

2.38681



Assessment Report

Morrisette Township
Unpatented Mining Claim
1186591
NTS 32D/4; 42A/1
Larder Lake Mining Division

Diamond Drill Report



July 2008

Brian Madill

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INTRODUCTION

The Kirana Claim Group consists of 54 unpatented mining claims and 4 patented mining claims. The claim group is spread across four townships (Morrisette, Lebel, Berhardt and Teck Townships.) situated in the Kirkland Lake area of the Larder Lake Mining Division. (see Figure 1)

The 54 unpatented mining claims comprise 125 claim units and are as follows:

<u>Claim Number</u>	<u>Units</u>	<u>Claim Number</u>	<u>Units</u>	<u>Claim Number</u>	<u>Units</u>
802835	1	1047224	1	3010041	3
802836	1	1047225	1	3010043	1
802837	1	1048772	1	3010044	5
802838	1	1048773	1	3011222	8
802839	1	1048774	1	3011753	1
802840	1	1048775	1	3011754	10
802842	1	1048776	1	4202281	1
802843	1	1049320	1	4210202	2
823113	1	1049321	1	4211797	4
823114	1	1049322	1	4211844	3
823115	1	1186591	3	4211845	6
823116	1	1199683	2	4220044	16
1013303	1	1211524	2	4220094	2
1013304	1	1211525	1	4225063	1
1013305	1	1211969	1	4225071	4
1047221	1	1211970	1	4225077	3
1047222	1	1242855	1	4225398	13
1047223	1	3010040	2	4225600	1

The 4 patented mining claims comprise 4 claim units and are as follows:

<u>Claim Number</u>	<u>Units</u>
L2200	1
L2201	1
L2845	1
L6047	1

Access and Location

The property straddles the boundary between Teck, Bernhardt, Morrisette and Lebel Townships approximately 5 kms. to the northeast of Kirkland Lake, Ontario. (see Figure 2) Diamond drilling, the subject of this report, was carried out between May 30th and June 3rd, 2008 on unpatented mining claim 1189561 in Morrisette Township. The property consists of 124 contiguous claim units and 4 patent claim units.(see Figure 3)

The area is readily accessible via a well-maintained paved road from the town of Kirkland Lake to the Kirkland Lake Airport.

Services such as water, power equipment, manpower and housing is readily available from the town of Kirkland Lake.

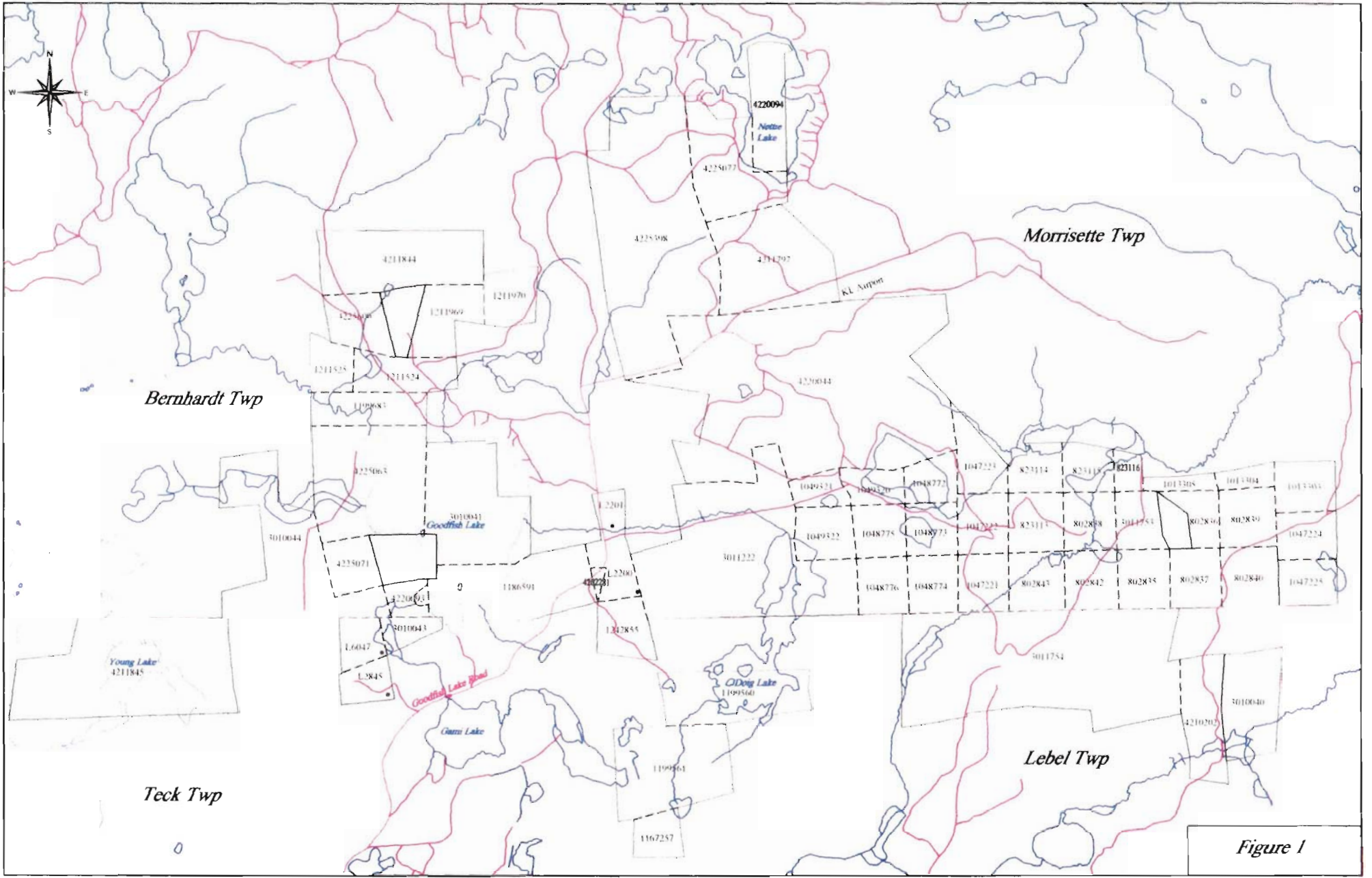


Figure 1



**Drill Hole
Location**

3 km

Fig. 2

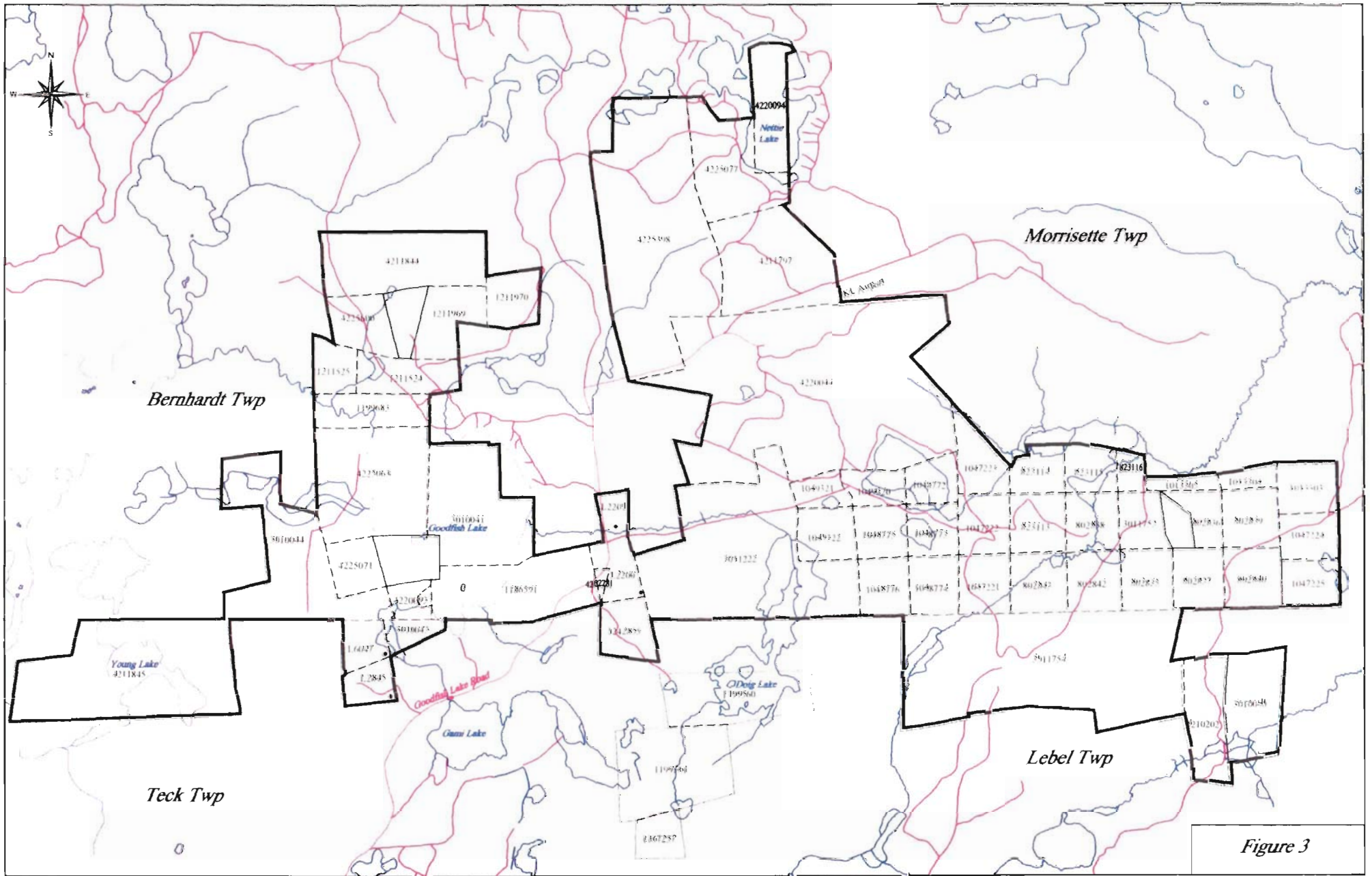


Figure 3

History:

Gold was discovered in the area in 1912. The claims which now comprise the Kirana Property have been worked independently by several owners and companies.

Claim 1186591 was part of old patents and in 2001 they were opened up for staking. This is very little information in the Assessment files and the only work filed was part of a more regional exploration carried out by Minnova in the period between 1987 and 1990.

Minnova carried out extensive soil sampling, IP, Mag. and VLF Surveys. Minnova also carried out some diamond drilling and trenching.

One hole drilled on the Sutton claim. Hole KIR-5, drilled in 1990. returned 6810ppb's (6.8g/t) over 0.5meters in one vein and 1669ppb's (1.7g/t) over 0.3 meters on another vein. The intersections are 164 and 204 meters down the hole. This hole was drilled @-50 degrees. Another hole, V-79-1 returned 11.8g/t over 1.0 meter. There is no record of this hole in the assessment files.

There was a trench completed beside the highway on a gossanous zone, with very coarse pyrite, that graded up to 1650ppb gold.

MW Sutton drilled a 386 foot hole in July 2003 and intersected 46.9g/t over 0.3 meters @100.7 feet down the hole.

Geology:

The Property lies on the southwestern limb of the Blake River Syncline within the southwestern limb of the Blake River Syncline. (see Figures 4 & 5) Mafic volcanics of the Kinojevis Group dominate the property area. The Kinojevis mafic volcanic assemblage generally consists of Mg-rich and Fe-rich tholeiitic basalt lavas, although minor lenses of tholeiitic dacite and rhyolite may occur to the top of the group. Minor interflow sedimentary horizons also occur in this volcanic assemblage. Overlying the Kinojevis to the north of the property, is the predominantly calc-alkaline volcanic assemblage of the Blake River group that occupies the core of the regional synclinal structure. The Kinojevis volcanics have been intruded by tholeiitic gabbroic sills, syenite and quartz-feldspar porphyry dykes and plugs, and finally by late diabase dykes. The stratigraphy is near vertical with local variations in dip to 70°N. Carbonatization is widespread and most intense along the porphyries and the stronger shear zones. Sericite alteration occurs with the more intense areas of carbonatization. Leucoxene alteration in basalt and gabbro is widespread.

Though no significant structure is shown on the regional geology maps in this area the Lakeshore Cross-Fault which, approximately 4 kms to the south of the Property, offsets the Kirkland Lake Main Break Au mineralization, projects through the general area of the Property though it's existence has never been established with any certainty in the immediate area. The Kirana Fault which appears to control the Au mineralization in the area. (see Figure 6)

TABLE 1: STRATIGRAPHIC SUCCESSION OF THE KIRKLAND LAKE AREA.

SOUTH LIMB OF SYNCLINORIUM

Upper Supergroup

Timiskaming Group

Volcanic rocks: Mafic, intermediate, felsic trachyte, and K-rich dacite and rhyolite flows and tuffs.

Sedimentary rocks: Fluvial conglomerate, sandstone, and argillite.

Intrusions: Stocks and dikes of syenodiorite, syenite, quartz monzonite, and lamprophyre.

Blake River Group

Volcanic rocks: Calc-alkalic basalt, andesite dacite and rhyolite flows and tuffs.

Sedimentary rocks: Volcaniclastic slump deposits.

Intrusion: Stocks and dikes of gabbro, quartz gabbro, hornblende gabbro, diorite, quartz diorite, and subvolcanic rhyolite domes.

Kinojevis Group

Volcanic rocks: Mg-rich and Fe-rich tholeiitic basalts, and tholeiitic andesite, dacite and rhyolite flows and tuffs.

Sedimentary rocks: Thin interflow argillite and chert.

Intrusions: Sills of Mg-rich and Fe-rich gabbro.

Larder Lake Group

Volcanic rocks: Flows of peridotitic and basaltic komatiite, and Mg-rich tholeiitic basalt, and minor Fe-rich tholeiitic basalt, and minor Fe-rich tholeiitic basalts and interflow rhyolite tuff-breccias.

