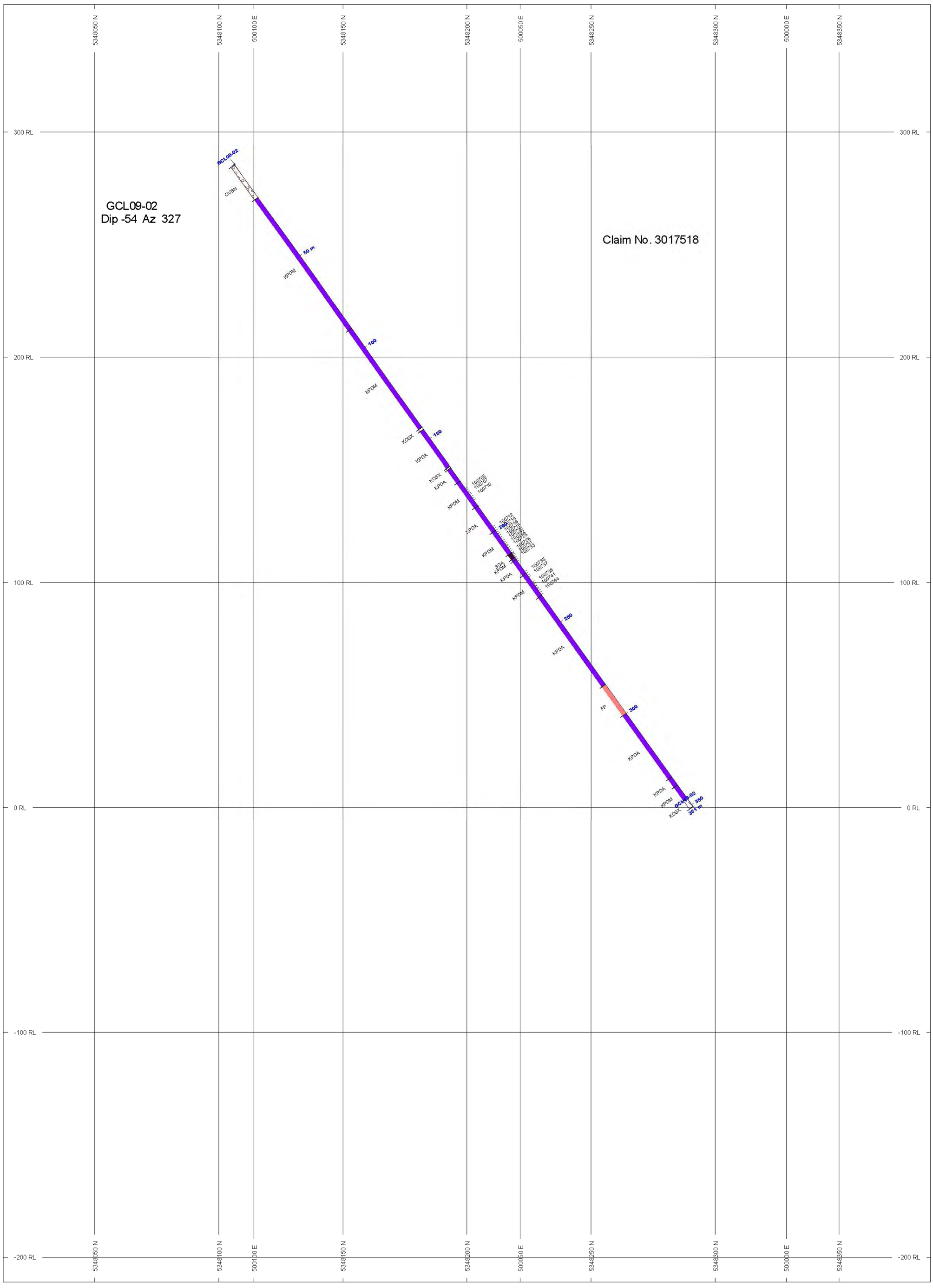
Rogue Resources

Langmuir Property

W2 Section GCL09-01

Jan 23, 2011





Section looking southwest

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		FP	feldspar porphyry
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		OVBN	overburden
		SGA	graphitic argillite

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	500060 m	5348200 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 335°

