

**REPORT ON THE
2005 SOIL SAMPLING and
MAGNETIC SURVEY PROGRAM
on the BLUE-BELL PROPERTY,
CLEAR CREEK AREA, YUKON**

Quartz claims:

BLUE 1 to 4	YC21554 to YC21557
BELL 16 to 24	YC20891 to YC20899
BELL 10	YC20885
BELL 12	YC20887
BELL 14	YC20889

For work done July 16 to 21, 2005

By
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Aurora Geosciences Ltd
108 Gold Road
Whitehorse, Yukon, Y1A 2W3

For
Electrum Mining Limited
Suite 2103 – 808 Nelson Street
Vancouver, British Columbia, V6Z 2H8

Location: Latitude 63° 49' N, Longitude 137° 23' W
Mining District: Dawson
NTS: 115P/14
Date: October 31, 2005

SUMMARY

Electrum Mining Limited contracted Aurora Geosciences Ltd to conduct an exploration program on the Blue and Bell claims in the Clear Creek area, Yukon, during the summer of 2005. The program consisted of gridding, soil sampling and a ground magnetic survey. Aurora provided a crew of four persons to conduct the exploration program. This report documents the work conducted by Aurora Geosciences Ltd in 2005 and includes a review of historical exploration work conducted in the area by other operators.

The Blue-Bell property lies within the “Tintina Gold Belt” a region that has many intrusion-related gold occurrences and some significant gold deposits. Clear Creek has had historic placer gold production within 3 km of the property. Outcrop exposure on the property is limited and mapping on the property in 2002 identified predominantly meta-sedimentary rocks with scattered quartz vein float trains. Samples of the quartz float in 2002 did not return any anomalous gold values.

The 2005 exploration program consisted of establishing a grid using a hipchain and compass and marking stations with flagging. Line spacing varied from 100 to 200 m (nominally) and samples were collected at 50 m station intervals. Total magnetic field measurements were collected at 12.5 m interval.

The total magnetic field survey identified a single oval shaped magnetic high anomaly in the southeastern part of the property. The anomaly measures approximately 300 m east-west and 200 m north-south. Soil sample results in the area returned some scattered, moderate to highly anomalous gold values and moderately anomalous arsenic values on the northern side of the magnetic anomaly. The gold and arsenic anomalies are not coincident. Elsewhere on the property are scattered single station gold and arsenic anomalies that do not show any well-defined anomalous trends. The scattered nature of the soil geochemical anomalies could be due to the wide spaced sample density. A tighter sample density may be required to define a vein or structural source.

Recommendations for future work on the property are to:

- 1 Complete the magnetic survey and soil geochemical survey on the western part of the property.
- 2 Fill-in the soil sample density in areas of anomalous gold values to 100 m line spacing and 20 to 25 m sample spacing.
- 3 Hand pitting/trenching in areas anomalous soil geochemical results to determine the cause of the anomalies and aid in mapping of bedrock.

An estimated budget for this program is \$60,000.

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1.0 INTRODUCTION

Electrum Mining Limited contracted Aurora Geosciences Ltd to conduct an exploration program on the Blue and Bell claims during the summer of 2005. The program was designed to follow-up anomalous soil sample results from a 2002 exploration program on the property. The 2005 program consisted of establishing a grid on the property and conducting a soil sampling and magnetic survey.

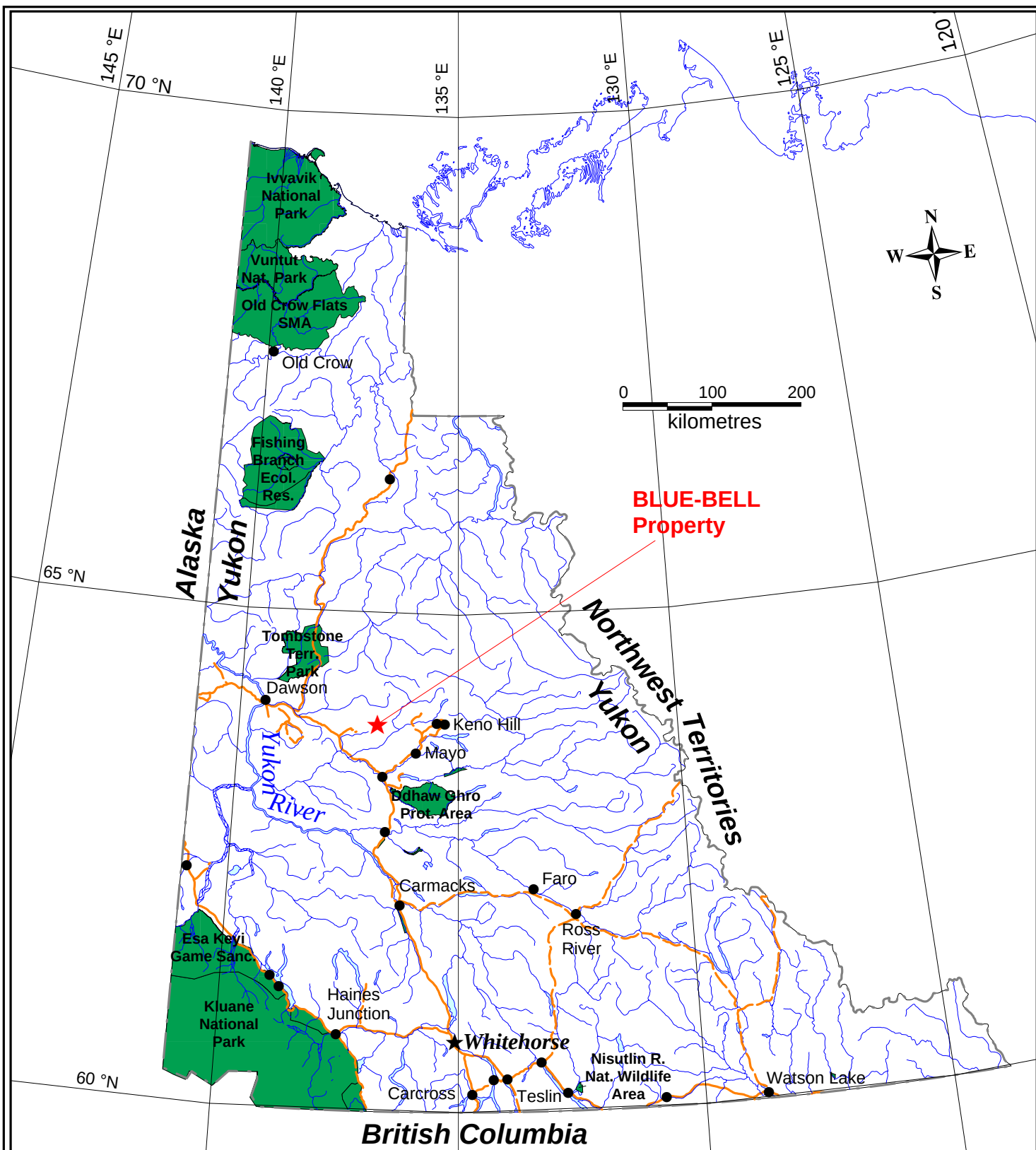
The crew consisted of Michael Schultz (geologist), Andrea Langerud (geological technician), Amanda Mitander and Steve Berg (field assistants). The crew mobilized from Whitehorse on July 13 and set-up a centralized camp for working in the area. The crew worked on other projects in the area on July 14 and 15. From July 16 to 21 the crew worked on the Blue-Bell Property. From July 22 to August 2, the crew worked on other project in the area and on August 3, they mobilized back to Whitehorse.

This report includes a review of historical exploration work conducted in the area by other operators. The author is a professional geologist and supervised the field crew. The author has not set foot on the property. The author has relied on data, interpretation, and information supplied by others noted above and listed in the References: primarily assessment reports on record with the Yukon Territorial Government (previously federal Department of Indian and Northern Affairs).

2.0 PROPERTY LOCATION AND ACCESS

The Blue-Bell Property is located 360 km north of Whitehorse or 75 km west-northwest of Mayo, Yukon. The claims are on Squaw Creek, a small tributary of Clear Creek on NTS map sheet 115P/14 and are centred at 63° 50' 00" latitude and 137° 25' longitude (Figure 1).

The project area is accessible by the Barlow Dome Road, a narrow gravel road that runs along the ridge on the north side of Clear Creek from the North Klondike Highway near Barlow Lake, for approximately 20 km to the property.



**ELECTRUM MINING Ltd
BLUE-BELL PROPERTY
LOCATION MAP**

Figure 1

October 28, 2005

AURORA GEOSCIENCES LTD

3.0 CLAIM INFORMATION

The Blue-Bell Property consists of 16 quartz claims in the Dawson Mining District and are owned 100% by Douglas Wayne Scheving of Electrum Mining Limited. The claims are in good standing with expiry dates of October 12, 2011, based on the 2005 exploration work being accepted for assessment credits. The claims are plotted on Figure 2. Claim information is as follows:

Table 1. Claim Information

Claim Name	Grant Number	Expiry Date *
BELL 10	YC20885	October 12, 2011
BELL 12	YC20887	October 12, 2011
BELL 14	YC20889	October 12, 2011
BELL 16 to 24	YC20891 to YC20899	October 12, 2011
BLUE 1 to 4	YC21554 to YC21557	October 12, 2011

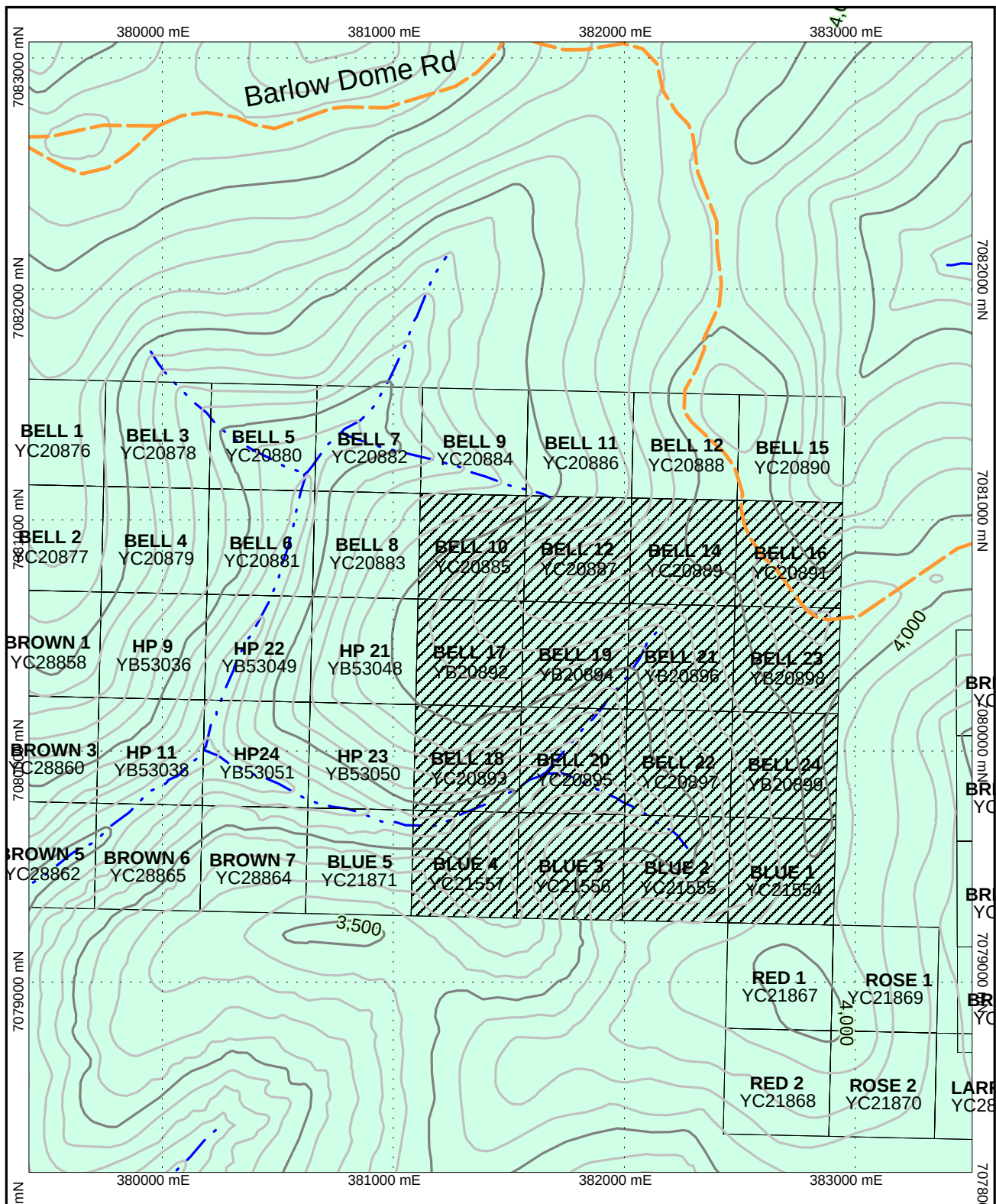
*Pending acceptance of this report for assessment purposes.