Sedimentary rocks: Turbiditic conglomerate, greywacke and argillite, and iron formation chert, limestone, and dolostone.

Intrusions: Sills and stocks of peridotite, pyroxenite, and gabbro.

Lower Supergroup

(Unnamed Unit)

(Conglomerate with trachyte and syenodiorite pebbles).

Skead Group

Volcanic rocks: Mainly calc-alkalic rhyolite tuff-breccia with some calc-alkalic basalt, andesite and dacite flows and tuff-breccias.

Sedimentary rocks: Chert and cherty argillite.

Intrusions: Stocks of feldspar porphyry and quartz diorite.

Catherine Group

Volcanic rocks: Mg-rich and Fe-rich tholeiitic basalts.

Sedimentary rocks: Interflow chert.

Intrusions: (None mapped)

Wabewawa Group

Volcanic rocks: Peridotitic and basaltic komatiite, Mg-rich tholeiite basalt and minor Fe-rich tholeiitic basalt, and a few interflow rhyolite tuffs.

Sedimentary rocks: (None mapped)

Intrusions: Layer sills (possibly flows) of dunite, pyroxenite, and gabbro.

Pacaud Tuffs (Ridter 1970)

Volcanic rocks: Calc-alkalic andesite, dacite, and rhyolite tuffs.

Sedimentary rocks: Chert, argillite, iron formation.

Intrusions: Trondhjemite of Round Lake Batholith.

From: Jensen and Langford 1985



Adm. M-1-1965

ARNOLD TOWNSHIP

1. A...
2. A...
3. A...
4. B...
5. B...
6. B...
7. D...
8. G...
9. G...
10. J...
11. K...
12. K...
13. L...
14. M...
15. M...
16. M...
17. M...

Figure 6

Program:

The project consisted of two diamond drill holes and were drilled as follows:
(see Plan # 1 “DDH Locations K08-1 and K08-2)

The purpose of the diamond drilling was to test and confirm the results of the Sutton drilling.

<u>HOLE #</u>	<u>UTM LOCATION</u>	<u>DIP ANGLE</u>	<u>AZIMUTH</u>	<u>LENGTH</u>
K08-1	573744 E / 5338053 N	-45 degrees	142 degrees	225 meters
K08-2	573734 E / 5338034 N	-45 degrees	142 degrees	132 meters

Results:

Both holes failed to confirm the presence of high-grade gold intersected in the Sutton drilling. The highest grade intersection in K08-1 was 312ppb over 0.9 metres between 8.1 – 9.0 metres down the hole. The highest grade intersection in K08-2 was 656 ppb Au over 1.0 metres between 4.2 – 5.2. In both holes the high-grade mineralization was expected around the 30 metre mark. Both holes did confirm the presence and intensity of the Kirana Break with the intensity and width of deformation being stronger and wider than expected.

Conclusions and Recommendations:

Though both holes failed to interest the high-grade mineralization intersected in the Sutton drilling the intensity and width of the Kirana Break itself warrants follow-up being an ideal system for hydro-thermal gold deposition. The abundance of qtz-carb veining and alteration would support this premise. With a grid recently cut through this area it is recommended this area be covered with an IP-Mag geophysical survey to trace the Kirana Break through this area to complement geological mapping and prospecting leading to drill targets for a more comprehensive drill program.

Bibliography

Minnova-1987-1990- "Kirana Property"-Daniel Bernard-resident geologists office

Illustrations

Fig.#1 Stratigraphic Succession of the Kirkland Lake Area

Map#3 Location of claims vis-à-vis stratigraphy

Fig.#2 Minnova-resource in area

Fig.#3 Kirana Mine-veins in area

Fig.#4 Minnova-KIR-5 assays

Fig.#5 Minnova-79-1 assays

Fig.#6 Minnova-KIR-5 zone description

Fig.#7 Minnova-79-1 zone description

Fig.#8 Minnova-KIR-5 rationale

Fig.#9 Minnova-KIR-5& 79-1 location map

Fig.#10 Minnova-recommendations

Fig.#11 Zone Longitudinal Section

Fig.#12 Drill Hole MS-1 Section

Fig.#13 Drill Hole MS-1 Plan

Fig.#14 Drill Hole Plan relative to highway

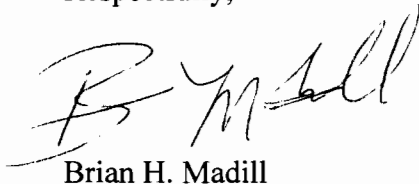
Fig.#15 Drill Hole Plan relative to surface rights

STATEMENT OF QUALIFICATIONS

I, **Brian Madill**, of 142 Carter Ave. Kirkland Lake, Ontario, do hereby certify that:

1. I am a Prospector/Geological/Geophysical Technician and have been practicing my profession for the past 29 years.
2. I am a graduate of Cambrian College, Sudbury, Ontario having received a Geological Engineering Technician diploma in 1979.
3. My knowledge of the property described herein was obtained by fieldwork and documentation.
4. I do not have or expect to receive any interest in the properties that form the basis of this report.
5. I am qualified to author this report.

Respectfully,

A handwritten signature in black ink, appearing to read "B. Madill", written in a cursive style.

Brian H. Madill

APPENDIX



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Page 1 of 2

Geochemical Analysis Certificate

8W-1735-RG1

Company: **NORTHERN GOLD MINING INC.**

Date: JUL-15-08

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 34 CORE samples submitted JUN-23-08 by .

Sample Number	Au PPB	Au Check PPB
28359	5	-
28360	Nil	-
28361	Nil	-
28362	Nil	-
28363	7	-
28364	Nil	-
28365	Nil	-
28366	Nil	-
28367	Nil	-
28368	5	-
28369	Nil	-
28370	14	-
28371	3	-
28372	5	-
28373	12	-
28374	3	-
28375	7	12
28376	3	-
28377	3	-
28378	Nil	-
28379	3	-
28380	Nil	-
28381	Nil	-
28382	Nil	Nil
28383	7	-
28384	Nil	-
28385	3	-
28386	7	-
28387	5	-
28388	3	-

hdp
Certified by Dennis Charters



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Geochemical Analysis Certificate

8W-1735-RG1

Company: **NORTHERN GOLD MINING INC.**

Date: JUL-15-08

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 34 CORE samples submitted JUN-23-08 by .

Sample Number	Au PPB	Au Check PPB
28389	Nil	Nil
28390	10	-
28391	14	-
28392	15	21
Blank	Nil	-
STD OxJ64	2462	-

hclp.

Certified by *Denis Chate*



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Geochemical Analysis Certificate

8W-1716-RG1

Company: **NORTHERN GOLD MINING INC.**

Date: JUL-15-08

Project:

Attn: **D.W. EVES**

We hereby certify the following Geochemical Analysis of 44 CORE samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
28415	10	-
28416	26	-
28417	14	-
28418	3	7
28419	5	-
28420	10	-
28421	7	-
28422	7	-
28423	14	-
28424	67	-
28425	5	-
28426	106	89
28427	93	-
28428	89	-
28429	41	-
28430	45	-
28431	70	-
28432	123	-
28433	46	-
28434	161	-
28435	177	158
28436	111	-
28437	60	-
28438	74	-
28439	144	-
28440	81	-
28441	41	34
28442	70	-
28443	14	-
28444	12	-

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Company: **NORTHERN GOLD MINING INC.**

Date: JUL-15-08

Project:

Attn: **D.W. EVES**

We hereby certify the following Geochemical Analysis of 44 CORE samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
28445	19	-
28447	10	-
28448	22	-
28449	12	-
28450	24	-
28452	67	82
28453	52	-
28351	5	-
28352	Nil	-
28354	9	-
28355	7	-
28356	5	-
28357	3	-
28358	9	-
BLANK	Nil	-
STD OxJ 64	2489	-

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8W-1704-RG1

Company: **NORTHERN GOLD MINING INC.**
Project: **JUNE 19/08**
Attn: **K. RATTEE**

Date: JUL-07-08

We hereby certify the following Geochemical Analysis of 42 CORE samples submitted JUN-19-08 by .

Sample Number	Au PPB	Au Check PPB
28401	22	14
28402	9	-
28403	22	-
28404	5726	-
28405	3	-
28406	12	-
28407	7	-
28408	10	-
28409	15	-
28410	14	-
28411	3	-
28412	10	-
28413	5	-
28414	21	-
28723	10	19
28724	3	-
28725	9	-
28726	9	-
28727	24	-
28728	19	-
28729	5	-
28730	7	-
28731	77	-
28732	5	-
28733	3	-
28734	3	-
28735	5	-
28736	41	43
28737	45	-
28738	19	-

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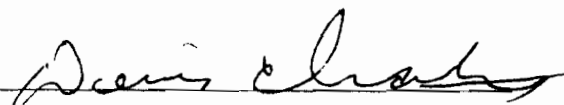
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Company: **NORTHERN GOLD MINING INC.**
Project: **JUNE 19/08**
Attn: **K. RATTEE**

Date: JUL-07-08

We hereby certify the following Geochemical Analysis of 42 CORE samples submitted JUN-19-08 by .

Sample Number	Au PPB	Au Check PPB
28739	58	-
28740	45	-
28741	168	144
28742	27	-
28743	22	-
28744	5	-
28745	33	-
28746	22	-
28747	15	-
28748	7	-
28749	9	7
28750	10	-
BLANK	Nil	-
STD OxJ64	2352	-

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Date: JUN-23-08

Geochemical Analysis Certificate

Company: **NORTHERN GOLD MINING INC.**

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 60 CORE samples submitted JUN-12-08 by .

Sample Number	Au PPB	Au Check PPB	Co PPM	Cu PPM	Ni PPM
28701	3	-	-	-	-
28702	15	-	-	-	-
28703	5	-	-	-	-
28704	9	-	-	95	56
28705	3	-	35	-	53
28706	5	-	-	-	-
28707	Nil	-	-	-	-
28708	3	Nil	-	-	-
28709	5	-	-	-	-
28710	2	-	-	-	-
28711	9	-	-	-	-
28712	7	-	-	-	-
28713	5	-	-	-	-
28714	207	171	-	-	-
28715	7	-	-	-	-
28716	15	-	-	-	-
28717	14	3	-	-	-
28718	5	-	-	-	-
28719	7	-	-	-	-
28720	9	-	-	-	-
28721	9	-	-	-	-
28722	15	-	-	-	-
28863	65	-	-	-	-
28864	Nil	-	-	-	-
28865	12	-	-	-	-
28866	Nil	-	-	-	-
28867	12	-	-	-	-
28868	10	-	-	-	-
28869	Nil	-	-	-	-
28870	Nil	-	-	-	-

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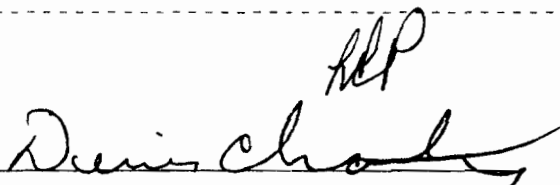
Date: JUN-23-08

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 60 CORE samples submitted JUN-12-08 by .

Sample Number	Au PPB	Au Check PPB	Co PPM	Cu PPM	Ni PPM
28871	2	-	-	-	-
28872	2	-	-	-	-
28873	2	-	-	-	-
28874	9	12	-	-	-
28875	2	-	-	-	-
28876	446	-	-	-	-
28877	9	-	-	-	-
28878	12	-	-	-	-
28879	5	-	-	-	-
28880	7	-	-	-	-
28881	3	-	-	-	-
28882	3	-	-	-	-
28883	9	-	-	-	-
28884	5	-	-	-	-
28885	2	-	-	-	-
28886	9	-	-	-	-
28887	7	-	-	-	-
28888	5	-	-	-	-
28889	5	-	-	-	-
28890	3	-	-	-	-
28891	7	-	-	-	-
28892	9	-	-	-	-
28893	9	-	-	-	-
28894	2709	2469	-	-	-
28895	3	-	-	-	-
28896	14	-	-	-	-
28897	12	9	-	-	-
28898	17	-	-	-	-
28899	3	-	-	-	-
28900	3	-	-	-	-

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Date: JUN-23-08

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 60 CORE samples submitted JUN-12-08 by .

Sample Number	Au PPB	Au Check PPB	Co PPM	Cu PPM	Ni PPM
Blank	3	-	-	-	-
STD OxJ64	2331	-	-	-	-

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Geochemical Analysis Certificate

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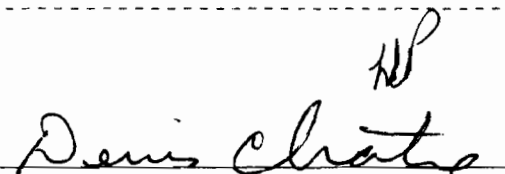
Date: JUN-19-08

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 80 CORE samples submitted JUN-09-08 by .

Sample Number	Au PPB	Au PPB
28951	5	-
28952	Nil	-
28953	5622	-
28954	7	-
28955	12	-
28956	Nil	-
28957	14	21
28958	24	-
28959	Nil	-
28960	33	-
28961	14	-
28962	Nil	-
28963	Nil	-
28964	Nil	-
28965	12	-
28966	70	74
28967	39	-
28968	48	-
28969	21	-
28970	3	-
28971	34	-
28972	15	-
28973	Nil	-
28974	27	-
28975	Nil	-
28976	77	-
28977	55	-
28978	74	-
28979	55	-
28980	326	317

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Company: **NORTHERN GOLD MINING INC.**

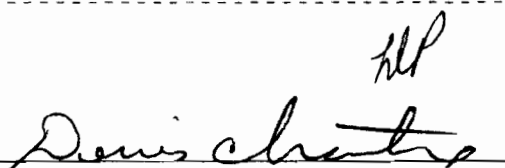
Date: JUN-19-08

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 80 CORE samples submitted JUN-09-08 by .