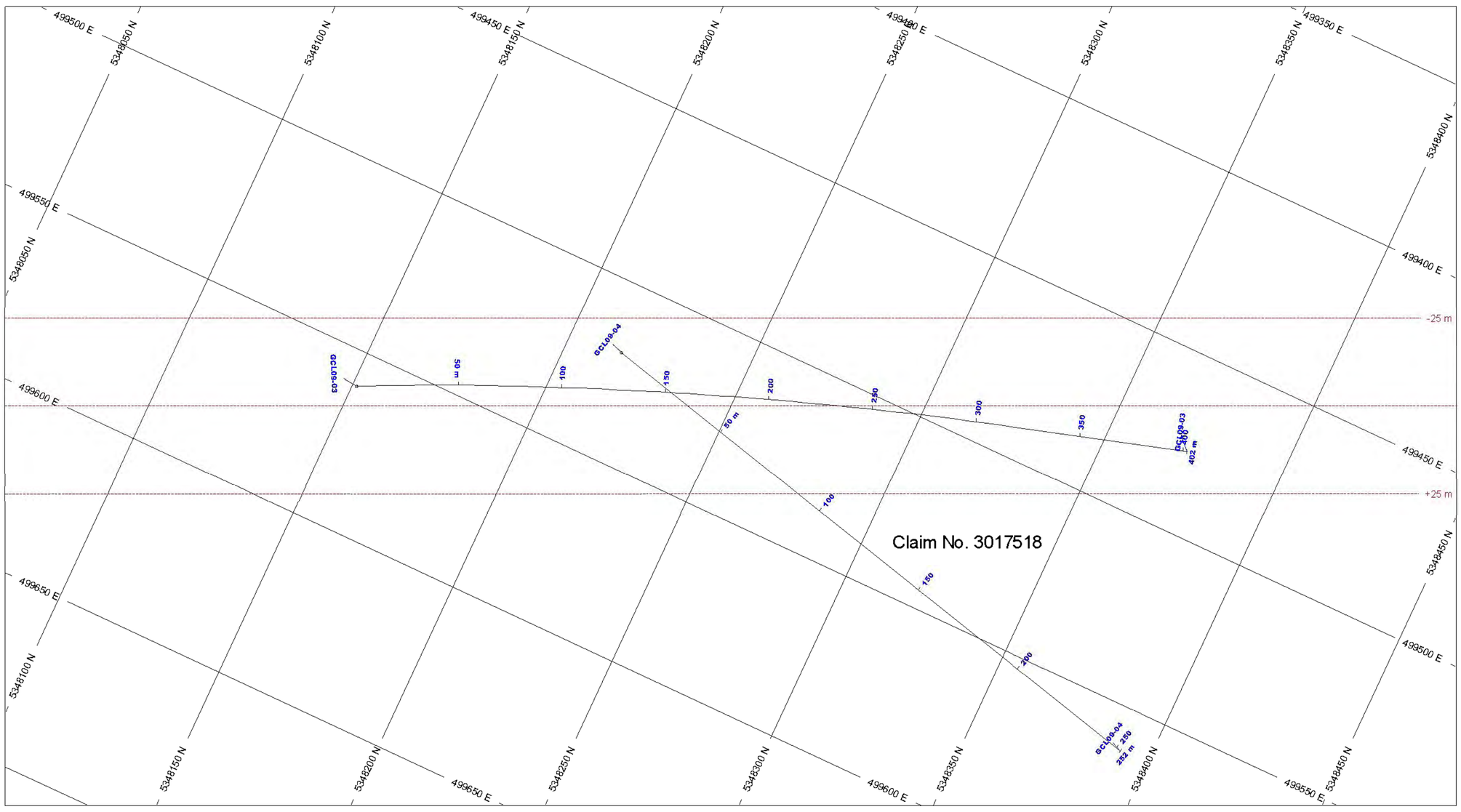
N W E S

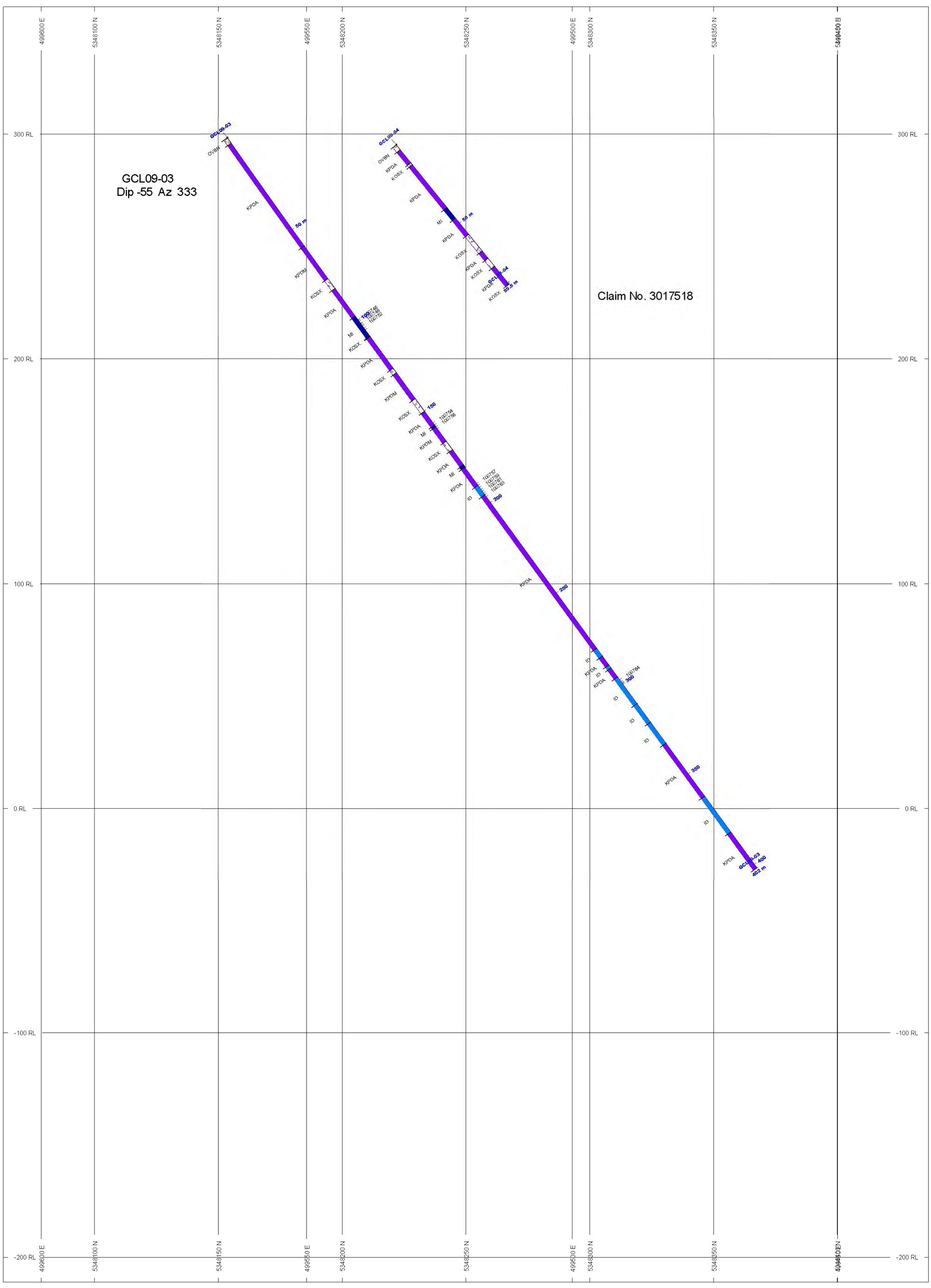
Rogue Resources

Langmuir Property

W6 Section GCL09-02

Jan 23, 2011





ROGUE RESOURCES INC.