4.0 PHYSIOGRAPHY AND CLIMATE

The project area is in the Syenite Range Mountains on the north side of the Tintina Trench. The property covers a south-facing slope in gentle rounded mountainous terrain. Elevations range from about 2000 feet to 4000 feet above sea level. The property area is sparsely treed, with spruce, pine, birch, alder, and locally with considerable buck brush.

The area experiences cold dry winters and hot dry summers. Snow usually begins accumulating in late September or early October and is generally melted by late May to early June. Temperatures range from highs in the mid 30°'s in summer to lows of -50° C in winter. North facing slopes are generally underlain by permafrost.

The nearest major city centre is Dawson, a supply centre for this region with an ample labour force. Power is available along the North Klondike Highway. Water resources are abundant in the project area in flowing streams.



Scale = 1:25,000
 NAD 83 UTM, Zone 8
 Magnetic declination = 29.16 deg.

ELECTRUM MINING LIMITED
BLUE-BELL CLAIMS
CLAIM LOCATION MAP
 Dawson Mining District 115P/14
 Figure 2 October 21, 2005

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5.0 HISTORY

The Clear Creek area has a long history of placer gold production and mineral exploration for silver, gold, antimony, copper, tin and tungsten. The majority of work has been conducted on the Clear Creek Property located on Left Clear Creek, 6 km east of the Blue-Bell Property.

In 1971, a joint venture between Silver Standard Mines Ltd and Canada Tungsten Mining Corp staked claims in the area following the release of GSC Open File 51 indicating anomalous tungsten, gold and tin in the area. United Keno Hill Mines Ltd and Standard Oil Company of B.C. Ltd also acquired land in the area during this time. The staking generally occurred in the Left Clear Creek area. These companies conducted soil sampling and geological mapping programs on their properties.

In 1978 and 1979, Cominco Ltd conducted programs of stream sediment sampling, soil sampling and prospecting on their NEL claims at the headwaters of Forty Mile Creek, 22 km to the northeast of the Blue-Bell Property. They were focused on anomalous tin and silver values indicated on government regional stream sediment geochemical samples in the area. They obtained very anomalous Sn values up to 18,100 ppm from stream sediment samples.

In 1980 - 81 Canada Tungsten Mining Corporation Ltd. acquired large blocks of claims through staking and options in the Dublin Gulch and Clear Creek areas and carried out extensive programs, in search of tungsten and, to a much lesser extent, tin and gold. On Left Clear Creek, Canada Tungsten did extensive mapping and geochemical surveys. Some trenching and sampling was done on tungsten bearing skarns but no work was done to follow up on geochemical gold anomalies. The original claim group was gradually reduced to the Rain and Wind claims, which consisted of several non-contiguous claims covering various mineral showings and anomalies. Canada Tungsten later dropped its option.

In 1986, prospector Scottie Thom discovered gold-bearing massive pyrite float on the south side of Left Clear Creek. In 1987, placer operations conducted by Blackstone Placer Mining Company encountered heavy pyrite mineralization in a deep trench cutting into bedrock. The showing and properties were later optioned by Secret Pass Minerals Corp and, in 1987, they conducted a program of line cutting, geophysical surveying, soil and rock sampling. The property was later optioned to Cambridge Resources Ltd, who in 1989 conducted trenching and drilled 276 m in 4 diamond drill holes. The drill program encountered one significant intersection containing 0.546 oz/t gold over 0.49 m.

In 1995, Kennecott Canada Inc optioned the Clear Creek Property and conducted an extensive program of soil sampling, geological mapping, trenching, road construction and reverse circulation drilling on the Rhosgobel Stock. Kennecott dropped its option later that year. In 1996, New Millenium Mining Inc acquired the project and in the fall 2004 it signed a deal to vend the project to Stratagold Corp.

In 2001, a small reconnaissance program consisting of stream sediment sampling and prospecting was conducted by Xenex Development Corp in the area of the Blue-Bell Property. This work identified a number of anomalous gold, silver and base metal values in silt and rock

samples. In 2002, a follow-up program consisting of soil sampling, stream silt sampling, prospecting and mapping was conducted with soil samples collected at 200 m line spacing and 100 m sample spacing on a portion of the claims. A total of 95 soil, 6 silt and 11 rock samples were collected. The program returned some moderately anomalous gold-in-soil values (up to 15.3 ppb) and silver-in-soil values (up to 169 ppb). No further work was conducted on the property until this work in 2005. In the spring of 2005, the property was optioned by Electrum Mining Ltd.

6.0 GEOLOGICAL SETTING

6.1 Regional Geological Setting

The Blue-Bell Property lies within the Selwyn Basin, which is comprised of Late Proterozoic to Mid-Paleozoic continental margin sediments. The basinal rocks in the area of the property consist of an inlier of Upper Proterozoic to Lower Cambrian rocks of the Hyland Group overlain by Upper Cambrian and Ordovician Rabbitkettle Formation, which is in turn overlain by the Ordovician to Lower Silurian Road River Group and capped by the Devonian to Mississippian Earn Group.

The Hyland Group (**PCH**) is comprised of thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, quartz pebble conglomerate, argillaceous limestone, phyllite, psammite and minor marble (Gordey, et. al., 1999). The Rabbitkettle Formation (**COR**) consists of thin bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite, limestone breccia and conglomerate, laminated grey siltstone, chert, slate and local mafic flows, breccia and tuff. The Road River Group (**ODR**) is comprised of black graptolitic shale and chert, minor argillaceous limestone and dolomitic siltstone. The Earn Group (**DME**) consists of thin-bedded slate with interbedded chert-quartz arenite and wacke, chert pebble conglomerate, black siliceous siltstone, nodular and bedded barite and rare limestone.

The layered rocks are intruded by mid-Cretaceous Tombstone Suite intrusions to the north and east and by lower Cretaceous McQueston Suite intrusions to the south. Two types of Tombstone Suite intrusion are recognized in the area; medium to coarse-grained biotite-hornblende-clinopyroxene syenite, quartz syenite, granite, monzogranite, diorite and tinguaite (**mKyT**); and medium- to coarse-grained, locally porphyritic biotite hornblende, clinopyroxene quartz monzonite and granodiorite (**mKqT**). The McQueston Suite is comprised of medium- to coarse-grained, locally porphyritic and k-feldspar megacrystic biotite $\pm$ muscovite granite and quartz monzonite.

The Clear Creek area is within the "Tintina Gold Belt", which is an intrusion-related, gold-bearing system that stretches in an arc from central Alaska through to southern Yukon. In Yukon, this belt is known as the Tombstone-Tungsten Magmatic Belt. Within this belt many gold discoveries are spatially related to mid-Cretaceous alkalic plutonic intrusions of the Tombstone series. A wide variety of disseminated, skarn and vein-type mineral occurrences both within and near the intrusions have been identified containing gold, tungsten, lead, zinc, copper and tin. The most significant discovery in the Clear Creek area is the Dublin Gulch

Deposit, located 80 km east of the Blue-Bell Property. The Dublin Gulch deposit has reserves of 50.8 million tonnes containing 0.93 g/t gold. Other Tintina Gold Belt occurrences in the area are the Clear Creek Property located 6 km east of Blue-Bell and the Sheelite Dome Property located 50 km to the east. The Clear Creek area also has a long history of placer gold production.

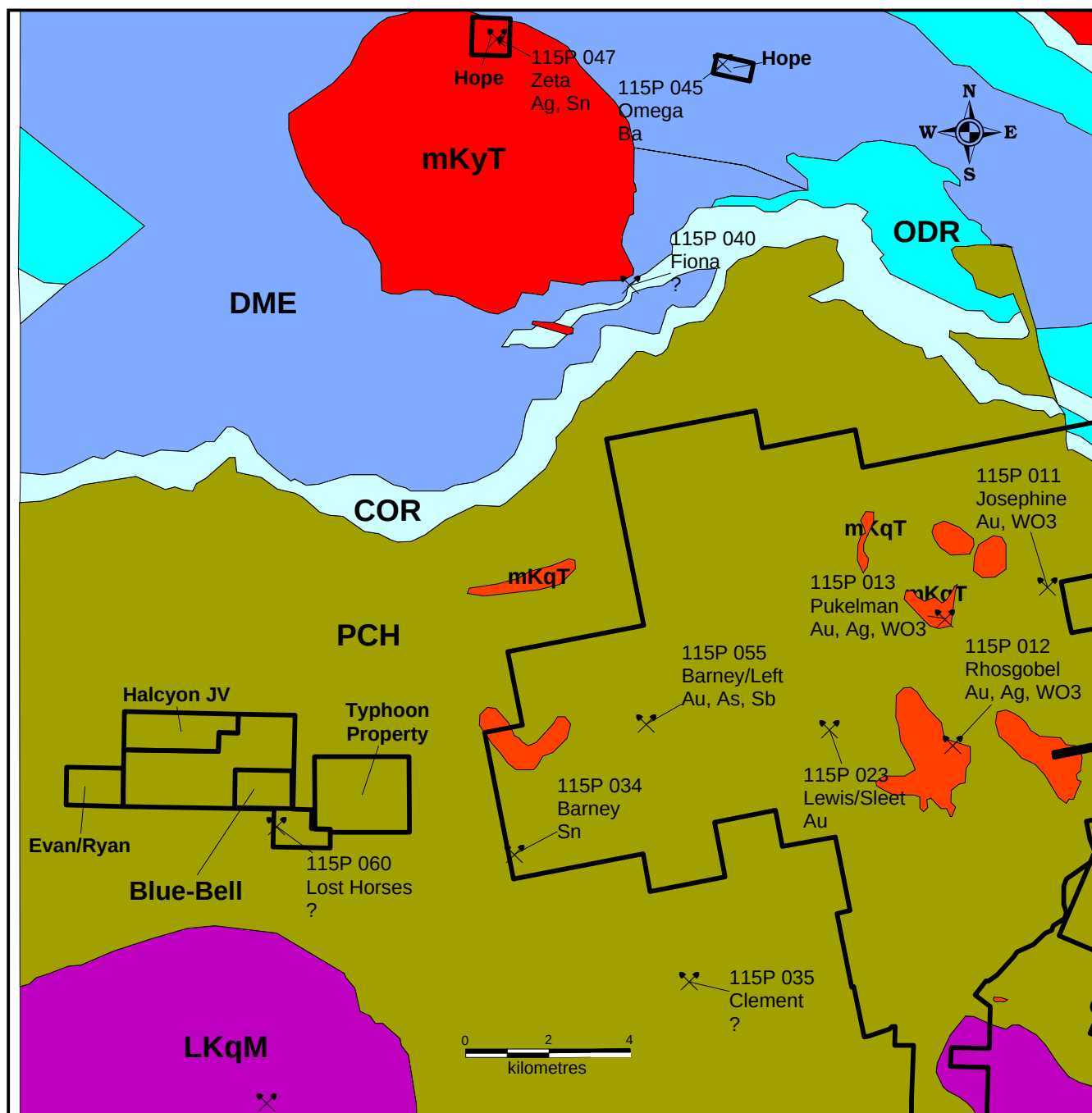
No mineralization has yet been discovered on the Blue-Bell Property. However in the Left Clear Creek valley a number of quartzite boulders have been discovered containing abundant pyrite in quartz sericite clay altered rocks. On the Clear Creek Property scheelite and auriferous arsenopyrite are found in quartz veined granite stocks at the Rhosgobel, Josephine, Lewis and Pukelman minifile occurrences. Scheelite and molybdenite are also found in sheeted quartz and potassium feldspar veins at Pukelman.

6.2 Property Geology

The 2005 program did not include any geological mapping; the property geology is taken from McIntyre (2002). The mapping program in 2002 found outcrop to be common on ridges and along Squaw Creek, but rare on rounded slopes that make up much of the property. This mapping revealed the property to be underlain by a rather monotonous section of undifferentiated meta-sediments. Due to past forest fires, much of the area is open and untreed and boulder trains of white quartz can be easily traced at various locations on the property. Many samples of this material were collected in 2002 and were relatively unmineralized.

Squaw Creek lies just north of the extent of the last glaciation. The ridge tops have thin overburden cover, which is assumed to be colluvial. At low elevations stream channel gravels are of Pliocene age, similar to those of the Klondike River to the north. Much of the soil on the property is believed to be representative of bedrock.

South of the claims the lower reaches of Squaw Creek cross the contact of the Two Sisters batholith, a late Cretaceous granite of the McQueston Suite. The intrusion is porphyritic granite with occasional large feldspar phenocrysts. These intrusives have not been widely associated with gold mineralization and while McIntyre (2002) did not observe any mineralization, he states that the possibility of association with economic mineralization should not be excluded.