Sample Number	Au PPB	Au PPB
28981	154	-
28982	51	-
28983	139	144
28984	14	-
28985	Nil	-
28986	Nil	-
28987	12	-
28988	7	-
28989	12	-
28990	3	-
28991	21	-
28992	Nil	-
28993	Nil	-
28994	5	-
28995	10	-
28996	Nil	-
28997	Nil	-
28998	3	-
28999	Nil	-
29000	17	-
28851	5	-
28852	14	-
28853	12	-
28854	3	-
28855	10	-
28856	14	-
28857	Nil	-
28858	14	14
28859	15	-
28860	3	-

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We hereby certify the following Geochemical Analysis of 80 CORE samples submitted JUN-09-08 by .

Sample Number	Au PPB	Au PPB
28861	7	-
28862	3	-
28583	165	-
28584	94	-
28585	175	195
28586	58	-
28587	51	-
28588	86	-
28589	51	-
28590	51	-
28591	34	-
28592	24	-
28593	24	-
28594	29	-
28595	15	-
28596	19	-
28597	17	-
28598	26	-
28599	26	-
28600	240	257
Blank	3	-
STD OxJ64	2489	-

Certified by Dennis Chantler



Established 1928

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Assaying - Consulting - Representation

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Geochemical Analysis Certificate

8W-1575-RG1

Company: **NORTHERN GOLD MINING INC.**

Date: JUN-20-08

Project:

Attn: G.MATHESON

We hereby certify the following Geochemical Analysis of 35 CORE samples submitted JUN-05-08 by .

Sample Number	Au PPB	Au Check PPB	Ag PPM
28551	Nil	-	-
28552	Nil	-	-
28553	Nil	-	-
28554	Nil	-	-
28555	39	-	-
28556	86	45	-
28557	72	-	-
28558	96	-	-
28559	93	-	-
28560	39	-	-
28561	Nil	-	-
28562	19	-	-
28563	24	-	-
28564	14	-	-
28565	Nil	-	-
28566	Nil	-	-
28567	9	-	-
28568	Nil	Nil	-
28569	Nil	-	-
28570	Nil	-	-
28571	Nil	-	-
28572	129	132	-
28573	178	-	-
28574	403	343	-
28575	504	610	0.2
28576	411	-	-
28577	235	-	-
28578	Nil	-	-
28579	Nil	-	-
28580	7	-	-

HP
Certified by Dennis Chats



Established 1928

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Assaying - Consulting - Representation

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Geochemical Analysis Certificate

8W-1575-RG1

Company: **NORTHERN GOLD MINING INC.**

Date: JUN-20-08

Project:

Attn: **G.MATHESON**

We hereby certify the following Geochemical Analysis of 35 CORE samples submitted JUN-05-08 by .

Sample Number	Au PPB	Au Check PPB	Ag PPM
28581	Nil	-	-
28582	79	-	-
28948	12	-	-
28949	10	-	-
28950	Nil	-	-
Blank	Nil	-	-
STD OxJ64	2448	-	-

Certified by Dennis Chats



Hole ID

K-08-01

DRILL LOG

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Au PPM	Ag PPM
		4.2-5.7-MV - mod disseminated Py	28575	4.2	5.2	1.0m	Au + Ag	
		@ 4.9 - Siliceous section has locally 2-3% Cu Py					557	0.2
		@ 5.0 - 1cm QCS @ 40° - small clots of silvery metallic mineral - dull -					754	
		6.2-6.2 - MV - tr Cu disseminated Py	28576	5.2	6.2	1.0m	411	
		@ 5.4 - 1cm QCS @ 60° - locally 1% Fe Py						
		@ 6.8 - branched carb stringer - calcite - locally graphitic or 2-5% vfa Py	28577	6.2	7.2	1.0m	235	235 1.0
		@ 7.4 - 1cm QCS @ 25° - tr Fe Py	28578	7.2	8.2	1.0m	Nil	Nil
		@ 8.0 - 1cm QCS @ 50° - 1% Fe Py						1.7
		8.2-8.9 - MV - locally bleached or void in texture; calcite stringers - are oxidized - slinks suggest from meteoric water	28579	8.2	8.9	0.7m	Nil	
		9.6-10.6 - MV - mod carb fract - variscite texture; locally siliceous sections or 1-2% Cu Py	28580	7.6	10.6	1.0m	7	
		11.0-12.0 - MV - mod carb fract - locally carb bleaching	28581	11.2	12.7	1.0m	Nil	
		@ 11.1 - oxidized py section - 2-2% Fe Py						
		@ 11.2 - 3cm QCS @ 65° - minor graphitic - tr Fe Py						
		12.6-13.6 - MV - mod carb fract + minor bleaching; tr Fe dissem Py	28582	12.6	13.6	1.0m	79	
		@ 13.2 - 1cm QCS @ 60° - tr Fe Py						
		13.6-14.6 - MV - mod carb fract - minor bleaching; 1-2% Fe Py dissem Py	28583	13.6	14.6	1.0	165	131
		@ 13.6 - 1cm QCS @ 54° - b. sh. - py becomes highly conc between 14.0-14.1 with 15% Fe → can py as coarse blebs to 1cm, blebs long axis @ 52°						3.2



DRILL LOG

Hole ID
K08-1

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Av (ppb)	
		14.6-15.8 - slightly altered, slightly bleached, highly fract'd MV, minor qtz-carb	28584	14.6	15.2	0.6	94	} -196
		irregular fract's with a 3 cm qtz-carb-chl. Vn. @ 15.0 @ 40°, ~2-3%	85	15.2	15.8	0.6	185	
		py as fine dissems + coarse blobs becomes highly conc. around 15.1 + 15.4 with coarse massive conc's to 1cm					pulp check 206	
		15.8-16.6 - altered, bleached highly fract'd MV, with an 8 cm interval of grey Qtz	28586	15.8	16.6	0.8	58	} 55 5.5
		Flooding @ 16.0 @ ~55° with ~5-7% py as fine to coarse 'chits', 1/4" py elsewhere						
		@ 16.2 - bx. chl-carb FLT @ 42° → 3 cm seen						
		16.4-16.6 - bx. ank-chl. FLT @ 40° in ground + broken core						
		16.6-18.3 - altered, bleached, bx MV with abundant sericite cementing angular to sub-angular MV clasts, 1-2% fg to mg py locally conc, 5% greyish qtz	28587	16.6	17.4	0.8	51	} 51 86
		fract's with a 2 cm qtz strgr. @ 16.8 @ 59°, 1-3 cm bx qtz-carb	88	17.4	18.3	0.9	86	
		strgr. @ 17.4 @ 30° + a flat 3 cm grey qtz strgr. 17.8-18.1 @ 10°						
		18.3-21.3 - altered bleached bx MV with sericite-chl cementing angular to sub-angular MV clasts, 1-2% fg-mg dissems py locally conc. with fract's, ~5%	28589	18.3	19.3	1.0	51	} 51 34
		irregular qtz-carb fractures throughout with a 2 cm grey qtz-ank	90	19.3	20.3	1.0	51	
		strgr. @ 18.4 @ 57°	91	20.3	21.3	1.0	34	
		21.3-23.5 - slightly altered, slightly bleached, fractured MV, tr-2% fg to mg py, minor irregular qtz-carb fractures + gashes throughout						
		23.5-25.2 - slightly altered, fract'd, highly bx MV, ~5% qtz-carb fracture + gashes	28592	23.5	24.5	1.0	24	} 24 1.7
		~1-2% fg to mg py locally conc	93	24.5	25.2	0.7	24	
		@ 24.9 - 2 cm qtz-carb strgr. @ 58° with fg-mg, euhedral p. conc along the strgr-MV contact						



DRILL LOG

Hole ID
K08-1

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		Pu (ppt)	
Bx			25.2-26.2 - slightly altered, fractured bx MV						
			26.2-27.0 - slightly altered, fractured bx MV with a highly irregular 1-3 cm Qtz-Carb-Py string @ 26.6 @ ~10°, ~20% fine py on coarse clasts to 2cm, to py elsewhere	28594	26.2	26.7	0.8	29	
			27.0-27.6 - slightly altered, bleached, fract'd, locally bx MV with two 1 cm. Qtz-chl. string @ 27.5 @ 38° with ~15% fg to mg py with string, to py locally elsewhere	28595	27.0	27.6	0.6	15	
			27.6-30.0 - slightly altered, slightly fract'd, locally bx MV						
Bx			30.0-30.4 - altered, highly fract'd slightly bleached, bx MV, ~5% greyish Qtz fractures & string with a 1 cm grey Qtz string @ 30.3 @ 45°, 1-2% fg to mg py becoming highly conc. along qs @ 30.3	28596	30.0	30.4	0.4	19	} 2.2 3.3
			30.4-31.4 - altered, fractured, somewhat bx MV, minor greyish Qtz-Carb fractures & gashes with 2-3% fg to mg py becomes highly conc. locally with Qtz-Carb gashes	28597	30.4	31.4	1.0	17	
			31.4-33.3 - altered, fractured, bleached, strongly bx MV, minor Qtz-Carb fract's & gashes with a 1 cm Qtz string @ 32.0 @ 65°, 1-2% fg-mg py conc with Qtz string @ 32.0 + locally with fractures	28598	31.4	32.3	0.9	26	
			@ 32.3 - str. chl-ser. slip @ 64° marks coated with congl. (?)	99	32.3	33.3	1.0	26	
33.3	33.8		Conglomerate (?) - clast supported with ~70% sub-angular to sub-rounded poly-lithic clasts to 5 cm in a chl-ser-carb matrix (replacement?), clasts exhibit var. fine to fine grain size areas to pale brown in colour - appears only at this	28600	33.3	33.8	0.5	249	} 3.0 0.9
			⇒ possible bx preferentially altered, bleached highly bx MV (oxidized bx clasts?), 1-2% fg to mg, dissem. py throughout				pulp check	411	



DRILL LOG

Hole ID
K08-1

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To			
			@ 33.8 - sharp, natural contact with MV @ 37°						
33.8	44.4		Mif. Volcanic - slightly altered, bleached greenish-grey, highly fractured initially, fg, homogeneous looking, massive, primary texture somewhat obliterated						
			@ 34.0 - str. chl-carb slip @ 45°						
			34.6-36.2 - altered, highly fract'd, bleached, greenish-grey MV, ~10% white qtz-carb, highly irregular fract's throughout, tr fine py	28951	34.6	35.2	0.6	5	4.9
				28954	35.2	36.2	1.0	MV 7	
				28952	blank			Nil	
			36.2-37.0 - altered, bleached, highly fract'd MV, ~10% greyish qtz-strgr's & fractures throughout interval with a 3 cm qtz-chl-ser fract. @ 36.6 @ 50° with 5-7% fg to mg py & a 5 cm br qtz-chl-ser fract. @ 36.9 @ 47° with 5-7% fg py as blebs to 0.5cm, 1-2% fg py elsewhere	28953	standard			5622	
				28955	36.2	37.0	0.8	12	
			37.0-38.5 - altered, bleached, highly fract'd, pale greenish-grey MV, ~5% carb qtz, irregular fract's & gashes throughout, tr fine py	28956	37.0	37.9	0.9	Nil	
				57	37.9	38.5	0.6	19	
			38.5-39.0 - altered, bleached, highly fract'd, pale greenish-grey MV, with a 1 cm qtz-carb strgr. @ 38.6 @ 56° & a 3 cm qtz-carb strgr. @ 38.7 @ 52°, 1-2% fg-mg py typically conc. with fract's	28958	38.5	39.0	0.5	24	
			39.0-39.5 - altered, bleached, highly fract'd, pale greenish-grey MV, ~5% qtz-carb fract's & gashes throughout with a 1 cm grey qtz-carb strgr. @ 39.2 @ 68°, a 1 cm grey qtz-carb strgr. @ 39.3 @ 56° & a 1 cm grey qtz-carb strgr. @ 39.4 @ 50°, 2-3% fg-mg py becomes highly conc. as hairline py strgr's along the margins of qz's	28959	39.0	39.5	0.5	Nil	



DRILL LOG

Hole ID
K08-1

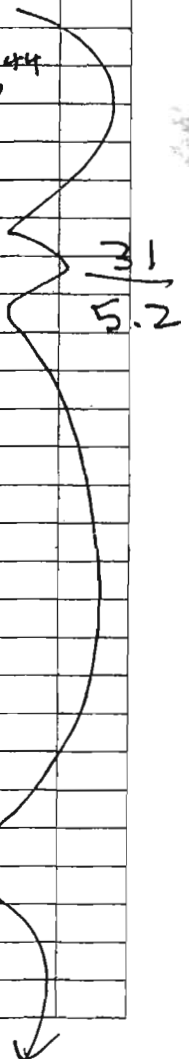
From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		A.(ppb)	
			39.5-42.5 - altered, bleached, fract'd, pale greenish-grey MV, ~5% greyish qtz-carb	28960	39.5	40.3	0.8	33	} 12 3.0
			Fract's + strag's throughout, 2-3% fg-mg py throughout becomes highly	61	40.3	41.0	0.7	14	
			conc. in fractures + along the margins of qtz's.	62	41.0	41.8	0.8	Nil	
				63	41.8	42.5	0.7	Nil	
			@40.5 - 1 cm. dark grey qtz-carb strag. @ 30°, py becomes highly conc. within and						
			along margins of strag						
			@40.9 - 3 cm. dark grey Qtz-Carb Vn. @ 50°, 10% fg-mg py ± cpy(?) as						
			clots + strag's within and along margins of QV						
			42.5-43.5 - slightly altered, greenish-grey, slightly fract'd MV, minor greyish qtz-carb	28964	42.5	43.5	1.0	Nil	} 6 1.9
			Fract's + strag's, 1-2% fg to mg py locally conc. with fract's						
			43.5-44.4 - altered, highly fract'd, slightly bleached MV, ~5% irregular qtz-carb	28965	43.5	44.4	0.9	12	
			Fract's throughout, abundant chl. fract-filling, tr fg py						
			@44.4 - sharp, natural contact with porphyry @ 40°						
44.4	SS.3		Feld-Qtz Porphyry - initially fairly fresh, grey, clast poor with only ~10% cg-mg, anhedra						
			to subhedral, white qtz phen's → pale brown K-spar phen's in a fg to locally						
			mg, felsic matrix massive, non-mag, minor dark grey, MV xenoliths to 5 cm.						
			44.4-SS.3 - fresh porph as described above						
			@50.3 - str. carb - chl. slip @ 23°						
			@55.3 - sharp, natural contact with variolitic MV @						