Section looking southwest

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		MI	mafic intrusive (undifferentiated)
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	499520 m	5348250 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 335°

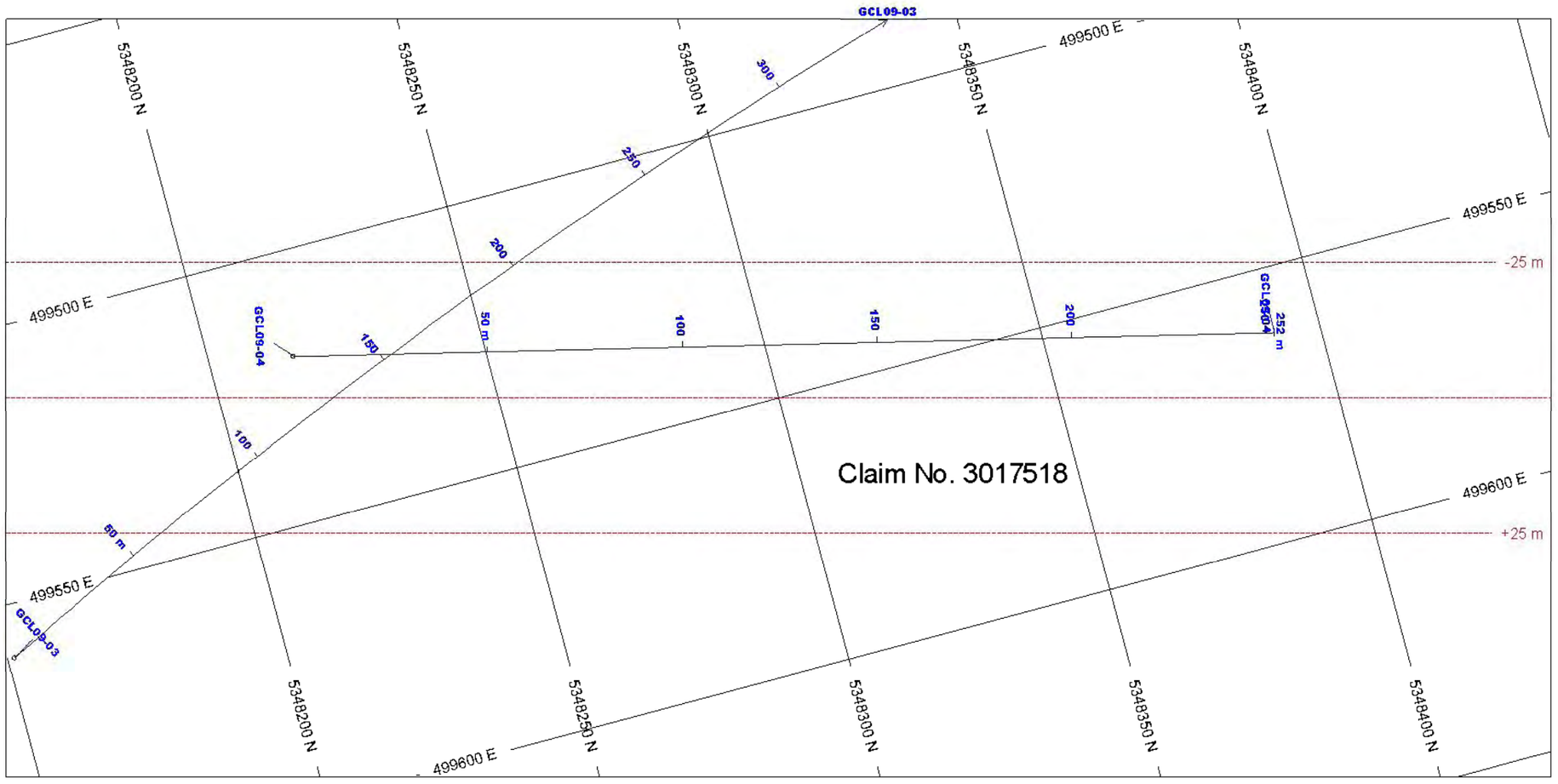
N W E S

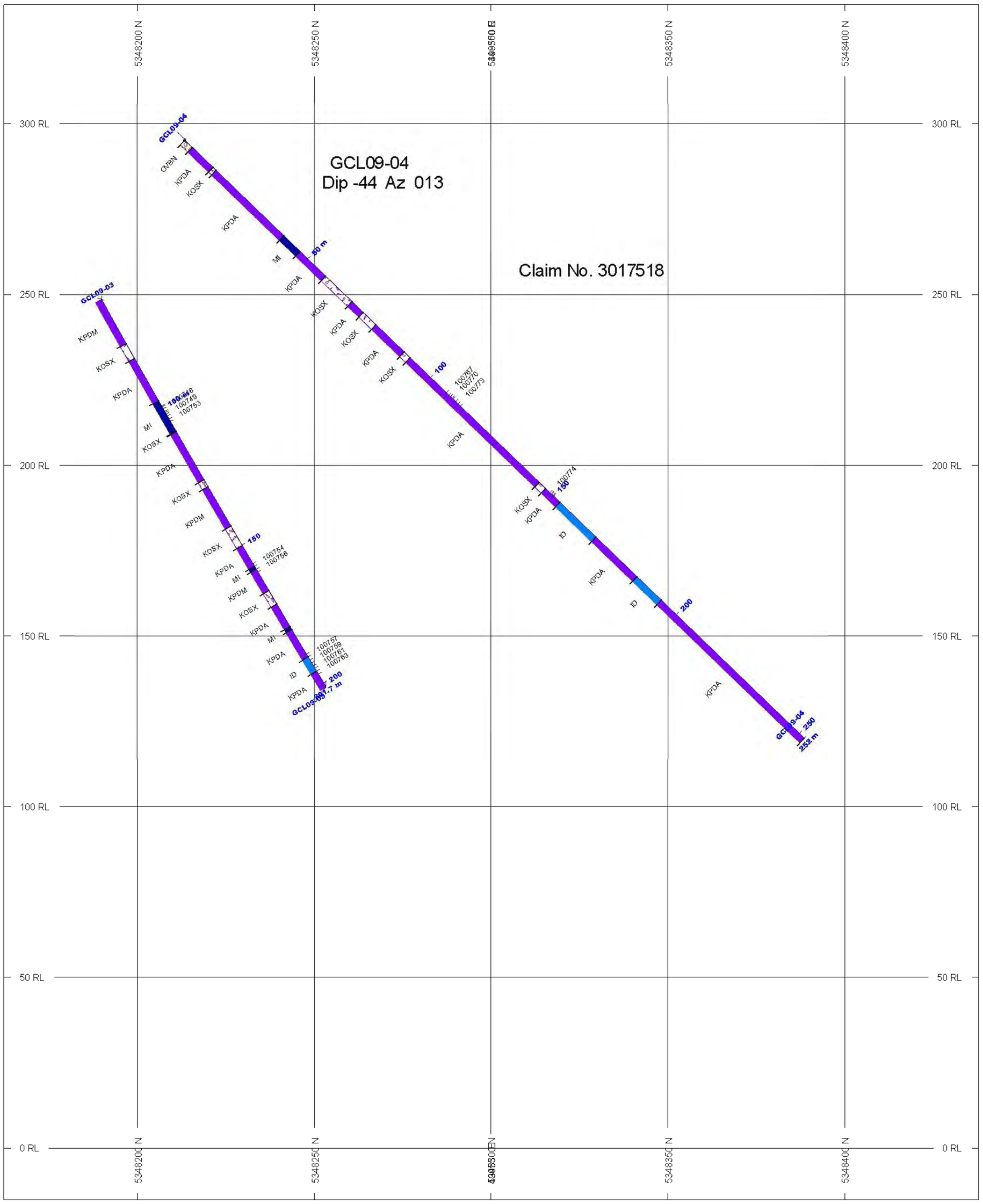
Rogue Resources

Langmuir Property

W6 Section GCL09-03

Jan 23, 2011





ROGUE RESOURCES INC.