GEOLOGICAL LEGEND



Devonian and Mississippian - Earn Assemblage
Slate with black, siliceous shale and chert-quartz arenite and wacke, chert pebble conglomerate, bedded barite and rare limestone



Ordovician to Lower Devonian - Road River Assemblage
Shale and black chert, siltstone and argillaceous limestone



Upper Cambrian and Ordovician - Rabbitkettle Assemblage
Silty limestone and calcareous phyllite, limestone breccia and conglomerate and quartzose siltstone



Upper Proterozoic to Lower Cambrian - Hyland Assemblage
Shale, quartz-rich sandstone, quartz pebble conglomerate, argillaceous limestone and phyllite



mid Cretaceous - Tombstone Suite
Biotite-hornblende-clinopyroxene syenite, quartz syenite, granite, monzogranite and tinguaitite



medium to coarse-grained porphyritic biotite-hornblende, clinopyroxene granite, quartz monzonite and granodiorite



Lower Cretaceous - McQueston Suite
Medium- to coarse-grained porphyritic K-feldspar biotite-muscovite granite and quartz monzonite



Yukon Minfile occurrence #
Name
Commodities

scale = 1:150,000
NAD 83 UTM, zone 8

ELECTRUM MINING LTD
BLUE-BELL CLAIMS
REGIONAL GEOLOGY MAP
Dawson Mining District 115P/14
Figure 3 November 18, 2004

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7.0 2005 EXPLORATION PROGRAM

The 2005 exploration program on the Blue-Bell Property consisted of establishing a grid by hip chain and compass and marking stations with flagging. A baseline was run at 5000 N, line spacing was nominally 200 m and station spacing of 25 m. Soil samples were collected at 50 m intervals along the lines. A total of 332 soil samples were collected.

For the magnetic survey the crew was equipped with the following instruments and equipment:

<u>Field unit:</u>	2 - Gem GSM-19 Overhauser magnetometers.
<u>Base unit:</u>	1 - Gem GSM-19T proton precession magnetometer.
<u>Data processing:</u>	P-800 laptop and colour printer. Data processing with Geosoft software and proprietary data conversion software.

The magnetometer survey was conducted according to the following specifications:

Station spacing: 12.5 m nominal.

Base station magnetometer: Installed near the camp and cycled at 10 s intervals. Variations exceeding 3 nT over the 10 s interval were rejected.

Levelling: The operator levelled to a common datum by surveying, on a daily basis, a 150 m interval and calculating the mean difference.

Station Coordinates: All geographic coordinates are in NAD 83 UTM, zone 8N coordinates and were determined by Garmin GPS 72.

The total magnetic field data was corrected for temporal geomagnetic variation relative to the base station unit using software incorporating linear interpolation. Any data taken during intervals when the base station magnetometer varied by 3 nT or greater over 10 s were rejected.

The station locations were determined by non-differential GPS recording the end of each survey line and the intersection of the line with the base line. Stations locations were then interpolated between these points.

8.0 GEOCHEMICAL ANALYTICAL PROCEDURE

All samples were sent to Acme Analytical Laboratories in Vancouver for processing. Acme is an ISO 9002 accredited facility.

The analytical procedure consisted of drying the samples then sieving to -80 mesh. A 15.0 gm sample of the -80-mesh material was then digested in 90 ml of aqua-regia solution and diluted to 300 ml with distilled water. This solution was then analyzed for gold and 36 elements by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) according to the Acme Group 1DX analytical package. Geochemical Analytical Certificates for the 2005 program are included in Appendix II.

9.0 RESULTS

9.1 SOIL SAMPLING GEOCHEMICAL RESULTS

Soil sample geochemical analysis from the 2002 exploration program was included with the 2005 data for statistical analysis. The 2002 data is comparable to the 2005 data. The 2002 samples are indicated with triangles on the soil geochemistry plots, while the 2005 data is indicated with circles. Soil sample locations are plotted on Figure 4, soil sample results for gold, silver and arsenic are plotted on Figures 5, 6 and 7, respectively. Statistical analysis of the data for gold, silver and arsenic returned the following results:

Element	<u>Ag</u>	<u>Au</u>	<u>As</u>
# of samples	399	399	399
Minimum value	<0.1 ppm	<0.5 ppb	2.3 ppm
Maximum value	0.3 ppm	24.5 ppb	13.6 ppm
Average	-	2.7 ppb	7.1 ppm
Standard Deviation	-	3.1 ppb	2.0 ppm

The analyses for silver returned more than 60% of the values less than the detection limit of 0.1 ppm, thus an average and standard deviation could not be reliably calculated for the population. The maximum silver value of 0.3 ppm is not significantly anomalous.

For the gold analyses background values are taken to be < mean plus one standard deviation (i.e. < 5.8 ppb). Values from mean plus one to mean plus 2 standard deviations (i.e. 5.8 to 8.9) are considered anomalous and mean plus 3 standard deviations (i.e. > 8.9 ppb) are considered highly anomalous. Thus, there are a number of scattered anomalous and highly anomalous values throughout the property. However, in general the anomalies are one station highs and do not indicate any well-defined anomalous trends. This could be due, in part, to the wide spaced sample density.

The arsenic analyses background values are taken to be <9.7 ppm; anomalous values are 9.7 to 11.7 ppm; and highly anomalous values are > 11.7 ppm. The arsenic geochemistry also returned

scattered, generally isolated one or two station anomalies with no significant, discernable anomalous trends. The arsenic anomalies do not correlate with gold anomalies.

9.2 TOTAL MAGNETIC FIELD SURVEY RESULTS

Time and budget constraints limited the magnetic survey to the eastern part of the property. The total magnetic field data was processed by first correcting the rover magnetometer data for diurnal variations with the base station data. Next the GPS survey coordinates were merged with the station reading coordinates to register all readings in NAD 83 UTM coordinates. This data was then imported into Oasis Montaj software to create the plot of Shaded Relief Total Magnetic Field in Figure 8.

Figure 8 shows a single oval shaped magnetic high anomaly in the south-eastern part of the property. The anomaly measures approximately 300 m east-west and 200 m north-south and has a field strength of 80 nano Tesla (58000-58080 nT). Elsewhere in the survey area readings are generally within a background of 57960 to 58000 nT.

In the area of the magnetic anomaly there was no outcrop indicated neither in the 2002 mapping program, nor from the field crews in 2005. The shape of the anomaly however is indicative of a small intrusive plug.

10.0 CONCLUSIONS and RECOMMENDATIONS

The Blue-Bell property lies within the “Tintina Gold Belt” a region that has many intrusion-related gold occurrences and some significant gold deposits. Clear Creek has had historic placer gold production within 3 km of the property. Outcrop exposure on the property is limited and mapping on the property in 2002 identified predominantly meta-sedimentary rocks with scattered quartz vein float trains. Samples of the quartz float in 2002 did not return any anomalous gold values.

The magnetic survey in 2005 returned an oval magnetic high anomaly in the southeastern part of the property that is on the order of 300 by 200 metres and may indicated an underlying intrusion. Soil sample results in the area returned some scattered, moderate to highly anomalous gold values and moderately anomalous arsenic values on the northern side of the magnetic anomaly. The gold and arsenic anomalies are not coincident. Elsewhere on the property are scattered single station gold and arsenic anomalies that do not show any well-defined anomalous trends.

The scattered nature of the soil geochemical anomalies could be due to the wide spaced sample density. If the controls on gold and arsenic mineralization are structural, or veins, a 200 m line spacing and 50 m sample density would not be sufficient to define the anomalies. A tighter sample density may be required to define a vein or structural source.

Recommendations for future work on the property are to:

- 1 Complete the magnetic survey and soil geochemical survey on the western part of the property.
- 2 Fill-in the soil sample density in areas of anomalous gold values to 100 m line spacing and 20 to 25 m sample spacing.
- 3 Hand pitting/trenching in areas anomalous soil geochemical results to determine the cause of the anomalies and aid in mapping of bedrock.

An estimated budget for this program is \$60,000.

Respectfully Submitted,

Scott Casselman

Digitally signed by Scott Casselman
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AURORA GEOSCIENCES LTD, OU =
Geologist
Reason: I am the author of this document
Date: 2005.10.31 13:42:30 -08'00'

Scott Casselman, B.Sc., P.Geo
Geologist

11.0 STATEMENT OF EXPENDITURES – Blue-Bell Property**Exploration costs**

Contract Services - Aurora Geosciences Ltd

Crew mobilization/demobilization - from Whitehorse to Clear Creek (divided between three jobs)

- Mike Schultz	- 2 days @ \$567.10	\$1,134.20	
- Andrea Langerud	- 2 days @ \$428.00	856.00	
- Amanda Mitander	- 2 days @ \$401.25	802.50	
- Steve Berg	- 2 days @ \$401.25	802.50	
- truck rental	- 2 days @ \$107	214.00	
- vehicle mileage	- 1000 km @ \$0.40/km	400.00	
- meals	- 8 person days @ \$37.45	<u>299.60</u>	
	TOTAL mob/demob	<u>4,508.80</u>	
	One third =	<u>\$1,502.93</u>	1,502.93

Field Program

Wages

- Mike Schultz	- 6 days @ \$567.10	\$3,402.60
- Andrea Langerud	- 6 days @ \$428.00	2,568.00
- Amanda Mitander	- 6 days @ \$401.25	2,407.50
- Steve Berg	- 6 days @ \$401.25	2,407.50
Truck rental	- 7 days @ \$107.00	749.00
Truck mileage on site	- 400 km @ \$0.40/km	160.00
Magnetometer rental	- 3 mags @ \$96.30/day x 6 days	1,733.40
Fuel for truck and generator		96.36
Meals	- 24 person days @ \$37.45/pers day	840.00
Camp rental (incl phone, gen, etc)	- 6 days @ \$220	1320.00
Sample shipment		167.54
Aurora Project Administration charges		913.58
Sample Analysis - Acme Labs		5,807.04
Report Writing - Aurora Geosciences Ltd		<u>\$1,605.00</u>

Total exploration costs \$ 25,680.45

12.0 REFERENCES

- Deklerk, R., 2002. Yukon Minfile, 2002, A Database of Mineral Occurrences. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada.
- Gordey, S. P. and Makepeace, A. J., 1999. Yukon Digital Geology. Geological Survey of Canada, Open File D3826.
- McIntyre, R. F., 2002. Report on the Geochemical Sampling of the Blue Claim Group, Squaw Creek Yukon. Xennex Development Corporation Assessment Report.
- McIntyre, R. F., 2002. Report on the Geochemical Sampling of the Bell Claim Group, Squaw Creek Yukon. Xennex Development Corporation Assessment Report.

APPENDIX I

STATEMENT OF QUALIFICATIONS

Statement of Qualifications

I, Scott Casselman, P. Geo., certify that:

- 1) I reside at 33 Firth Road, Whitehorse, Yukon Territory, Y1A 4R5
- 2) I am a geologist employed by Aurora Geosciences Ltd. of Whitehorse, Yukon Territory.
- 3) I graduated from Carleton University in Ottawa, Ontario with a Bachelor of Science Degree in Geology in 1985 and have worked as a geologist since that time.
- 4) I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, Registration No. 20032.
- 5) I compiled this report from data collected by Aurora Geosciences staff on the Blue-Bell Property during the summer of 2005.
- 6) I have not visited the Blue-Bell Property.

Scott Casselman

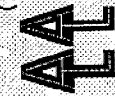
Digitally signed by Scott Casselman
DN: CN = Scott Casselman, C = CA, O = AURORA
GEOSCIENCES LTD, OU = Geologist
Reason: I am the author of this document
Date: 2005.10.31 13:42:52 -08'00'

Dated this ____th day of _____, 2005, at Whitehorse, Yukon Territory.

Scott G. Casselman, BSc., P.Geo.