DRILL LOG

Hole ID
K08-1

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		g/t (ppt)	
55.3	69.3	Variolitic MV - initially altered, bleached, pale greenish-grey, fract'd, locally bx, variolitic texture with 5-40% sub-rounded to angular variolites to 2 cm in size, typically 1 cm in size.						
		55.3-56.1 - altered, bleached, fract'd VMV; abundant ser-chl. fract.-filling, 10% frag + fracture-filling, greyish Qtz-carb locally conc. with a 3 cm greyish Qtz-carb Vn @ 54.0 @ 60°, tr fg py	28966	55.3	56.1	0.8	72	430
		56.1-57.0 - VMV as described above with 5% frag + irregular Qtz. fract's conc around 56.9 with a 1 cm. qtz. strgr. @ 56.9 @ 36°, ~1-2% fg to mg py ± cpy conc. with fract's	28967	56.1	57.0	0.9	39	
		57.0-57.8 - VMV as described above, ~10% Qtz. fract's + strgr's with a 2 cm. highly irregular grey qtz. strgr. @ 57.3 @ 20° and a highly irregular 3-4 cm grey QV @ 57.5 @ 50°, ~2-3% fg, dissem py locally conc. with fract's	28968	57.0	57.8	0.8	48	
		57.8-61.1 - slightly altered bleached, slightly to locally highly fract'd VMV, ~5% greyish qtz. irregular fract's + strgr's locally conc. tr ~2% fg py throughout becomes highly conc. locally with fract's + qs's	28969	57.8	58.8	1.0	21	
			70	58.8	59.2	0.4	3	
		@ 59.3 - 4 cm. greyish QV @ 45° with 3-5% fg py conc. with fract's	28971	59.2	59.8	0.6	34	
6 cm. QV		⇒ @ 59.6 - 6 cm. greyish QV @ 28° with 5-7% fg py conc. with fract's						
		@ 59.8 - 1 cm. greyish qtz. strgr. @ 33°, fg highly conc. with qs	28972	59.8	60.5	0.7	15	
		60.0-60.1 - 20% highly irregular, grey qtz. fract's to 5 mm thickness						
		@ 60.6 - 1 cm. grey qtz strgr. @ 36°, tr py	28973	60.5	61.2	0.7	Nil	





DRILL LOG

Hole ID
K08-1

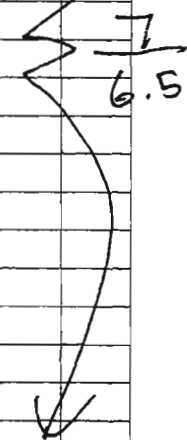
From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To			(g/g)
			61.2-63.9 - altered, bleached, fract'd, bx VMV, highly sericitized, ~5% greyish Qtz. Fract's + strgr's, ~2-3% fg-mg py conc. with fract's + qs's	28974	61.2	62.0	0.8	27	12 1.9
			@61.9 - 2 cm. greyish Qtz. strgr. @ 38°, 5-7% fg-mg py with qs						
			@62.2 - irregular 1-4 cm greyish Qtz. strgr. @ 50°, 7-9% fg-mg py with qs	28975	62.0	62.4	0.4	Nil	
			@62.4 - 7 cm. highly silicified fract @ 48°, 2-3% fg py, Qtz. Flooding + matrix replacement in highly altered, sericitized VMV						
			@63.5 - 1-2 cm. greyish Qtz. strgr. @ 70°, 3-5% fg-mg py	28976	62.4	63.2	0.8	77	65 3.4
				77	63.2	63.9	0.7	55	
			63.9-66.7 - altered, bleached, fract'd, slightly bx VMV, ~5% greyish Qtz. Fract's + strgr's, ~3-5% fg-mg py becomes highly conc. with fract's + qs's	28978	63.9	64.8	0.9	74	
				79	64.8	65.8	1.0	55	3-367 0.9
				80	65.8	66.7	0.9	322	
			@64.1 - 2 cm. grey Qtz. strgr. @ 35°, 5-7% fg-mg py as highly conc. coarse 'clots'				pulp check	411	
			66.7-67.7 - altered, bleached pale grey, fract'd, crushed VMV, primary texture somewhat obliterated, ~5% greyish Qtz. Fract's throughout, ~3-5% fg to mg py becomes highly conc. with fract's locally	28981	66.7	67.7	1.0	154	126 3.0
FLT?	⇒		67.0-67.2 - ground + broken core, probably indicative of a FLT @ 50						
			67.7-68.7 - bleached VMV - green - brown siliceous p-w 67.8-67.9; str continuation from 68.1-68.3 - mud seam @ 50° - broken core; locally to fg py; minor sericite alteration in siliceous sections	28982	67.7	68.7	1.0m	51	



DRILL LOG

Hole ID
K-08-1

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Au (ppb)	
		68.7-69.7 - MV - bleached - light grey; minor chl fract - mod pren-pump alteration - light green; core is rubble @ 69.0; L ₂ disseminated py but locally core is chls - 0.5-1.0cm @ 69.3 - highly altered causes dissimilation of core; gradual contact btw MV and MV	28983	68.7	69.7	1.0m	142	174
						pulp check	206	
69.3	73.6	Mafic Volcanic - non variolitic - as previously described -						
		69.7 - 70.7 - MV - mod bleaching to light green / grey - pren-pump - minor chl fract; @ 69.8 - 1-2cm QCS @ 90° - bulkish - braided - @ 70.5 - 1-2cm QCS @ 90° - bulkish - braided -	28984	69.7	70.7	1.0m	14	
		70.7 - 71.6 - MV - mod bleaching to light green / grey - pren-pump alteration - minor chl fract; @ 70.9 - locally sparsely - thin stringers - @ 71.0 - porphyry brecciated section in chl infilling	28985	70.7	71.6	0.9m	Nil	
		71.6 - 72.5 - MV - sample shows intense faulting in str chl alteration along flt planes; @ 71.7 - 3-4cm QCS @ 40° - 1-7% sulphides - 71.7 - 71.9 - sulphidic section in 9-12% Fe-mg sulphides - @ 72.3 - very str fault @ 42° - str chl alteration - locally 7-9% sulphides - minor gtz - MV downhole shows amygdaloid texture - in chl amygdaloid	28986	71.6	72.5	0.9m	Nil	
		72.5 - 73.5 - MV - highly altered = pump-pren + bleached - str faulting; light green P+P alt; @ 72.7 - 6cm fault zone in str chl alteration @ 40° - minor gtz @ 73.2 - 10cm fault zone in str chl alt @ 45° - braided QCS - 6-8cm in flt zone - tr fault - pre- or post- alteration -	28987	72.5	73.5	1.0m	12	
73.6		Porphyry - Qtz / Fe silicate phenocrysts in preferred orientation @ 90° - Contact in MV is sharp @ 45° - mod to str chl alteration - 2cm wide along contact; as previously described;						





DRILL LOG

Hole ID
K08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		g/t (ppb)	
		73.5 - 74.5 - Contact zone btw MV and Porphyry; light green/yellow iron-pump - sericite alteration of Porphyry; tr Fe dissemin. Py in Breccia; @ 74.4 - 2-3cm QCS @ 45° - bullish -	28988	73.5	74.5	1.0m	7	↑
		74.5 - 75.5 - Porphyry - mod. prop. alteration - light green; tr Fe dissemin. Py; @ 75.1 - 4cm QCS @ 45° - bullish -	28989	74.5	75.5	1.0m	12	
		75.5 - 76.2 - Porphyry - mod prop alt - light green/yellow; tr Fe dissemin. Py; locally siliceous;	28990	75.5	76.2	0.7m	3	
76.4		Chloritized Mafic Volcanic - aphanitic - light gray & abundant dark black chl fract; appears to be brecciated from chl locally - locally conc 2-3% sulphides as thin elem bands; minor carb fract & tr Fe Py along chl fract; contact in porphyry is faulted @ 45° & brecciated QCS and con chl fractures for 10cm;						
		76.2 - 76.8 - Porphyry & CMV contact zone & str fault @ 76.4; Porphyry shows minor hem alt; CMV shows mod prop alt; abundant carboniferous fracture @ 76.4; locally 1-2% Fe-Mn sulphides (P ₂) along chl fract;	28991	76.2	76.8	0.6m	21	↓
		76.8 - 77.8 - CMV - shows locally amygdaloid texture; locally conc - 2-3% Fe sulphides occurring as thin elem bands	28992	76.8	77.8	1.0m	Nil	
		@ 77.9 - 10cm QCS @ 35° - minor sericite + tr Fe Py; CMV is fresh;	28993	77.8	78.8	1.0m	Nil	
		78.8 - 79.8 - CMV - locally brecciated & chl infill; locally chl amygdaloid; @ 79.2 - 2cm QCS @ 30° & tr Fe Py = mod graphite; 79.6 - 79.8 - 1cm chl fract & carbonate runs parallel to core axis & local conc of 2-3% Fe Py;	28994	78.8	79.8	1.0m	5	

5
5.6



DRILL LOG

Hole ID
K08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Pu (ppb)	
		79.8 - 80.8 - CMU - fresh - minor carb fract; @ 79.9 - 2-3cm QCS @ 40° - tr Fe Py	28995	79.8	80.8	1.0m	10	↑
		80.8 - 81.8 - CMU - locally intense chl fract - locally brecciated w chl infilling; locally str carb fract; locally conc 2-3% Fe-Py along carb fract; @ 81.2 - 10cm carb fract zone @ 45° - str chl fract + minor graphite - possible fault zone;	28996	80.8	81.8	1.0m	Nil	
		82.6 - 83.6 - CMU - str chl fract - tr Fe Py along carb fract; mod chl amorphous; @ 82.9 - 4cm QCS @ 45° - tr Fe Py minor graphite @ 83.2 - 3cm QCS @ 45° - tr Fe Py - minor graphite;	28997	82.6	83.6	1.0m	Nil	}
		83.6 - 84.6 - CMU - mod carb fract; locally brecciated w chl infilling; locally conc 2-3% Fe Py along carb fract; @ 83.6 - 2cm QCS @ 50° - tr Fe Py;	28998	83.6	84.6	1.0m	3	
		84.6 - 85.6 - CMU - locally intense carb fract; @ 85.1 - 3cm QCS @ 90° - bullish; @ 85.3 - 3cm QCS @ 50° - bullish -	28999	84.6	85.6	1.0m	Nil	
		86.6 - 87.6 - CMU - locally str carb fract; locally conc 1-2% Fe-Py along chl fract; @ 87.1 - 3cm QCS @ 54° - bullish - minor graphite;	29000	86.6	87.6	1.0m	17	}
New Series →		87.6 - 88.6 - CMU - moderate carb fract - locally weakly brecciated sections w chl infilling; locally 1-2% Fe Py occurring as bands < 1cm;	28851	87.6	88.6	1.0m	5	
		89.9 - 90.9 - CMU - mod carb fract; locally mod brecciated sections w chl infilling; locally 1-2% Fe Py occurring as bands along chl fract < 1cm;	28852	89.9	90.9	1.0m	14	}
		91.9 - 92.9 - CMU - locally str brecciated w chl infilling; locally 1-2% Fe Py occurring as bands along chl fract;	28853	91.9	92.9	1.0m	12	

5
5.0

13
2.0



DRILL LOG

Hole ID
K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		g	ppb
		93.6 - 94.4 - CMU - minor to mod carb fract; locally amygdaloid - chl filled; tr Fe Py along carb fract; @ 93.7 - 2cm QCS @ 45° - bluish	28854	93.6	94.4	0.8m	3	
		94.4 - 95.4 - CMU - minor brecciation & chl infilling; mod carb fracturing; locally amygdaloid - chl filled; tr Fe Py occurring as clots in chl fract; @ 94.9 - 2cm QCS @ 45° - tr Fe Py;	28855	94.4	95.4	1.0m	10	
		95.4 - 96.2 - CMU - mod brecciation & chl infilling; minor carb fract; locally chl filled amygdaloid texture; @ 95.7 - 1cm sulphide rich band (9-12% Fe-Pb) occurs along chl fract @ 45°	28856	95.4	96.2	0.8m	14	
		96.2 - 97.2 - CMU - moderate carb fracturing; 1% Fe-Pb occurring as clots along chl fract; @ 96.3 - 96.5 - minor brecciated & chl + Qtz infilling - mod bleaching + tr Fe Py; @ 97.2 - 3cm QCS @ 45° - bluish	28857	96.2	97.2	1.0m	Nil	
		97.2 - 98.2 - CMU - str chl orientation in preferred orientation @ 45° - minor pyrite alt 1-2% Fe Py locally conc around QC infilling; QC infilling is locally str	28858	97.2	98.2	1.0m	14	
		98.2 - 99.2 - CMU - mod chl + carb fract @ 45° - locally siliceous sections; tr Fe disseminated Py;	28859	98.2	99.2	1.0m	15	
		99.2 - 100.2 - CMU - mod chl + carb fract @ 45° - tr Fe Py; @ 99.6 - 3cm QCS @ 34° - tr Fe Pb	28860	99.2	100.2	1.0m	3	
100.3	100.8	Porphyry - Qtz - Epidote as previously described - 50cm diameter upper and lower contacts are characterized with a gcs; upper contact @ 35° - lower contact @ 45°						
		100.2 - 101.2 - CMU and Porphyry dolerite; CMU is amygdaloid - porphyry is fresh; tr Fe Py in QCS; @ 100.3 - 6cm QCS @ 40° - tr Fe Pb @ 100.4 - 6cm QCS @ 45° - bluish	28861	100.2	101.2	1.0m	7	