Section looking northwest

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		MI	mafic intrusive (undifferentiated)
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	499550 m	5348300 m
EXTENTS	285.3 m	350.1 m
SECTION TOP, BOT	335 m	-15.13 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 15°

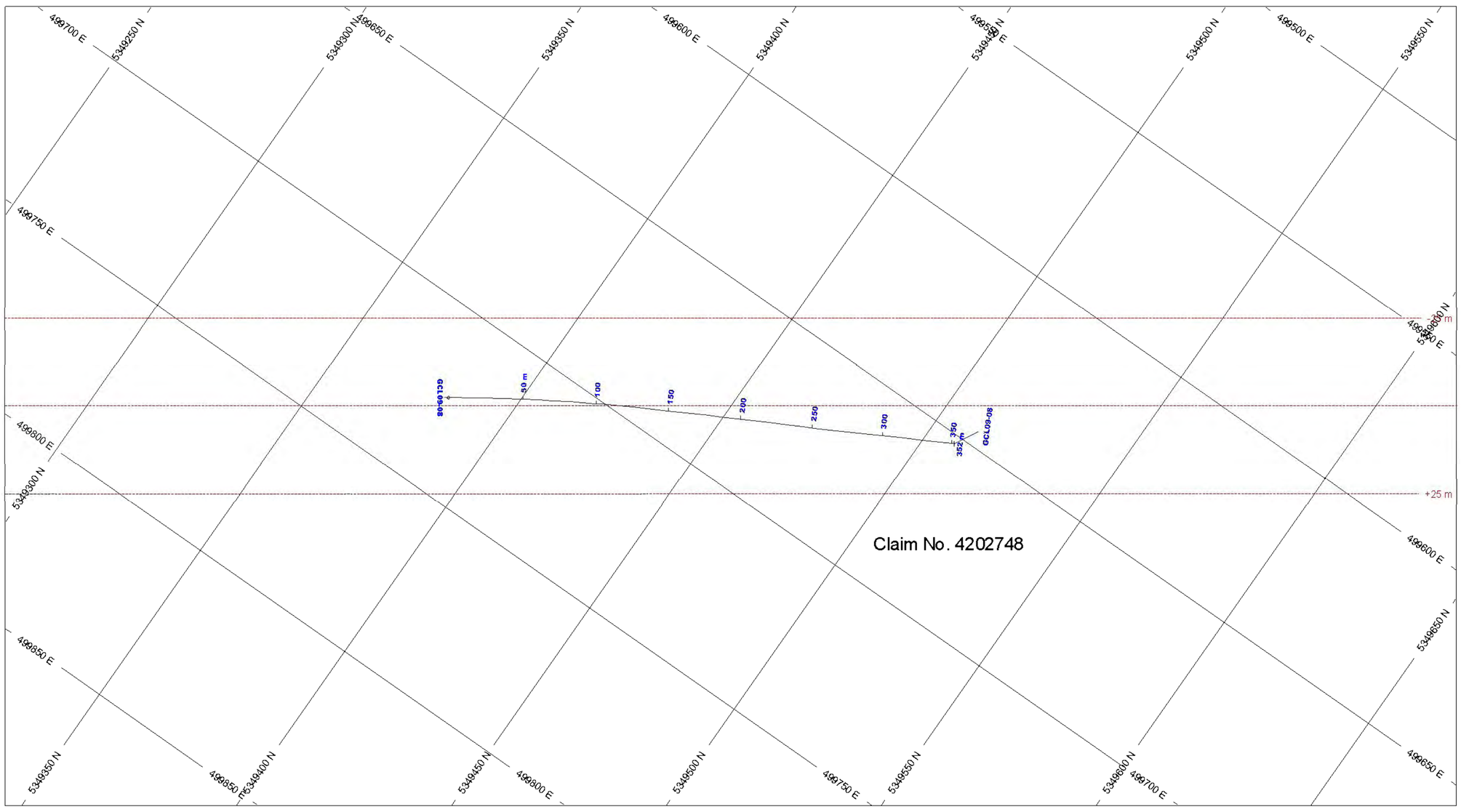
N W E S

Rogue Resources

Langmuir Property

W6 Section GCL09-04

Jan 23, 2011



ROGUE RESOURCES INC.