APPENDIX II

GEOCHEMICAL ANALYTICAL CERTIFICATES



GEOCHEMICAL ANALYSIS CERTIFICATE



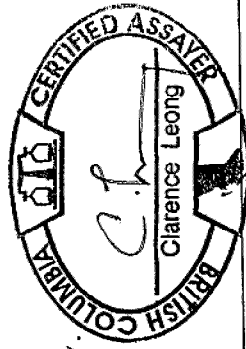
Aurora Geosciences Ltd. PROJECT Blue Bell File # A504435 Page 1
108 Gold Road, Whitehorse YT Y1A 2W3 Submitted by: Scott Casselman

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg ppm	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	
G-1	5	1.7	2.2	46	<1	5.7	3.7	504	1.70	<5	1.8	7	3.3	42	<1	<1	<1	33	35	0.62	6	69.6	57	200	1.07	1	1.87	0.05	49	1	<0.1	2.1	3	<0.5	5	<5	15.0
L8600E 5900N	7	11.7	19.6	39	1	10.9	4.4	104	1.95	5.6	6	2.8	1.0	8	1	3	2	27	0.7	0.46	12	17.4	24	80	0.08	1	0.93	0.05	04	2	0.5	1.0	1	<0.5	3	<5	15.0
L8600E 5850N	9	15.3	17.0	28	<1	10.9	3.4	76	1.26	4.0	9.2	5	5	5	1	3	2	21	0.4	0.36	14	12.8	0.8	38	0.02	1	0.60	0.05	03	1	0.2	5	1	<0.5	3	<5	7.5
L8600E 5800N	9	14.2	20.1	26	1	7.3	2.5	75	1.24	3.1	6	1.8	3	7	1	2	2	22	0.5	0.52	13	14.8	1.1	52	0.05	1	0.86	0.06	05	1	0.5	4	1	<0.5	4	<5	7.5
L8600E 5750N	7	16.4	19.7	44	2	13.9	4.0	113	1.79	5.3	7	2.0	7	13	1	3	2	25	1.2	0.47	14	17.3	2.7	97	0.12	1	0.94	0.06	06	1	0.5	1.2	1	<0.5	3	<5	15.0
L8600E 5700N	8	18.8	34.6	49	1	14.1	5.4	209	2.15	5.6	7	2.2	2.1	8	2	4	3	28	0.7	0.37	16	17.6	2.5	84	0.12	1	0.89	0.05	05	1	0.4	1.5	1	<0.5	3	<5	15.0
L8600E 5650N	7	9.1	8.6	29	<1	8.7	2.6	88	1.31	4.3	4	1.3	3	7	1	3	1	25	0.6	0.26	15	15.4	1.9	55	0.10	1	0.75	0.04	05	1	0.4	6	1	<0.5	3	<5	15.0
L8600E 5600N	7	17.0	11.6	51	<1	16.4	6.6	262	2.35	7.5	6	2.0	2.7	7	1	4	2	33	0.7	0.36	17	22.4	3.4	85	0.16	1	1.29	0.05	05	2	0.3	1.7	1	<0.5	4	<5	15.0
L8600E 5550N	7	10.2	8.0	36	<1	10.8	3.7	113	1.61	6.9	4	3.1	5	8	<1	4	1	31	0.7	0.29	12	18.7	2.6	59	0.15	1	0.88	0.04	04	1	0.5	1.0	1	<0.5	4	<5	15.0
L8600E 5500N	8	11.1	6.4	19	<1	5.3	1.5	41	1.26	4.0	4	2.6	2.3	5	<1	4	2	35	0.3	0.21	28	6.7	0.4	56	0.07	1	0.73	0.02	04	1	0.1	8	1	<0.5	5	<5	15.0
L8600E 5450N	1.1	12.1	13.9	49	2	16.5	7.5	215	2.77	9.4	5	1.6	3.6	7	1	5	2	57	0.7	0.24	14	27.2	3.0	103	0.26	1	1.72	0.05	04	2	0.3	2.3	1	<0.5	6	<5	15.0
RE L8600E 5450N	1.2	12.9	14.5	53	2	17.1	7.9	222	2.87	9.7	5	2.2	3.8	8	1	6	2	58	0.7	0.25	14	27.7	3.1	108	0.26	1	1.79	0.05	04	1	0.2	2.4	1	<0.5	6	<5	15.0
L8600E 5400N	1.3	15.8	12.9	50	3	15.6	7.7	248	3.12	10.0	5	2.3	4.9	8	2	5	2	55	0.7	0.34	13	30.7	3.8	131	0.23	1	1.85	0.05	05	1	0.4	2.4	1	<0.5	6	<5	15.0
L8600E 5350N	1.4	22.1	10.0	54	<1	19.1	17.6	1022	2.60	6.4	5	1.2	2.8	9	1	3	3	29	0.7	0.44	32	12.0	1.2	129	0.12	<1	0.83	0.04	08	1	0.3	1.1	1	<0.5	4	<5	15.0
L8600E 5300N	8	10.1	9.5	36	1	10.1	4.2	155	1.98	6.1	4	5	3.3	10	1	4	2	37	0.8	0.21	20	18.1	2.5	133	0.14	<1	1.19	0.04	06	1	0.2	1.6	1	<0.5	5	<5	15.0
L8600E 5250N	7	7.1	10.6	26	2	6.8	2.9	102	1.68	5.4	3	8	2.1	7	<1	3	2	38	0.7	0.26	12	18.5	2.0	118	0.16	1	1.14	0.04	04	1	0.2	1.5	1	<0.5	5	<5	15.0
L8600E 5200N	8	15.5	16.5	44	1	14.3	7.1	258	2.29	6.9	5	1.2	4.7	10	1	6	2	36	0.9	0.30	17	18.4	2.4	152	0.11	<1	1.17	0.05	09	1	0.2	1.8	1	<0.5	4	<5	15.0
L8600E 5150N	1.1	24.7	25.2	58	3	27.5	9.6	222	3.22	9.9	5	1.9	5.7	13	1	7	2	39	1.0	0.33	18	26.4	3.6	113	0.12	<1	1.59	0.05	10	1	0.3	2.1	1	<0.5	4	<5	15.0
L8600E 5100N	8	9.3	12.9	36	1	10.5	4.9	149	2.04	7.0	3	7	3.3	8	1	4	2	39	0.7	0.30	14	16.9	2.4	105	0.12	<1	1.09	0.04	08	1	0.1	1.5	1	<0.5	4	<5	15.0
L8600E 5050N	6	18.0	11.6	48	1	16.9	5.7	134	2.25	6.9	5	1.0	5.5	12	1	6	2	28	0.9	0.21	18	17.1	3.3	103	0.13	1	1.02	0.04	08	1	0.1	1.7	1	<0.5	3	<5	15.0
L8600E 4950N	7	16.0	9.8	42	1	15.2	5.4	177	2.13	6.4	4	3.7	4.0	10	<1	6	1	29	0.9	0.24	16	17.4	2.8	150	0.12	<1	0.95	0.05	07	2	0.2	1.6	1	<0.5	3	<5	15.0
L8600E 4900N	7	11.3	11.2	38	1	12.5	5.1	162	2.18	6.5	4	1.3	4.5	10	1	6	2	34	0.7	0.25	18	17.6	2.6	109	0.14	1	1.11	0.05	06	1	0.1	1.7	1	<0.5	4	<5	15.0
L8600E 4850N	8	29.1	23.6	65	1	23.5	10.1	265	3.11	7.2	7	3.4	10.5	11	1	4	7	21	0.5	0.28	29	11.1	1.3	87	0.06	<1	0.79	0.03	09	1	0.2	1.6	1	<0.5	2	<5	15.0
L8600E 4800N	7	19.3	20.9	37	1	13.9	4.3	150	1.67	3.8	6	1.6	5.0	16	1	4	2	23	1.4	0.29	31	9.6	1.1	157	0.09	<1	0.72	0.04	09	1	0.3	1.5	1	<0.5	3	<5	15.0
L8600E 4750N	1.2	33.1	29.9	52	3	21.1	7.6	302	2.17	5.0	1.3	2.5	6	18	7	1.5	3	21	0.9	0.94	22	15.3	1.4	275	0.03	<1	0.91	0.10	08	1	0.6	8	1	<0.5	3	<5	7.5
L8600E 4700N	8	17.4	12.6	56	2	17.9	6.4	173	1.96	5.1	6	2.3	1.8	18	1	6	2	28	1.8	0.65	19	20.0	3.0	201	0.09	1	1.16	0.06	06	2	0.5	1.8	1	<0.5	4	<5	15.0
L8600E 4650N	7	23.4	10.7	29	3	16.7	3.8	71	1.31	2.5	1.2	9	3	19	3	4	1	12	1.6	0.89	16	14.8	1.3	243	0.07	1	0.82	0.09	05	1	0.1	1.3	1	0.7	2	5	1.0
L8600E 4600N	9	22.4	10.9	45	2	18.7	4.7	143	2.10	5.2	1.1	1.8	6	19	2	4	2	27	1.6	0.62	18	22.1	2.7	193	0.09	1	1.09	0.08	07	1	0.6	1.3	1	<0.5	4	7.5	
L8600E 4550N	1.3	15.8	9.7	39	1	14.0	3.8	164	1.50	4.3	6	2.4	3	10	2	4	2	29	0.7	0.47	19	22.0	2.0	129	0.08	1	1.07	0.08	06	1	0.4	8	1	<0.5	5	<5	7.5
L8600E 4500N	1.0	16.2	11.6	46	1	14.1	5.8	286	2.06	7.1	7	1.3	5	10	1	4	2	33	0.8	0.52	18	21.7	2.7	127	0.10	1	1.12	0.05	05	2	0.5	9	1	<0.5	4	<5	15.0
L8600E 4450N	1.0	15.6	9.2	52	1	15.6	5.7	156	2.09	6.5	6	3.6	9	10	1	4	2	35	1.0	0.46	16	24.8	3.6	129	0.12	1	1.25	0.05	04	2	0.3	1.4	1	<0.5	4	<5	15.0
L8600E 4400N	9	13.2	10.8	40	1	13.1	4.2	114	1.85	6.8	6	8	2.2	10	1	4	2	32	0.7	0.35	19	19.3	2.8	88	0.15	1	0.98	0.05	03	2	0.3	1.4	1	<0.5	4	<5	15.0
L8600E 4350N	6	12.5	10.9	31	<1	9.5	3.2	79	2.10	7.4	7	2.2	4.0	9	1	4	2	35	0.6	0.24	16	20.2	2.3	80	0.20	1	1.23	0.05	03	1	0.3	2.0	1	<0.5	4	<5	15.0
L8600E 4300N	9	11.1	11.3	46	1	12.7	4.4	124	2.02	8.2	5	8	5.0	10	1	4	2	39	0.7	0.32	21	19.0	3.0	83	0.24	1	1.11	0.05	03	2	0.2	1.5	1	<0.5	4	<5	15.0
L8600E 4250N	1.0	19.4	14.2	44	1	17.0	5.1	111	2.05	6.1	1.6	8.9	7	15	1	3	2	30	0.9	0.55	20	19.1	2.5	130	0.12	1	1.16	0.06	04	1	0.5	1.2	1	<0.5	4	5	15.0
L8600E 4200N	1.0	19.4	14.2	44	1	17.0	5.1	111	2.05	6.1	1.6	8.9	7	15	1	3	2	30	0.9	0.55	20	19.1	2.5	130	0.12	1	1.16	0.06	04	1	0.5	1.2	1	<0.5	4	5	15.0
L8600E 4150N	1.0	19.4	14.2	44	1	17.0	5.1	111</																													

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Refruns and 'RRE' are Reject Refruns.



Date Aug 30/05 FA

DATE RECEIVED: AUG 12 2005 DATE REPORT MAILED: Aug 30/05
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



SAMPLE#

	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Sample
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm

L8600E 4200N	1.0	10.8	11.1	32	<1	10.8	4.6	140	2.50	8.6	5	1.7	4.0	7	1.1	5	2	51	05	018	14	23.5	24	65	021	1	1.46	005	03	1	02	2.0	1	<05	5	<5	15	
L8600E 4150N	.8	18.9	15.4	46	1	20.2	6.9	123	2.18	4.8	1.0	1.8	5.2	12	1	3	2	25	07	037	27	20.8	28	58	012	1	.85	005	03	2	03	1.6	1	<05	3	<5	15	
L8600E 4100N	1.1	29.2	20.1	66	1	28.7	10.2	277	3.18	8.1	1.3	5.0	10.1	17	1	4	3	29	10	038	32	23.5	45	82	014	1	1.29	005	04	1	02	1.9	<1	<05	4	5	15	
L8800E 5900N	.6	16.6	10.0	51	<1	15.4	5.4	199	1.98	6.8	7	2.5	2.1	10	1	5	2	32	13	045	17	22.5	32	107	026	1	1.10	005	05	2	04	2.0	1	<05	3	5	15	
L8800E 5850N	.6	14.7	11.1	43	<1	13.4	5.0	237	1.81	6.1	8	3.0	1.5	10	1	4	2	30	11	037	18	20.6	27	95	016	1	.97	004	05	1	04	1.4	1	<05	3	<5	15	
L8800E 5800N	.9	12.1	17.6	43	<1	11.4	4.3	137	1.98	7.5	8	3.0	1.4	9	<1	4	3	36	09	049	22	22.6	27	62	015	1	1.26	004	06	2	05	1.4	1	<05	4	5	15	
L8800E 5750N	.7	18.1	16.6	51	<1	14.8	6.5	249	1.98	6.7	8	1.9	2.4	10	1	4	3	29	13	053	20	20.1	26	83	018	1	.96	004	07	2	04	1.5	1	<05	3	5	15	
L8800E 5700N	.5	4.2	11.3	17	<1	5.6	1.8	60	1.40	6.0	4	2.4	9	7	<1	3	2	39	06	020	12	18.3	16	65	023	1	.99	004	02	1	04	1.3	1	<05	5	<5	15	
L8800E 5650N	.5	8.9	22.5	26	<1	8.1	2.7	72	1.37	5.6	5	2.5	4	8	1	3	2	31	07	031	13	18.2	20	60	016	2	.92	009	04	1	02	1.1	1	<05	4	5	15	
L8800E 5600N	.8	22.8	80.5	62	1	22.3	8.1	344	2.36	8.9	7	11.7	4.1	14	2	7	4	39	20	075	15	24.9	38	105	038	1	1.27	006	05	2	04	2.5	1	<05	3	5	15	
L8800E 5550N	.9	12.4	11.4	52	<1	16.1	8.2	248	2.97	9.7	5	1.8	4.3	7	2	6	2	45	08	028	12	36.0	36	92	033	1	2.44	006	04	1	04	3.4	1	<05	4	8	15	
L8800E 5500N	1.1	11.5	13.8	38	<1	12.8	5.7	199	2.92	9.1	6	3.3	3.3	9	1	5	2	56	08	029	14	31.9	33	99	028	1	1.68	005	04	2	05	2.5	1	<05	6	5	15	
L8800E 5450N	1.2	15.0	12.0	42	1	13.1	5.9	226	2.56	7.9	5	1.5	4.2	8	1	6	2	45	07	026	18	23.7	29	99	024	<1	1.32	005	06	2	03	2.1	1	<05	5	5	15	
L8800E 5400N	.8	21.6	12.8	48	<1	19.6	10.6	342	2.49	7.6	6	9.7	5.5	9	1	5	2	35	07	023	21	24.6	35	106	026	1	1.29	005	06	1	02	2.1	1	<05	4	<5	15	
L8800E 5350N	.9	15.4	11.1	41	1	13.9	5.3	171	2.19	7.1	5	3.2	4.1	8	1	4	2	45	07	018	16	26.7	32	126	030	<1	1.59	005	05	1	02	2.8	1	<05	5	<5	15	
L8800E 5300N	.8	15.4	10.3	43	1	15.2	5.6	166	2.34	8.1	4	3.5	4.1	7	1	5	2	38	06	025	16	22.7	30	119	017	<1	1.28	004	05	2	02	2.1	1	<05	4	<5	15	
L8800E 5250N	.8	12.8	10.4	39	1	12.0	4.7	150	2.19	6.7	4	3.9	3.9	9	<1	4	2	37	08	033	17	21.2	29	123	013	6	1.27	005	05	1	02	2.0	1	<05	4	<5	15	
L8800E 5200N	.9	19.8	12.8	48	1	16.8	8.4	323	2.59	6.7	5	4.5	6.9	9	1	5	2	32	10	037	24	19.1	26	98	011	<1	1.20	005	08	1	03	2.1	1	<05	4	<5	15	
L8800E 5150N	.9	13.9	12.3	39	1	14.6	6.2	254	2.49	8.5	4	3.0	3.5	12	1	4	2	43	13	028	16	22.7	31	186	025	1	1.22	006	07	1	03	2.3	1	<05	4	<5	15	
L8800E 5100N	.7	18.1	13.2	45	1	15.3	5.6	193	2.17	6.6	5	6	4.5	12	1	6	2	31	12	017	16	18.0	27	92	018	<1	.92	005	07	1	02	1.8	1	<05	3	<5	15	
L8800E 5050N	.6	19.2	14.1	48	<1	17.8	7.1	218	2.28	6.3	6	2.6	5.4	12	1	4	2	30	10	026	24	18.2	29	152	014	<1	1.08	005	07	2	02	2.1	1	<05	3	<5	15	
L8800E 5000N	1.2	24.1	18.0	57	1	22.1	9.0	213	3.12	8.3	6	5	8.5	15	1	6	3	33	08	035	28	23.4	37	121	011	<1	1.50	005	09	1	02	2.1	1	<05	4	<5	15	
L8800E 4950N	.9	15.1	14.4	49	1	16.8	6.5	238	2.60	8.3	5	8	5.1	10	1	5	2	42	09	031	17	24.3	33	131	024	1	1.47	005	08	2	03	2.5	1	<05	5	<5	15	
L8800E 4900N	.7	19.6	17.2	45	2	15.8	6.0	157	2.07	6.0	6	5	3.1	9	1	6	2	27	08	028	21	17.4	24	103	012	1	.92	004	07	1	02	1.6	1	<05	3	<5	15	
RE L8800E 4900N	.7	18.7	16.6	44	2	15.1	5.5	154	1.99	5.9	6	2.1	3.1	9	1	5	2	27	09	028	20	16.7	24	98	013	1	.87	005	06	1	03	1.6	1	<05	3	<5	15	
L8800E 4850N	.6	19.6	10.1	37	<1	14.6	6.9	311	1.90	8.0	6	9	1.0	10	1	5	1	34	11	042	15	20.5	26	95	016	1	1.00	005	04	2	02	1.4	1	<05	3	<5	15	
L8800E 4800N	.7	23.5	8.5	51	<1	20.9	7.5	218	2.31	8.3	7	2.3	4.2	12	<1	6	1	42	13	029	14	29.5	41	168	037	<1	1.30	006	04	2	01	3.4	1	<05	4	<5	15	
L8800E 4750N	.8	14.4	16.0	44	2	16.9	10.0	313	2.25	5.3	9	20.0	1.4	13	1	4	2	31	12	057	22	22.9	31	177	009	1	1.34	006	05	2	06	1.9	1	<05	4	<5	15	
L8800E 4700N	.7	20.1	16.4	51	<1	17.8	9.0	496	2.29	4.8	7	7	3.9	11	1	9	2	22	11	049	28	14.4	20	69	015	1	.66	005	07	2	03	1.3	1	<05	2	<5	15	
L8800E 4650N	.7	22.1	15.6	47	1	17.1	9.1	465	2.31	5.3	7	2.6	2.8	8	1	8	2	21	06	045	28	13.8	19	73	008	<1	.76	004	07	1	02	1.2	1	<05	3	<5	15	
L8800E 4600N	.7	19.2	17.5	44	<1	16.2	8.6	357	2.09	5.1	7	5	4.3	10	1	1.1	2	18	06	038	36	12.6	18	49	009	1	.65	003	07	1	01	1.2	1	<05	2	<5	15	
L8800E 4550N	.9	20.4	15.2	54	1	18.6	13.0	877	2.54	6.9	6	1.3	2.7	11	2	6	2	30	09	062	20	20.8	30	69	016	1	1.13	004	08	1	01	1.5	1	<05	4	<5	15	
L8800E 4500N	1.1	24.8	17.6	63	<1	21.6	12.1	722	3.16	7.2	6	7.3	5.7	13	1	8	2	36	07	059	26	22.1	39	66	026	1	1.22	005	09	1	02	1.8	1	<05	5	<5	15	
L8800E 4450N	1.1	23.5	14.9	61	<1	23.6	13.3	842	2.98	8.7	7	9	3.6	11	1	8	2	33	11	063	20	23.5	41	86	022	1	1.26	005	07	1	02	2.0	1	<05	4	<5	15	
STANDARD DS6	11.4	125.4	30.0	141	3	23.6	10.6	695	2.85	21.0	6.3	45.0	3.1	36	6	0	3	5	4	9	54	88	074	13	181	0	17	1.96	.072	16	3.6	22	3.4	1	<05	6	4.6	15