7
3.6

9
4.4



DRILL LOG

Hole ID

K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays
				From	To		
		101.2-101.6 - CMV - str brecciation = chl infilling; @ 101.3 - 4cm sulphide band @ 55° - 5-7% Fe Py	28862	101.2	101.6	0.4m	Al(ppb) 3
		103.9-104.9 - CMV - str brecciation = calcification; tr Fe Py occurring along chl fract; 103.9-104.2 - section is heavily chloritized - entire section - dark black chl & carb fracturing - 1-2% Fe Py in carb fractures;	28863	103.9	104.9	1.0m pulp check	65 430 40 1.0
106.0	106.4	Porphyry - 40cm diameter - flat floor as described earlier - upper contact is sharp @ 40° - lower contact is sharp @ 54° -					
106.4	109.1	Variable Mafic Volcanic - as previously described - upper contact is sharp @ 54° - lower contact is sharp @ 60° -					
109.1	109.8	Porphyry - as previously described - upper contact sharp @ 60° - lower contact is sharp @ 45° -					
109.8	113.0	Chloritized Mafic Volcanic - as previously described - upper contact @ 45° -					
		106.7-107.7 - VMV - locally str brecciation + pump alteration; moderate carb fract @ 1-2% mg-Cu Py locally conc along carb fractures;	28864	106.7	107.7	1.0m	Nil
		107.7-108.7 - VMV - minor chl fracturing - minor carb fracturing; tr Fe dissem Py;	28865	107.7	108.7	1.0m	12
		109.7-110.6 - Contact btw Porphyry and CMV - porphyry is fresh - CMV is partially brecciated w moderate str carb fract;	28866	109.7	110.6	0.9m	Nil
		110.6-111.6 - CMV - locally str brecciation = chl infilling; tr Fe dissem Py along chl fractures;	28867	110.6	111.6	1.0m	12
		111.6-112.6 - CMV - locally str brecciation = chl infilling; tr Fe dissem Py along chl fractures; minor carb fracturing;	28868	111.6	112.6	1.0m	10

Handwritten notes and calculations on the right side of the table, including a large bracket grouping the last four rows and the numbers 6, 2.0, 40, and 1.0.



DRILL LOG

Hole ID

K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		g/t (ppb)	
113.0		Porphyry - as described earlier - sharp contact \approx CMV @ 40°						
	112.6 - 113.6	CMV & Porphyry contact zone - to A_2 dissemin P_2 in CMV; Porphyry is fresh \approx minor carb fracturing; locally 1-2% $A_2 P_2$ along carb fractures;	28869	112.6	113.6	1.0m	Nil	<div style="text-align: right;"> $\frac{4}{9.9}$ </div>
	113.6 - 114.6	Porphyry - fresh - moderate carb fracturing @ 50°; to $A_2 P_2$ + asphene along carb fractures;	28870	113.6	114.6	1.0m	Nil	
	114.6 - 115.6	Porphyry - fresh - mod carb fract; carb fractures are locally slightly graphitic \approx 2-3% conc of $A_2 P_2$; to A_2 disseminated P_2 - euhedral to subhedral;	28871	114.6	115.6	1.0m	2	
	115.6 - 116.6	Porphyry - mod carb fract - minor bleaching of matrix; to A_2 disseminated P_2 ; locally 2-3% $A_2 P_2$ conc along carb fractures; @ 116.4 - Zone QCS @ 17° - 1-2% $A_2 P_2$ - graphitic -	28872	115.6	116.6	1.0m	2	
	116.6 - 117.6	Porphyry - mod carb fract - minor bleaching of matrix; to A_2 disseminated P_2 ; locally 2-3% $A_2 P_2$ conc along carb fractures; @ 116.9 - 4cm QCS @ 21° - 1-2% locally conc P_2 + minor asphene -	28873	116.6	117.6	1.0m	2	
	117.6 - 118.6	P_2 - fresh - minor carb fracturing; to $A_2 P_2$ conc along in Porphyry;	28874	117.6	118.6	1.0m	11	
	118.6 - 119.6	Porphyry - fresh - minor carb fract; to A_2 dissemin P_2 ;	28875	118.6	119.6	1.0m	2	
	119.6 - 120.6	Porphyry - fresh - minor carb fract; to A_2 dissemin P_2 ;	28876	119.6	120.6	1.0m	446	
	120.6 - 121.6	Porphyry - fresh - minor carb fract @ 42° - to A_2 dissemin P_2 - to M_2 ;	28877	120.6	121.6	1.0m	9	
	121.6 - 122.6	Porphyry - fresh - minor carb fract; to $A_2 P_2$ occurring as clots in Porphyry;	28878	121.6	122.6	1.0m	12	
	122.6 - 123.6	Porphyry - fresh - minor carb fract; to $A_2 P_2$;	28879	122.6	123.6	1.0m	5	

pulp check 446 } 238
430 } 1.0



DRILL LOG

Hole ID
K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		A.Lpph	
		123.6 - 124.6 - Porphyry - fresh - minor carb fract in ls graphite + tr Fe Py; @124.3 - 6cm QCS @ 85° - bullion -	28880	123.6	124.6	1.0m	7	7 7.0
		124.6 - 125.6 - Porphyry - fresh - tr Fe disseminated Py;	28881	124.6	125.6	1.0m	3	
		125.6 - 126.6 - Porphyry - locally siliceous blowouts in ls graphite + tr Fe Py;	28882	125.6	126.6	1.0m	3	
		126.6 - 127.6 - Porphyry - tr Fe disseminated Py;	28883	126.6	127.6	1.0m	9	
128.2		Chloritized Platte Volcanic - Sharp contact @ 54° - significant spherulites; locally unaltered;						6 6.0
		127.6 - 128.6 - Porphyry / CMV contact zone - contact is cherty - CMV is high altered w/ mod bleaching; @128.5 - 1cm QCS @ 35° - tr Fe Py;	28884	127.6	128.6	1.0m	5	
		128.6 - 129.6 - CMV - highly altered - locally bleached - tr Fe disseminated Py; @129.1 - 4cm QCS @ 50° - locally 1-2% Fe Py;	28885	128.6	129.6	1.0m	2	
		129.6 - 130.6 - CMV - high altered - uneven texture - locally bleached + tr Fe disseminated Py; @129.8 - 5cm QCS @ 50° - minor graphite + 1-2% Fe Py;	28886	129.6	130.6	1.0m	9	
		130.6 - 131.6 - CMV - moderate carb fract; carb fract are sparse - graphite in local conc. of 1-2% Fe Py - CMV has spherulites locally;	28887	130.6	131.6	1.0m	7	
		131.6 - 132.6 - CMV - significant spherulites and alteration texture; tr Fe Py locally in a Fe fracture and bleas;	28888	131.6	132.6	1.0m	5	
		132.6 - 133.6 - CMV - local minor spherulites - moderate brecciation - bleached w/ chl infilling - minor carb fract; tr Fe disseminated in chl fract and also carb fract;	28889	132.6	133.6	1.0m	5	



DRILL LOG

Hole ID
K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		g/g	g/t
		133.6 - 134.6 - CMV - moderate heated brecciation w/ chl infilling; local spheralites; tr Fe Pb in chl fractures;	28890	133.6	134.6	1.0m	3	
		134.6 - 135.6 - CMV - locally str heated brecciation w/ chl infilling; locally spheralites; tr Fe Pb occurs in chl fract;	28891	134.6	135.6	1.0m	7	
		135.6 - 136.6 - CMV - minor brecciation w/ chl infilling; locally spheralites; locally conc 2-3% Fe Pb in carb fractures around QCS;	28892	135.6	136.6	1.0m	9	6 5.5
		@ 136.0 - 6cm QCS @ 35° - tr Fe Pb;	28893	blank		9		
		@ 136.0 - 6cm QCS @ 35° - tr Fe Pb;	28894	Std -		2589		
		@ 137.4 - 2x 1cm QCS @ 40° - bullish						
		138.8 - 139.8 - CMV - moderate heated brecciation w/ chl infilling; locally spheralites; @ 138.9 - 2cm QCS @ 25° - 1-2% Fe Pb;	28895	138.8	139.8	1.0m	3	
		@ 139.1 - 1cm braided QCS @ 25° - tr Fe Pb;						
		@ 141.8m - 1cm QCS @ 45° - locally 1-2% Fe Pb;	28896	141.5	142.0	0.5m	14	
		@ 143.5 - 12cm QCS @ 45° - minor ankerite - minor sericite + grey qtz; locally tr Cu Pb;	28897	143.0	144.0	1.0m	10	12 1.7
		@ 144.3 - 1cm QCS @ 45° - locally 1-2% Fe Pb; CMV is moderately brecciated w/ heated chl infilling;	28898	144.0	144.7	0.7m	17	
		146.6 - 147.5 - CMV - locally abundant spheralites; moderate conc fracture = 1-2% Fe Pb conc along carb fract;	28899	146.6	147.5	0.9m	3	
		149.3 - 150.3 - CMV - locally abundant spheralites; minor carb fract; minor bleaching; @ 149.7 - 12cm QCS @ 80° - minor graphite + prehnite alt; tr Fe Pb;	28900	149.3	150.3	1.0m	3	

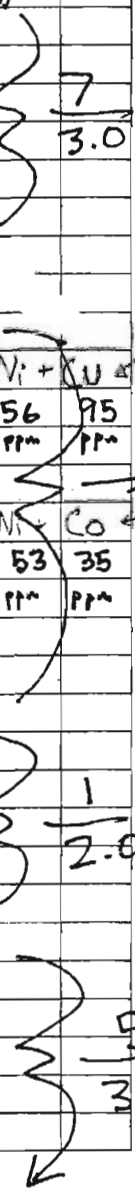


DRILL LOG

Hole ID
K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays			
				From	To		Pb (ppb)			
		150.3-151.3 - CMV - locally abundant spherulites - moderate carb fract to fr Py along carb fract; @ 150.8 - 1cm QCS @ 50° - fr Py	28701	150.3	151.3	1.0m	3			
								7		
								3.0		
		151.3-152.3 - CMV - locally bleached - localized spherulites - minor carb fract to fr Py along carb fract;	28702	151.3	152.3	1.0m	15			
		@ 154.0-5cm QCS @ 35° - fr Py - mg Py; CMV has localized spherulites;	28703	153.8	154.8	1.0m	5			
		158.1-159.1 - CMV - minor bleaching; locally spherulites; moderate carb fract; @ 158.3 - 8cm QCS @ 35° - 1% fr Py + brassy sulphide occurring as clots @ 158.4 - 3cm QCS @ 35° - 1% fr brassy sulphide occurring as clots	28704	158.1	159.1	1.0m	Au = Ni + Cu	9	56	95
							Pb	ppm	ppm	6
		@ 159.8 - 10cm QCS @ 25° - 1% fr Py + 1% fr brassy sulphide occurring as clots along QCS contacts;	28705	159.1	160.1	1.0m	Au + Ni	3	53	35
							Pb	ppm	ppm	
		160.1-161.1 - CMV - mod carb fract; locally amygdaloidal ± chl filled; @ 160.2 - 3 parallel - 1cm QCS @ 35°	28706	160.1	161.1	1.0m	5			
		162.0-163.0 - CMV - mod carb fract; 1% fr Py - brassy metallic occur along chl + carb fractures;	28707	162.0	163.0	1.0m	Ni			
		@ 163.7 - CMV - mod brecciation ± chl infill; local 1-2% fr Py conc in chl fractures; minor carb fract;	28708	163.0	164.0	1.0m	2			
		167.9-168.9 - CMV - minor healed brecciation ± chl infill; mod carb fracturing; locally 1% fr Py along carb fract and disseminated in chl; 1% fr Py on fract;	28709	167.9	168.9	1.0m	5			
		168.9-169.9 - CMV - minor carb fract; local 1-2% fr Py along carb fract;	28710	168.9	169.9	1.0m	2			

Copper
3.0
Cobalt





DRILL LOG

Hole ID
K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Ag (ppb)	
		@ 170.4 - 2-3cm brecciated QCS @ 35° - 1-2% Fe Py; CMV has mod carb fracturing;	28711	169.9	170.9	1.0m	9	↑
		172.8 - 173.8 - CMV - locally mod brecciation in chl infilling; tr Fe Py along chl fract; minor carb fracturing;	28712	172.8	173.8	1.0m	7	} 6 2.0
		@ 173.0 - 2-3cm QCS @ 25° - nuggy in equidist Qtz x-striae; 1-2% Fe-mg Py along boundaries;						
		173.8 - 174.8 - CMV - very fresh - little chl fracturing; tr Fe Py;	28713	173.8	174.8	1.0m	5	}
		@ 174.4 - 2cm QCS @ 42° - 1-2% Fe Py;						
		@ 176.1 - 1cm QCS @ 12° - bullish -						
		177.4 - 178.4 - CMV - locally brecciated with carb infilling; 1-2% Fe Py in QCS infilling;	28714	177.4	178.4	1.0m	189	} 163
						pulp check	137	
		180.9 - 181.8 - CMV - minor carb fract in local conc of 1-2% Fe Py along fract;	28715	180.9	181.8	0.9m	7	
183.1	2054	Variable Mafic Volcanic - as described earlier - contact is sharp @ 45° -						
		182.8 - 183.8 - Contact btw CMV and VMV - thin carbonate fracture along contact @ 45° - CMV is fresh; VMV has moderate carb fract & local conc of 1-2% Fe Py;	28716	182.8	183.8	1.0m	15	
		185.1 - 186.1 - VMV - has mod carb fract; tr Fe Py disseminated -	28717	185.1	186.1	1.0m	9	} 7
		@ 185.6 - 1cm QCS @ 40° - bullish -						
		186.1 - 187.0 - VMV - has minor carb fract - mod bleaching;	28718	186.1	187.0	0.9m	5	} 2.9
		187.0 - 188.0 - VMV - mod bleaching - minor carb fract; tr Fe Py -	28719	187.0	188.0	1.0m	7	
		@ 187.1 - 1cm QCS @ 85° - bullish						
		@ 187.3 - 1cm QCS @ 85° - bullish -						