Section looking southwest

ROCK CODES Code	PAT	LABEL	DESCRIPTION
		AD	andesite
		ADS	andesite sheared
		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		KPX	komatiitic pyroxenite
		QFP	quartz feldspar porphyry
		SGA	graphitic argillite

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	499680 m	5349450 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 325°

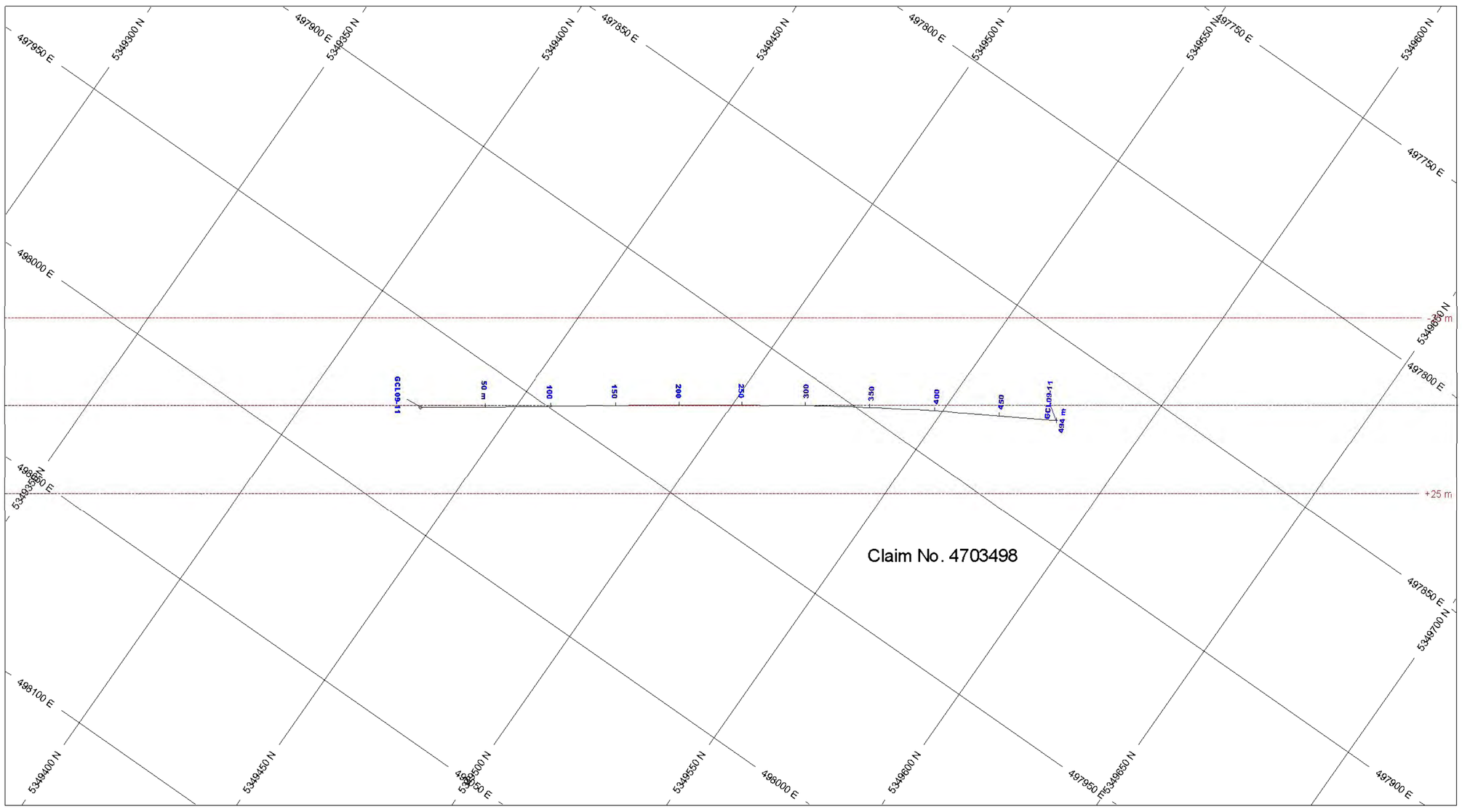
N W E S

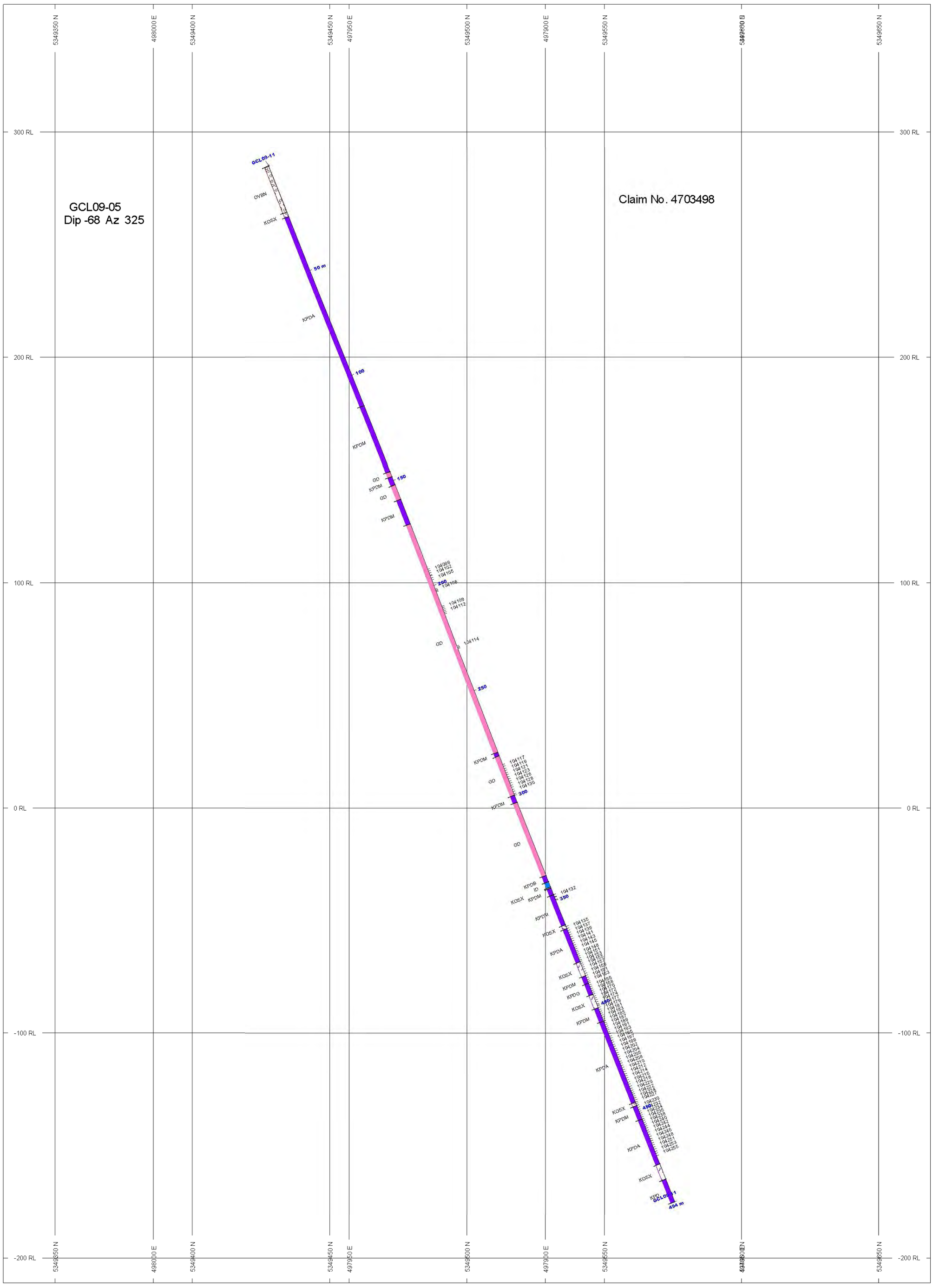
Rogue Resources

Langmuir Property

W1 Section GCL09-08

Jan 23, 2011





ROGUE RESOURCES INC.

Section looking southwest

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		GD	granodiorite
		ID	intermediate dyke
		KOSX	komatiitic spinifex peridotite
		KPD	komatiitic peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDB	komatiitic peridotite - brecciated
		KPDP	komatiitic peridotite graphitic pepperite
		KPDM	komatiitic peridotite mesocumulate
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SECTION SPECS:

REF. PT. E, N	497920 m	5349500 m
EXTENTS	412.3 m	567.9 m
SECTION TOP, BOT	356.8 m	-211.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 325°

N E S W

Rogue Resources

Langmuir Property

W3 Section GCL09-11

Jan 23, 2011