Sample type: SOIL \$580 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample g/m	
L9000E 4500N	1.1	21.4	11.7	56	1	21.1	6.2	347	2.45	8.1	.8	1.5	1.2	12	1	1.0	.2	27	11	.064	22	20.1	24	110	.008	1	.88	.006	.09	1	.04	1.2	.1	<.05	3	<.5	15.0	
L9000E 4550N	1.1	21.8	13.1	58	1	21.0	7.0	430	2.52	7.8	.8	1.0	1.8	11	2	1.0	.2	25	10	.065	21	19.4	24	111	.004	<1	.88	.005	.09	1	.05	1.3	.1	<.05	3	<.5	7.5	
L9000E 4500N	.9	14.7	8.4	28	1	11.2	2.8	97	1.21	5.1	.6	.6	.4	8	1	.5	.2	22	.05	.041	19	14.4	14	63	.005	1	.68	.005	.06	1	.03	.4	.1	<.05	3	<.5	15.0	
L9000E 4450N	1.0	16.6	13.2	46	1	15.4	5.2	257	2.06	6.5	.7	2.2	7	11	1	.6	.2	27	.09	.058	21	17.7	25	70	.010	1	.83	.006	.08	1	.04	.9	.1	<.05	3	<.5	15.0	
L9000E 4400N	1.1	14.7	11.4	41	<1	14.8	6.8	370	2.09	7.7	.6	1.7	2.2	9	1	.5	.2	29	.09	.042	20	18.4	26	72	.015	1	.93	.005	.04	1	.03	1.4	.1	<.05	3	.5	15.0	
L9000E 4350N	.9	15.5	10.6	40	<1	15.8	4.8	167	1.95	8.4	.6	1.6	1.9	11	1	.4	.2	31	.09	.041	23	24.0	36	71	.018	1	1.00	.005	.04	1	.04	1.5	.1	<.05	3	<.5	15.0	
L9000E 4300N	.6	10.5	8.0	32	<1	10.0	3.0	82	1.45	5.4	.5	1.2	.4	9	1	.3	.1	27	.07	.028	18	16.1	24	55	.012	1	.79	.005	.04	1	.02	.7	.1	<.05	3	<.5	15.0	
L9000E 4250N	.5	9.5	8.1	15	<1	5.7	1.6	40	.90	3.1	.5	1.1	.2	9	1	.2	.1	21	.06	.045	13	12.5	11	69	.004	<1	.66	.006	.03	<1	.03	.2	.1	<.05	3	<.5	15.0	
L9000E 4200N	.5	13.3	8.7	40	<1	12.9	4.7	132	1.89	7.3	.6	1.8	2.0	10	1	.4	.1	32	.12	.045	14	20.5	29	85	.026	1	1.03	.005	.04	1	.03	1.6	.1	<.05	3	<.5	15.0	
L9000E 4150N	.7	11.6	10.1	36	<1	12.5	4.1	113	1.64	5.5	.5	6.7	3.1	10	1	.3	.2	30	.10	.030	21	18.1	31	75	.028	1	.93	.006	.04	1	.02	1.5	.1	<.05	3	<.5	15.0	
L9000E 4100N	.5	10.5	9.5	36	<1	10.3	3.8	100	1.89	7.7	.7	2.4	2.2	10	1	.4	.2	36	.11	.039	15	21.9	30	92	.031	1	1.16	.005	.04	2	.05	1.9	.1	<.05	4	.5	15.0	
L9200E 5900N	.9	20.4	10.9	64	<1	24.5	11.2	370	2.53	9.6	.6	2.2	5.0	11	3	.8	.2	38	.11	.042	17	27.8	38	109	.030	1	1.49	.006	.07	1	.03	2.8	.1	<.05	4	.5	15.0	
L9200E 5850N	.9	17.1	13.2	63	<1	18.8	8.7	342	2.68	12.2	.8	2.2	4.3	11	2	.7	.2	38	.12	.051	15	26.5	39	91	.027	1	1.55	.005	.08	2	.06	2.5	.1	<.05	4	.6	15.0	
RE L9200E 5850N	.9	16.6	12.9	62	<1	19.6	8.7	340	2.66	12.3	.8	3.7	4.3	11	2	.7	.2	39	.12	.052	15	26.1	39	90	.027	1	1.54	.006	.08	2	.06	2.5	.1	<.05	4	.6	15.0	
L9200E 5800N	1.1	10.5	11.6	43	<1	10.9	5.2	237	2.87	11.3	.6	1.0	3.2	8	2	.6	.2	59	.08	.028	15	30.9	31	74	.047	1	1.55	.005	.05	2	.03	2.6	.1	<.05	6	.5	15.0	
L9200E 5750N	.7	9.3	9.0	37	<1	9.8	3.7	109	1.89	7.5	.7	1.0	.9	9	1	.4	.2	37	.12	.048	12	21.9	29	74	.026	1	1.13	.005	.05	1	.05	1.6	.1	<.05	4	.6	15.0	
L9200E 5700N	.7	16.8	11.4	48	<1	15.7	8.6	277	2.03	6.4	.6	1.4	5.3	7	1	.4	.2	33	.07	.022	18	21.4	31	86	.023	<1	1.17	.005	.05	1	.02	2.1	.1	<.05	4	<.5	15.0	
L9200E 5650N	.9	17.5	16.0	57	<1	17.5	7.8	237	2.63	8.1	.7	3.6	6.8	9	1	.5	.2	36	.07	.025	23	23.8	33	133	.022	1	1.46	.006	.09	1	.03	2.3	.1	<.05	4	<.5	15.0	
L9200E 5600N	.9	14.9	12.1	49	<1	14.5	6.5	177	2.59	10.2	1.0	3.3	4.3	9	1	.5	.2	45	.09	.031	17	30.8	37	113	.036	1	1.59	.006	.06	2	.05	3.0	.1	<.05	5	.6	15.0	
L9200E 5550N	.7	9.5	14.1	35	<1	8.5	2.9	103	1.48	4.1	.5	2.4	5.1	8	<1	.3	.3	29	.06	.026	29	16.8	21	77	.019	1	1.03	.004	.08	1	.02	1.6	.1	<.05	4	<.5	15.0	
L9200E 5500N	1.0	7.1	10.5	37	<1	8.9	3.8	142	2.12	9.4	.4	2.1	3.4	8	1	.4	.2	50	.07	.039	16	22.0	26	57	.043	1	1.01	.004	.06	1	.02	1.7	.1	<.05	5	<.5	15.0	
L9200E 5450N	1.1	12.2	12.4	52	<1	13.1	6.2	226	2.48	8.7	.6	.6	4.6	8	1	.5	.2	48	.08	.033	17	27.0	33	114	.025	1	1.54	.006	.07	2	.02	2.3	.1	<.05	5	<.5	15.0	
L9200E 5400N	.9	16.2	11.8	56	<1	18.1	7.1	274	2.44	9.2	.8	5.4	5.3	13	1	.5	.2	41	.12	.030	19	26.3	37	147	.034	1	1.29	.006	.09	2	.03	2.5	.1	<.05	4	<.5	15.0	
L9200E 5350N	.7	14.4	12.1	43	<1	14.4	5.2	198	2.01	7.0	.6	1.2	1.9	24	<1	.4	.2	38	.24	.030	18	22.4	33	195	.022	1	1.22	.007	.08	1	.03	2.1	.1	<.05	4	<.5	15.0	
L9200E 5300N	.5	15.4	13.2	42	<1	13.8	4.5	138	1.76	5.2	.7	2.8	.5	17	1	.3	.2	31	.17	.041	17	20.6	29	191	.013	1	1.11	.007	.05	1	.04	1.2	.1	<.05	3	<.5	15.0	
L9200E 5250N	.9	11.6	11.2	43	<1	12.3	5.8	254	2.11	7.4	.5	2.8	3.6	7	1	.4	.2	39	.06	.033	17	20.2	28	84	.027	<1	1.03	.005	.05	2	.02	1.8	.1	<.05	4	<.5	15.0	
L9200E 5200N	.6	17.3	13.9	50	<1	16.2	6.1	206	2.00	6.1	.7	1.8	4.1	9	2	.4	.1	32	.10	.030	19	22.0	34	98	.030	1	1.07	.006	.06	1	.02	2.0	.1	<.05	3	<.5	15.0	
L9200E 5150N	.8	13.8	15.4	45	<1	13.2	6.5	277	2.05	7.0	.8	17.4	2.1	10	1	.3	.2	37	.11	.037	22	21.7	29	90	.031	1	1.10	.005	.06	2	.03	1.8	.1	<.05	4	<.5	15.0	
L9200E 5100N	.7	12.8	20.2	47	<1	12.3	4.5	137	1.98	6.4	.7	4.3	1.2	9	1	.4	.2	34	.08	.031	21	19.6	27	78	.018	1	1.14	.005	.06	1	.02	1.3	.1	<.05	4	<.5	15.0	
L9200E 5050N	.6	15.9	11.8	49	<1	13.8	6.4	245	2.03	5.5	.6	3.8	3.6	10	1	.4	.2	30	.10	.034	20	18.4	28	76	.022	<1	.89	.005	.06	1	.02	1.6	.1	<.05	3	<.5	15.0	
L9200E 5000N	.7	17.5	10.8	47	<1	15.7	6.9	205	2.10	7.1	.9	1.5	4.9	9	1	.5	.2	38	.10	.028	18	25.0	35	116	.036	1	1.27	.006	.05	1	.03	3.0	.1	<.05	4	<.5	15.0	
L9200E 4950N	.7	17.1	16.2	56	<1	17.2	7.7	294	2.39	6.7	.6	1.1	5.6	8	1	.5	.2	32	.09	.031	21	22.2	31	79	.027	1	1.03	.005	.06	1	.02	1.9	.1	<.05	3	<.5	15.0	
L9200E 4900N	.8	14.5	13.5	46	<1	17.0	6.1	208	2.23	8.5	.7	8.7	4.0	10	1	.5	.2	40	.11	.039	17	24.4	32	97	.035	1	1.17	.006	.06	2	.02	2.2	.1	<.05	4	<.5	15.0	
L9200E 4850N	.7	15.2	14.6	40	<1	13.0	6.0	226	1.99	7.1	.7	2.4	2.0	9	1	.4	.2	36	.09	.037	18	23.2	28	91	.028	1	1.13	.005	.05	1	.02	1.8	.1	<.05	4	<.5	15.0	
STANDARD D56	11.4	119.5	30.1	145		3	24.2	10.5	683	2.87	21.2	6.6	47.7	3.2	39	6.1	3.5	5.0	58	.88	.079	15	176.6	58	164	.088	18	1.95	.075	17	3.4	23	3.5	1.8	<.05	6	4.4	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Retruns and 'RRE' are Reject Retruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
L9200E 4800N	.9	10.5	14.2	39	.1	11.3	4.2	151	2.35	8.0	.5	2.3	3.9	9	.1	.4	.2	39	.09	.037	18	23.6	30	87	.028	1	1.18	.006	.07	.2	.02	2.0	.1	<.05	5	<.5	15.0
L9200E 4750N	.7	15.6	14.2	46	.1	15.0	5.7	181	2.11	6.2	.7	2.4	5.7	8	.1	.5	.2	33	.07	.021	21	23.1	33	94	.026	1	1.15	.005	.07	.1	.02	2.2	.1	<.05	4	<.5	15.0
L9200E 4700N	1.0	28.7	24.0	73	<.1	24.9	10.2	435	3.52	7.0	.9	.9	10.4	8	.1	.7	.3	30	.04	.042	34	21.2	.29	84	.012	<1	1.15	.004	.11	.1	.01	1.9	.1	<.05	4	<.5	15.0
L9200E 4650N	.9	20.8	15.5	68	<.1	24.7	12.5	448	3.05	9.3	.7	1.6	7.0	10	.2	.7	.2	40	.08	.029	21	28.0	.39	136	.030	1	1.47	.007	.08	.1	.02	2.4	.1	<.05	4	<.5	15.0
L9200E 4600N	.6	12.1	12.0	40	.1	11.7	4.6	126	1.77	5.7	.6	1.3	.5	10	.1	.4	.2	29	.09	.034	17	19.0	.27	106	.014	1	.95	.005	.06	.2	.04	1.1	.1	<.05	3	<.5	15.0
L9200E 4550N	.9	17.2	10.4	46	.1	17.0	6.5	189	1.93	5.8	.8	5.8	.9	18	.2	.4	.2	30	.18	.053	22	20.9	.28	171	.017	2	.91	.007	.07	.3	.05	1.5	.1	<.05	3	<.5	7.5
L9200E 4500N	.9	16.5	15.5	48	.1	14.6	6.3	317	2.32	7.3	.6	1.5	1.0	10	.1	.4	.2	31	.08	.048	21	21.8	.31	72	.012	1	.93	.005	.06	.1	.03	1.1	.1	<.05	4	<.5	15.0
L9200E 4450N	.8	15.2	12.1	52	.1	15.8	8.3	364	2.12	6.4	.7	4.4	2.2	9	.1	.4	.2	26	.09	.043	22	19.8	.32	73	.016	1	.90	.005	.05	.1	.03	1.4	.1	<.05	3	<.5	15.0
L9200E 4400N	.6	10.9	11.8	33	.1	10.7	3.6	90	1.56	4.5	.6	.7	.9	10	.1	.2	.2	25	.08	.032	24	18.6	.25	74	.012	1	.90	.005	.04	.1	.04	1.1	.1	<.05	4	<.5	15.0
L9200E 4350N	.8	16.9	12.2	44	.1	14.8	5.6	178	1.93	5.9	.9	1.9	1.0	14	.2	.4	.2	28	.13	.049	25	20.9	.31	112	.018	2	.95	.006	.05	.1	.04	1.3	.1	<.05	3	<.5	15.0
L9200E 4300N	.7	10.7	10.5	31	.1	9.6	3.1	79	1.42	3.7	.6	2.3	.6	10	.1	.3	.2	22	.07	.034	27	16.6	.23	65	.010	2	.80	.005	.04	.1	.04	.7	.1	<.05	3	<.5	15.0
L9200E 4250N	.6	17.4	14.3	46	<.1	15.1	5.5	144	2.12	5.3	.8	.6	2.8	12	.1	.4	.2	24	.10	.043	29	19.4	.34	57	.018	1	.95	.005	.04	.1	.02	1.2	<.1	<.05	3	<.5	15.0
L9200E 4200N	.7	16.0	11.2	48	<.1	16.1	6.5	216	2.08	6.5	.8	9.3	1.8	12	.1	.5	.2	31	.12	.047	20	23.6	.35	89	.022	1	1.04	.005	.05	.1	.02	1.6	.1	<.05	3	<.5	15.0
L9200E 4150N	.6	19.1	8.5	51	<.1	17.1	5.8	194	1.98	6.9	.7	1.7	1.8	12	.1	.5	.1	32	.15	.048	18	22.8	.35	101	.029	2	1.02	.006	.05	.1	.02	1.9	.1	<.05	3	<.5	15.0
L9200E 4100N	.7	19.5	13.8	52	<.1	18.4	6.2	171	2.41	5.5	1.0	1.2	5.5	10	.1	.4	.2	28	.08	.035	35	24.7	.38	72	.017	2	1.25	.005	.05	.1	.03	1.9	.1	<.05	4	.5	15.0
L9400E 5900N	.7	18.4	12.4	46	<.1	17.9	6.0	186	2.30	5.5	.6	1.6	2.9	11	.1	.7	.2	25	.08	.034	21	17.7	.25	64	.014	1	.82	.004	.06	.1	.05	1.5	.1	<.05	2	<.5	15.0
RE L9400E 5900N	.7	18.3	12.6	45	<.1	18.1	6.2	195	2.36	5.6	.6	1.2	2.9	12	.1	.9	.2	27	.09	.034	22	18.7	.26	70	.019	2	.85	.006	.07	.1	.05	1.7	.1	<.05	3	<.5	15.0
L9400E 5850N	.7	17.8	13.5	49	<.1	16.8	5.8	145	2.28	6.8	.7	.5	4.3	9	.1	.6	.2	33	.09	.027	22	22.5	.29	80	.020	1	1.18	.005	.07	.1	.03	2.0	.1	<.05	3	<.5	15.0
L9400E 5800N	.5	8.5	12.5	32	<.1	8.5	3.2	89	1.62	5.8	.6	4.4	.6	8	<.1	.3	.2	31	.09	.038	19	20.3	.23	68	.014	1	1.15	.004	.06	.1	.04	1.1	.1	<.05	4	<.5	15.0
L9400E 5750N	.8	11.7	10.7	44	<.1	11.9	4.2	125	2.01	7.3	.7	2.7	1.8	9	.1	.4	.2	38	.12	.044	16	24.4	.32	81	.031	2	1.13	.005	.06	.1	.04	1.8	.1	<.05	4	.5	15.0
L9400E 5700N	.6	12.9	9.3	44	<.1	13.4	4.7	150	1.82	6.6	.5	1.2	1.6	9	.1	.5	.2	34	.10	.045	15	20.9	.31	81	.028	1	.98	.005	.06	.1	.03	1.6	.1	<.05	4	<.5	15.0
L9400E 5650N	.8	14.9	14.2	28	.1	8.0	3.0	84	1.56	3.7	.6	1.1	.3	8	.1	.2	.2	30	.06	.091	17	18.6	.14	89	.006	1	1.04	.005	.06	.1	.03	.3	.1	<.05	5	<.5	7.5
L9400E 5600N	1.0	15.1	15.5	30	.1	8.1	2.8	74	1.35	3.9	.5	.9	.3	7	.1	.3	.2	30	.05	.051	23	16.2	.14	80	.006	1	.97	.006	.07	.1	.02	.4	.1	<.05	4	<.5	7.5
L9400E 5550N	.6	7.9	10.3	15	<.1	4.3	1.3	36	.84	3.4	.4	1.2	.2	6	.1	.2	.2	25	.05	.039	13	15.6	.11	54	.004	1	.75	.004	.03	.1	.03	.2	.1	<.05	4	<.5	15.0
L9400E 5500N	.9	11.6	13.2	50	.1	17.2	7.8	247	2.76	10.1	.5	4.3	3.4	7	.2	.4	.2	42	.08	.036	13	26.7	.30	97	.026	1	1.49	.005	.05	.2	.03	2.0	.1	<.05	4	.5	15.0
L9400E 5450N	1.0	13.2	11.1	51	<.1	14.4	6.9	220	2.53	8.8	.6	2.2	3.5	7	.2	.4	.2	46	.07	.028	14	29.2	.31	101	.035	2	1.57	.006	.05	.1	.02	2.6	.1	<.05	5	.5	15.0
L9400E 5400N	.7	10.6	10.5	31	<.1	8.7	3.0	86	1.56	5.1	.4	13.5	.5	8	.1	.3	.2	36	.07	.072	15	20.6	.23	83	.019	1	1.00	.006	.05	.1	.01	1.2	.1	<.05	5	<.5	15.0
L9400E 5350N	.7	11.7	8.5	41	<.1	13.1	4.3	129	1.92	6.2	.5	1.2	3.0	8	.1	.4	.2	38	.09	.028	19	21.0	.29	69	.034	1	.96	.005	.05	.2	.03	1.7	.1	<.05	4	<.5	15.0
L9400E 5300N	.7	8.2	11.3	27	<.1	7.9	2.8	80	1.56	5.5	.5	5.9	1.0	8	.1	.3	.2	38	.07	.037	18	19.2	.21	68	.027	1	.97	.005	.05	.1	.02	1.3	.1	<.05	4	<.5	15.0
L9400E 5250N	.7	8.8	7.3	27	.1	7.7	2.7	107	1.39	5.4	.4	<.5	.2	8	.1	.3	.1	34	.08	.032	15	16.1	.19	79	.015	1	.79	.005	.04	.1	.02	.6	.1	<.05	3	<.5	15.0
L9400E 5200N	.7	14.8	11.4	48	<.1	14.4	6.6	235	2.17	7.7	.7	1.5	3.2	8	.1	.4	.2	39	.09	.034	17	25.3	.33	99	.032	1	1.19	.005	.05	.2	.03	2.3	.1	<.05	4	.5	15.0
L9400E 5150N	.6	8.3	14.5	27	<.1	7.4	2.8	86	1.75	5.0	.5	2.8	.8	7	.1	.3	.2	41	.06	.046	15	20.2	.18	69	.020	1	1.10	.004	.05	.1	.01	1.4	.1	<.05	5	<.5	15.0
L9400E 5100N	.7	8.2	9.3	30	<.1	8.7	3.1	88	1.65	6.5	.5	4.0	.8	7	.1	.3	.2	38	.07	.025	16	19.4	.23	65	.019	1	.84	.004	.04	.1	.03	1.0	.1	<.05	4	<.5	15.0
L9400E 5050N	.6	10.6	8.5	40	<.1	12.5	4.0	117	1.84	7.4	.4	<.5	2.4	8	.1	.4	.1	37	.09	.028	15	21.6	.30	81	.030	1	.98	.005	.04	.2	.03	1.7	.1	<.05	4	<.5	15.0
STANDARD D56	11.3	118.2	29.6	147	.3	23.8	10.5	703	2.88	21.9	6.4	45.3	3.1	39	6.0	3.6	5.0	57	.87	.077	15	178.7	.59	169	.087	18	1.91	.076	.17	3.4	24	3.5	1.7	<.05	6	4.5	15.0