DRILL LOG

Hole ID
K-08-01

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Au (ppb)	
		192.4 - 193.4 - VMV - mod carb fract; @ 193.2 - 3-4cm QCS @ 55° - locally 1-2% Fe Py	28720	192.4	193.4	1.0m	9	
		194.5 - 195.5 - VMV - mod carb fract; slightly amygdular - bleached; 1% Fe Py along carb fract;	28721	194.5	195.5	1.0m	9	
		197.4 - 198.4 - VMV - moderate carb fract; to Fe Py zone along carb fract;	28722	197.4	198.4	1.0m	15	
		@ 200.3 - 4cm QCS @ 40° - bluish	28723	199.9	200.9	1.0m	15	
		201.9 - 202.9 - VMV - moderate carb fract; locally amygdular @ 202.0 - 7cm QCS @ 55° - 1-2% Fe Py @ 207.3 - 10cm oxidized QCS @ 55° - 1-2% Fe Py	28724	201.9	202.9	1.0m	3	
		202.9 - 203.9 - altered, bleached VMV, no evidence of mineralization						
		203.9 - 204.7 - altered, bleached, pale grey VMV, primary texture somewhat obliterated, highly sericitized with a 2cm qtz string @ 204.0 @ 50° with ~7-9% finely dissem py and a 1cm qtz string @ 204.5 @ 40° with tr py	28725	203.9	204.7	0.8	9	
		204.7 - 205.4 - altered bleached VMV, ~1-2% vfg dissem py throughout with a 1cm qtz string @ 204.8 @ 45°, tr py with qs	28726	204.7	205.4	0.7	9	
		@ 205.4 - sharp, natural contact with qtz. porph @ 30'						

14
3.5



DRILL LOG

Hole ID

K-08-01A

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Ag (ppb)	
205.4	213.0	Qtz Porphyry - altered, bleached, grey, primary texture slightly obliterated with 45% coarse-grained Qtz. Porphyry to 1 cm, ~20% coarse granular 'clots' of chl. throughout (replacement?), in a fine-grained, crystalline, intermediate matrix						
		205.4-207.0 - porph as described above, abundant irregular chl. fract's, 1-2% vfg dissemin py throughout	28727	205.4	206.1	0.7	24	↑
			728	206.1	207.0	0.9	19	
		207.0-207.4 - porph as described above with a 1 cm Qtz. string @ 207.1 @ 50° with 2-3% vfg py conc. with fract's, 2-3% vfg dissemin py elsewhere	28729	207.0	207.4	0.4	5	
		207.4-211.1 - slightly altered, bleached, grey porph @ 210.6 - 1 cm chl-bull Qtz-carb fract. @ 40°, not mineralized						
		211.1-211.5 - altered, bleached, grey porph, 3-5% vfg dissemin py throughout	28730	211.1	211.5	0.4	7	
		211.5-213.0 - slightly altered, bleached, grey porph. @ 213.0 - sharp, natural contact with bleached MV @ 60°						
213.0	215.0	Mafic Volc. - bleached, pale grey, pillowed, chl-carb fract's, fine-grained, uniform texture, probable int-mafic composition						
		213.0-217.1 - bleached MV as described above @ 216.1 - 4 cm bull Qtz-carb Vn @						
		217.1-217.6 - altered, bleached, friable MV, abundant irregular chl fract's with a 1 cm Qtz string @ 217.2 @ 35° a 1 cm Qtz string @ 217.4 @ 43° and a 2 cm Qtz string @ 217.5 @ 33°, no vfg py, doesn't appear mineralized	28731	217.1	217.6	0.5	77	



DRILL LOG

Hole ID

K08-01A

		Description	Sample #	Sample Footage		Sample Length	Assays	
From	To			From	To		Ag (ppb)	
		218.1-219.0 - bleached, fract'd MV with a 4 cm. Qtz.-Chl.-Carb V. @ 218.3 @ 35° and a 6 cm. Qtz.-Carb V. @ 218.9 @ 29°, doesn't appear mineralized	28732	218.1	219.0	0.9	5	
		219.0-221.6 - altered, bleached, fract'd MV						
		221.6-222.1 - altered, bleached, fract'd MV, minor greyish gtz. fract's & blebs with minor fg py locally conc. with gtz blebs	28733	221.6	222.1	0.5	3	
		222.1-223.6 - altered, bleached MV						
		223.6-225.0 - altered, bleached pale grey locally highly fract'd MV, with abundant chl. & minor irregular gtz. fract's conc. around 224.2, ~1-2% py & cpy conc. with fractures	28734	223.6	224.3	0.7	3	} 4.0
			735	224.3	225.0	0.7	5	
		@ 224.2 - str. chl. slip @ 57°						
		@ 225.0 - END OF HOLE						
			28393	Poly-Met. standard			5829	



DRILL LOG

Hole ID K08-02
Project KIRANA
Drill Company CABO

Overburden Depth	End of Hole (m) 132.0	Date (yyyy/mm/dd) June 18/08	Logged By KEN RATTEE GREG MATHESON	Core Size NQ
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Location (NAD 83) E-573734 N-5338034	Location (Grid)	Elevation
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Comments

Bearing		
Depth	Azimuth	Dip
At Collar	142°	-45°
9m	139.2°	-44.2°
65m	140.2°	-43°
132m	140.1°	-41.1°

Footage		Description	Sample #	Sample Footage		Sample Length	Assays	
From	To			From	To			
0.0	2.0	Casing						
2.0	33.1	Mafic Volc. - initially altered, fract'd, dark greyish-green to bleached pale grey primary texture somewhat obliterated, appears to be a fine-grained, pillowed MV						
		2.0-3.0 - altered, fract'd MV as described above, somewhat bx throughout, minor qtz-carb 'gashes' throughout, 1-2% fg py conc. in fract's as hairline stringers	28736	2.0	3.0	1.0	42	
		3.0-6.7 - altered, fract'd, locally bx MV, minor bullish qtz-carb stringers & fract's throughout, 3-5% fg-mg py as dissem's or conc. along fract's as stringers to 5mm	28737	3.0	4.0	1.0	45	42
			738	4.0	5.0	1.0	19	
			739	5.0	6.0	1.0	58	
			740	6.0	6.7	0.7	45	
		@3.4 - 3 cm bullish qtz-carb string. @ 40°						
		@3.6 - 4 cm bullish qtz-carb string. @ 55°						
		@4.6 - 2 cm. qtz-carb - k-apw string. @ 23°						
		@5.5 - 2 cm. grey qtz string. @ 40°						



DRILL LOG

Hole ID
K08-02

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		Au(ppb)	
			@ 6.2 - 2 cm. grey qtz. strgr. @ 20°, with 5-7% fg py conc. with fract's						
			6.7 - 8.1 - altered, fract'd MV						
BX			8.1 - 11.6 - altered, fract'd bleached greenish-grey, bx MV, highly sericitized matrix cements sub-angular MV frags to 4 cm, 2-3% fg-cg py locally conc. as coarse clots & strag's, minor greyish-whitish Qtz. strag's & fract's throughout,	28741	8.1	9.0	0.9	312	} 17 } 2.6
				742	9.0	9.9	0.9	27	
				743	9.9	10.6	0.7	22	
				744	10.6	11.6	1.0	5	
			@ 10.0 - 5 cm. white Qtz. Vn. @ 37°						
			@ 10.8 - 1 cm. greyish qtz. strgr. @ 35°						
			@ 11.2 - 1 cm. greyish qtz. strgr. @ 45°						
BX			11.6 - 14.9 - altered, fract'd, bleached pale greyish-green bx MV sericitized matrix cements sub-angular MV frags, ~5% greyish-white Qtz. strag's & irregular fract's throughout, 1-2% fg-mg py locally conc. with fract's	28745	11.6	12.4	0.8	33	} 23 } 2.5
				746	12.4	13.2	0.8	22	
				747	13.2	14.1	0.9	15	
				748	14.1	14.9	0.8	7	
			@ 12.2 - 2 cm. greyish-white qtz. strgr. @ 47°						
			12.4 - 12.7 - irregular, flat, 1-4 cm greyish-white qtz. strgr @ 14°						
			@ 13.0 - 2 cm greyish-white qtz. strgr. @ 33°						
			@ 13.7 - 2 cm. greyish qtz. strgr. @ 27°						



DRILL LOG

Hole ID
K08-02

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		(Au) (ppb)	
	14.9	18.9	altered, bleached pale greenish-grey, somewhat fract'd MV, minor greenish-white qtz. fract's throughout, Hr fg py throughout, locally highly conc. with fract's & qz's	28749	14.9	15.9	1.0	8	} 11 4.5
				750	15.9	16.7	0.8	10	
				28401	16.7	17.4	1.0	18	
				402	17.4	18.3	0.9	9	
			@15.3 - 1 cm. qz @ 55°	403	18.3	18.9	0.6	22	
			@16.3 - 1 cm. greyish qz @ 34°, ~5-7% fg-mg py with qz.	28404		standard		5726	} 16 1.6
				405		blank		3	
			@17.2 - 1 cm. greyish qz @ 60°						
	18.9	20.4	altered, bleached pale greyish-green, somewhat bx MV, 1-2% fg py locally conc. as blebs, minor < 1 cm. qz's generally @ 45°	28406	18.9	19.9	1.0	12	
			@19.4 - str. chl. slip @ 43°						
BX	20.4	21.6	altered, bleached, pale greyish-green, fractured bx MV						
			@21.0 - str. chl. slip @ 50°						
	21.6	24.5	altered, fract'd, bleached, somewhat to highly bx MV, ~5% greyish qtz. strar's & fractures, fracturing irregular though generally @ 35°, ~1-2% fg py locally highly conc. with fract's & strar's	28407	21.6	22.4	0.8	7	} 11 3.4
BX				408	22.4	23.4	1.0	10	
				409	23.4	24.0	0.6	15	
				410	24.0	25.0	1.0	14	
			@22.3 - 7 cm. greyish-white qz @ 58°						
py =>	23.9		1 cm greyish qz @ 43°, py rich with 15-20% fg-mg py with qz						
	24.0	24.1	ground & broken core, no evidence of significant structure						

DRILL LOG



Hole ID
K08-02

		Description	Sample #	Sample Footage		Sample Length	Assays	
From	To			From	To		g (ppb)	
		24.5-28.7 - altered, fract'd, bleached pale greenish-grey, somewhat to highly bx MV, minor greyish qtz. fract's throughout, 1-2% fg py locally conc. with fractures	28411	25.0	25.9	0.9	3	<div style="text-align: right;"> <u>6</u> 2.7 </div>
	BX		412	25.9	26.8	0.9	10	
			413	26.8	27.7	0.9	5	
			414	27.7	28.7	1.0	21	
		@ 27.7 - str. chl. slip @ 45°						17
		28.7-33.1 - altered, fract'd, bleached pale greenish-grey, somewhat to highly bx MV, ~5% greyish qtz. fracture's, star's & frag's throughout, 1-2% fg → mg py poor distributed being highly conc. with fractures & qtz. frags	28415	28.7	29.6	0.9	10	<div style="text-align: right;"> <u>3.0</u> </div>
	BX		416	29.6	30.1	0.5	26	
			417	30.1	30.7	0.6	14	
			418	30.7	31.7	1.0	5	
		@ 30.2 - 1-7 cm. highly irregular, dark grey Qtz fracture-filling → frag with 9-11% finely dissem py	419	31.7	32.4	0.7	5	<div style="text-align: right;"> 7 </div>
qtz, py ⇒			420	32.4	33.1	0.7	10	
		@ 32.0 - 3-4 cm. irregular grey qtz. strgr. @ ~ 40°						<div style="text-align: right;"> <u>3.4</u> </div>
		@ 32.2 - 1-2 cm. irregular greyish qtz. strgr. @ 60°						
		@ 33.1 - sharp, natural contact with porph. @ 45°						
33.1	42.0	Feldspar Porphyry - freshens past 34.0 to dark brownish-grey, slightly altered with 5-10% ca to mg, subhedral to euhedral K-spar phenos in a fine-grained, intermediate matrix						
		33.1-34.0 - altered, bleached, pale brown porph. primary texture somewhat obliterated, ~5% bluish qtz. irregular fract's, doesn't appear mineralized	28421	33.1	34.1	1.0	7	
		@ 33.9 - str. chl. carb slip @ 25°						
		34.0-42.0 - porph. freshens as described initially, becomes pheno poor towards 42.0						

DRILL LOG



Hole ID K08-02

From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		Au (ppb)	
		@35.2 - 1 cm. white carb-bull qtz. fract. @ 10'						
		@42.0 - contact with bx MV lost in ground & broken core						
42.0		Bx Mafic Vlc. - highly bx with 40% angular to sub-angular MV clasts to 4cm, matrix supported with a bleached, pale gray vfg highly sericitized matrix, clasts 100% MV						
		43.4-44.0 - highly bx MV as described above, with a 1-3 cm. greyish qtz. strar. @ 43.5 @ 37° and a 1-2 cm. greyish qtz. strar. @ 43.9 @ 22° with 5-7% fg → mg py, 1-2% fg → mg elsewht conc. with fract's	28422	43.4	44.0	0.6	7	
		44.0-45.9 - highly bx MV as described above, minor greyish qtz. fract's throughout with a 1 cm greyish qtz. strar @ 45.8 @ 47°, ~1-2% fg → mg py locally highly conc. with fract's	28423 424	44.0 45.0	45.0 45.9	1.0 0.9	14 67	
		45.9-50.2 - altered, highly bx MV as described above 5% greyish qtz. fract's & strar's to 1 cm throughout, generally @ 40°, ~2-3% fg → mg py ≠ cpv throughout becomes highly conc. locally with fract's & qtz's	28425 426 427 428	45.9 46.9 47.9 48.7	46.9 47.9 48.7 49.5	1.0 1.0 0.8 0.8	5 98 93 89	
		@47.3 - 1 cm greyish qs @ 42°, ~5-7% fg → mg py	427	47.3	50.2	0.7	41	
	py ⇒	@48.6 - 1 cm. greyish qs @ 39°, 25% fg → mg py ≠ cpv, total replacement of qs locally						
		@49.2 - 1 cm. greyish qs @ 20°, ~7-9% fg → mg py						
		@49.4 - 1 cm. greyish qs @ 20°, ~5-7% fg → mg py						