Sample Type: SOIL S580 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



AA ANALYTICAL



AA ANALYTICAL

AA ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Se ppm	Tl ppm	S %	Ga ppm	Sample gm		
L9400E 5000N	7	11.0	10.9	38	<1	11.3	5.9	236	1.92	6.3	5	3.1	2.5	7	1	4	2	30	07	038	14	19.4	26	58	021	1	.88	.004	.04	.2	.01	1.5	1	<.05	3	<.5	15	
L9400E 4950N	7	15.4	11.0	49	<1	15.6	6.8	244	2.21	7.4	7	1.5	4.6	8	1	5	2	35	07	033	14	23.3	35	92	029	<1	1.14	.004	.05	.2	.03	2.1	1	<.05	3	<.5	15	
L9400E 4900N	8	8.8	10.1	31	<1	9.0	3.2	97	1.73	5.8	4	1.0	1.0	6	1	3	2	36	05	028	13	17.2	22	59	018	<1	.98	.004	.04	.1	.01	1.2	1	<.05	4	<.5	15	
L9400E 4850N	6	18.0	10.7	42	<1	14.6	5.5	169	1.92	6.7	7	1.5	4.4	6	<1	4	1	32	05	025	12	22.3	34	100	027	<1	1.06	.006	.04	.2	.03	2.2	1	<.05	3	<.5	15	
L9400E 4800N	6	12.6	14.1	26	<1	7.7	2.7	84	1.50	5.3	6	1.3	4	6	1	3	2	29	05	048	13	17.7	18	66	013	<1	.87	.004	.04	.1	.03	6	1	<.05	4	<.5	15	
L9400E 4750N	8	9.6	11.5	35	<1	9.5	3.5	104	1.76	7.2	5	8	6	7	<1	3	2	35	06	033	12	19.4	26	72	017	<1	.94	.004	.04	.2	.03	1.1	1	<.05	4	<.5	15	
L9400E 4700N	9	23.5	15.9	45	2	15.8	5.7	128	2.12	5.6	1.1	2.9	8	8	1	4	2	25	05	056	20	16.5	22	114	009	1	1.04	.005	.07	.1	.06	1.1	1	<.05	3	<.5	15	
L9400E 4650N	1.0	20.1	16.1	51	1	17.4	9.0	360	2.64	8.6	1.1	5.0	4.2	11	1	4	3	40	08	042	27	24.1	29	181	017	<1	1.26	.004	.06	.2	.03	2.4	1	<.05	4	<.5	15	
L9400E 4600N	8	21.1	16.6	57	<1	19.7	8.4	265	2.60	6.2	7	5.0	6.6	10	1	5	2	32	06	035	26	19.7	33	75	022	<1	1.02	.004	.07	.2	.02	1.8	1	<.05	3	<.5	15	
L9400E 4550N	6	16.3	13.1	47	1	14.4	6.6	233	2.00	5.5	6	18.6	2.2	9	1	4	2	26	09	044	19	17.6	27	77	016	<1	.84	.006	.05	.1	.02	1.4	1	<.05	3	<.5	15	
RE L9400E 4550N	7	16.8	13.6	48	1	15.5	7.0	243	2.08	5.7	6	2.1	2.3	9	1	4	2	28	09	045	19	18.3	28	77	017	<1	.88	.005	.06	.1	.03	1.5	1	<.05	3	<.5	15	
L9400E 4500N	6	22.7	15.5	59	1	20.0	8.7	288	2.49	4.6	7	2.8	4.0	9	1	9	2	24	06	036	27	15.8	25	71	014	<1	.82	.004	.07	.1	.02	1.5	1	<.05	3	<.5	15	
L9400E 4450N	9	18.9	18.4	66	2	23.2	14.2	609	2.76	7.0	1.2	2.4	3.0	17	1	5	3	31	16	069	20	28.7	39	196	009	1	1.34	.006	.04	.1	.06	2.3	1	<.05	4	<.5	15	
L9400E 4400N	7	16.3	14.0	57	1	20.9	9.1	244	2.36	6.4	9	1.9	1.7	13	1	5	2	31	13	054	20	27.0	37	134	011	1	1.19	.005	.06	.1	.04	1.8	1	<.05	4	<.5	15	
L9400E 4350N	7	22.3	17.1	63	1	22.1	10.4	278	2.72	6.4	1.1	1.7	4.5	12	1	5	2	23	07	043	29	20.4	28	87	011	<1	.93	.004	.04	.1	.04	1.9	1	<.05	3	<.5	15	
L9400E 4300N	6	23.4	17.2	67	1	23.2	11.2	272	2.77	6.0	1.1	1.9	5.8	12	1	5	2	22	07	042	30	18.5	26	79	010	<1	.86	.004	.04	.1	.04	1.8	1	<.05	2	<.5	15	
L9400E 4250N	6	23.0	18.1	64	1	23.2	10.1	261	2.75	6.1	1.2	2.1	4.7	11	1	4	2	22	07	044	30	19.9	27	85	010	<1	.91	.004	.04	.1	.04	1.9	1	<.05	2	<.5	15	
L9400E 4200N	9	15.6	13.4	48	1	18.5	7.0	291	2.11	7.9	8	4.2	6	11	1	5	2	34	10	054	15	27.8	34	113	013	1	1.15	.005	.04	.1	.04	1.3	1	<.05	4	<.5	15	
L9400E 4150N	6	21.2	15.5	49	1	20.9	6.1	117	1.94	7.1	9	4.2	6	9	1	7	2	35	08	048	20	32.2	39	120	013	1	1.25	.005	.04	.1	.03	1.2	1	<.05	4	<.5	15	
L9400E 4100N	7	17.4	13.3	44	<1	16.6	5.3	109	1.79	6.8	8	4.1	4	9	1	6	2	34	08	046	16	29.0	35	116	011	1	1.20	.005	.04	.1	.04	9	1	<.05	4	<.5	15	
L9600E 5900N	7	10.6	8.0	33	<1	10.5	3.3	87	1.63	4.7	4	1.5	3	7	1	4	2	29	05	030	14	19.3	23	64	010	1	1.02	.004	.05	.1	.03	7	1	<.05	3	<.5	15	
L9600E 5850N	1.0	10.9	12.1	36	<1	9.6	3.7	91	1.78	6.3	6	2.0	4	7	<1	4	2	34	07	047	16	24.2	24	72	013	1	1.32	.004	.05	.1	.04	7	1	<.05	5	<.5	15	
L9600E 5800N	8	11.3	10.2	47	<1	14.1	6.0	200	2.34	8.0	5	2.8	2.2	9	1	5	2	39	10	041	12	26.8	34	78	027	1	1.42	.005	.04	.1	.02	2.0	1	<.05	4	<.5	15	
L9600E 5750N	8	12.7	11.5	50	<1	15.6	6.6	236	2.59	7.1	5	2.0	2.5	7	1	5	2	35	08	039	16	24.9	32	64	022	1	1.20	.004	.05	.2	.02	1.8	1	<.05	4	<.5	15	
L9600E 5700N	1.1	5.9	12.7	38	<1	9.8	5.1	238	3.59	10.7	5	1.5	2.7	6	<1	5	2	67	06	044	11	27.0	30	65	054	1	1.25	.004	.03	.2	.02	1.8	1	<.05	7	<.5	15	
L9600E 5650N	9	15.9	16.3	49	<1	16.8	7.0	222	2.93	8.6	6	20.6	4.3	6	1	5	2	39	06	030	15	26.7	30	77	024	1	1.24	.004	.05	.1	.03	2.1	1	<.05	4	<.5	15	
L9600E 5600N	9	25.1	14.9	70	1	23.2	11.1	342	2.71	8.1	1.0	1.5	5.5	10	2	5	2	36	11	042	22	24.3	39	159	025	1	1.28	.007	.06	.1	.04	2.7	1	<.05	4	<.5	15	
L9600E 5550N	1.0	15.6	14.7	49	<1	15.8	6.8	274	2.76	8.8	6	1.0	1.9	7	1	5	2	43	06	038	16	24.4	30	75	025	1	1.08	.004	.05	.1	.02	1.6	1	<.05	4	<.5	15	
L9600E 5500N	7	7.8	14.4	23	<1	7.6	2.8	98	1.51	5.9	4	1.9	1.2	5	<1	3	2	35	04	030	15	16.4	17	57	027	1	.95	.003	.04	.1	.02	1.2	1	<.05	5	<.5	15	
L9600E 5450N	1.0	11.1	13.8	35	<1	9.9	3.9	137	2.37	7.7	6	9	2.8	6	1	3	2	41	05	038	15	24.2	25	67	022	1	1.25	.004	.04	.2	.04	1.7	1	<.05	5	<.5	15	
L9600E 5400N	9	14.2	12.9	45	<1	13.5	5.4	215	2.22	8.0	6	3.0	1.7	8	1	4	2	37	07	048	17	23.4	29	74	023	1	1.10	.004	.05	.1	.02	1.6	1	<.05	4	<.5	15	
L9600E 5350N	8	12.4	14.0	38	<1	10.9	4.1	123	2.01	7.6	6	3.4	1.1	7	1	4	2	37	05	045	16	21.4	26	73	022	1	1.09	.004	.04	.2	.03	1.3	1	<.05	4	<.5	15	
L9600E 5300N	6	13.2	8.8	37	<1	13.4	4.0	111	1.58	6.1	5	9	8	5	7	<1	4	2	30	06	025	14	18.6	27	88	019	1	.92	.004	.04	.1	.03	1.0	1	<.05	3	<.5	15
L9600E 5250N	9	11.8	10.5	27	<1	8.6	2.9	79	1.36	4.9	5	2.3	5	7	1	3	2	30	05	047	15	15.9	17	77	017	1	.87	.004	.04	.1	.02	9	1	<.05	4	<.5	15	
STANDARD DS6	11.4	117.7	27.9	146	3	23.5	10.4	692	2.88	21.1	6.3	43.4	2.9	36	6.1	3.4	4.8	55	.83	.077	13	185.6	59	163	.080	17	1.85	.074	.16	3.5	24	3.5	1.7	<.05	6	4.4	15	