24
 3.5
 75
 4.5

DRILL LOG



Hole ID
K08-02

VM

45°

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		Ag (ppb)	
			@ 49.7 - irregular hairline to 1 cm. greyish qs @ 30° with 70% py ± cpy replacement over a 5 cm. length						
			@ 50.1 - 2x 1 cm. greyish qs separated by 2 cm, @ 45°, ~9-11% fg → mg py ± cpy						
			50.2 - 51.0 - altered, highly fract'd, bx MV, ~20% dark grey Qtz. fract's + strar's throughout becoming highly conc between 50.5' - 50.8 with highly irregular 1-2 cm grey Qtz qs @ 14°, ~7-9% fg py becomes highly conc in Qtz rich interval 50.5-50.8	28430	50.2	51.0	0.8	45	
20%	Qs's + py	⇒							
			51.0 - 51.4 - altered, fract'd, bx MV, minor greyish Qtz. fract's, ~2-3% fg → mg py locally conc. with fract's.	28431	51.0	51.4	0.4	70	
5 cm	QV + py	⇒							
			51.4 - 52.2 - altered, highly fract'd bx MV with a 2 cm. greyish Qtz. strar. @ 51.5 @ 45; and an 8 cm. greyish, wispy Qtz Vn. @ 52.0 @ 55°, 10% greyish Qtz. fract's elsewhere, ~5-7% fg → mg py becomes highly conc. & locally massive with 2 cm. & 8 cm QV's.	28432	51.4	52.2	0.8	123	
			52.2 - 54.5 - altered, fract'd bx MV, ~5-10% greyish Qtz. fract's + strar's throughout & 3-5% fg → mg py locally highly conc with Qtz. strar's & fract's	28433	52.2	52.8	0.6	46	
				434	52.8	53.4	0.6	161	
				435	53.4	53.8	0.4	168	
				436	53.8	54.5	0.7	111	
			@ 53.1 - 2 cm. py ± cpy ± Qtz. strar. @ 59°						
			@ 53.2 - 2 cm. greyish qs @ 53°						
4 cm	QV	⇒							
			@ 54.1 - irregular 1-4 cm. dark grey Qtz. Vn. @ 15°, ~5-7% fg py conc with fract's with Qtz.						

119
3.1

DRILL LOG



Hole ID
K-08-02

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		As (ppb)	
			54.5-55.5 - Brecciated MV - locally very porphyritic in conc of 9-12% Fe Py in mod carb fracturing; minor bleaching - sericite alteration; @ 54.2 - 5-8cm QCS @ 50° - minor graphite = 2-3% Fe Py	28437	54.5	55.5	1.0m	60	90 4.0
			55.5-56.5 - Brecciated MV - locally po conc of 2-7% Fe Py some carb fractures; mod bleaching + minor sericite alt; @ 55.9 - 3cm QCS @ 40° - brecciated @ green Qtz?	28438	55.5	56.5	1.0m	74	
			56.5-57.5 - Brecciated MV - moderate bleaching - str leucocane alteration (yellow); Qtz flooding from 56.8-57.0; @ 57.3 - 3-4cm QCS @ 40° - whole local conc 2-9% Fe Py;	28439	56.5	57.5	1.0m	144	
			57.5-58.5 - Contact zone b/w Brecciated MV and chl fractured MV - moderate leucocane and ep alteration in BMV; locally conc 3-5% Fe Py in BMV and CMV; @ 57.8 - 3-4cm QCS @ 38° - minor graphite + Fe Py; @ 58.1 - 15-20cm fault zone - contact b/w MV units; K-feld; fault @ 42°	28440	57.5	58.5	1.0m	81	
str fault	⇒								
58.3	77.0		Chlorite Fractured Matrix Volcanic - light green / grey - abundant chl fracturing; local chl amygdales; minor carb fracturing locally; locally conc of Fe Py; non-magnetic;						
			58.5-59.5 - CMV - light green - str leucocane / sericite / pyrite alteration; preferred orientation @ 42°; @ 59.2 - 8cm section of 2-9% Fe Py @ 42° -	28441	58.5	59.5	1.0m	38	54 2.0
			59.5-60.5 - CMV - light green - mod leucocane / sericite alt; locally siliceous sections in 1-2% Fe Py; @ 60.0 - 1cm QCS @ 4cm - Fe Py;	28442	59.5	60.5	1.0m	70	
			60.5-61.5 - CMV - light green - mod leucocane / sericite alt; locally chl amygdales; @ 60.6 - 20cm QCS @ 50° - chl fractured - Fe Py;	28443	60.5	61.5	1.0m	14	

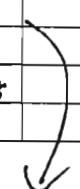
DRILL LOG



Hole ID
K-08-02

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		g	g
			61.5-62.5 - light green taren - locally chl amonites; minor carb fract ⁿ tr Fe disseminated Py;	28444	61.5	62.5	1.0m	12	
			62.5-63.2 - CMU - 30cm Qtz Feldspar Porphyry dykelet ^s ; @62.5 - Sen fault is rubble and is lower contact of Porphyry dykelet ^s ; Porphyry is fresh in local zone of 2-3% Fe Py along upper contact; @63.1 - 1cm QCS @ 45°	28445	62.5	63.2	0.7m	19	
62.6	62.9		Porphyry - Qtz - Feldspar pinnaculites - as previously described - upper contact is along Sen fault - rubble so some is indistinguishable						
			63.2-63.5 - CMU - light green - section is moderately siliceous (platin) @63.2 - 2cm QCS @ 42° - mod chl fract - minor graphite @63.3 - 3cm QCS @ 42° - tr Fe Py - oxidized - possible hairline vs grain 2mm	28446	63.2	63.5	0.3m	19	
			63.5-64.5 - CMU - light green - mod leucocratic alteration - tr Fe disseminated Py; @63.6 - 1cm Alt seam @ 58° - mod seam @63.8 - 4-6cm QCS @ 48° - tr Fe Py @64.4 - 8cm QCS @ 35° - grey Qtz - 1-2% Fe Py along contacts	28447	63.5	64.5	1.0m	10	
			64.5-65.5 - CMU - light green - locally abundant - thick chl fractures (>1cm) in preferred orientation @ 45° - interbedded in carb fracture zone @64.6 - 10cm section ~ 5-7% Fe Py along chl fractures; @64.9 - thin Alt seam @ 45° - str chl + carb alteration;	28448	64.5	65.5	1.0m	22	
			* 65.5-66.2 - CMU - light green - low - well-sorted in chl infill; mod to str carb fracture - alteration - tr Fe disseminated Py; @66.1 - 1cm QCS @ 45° - tr Fe Py	28449	65.5	66.2	0.7m	12	
			66.2-67.2 - CMU - abundant chl and graphite - (>60%) - dark black chl/graphite beds + carb fract - possible fault zone; conc of 5-7% Fe Py amongst chl;	28450	66.2	67.2	1.0m	24	

15
5.7



DRILL LOG



Hole ID
K-08-02

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		Au (pph)	
New Series →	67.2	68.2	CMU - light green crin - minor brecciation = chl infillings; locally siliceous tr Fe dissemin Pd but locally 1-2% conc along chl fract; @ 67.2 - 3cm QCS @ 38° - bluish - waxy - meteoric water; @ 67.8 - fine mud seam @ 47°	28351	67.2	68.2	1.0m	5	11 3.3
	68.2	69.2	CMU - light green = chl fracturing = preferential orientation @ 58° - local siliceous qtz flooding; minor leucosine alteration Fe yellow speck tr Fe dissemin Pd;	28352	68.2	69.2	1.0m	Nil	
	69.2	69.5	CMU - moderate qtz flooding = tr Fe Pd; minor carb fracturing = low grade dr Fe yellow alteration	28353	69.2	69.5	0.3m	22	
	69.5	70.5	CMU - local sil of large-scale fracturing @ 69.6m @ 45°; Moderate carb fracturing; tr Fe dissemin Pd; @ 70.4 - 3cm QCS @ 30° - tr graphite; thin grain of yellow metallic	28354	69.5	70.5	1.0m	9	
	70.5	71.5	CMU - moderate carb fracturing tr Fe Py along chl fract; @ 71.2 - 2cm band of Fe Py; @ 71.4 - 3cm grey ch carb seam @ 75° - tr Fe Pd;	28355	70.5	71.5	1.0m	7	
	71.5	72.2	CMU - moderate brecciation = chl infillings - locally 2-3% Fe Pd occurs as clots along chl fract;	28356	71.5	72.2	0.7m	5	6
30m AU ⇒	72.2	73.2	CMU - moderate coarse-scale alteration tr Fe dissemin Pd; 72.2 - 72.5 - 3cm QV @ 45° - brecciated = minor graphite - minor leucosine + tr Fe Py; @ 72.9 - fine mud seam @ 38°	28357	72.2	73.2	1.0m	3	5.7
	73.2	74.2	CMU - moderate scale-scale alteration; minor brecciation = chl infillings; @ 73.1 - 2cm QCS @ 38° - bluish	28358	73.2	74.2	1.0m	9	

DRILL LOG



Hole ID
K08-02

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		Ag (ppb)	
			74.2-75.2 - CMV - Also 60cm phenocryst poor porphyry dykelet & mod carb fracturing along surrounding contacts; CMV on lower contact has 3-5% Fe py disseminated Py.	28359	74.2	75.2	1.0m	5	↑
74.4		75.0	Qtz feldspar Porphyry - as previously described - 60cm dykelet - phenocryst poor; upper contact is sharp and radial @ 30°. Lower contacts sharp w carb fracturing @ 40°.						
			75.2-76.2 - CMV - moderate carb fracturing; also dykelet from 75.2-75.5 - indeterminate; Fe ²⁺ is a vein to Fe Py in Qtz; CMV is slightly amygdaloid.	28360	75.2	76.2	1.0m	Nil	} 2 6.0
			76.2-77.2 - CMV and lower contact of Porphyry - Qtz feldspar; CMV has massive (nuc) layers of dark black chl in local conc of 2-3% Fe Py; Porphyry is fresh w minor leucocane - yellow.	28361	76.2	77.2	1.0m	Nil	
77.0		80.4	Qtz feldspar Porphyry - as previously described - lower contact is sharp @ 50° - minor yellow leucocane at 77.0.						
			77.2-78.2 - Qtz feldspar - Porphyry & moderate carb fracturing - Fe Py disseminated; Py: 4cm QCS @ 23° - bluish.	28362	77.2	78.2	1.0m	Nil	
			78.2-79.2 - QFP - fresh - minor carb fract; minor chl fracturing; @ 78.2 - fine (1cm) mod seam @ 35° @ 79.1 - 2cm QCS @ 45° - bluish.	28363	78.2	79.2	1.0m	7	
			79.2-80.2 - QFP - mod carb fracturing; Fe Py disseminated carb fract; @ 79.2 - 2cm QCS @ 45° - bluish.	28364	79.2	80.2	1.0m	Nil	
			80.2-81.2 - QFP - 20cm Ven 80cm of CMV - Porphyry has mod carb fract; CMV is fresh; minor carb fract along a zone contact.	28365	80.2	81.2	1.0m	Nil	

DRILL LOG



Hole ID <div style="font-size: 1.2em; font-family: cursive;">K-08-02</div>

From		To	Description	Sample #	Sample Footage		Sample Length	Assays	
					From	To		(g/ppb)	
80.4	82.2		Chlorite fractured mafic volcanic - as previously described - upper contact is sharp @ 31' - lower contact is sharp @ 42'						
82.2	85.0		Qtz felspar porphyry - as previously described;						
		81.2-82.2	CMV - fresh - minor sericite alt; local minor graphite	28366	81.2	82.2	1.0m	Nil	<div style="font-size: 2em;">}</div>
		82.2-83.2	QFP - fresh - minor leucocline alt; minor carb fracturing; @ 83.1 - fine mud seam @ 31' - minor carbonate	28367	82.2	83.2	1.0m	Nil	
		83.2-84.2	QFP - fresh - minor leucocline alt; minor carb fracturing; @ 83.5 - fine mud seam @ 55'	28368	83.2	84.2	1.0m	5	
		84.2-85.2	QFP for 80cm - last 20cm is CMV - Porphyry is fresh & minor leucocline alt; CMV is fresh	28369	84.2	85.2	1.0m	Nil	
		85.0	Chloritized mafic volcanic - as previously described - upper contact is sharp @ 60'						
		85.2-86.2	CMV - fresh - minor carb fracturing; chl fracturing has preferred orientation @ 50'	28370	85.2	86.2	1.0m	14	<div style="font-size: 2em;">}</div>
		86.2-87.2	CMV - fresh - moderate carb fracturing;	28371	86.2	87.2	1.0m	3	
		87.7-88.6	CMV - fresh - mod carb fract; to G disseminated Py	28372	87.7	88.6	0.9m	5	
		89.1-90.0	CMV - fresh - mod carb fract; local conc of 2-3% As-m Py along chl fractures	28373	89.1	90.0	0.9m	12	
		90.5-91.5	CMV - also Porphyry like - CMV has mod carb fract & local conc of 2-3% As Py along carb fract; Porphyry is phenocryst poor - fresh	28374	90.5	91.5	1.0m	3	

4.0
6.0

DRILL LOG



Hole ID <p style="text-align: center; font-size: 1.2em;">K-08-02</p>

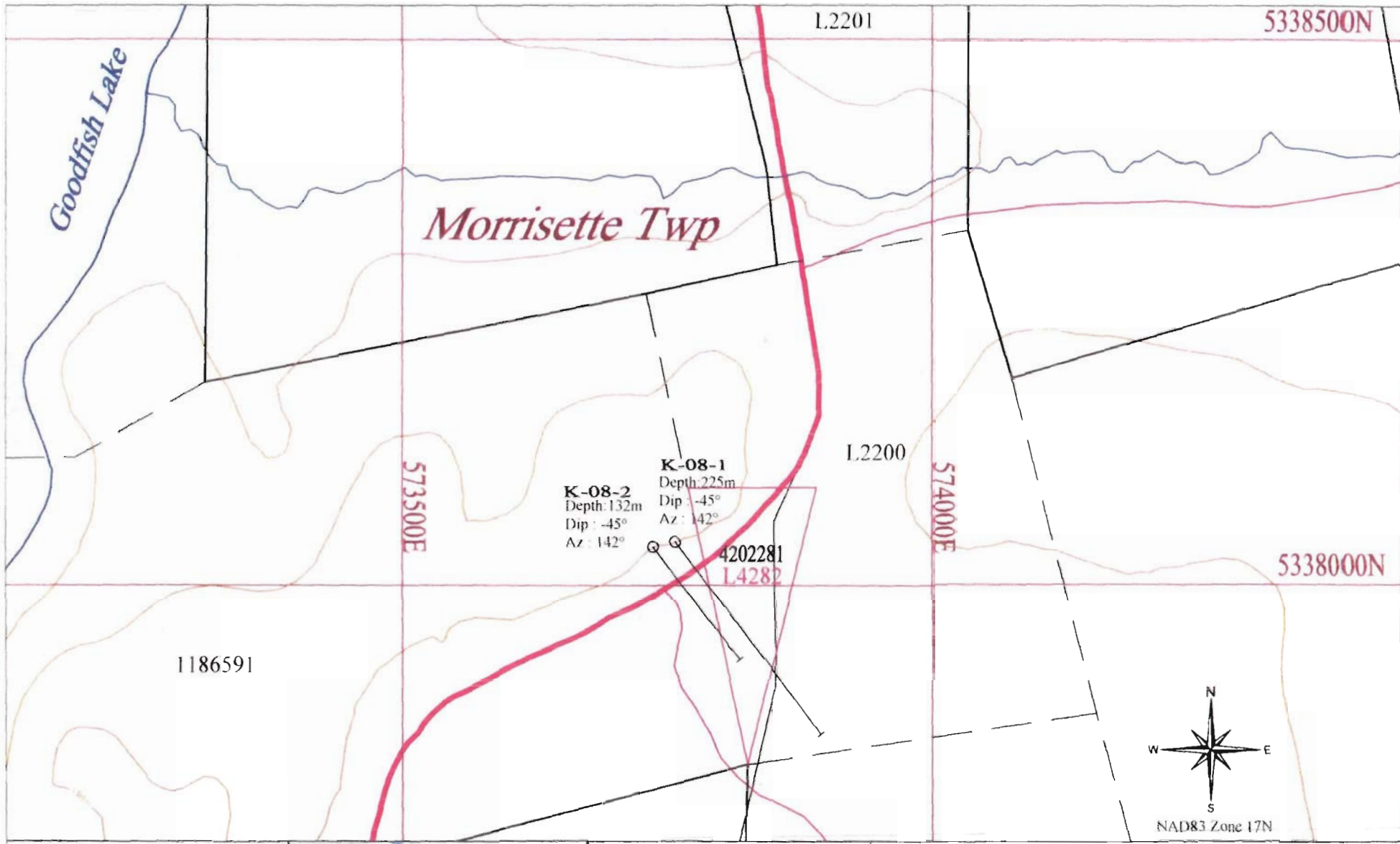
From	To	Description	Sample #	Sample Footage		Sample Length	Assays	
				From	To		g/t (ppb)	
91.1	91.5	Feldspar Porphyry - as described earlier - upper contact is sharp @ 62° - lower contact is sharp @ 62°; Phenocrysts poor Porphyry;						
		93.0 - 94.0 - CMV - moderately brecciated = chl infilling - local conc of 2-3% Fe - Mn Py in chl;	28375	93.0	94.0	1.0m	10	
		94.0 - 95.0 - CMV - moderately brecciated = chl infilling - local conc of 7-7% Fe - Mn Py in chl fract;	28376	94.0	95.0	1.0m	3	
		95.0 - 96.0 - CMV - moderate carb fracturing - locally brecciated = chl infilling;	28377	95.0	96.0	1.0m	3	
		96.0 - 97.0 - CMV - locally sparse textural features; locally brecciated = chl infilling;	28378	96.0	97.0	1.0m	Nil	
		97.0 - 98.0 - CMV - locally sparse texture; locally brecciated = chl infilling; @ 97.8 - 1cm QCS @ 55° - 1% Fe Py;	28379	97.0	98.0	1.0m	3	} <u>2</u> <u>4.3</u>
		98.0 - 99.0 - CMV - locally variable texture; moderate brecciation = chl infilling; @ 98.8 = 3cm QCS @ 37° - tr Fe Py;	28380	98.0	99.0	1.0m	Nil	
		99.0 - 99.3 - CMV - minor brecciation = chl infilling; minor carb fract. tr Fe cov minor carb fracture	28381	99.0	99.3	0.3m	Nil	
		99.9 - 100.9 - CMV - sparse variations - locally brecciated = chl infilling + moderate carb fracturing; tr Fe Py occurs as clots;	28382	99.9	100.9	1.0m	Nil	
		103.9 - 104.6 - CMV - locally variable - moderately brecciated = chl infilling + minor carb fracturing; tr Fe Py occurs as clots in chl;	28383	103.9	104.6	0.7m	7	

DRILL LOG







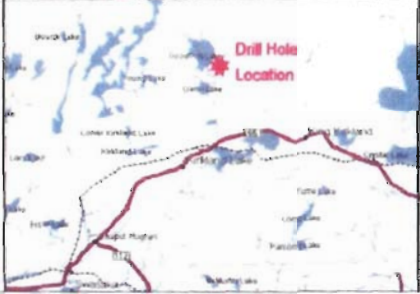
Hole ID
K-08-02

		Description	Sample #	Sample Footage		Sample Length	Assays	
From	To			From	To		Ag (ppb)	
106.1	106.5	Feldspar Quarzite dikes on - alteration - upper contact is sharp @ 37° - lower contact is sharp @ 37°.						
		106.4-107.4 - Upper contact of Porphyry dykelet on local core of 2-3% Fe Py along contact? CMU is locally variolitic to minor carb fract;	28384	106.4	107.4	1.0m	N:1	
		107.4-108.0 - CMU - locally variolitic - minor carb fract + tr Fe Py disseminated - spots in chl fract; @ 107.9 - 1cm QCS @ 45° - minor alteration	28385	107.4	108.0	0.6m	3	
		109.0-110.0 - CMU - locally variolitic to minor carb fract; 109.6-110.0 - minor brecciated to abundant chl; tr Fe disseminated in chl; @ 109.1 - 1-2cm QCS @ 20° - tr Fe Py;	28386	109.0	110.0	1.0m	7	
		112.2-113.2 - CMU - locally variolitic - minor carb fract; locally chl amygdaloid; @ 112.8 - 10cm QCS - crenulated @ 25° - bluish - @ 113.0 - 1cm mud seam @ 25° -	28387	112.2	113.2	1.0m	5	
		114.4-115.3 - CMU - locally variolitic - locally str carb fracturing; @ 120.0 - 2cm QCS @ 50° - bluish -	28388	114.4	115.3	0.9m	3	
		121.0-122.0 - Upper Porphyry Contact - CMU is fresh-looking amygdaloid Porphyry has minor carb fract + tr Fe, some scattered disseminated Py;	28389	121.0	122.0	1.0m	N:1	
121.0		Qtz Feldspar Porphyry - as previously described - contact is sharp @ 45° -						
		122.3-123.3 - QFP - minor leucocane alt + minor carb fract - locally core 7-30% Fe Py along carb fract -	28390	122.3	123.3	1.0m	10	



LEGEND

-  DDH
-  Road or Trail
-  Water
-  Property Boundary



TITLE: DDH Locations of K-08-1 and K-08-2			
DRAWN BY:		SCALE:	1:5000
DATE:	JULY 2008	PRINTED ON:	
ACAD ID:	PLAN # 1	CHECKED BY:	

Collar @
N-573744
E-5338053

-45° @
Collar

Ground Surface

DDH : K-08-01

Azimuth: 142°

Dip @ Collar : -45°

Length : 225m

Section Looking NE @ 52°

Datum = NAD83 Zone 17N

Section #1

Mining Claim No:


L 1186591

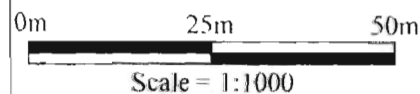
Morrisette Twp.

Length	Dip
Collar to 13.5m	-45°
13.5m to 61.5m	-44°
61.5m to 160.5m	-42°
160.5m to 225.0m	-40.5°

LEGEND

-  Perite
-  Breccia
-  Fault and direction
-  Mafic Volcanic
-  Variolitic Mafic Volcanic
-  Quartz Feldspar Porphyry

 Au Assay (ppb)



EOH 225m

Scale = 1:1000

July 22, 2008.

Drawn by:
David W. Eves

DDH : K-08-02

Azimuth: 142°
 Dip @ Collar : -45°
 Length : 132m
 Section Looking NE @ 52°
 Datum = NAD83 Zone 17N




Section #2

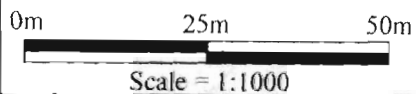
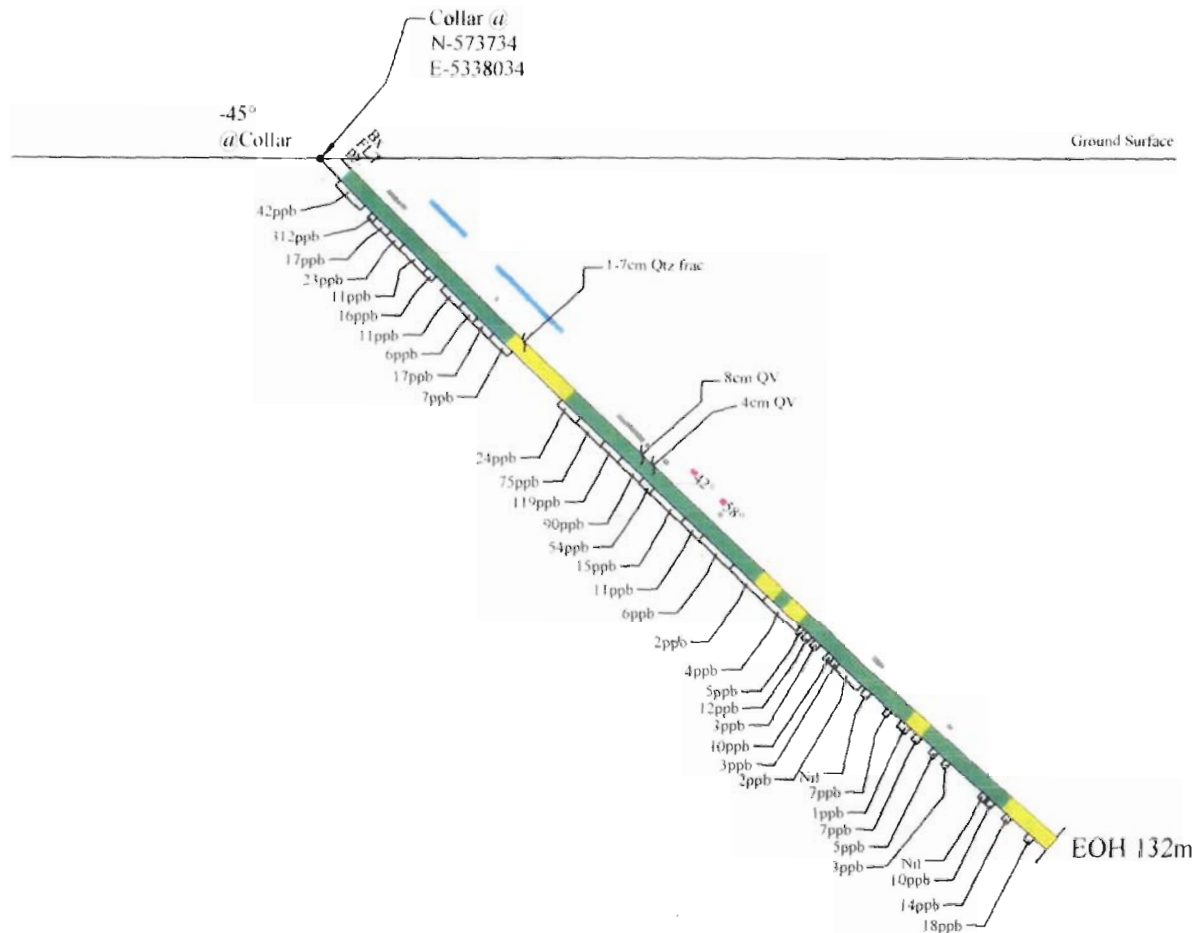
Mining Claim No:
 I. 1186591
 Morrisette Twp.

Length	Dip
Collar to 4.5m	-45.0°
4.5m to 37.0m	-44.2°
37.0m to 98.5m	-43.0°
98.5m to 132.0m	-41.1°

LEGEND

-  Pyrite
-  Breccia
-  Fault and dissection

-  Mafic Volcanic
-  Quartz Feldspar Porphyry
-  Au Assay (ppb)



Scale = 1:1000
 July 22, 2008.

Drawn by:
 David W. Eves