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Returns and 'RRE' are Reject Returns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Y ppm	Ga ppm	Se ppm			
L9600E 5200N	.8	15.5	11.5	48	<1	16.1	5.8	210	2.10	7.3	.6	2.2	1.9	9	1	.5	.2	37	.07	.029	21	21.7	.32	91	.025	1	.97	.005	.05	.2	.02	1.6	.1	<.05	4	<.5	15.0
L9600E 5150N	.7	13.3	11.4	34	<1	10.8	4.1	131	1.69	5.3	.7	1.5	2.4	8	<1	.4	.2	33	.06	.029	19	20.5	.25	68	.022	1	.97	.005	.04	.1	.02	1.7	.1	<.05	4	<.5	15.0
L9600E 5100N	.6	10.9	12.9	22	<1	7.2	2.7	87	1.39	4.2	.6	2.4	.3	8	1	.2	.2	32	.06	.041	18	18.1	.17	76	.010	1	.95	.004	.05	.1	.03	.5	.1	<.05	4	<.5	15.0
L9600E 5050N	.7	13.5	10.6	44	<1	13.7	5.1	159	1.98	7.7	.7	1.6	3.3	7	1	.5	.2	35	.08	.031	16	22.3	.30	65	.026	1	1.02	.004	.04	.1	.04	1.9	.1	<.05	4	<.5	15.0
L9600E 5000N	.7	15.2	12.8	42	<1	14.3	5.3	155	2.05	6.1	.7	1.6	4.9	8	1	.4	.2	34	.07	.024	17	22.4	.31	74	.026	1	1.11	.005	.05	.1	.03	2.0	.1	<.05	4	<.5	15.0
L9600E 4950N	.9	10.9	18.8	38	.1	10.3	4.9	187	2.51	8.7	.5	2.4	4.2	8	1	.4	.2	49	.08	.047	16	27.6	.28	65	.028	1	1.25	.004	.05	.2	.05	2.1	.1	<.05	5	<.5	15.0
L9600E 4900N	1.2	9.2	9.3	28	<1	6.8	2.6	95	1.44	8.1	.5	3.0	.7	7	<1	.6	.2	49	.05	.028	21	12.9	.11	49	.024	1	.62	.003	.05	.1	.02	.8	.1	<.05	4	<.5	15.0
L9600E 4850N	.5	6.4	9.6	24	<1	6.9	2.3	62	1.47	6.4	.5	.7	.4	7	<1	.3	.1	35	.06	.027	13	17.7	.19	52	.017	1	.70	.004	.03	.2	.03	.7	.1	<.05	4	<.5	15.0
L9600E 4800N	.7	9.3	12.2	30	<1	8.8	3.1	90	1.77	7.1	.6	6.1	.6	9	1	.3	.2	37	.08	.041	16	19.8	.24	65	.024	1	.87	.004	.04	.2	.04	1.1	.1	<.05	4	<.5	15.0
L9600E 4750N	.6	11.0	14.2	29	<1	8.9	3.5	155	1.52	6.5	.7	3.6	.2	9	1	.3	.2	36	.08	.049	14	18.8	.21	65	.019	1	.82	.004	.04	.2	.04	.7	.1	<.05	4	<.5	15.0
L9600E 4700N	.8	18.9	12.1	52	<1	18.5	7.7	254	2.33	8.6	1.0	1.4	2.7	13	1	.5	.2	41	.14	.046	20	26.8	.38	123	.035	1	1.26	.006	.05	.2	.04	2.3	.1	<.05	4	<.5	15.0
L9600E 4650N	.6	14.4	9.7	43	<1	13.7	5.1	172	1.93	6.7	.7	7.9	3.6	8	1	.5	.1	34	.09	.033	16	22.2	.30	77	.030	1	.94	.004	.04	.2	.04	1.8	.1	<.05	3	<.5	15.0
L9600E 4600N	.5	12.2	8.1	38	<1	11.6	3.8	120	1.61	6.6	.5	4.9	.7	9	<1	.4	.2	33	.09	.031	15	18.9	.27	77	.023	1	.81	.005	.04	.1	.04	1.1	.1	<.05	3	<.5	15.0
L9600E 4550N	.6	11.6	8.8	17	.1	6.0	1.8	40	1.02	2.8	.5	1.8	.2	8	1	.2	.1	25	.05	.066	14	15.4	.12	79	.004	1	.93	.006	.04	.1	.02	.3	.1	<.05	4	<.5	7.5
L9600E 4500N	.6	9.2	10.2	31	<1	9.4	3.4	105	1.57	5.2	.6	2.2	1.8	10	<1	.3	.2	33	.09	.033	18	19.3	.25	69	.026	1	.90	.004	.05	.1	.04	1.4	.1	<.05	4	<.5	15.0
L9600E 4450N	.6	12.0	10.3	33	<1	10.4	3.9	183	1.59	5.2	.7	2.3	1.0	10	1	.4	.2	30	.10	.051	18	19.4	.24	68	.020	1	.86	.006	.05	.2	.03	1.2	.1	<.05	3	<.5	15.0
L9600E 4400N	.9	19.7	11.9	51	<1	17.8	7.5	261	2.33	7.8	.8	2.0	4.3	8	2	.6	.2	39	.08	.029	16	26.8	.35	109	.029	1	1.38	.006	.05	.1	.05	2.6	.1	<.05	4	<.5	15.0
L9600E 4350N	.7	12.4	12.8	32	<1	10.8	3.4	93	1.49	3.7	.6	1.5	.8	8	<1	.3	.2	27	.06	.037	25	17.7	.24	68	.011	1	1.03	.005	.07	.1	.03	1.1	.1	<.05	4	<.5	15.0
L9600E 4300N	.8	13.2	8.8	30	<1	10.4	3.8	148	1.41	4.9	.6	7.4	.3	10	1	.4	.2	31	.08	.041	15	19.4	.20	87	.010	1	.81	.005	.05	.1	.03	.5	.1	<.05	3	<.5	15.0
L9600E 4250N	.8	12.0	8.4	29	<1	9.6	3.1	123	1.35	4.9	.6	.8	.2	10	1	.4	.1	31	.08	.038	15	19.1	.20	86	.011	1	.82	.005	.05	.1	.03	.5	.1	<.05	4	<.5	15.0
L9600E 4200N	.6	14.5	9.3	42	<1	14.5	4.7	149	1.78	5.3	.6	3.3	.8	12	1	.4	.1	32	.13	.044	19	23.1	.32	87	.026	1	.91	.006	.04	.1	.03	1.3	.1	<.05	3	<.5	15.0
L9600E 4150N	.6	15.7	9.3	44	<1	15.7	5.2	162	1.85	5.5	.6	1.2	1.1	12	2	.5	.1	32	.13	.046	19	23.4	.34	93	.026	1	.95	.007	.04	.2	.03	1.4	.1	<.05	3	<.5	15.0
L9600E 4100N	.6	15.9	9.9	45	<1	15.9	5.2	171	1.96	5.7	.7	2.2	.8	12	1	.4	.1	35	.14	.048	21	25.1	.36	92	.025	1	1.02	.006	.05	.1	.04	1.4	.1	<.05	4	<.5	15.0
L9800E 5900N	.5	12.5	12.3	40	<1	11.8	4.1	151	1.55	4.1	.7	1.6	.7	12	1	.3	.2	28	.13	.051	20	19.0	.26	71	.023	1	.84	.006	.06	.1	.04	1.0	.1	<.05	3	<.5	15.0
L9800E 5850N	.6	8.9	10.7	31	<1	9.3	2.9	92	1.28	4.7	.6	1.7	.3	10	1	.3	.2	30	.09	.034	15	18.8	.22	78	.020	1	.84	.005	.05	.1	.04	.8	.1	<.05	4	<.5	15.0
L9800E 5800N	.8	12.2	52.6	40	.1	12.1	4.0	128	1.88	6.0	.7	2.9	.6	9	1	.4	.2	37	.09	.046	16	23.0	.28	73	.015	1	1.14	.005	.05	.2	.04	1.0	.1	<.05	4	<.5	15.0
L9800E 5750N	1.0	14.8	19.4	44	<1	13.6	4.9	175	1.93	6.9	.8	1.1	.6	11	1	.4	.2	39	.11	.046	18	21.7	.26	71	.027	1	1.00	.006	.06	.1	.03	1.1	.1	<.05	4	<.5	15.0
L9800E 5700N	.8	13.1	11.6	32	<1	11.1	3.7	105	1.49	5.1	.7	1.6	.4	9	1	.4	.2	31	.07	.040	18	17.6	.16	63	.015	1	.74	.006	.06	.2	.05	.6	.1	<.05	3	<.5	15.0
L9800E 5650N	.9	12.8	16.3	28	<1	7.8	3.1	117	1.40	4.7	.6	4.8	.5	7	1	.3	.3	37	.04	.031	21	13.4	.10	62	.018	1	.70	.005	.05	.1	.02	.8	.1	<.05	5	<.5	7.5
L9800E 5600N	.8	16.8	12.2	49	<1	16.4	5.9	197	2.25	6.9	.7	1.0	3.0	10	1	.5	.2	35	.11	.037	17	22.2	.33	73	.029	1	1.13	.005	.06	.2	.03	1.9	.1	<.05	3	<.5	15.0
L9800E 5550N	.6	13.0	8.7	42	<1	15.1	5.0	177	1.98	7.3	.6	1.0	1.1	10	1	.5	.1	35	.12	.041	13	21.9	.31	58	.029	1	.89	.005	.04	.2	.04	1.4	.1	<.05	3	<.5	15.0
RE L9800E 5550N	.6	13.4	9.0	46	<1	14.9	5.3	183	2.01	7.6	.6	3.2	1.4	10	1	.5	.1	33	.12	.040	13	21.6	.31	57	.025	1	.88	.005	.04	.1	.03	1.5	.1	<.05	3	<.5	15.0
L9800E 5500N	.9	23.1	15.0	66	<1	22.8	11.0	418	2.54	8.2	.8	1.1	5.5	13	1	.6	.2	38	.14	.051	23	24.7	.39	99	.039	1	1.10	.006	.07	.2	.02	2.1	.1	<.05	4	<.5	15.0
L9800E 5450N	.8	11.2	12.9	38	<1	12.0	4.8	170	2.35	8.9	.6	1.6	3.0	10	1	.6	.2	49	.10	.030	17	23.6	.29	77	.040	1	1.14	.005	.04	.2	.03	1.9	.1	<.05	5	<.5	15.0
STANDARD DS6	11.4	126.8	29.1	146	.3	25.2	10.9	719	2.92	20.9	6.6	45.2	3.2	42	6.3	3.5	4.9	58	.89	.081	15	179.3	.61	161	.093	17	1.96	.073	.16	3.5	.23	3.4	1.8	<.05	6.4	4	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Retruns and 'RRE' are Reject Retruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
L9800E 5400N	.9	13.2	15.0	41	<1	12.4	5.9	177	2.40	8.3	.5	1.1	3.3	7	.1	.5	.2	38	.06	.027	15	21.1	.24	71	.023	1	1.18	.004	.04	.2	.04	1.7	.1	<.05	4	.5	15.0
L9800E 5300N	1.0	10.9	13.8	37	<1	11.2	5.0	162	2.42	8.7	.5	1.2	3.4	5	.1	.4	.2	43	.04	.022	13	19.2	.23	70	.019	<1	1.10	.004	.04	.2	.03	1.6	.1	<.05	5	<.5	15.0
L9800E 5300N	.7	12.4	15.8	36	<1	10.5	4.8	197	2.77	9.7	.4	1.0	2.6	6	<.1	.5	.2	36	.04	.025	16	20.5	.21	50	.020	<1	.88	.003	.04	.1	.03	1.4	.1	<.05	4	<.5	15.0
L9800E 5250N	.5	4.6	9.7	18	<1	5.4	1.8	52	1.45	6.8	.4	<.5	.8	5	<.1	.3	.2	34	.04	.033	10	15.9	.14	43	.022	<1	.71	.003	.03	.1	.04	1.1	.1	<.05	4	<.5	15.0
L9800E 5200N	.7	23.3	16.9	60	<1	21.0	11.0	488	2.17	4.7	.8	1.0	7.5	8	.1	.4	.2	24	.07	.031	25	16.2	.24	72	.022	1	.83	.004	.07	.1	.03	1.6	.1	<.05	3	<.5	15.0
L9800E 5150N	.8	24.6	9.6	52	<1	19.5	8.1	270	2.09	8.4	1.0	1.9	2.3	9	.1	.6	.1	37	.10	.047	14	25.3	.36	146	.027	<1	1.26	.005	.05	.2	.04	2.7	.1	<.05	4	.5	15.0
L9800E 5100N	.8	10.4	12.7	31	<1	8.6	3.5	123	1.86	5.4	.5	<.5	1.3	6	.1	.3	.2	33	.06	.055	15	22.3	.22	73	.016	<1	1.13	.004	.05	.1	.03	1.3	.1	<.05	5	<.5	15.0
L9800E 5050N	.7	13.3	11.1	40	<1	12.5	4.4	152	2.00	6.2	.5	.8	.9	6	.1	.4	.2	33	.05	.029	15	20.2	.25	71	.018	<1	.99	.004	.06	.1	.03	1.2	.1	<.05	4	<.5	15.0
L9800E 5000N	.6	17.4	20.6	54	<1	16.8	8.9	280	2.40	4.8	.8	1.2	7.7	6	.1	.5	.2	22	.05	.029	25	17.9	.26	62	.011	1	1.01	.003	.07	.1	.03	1.5	.1	<.05	3	<.5	15.0
L9800E 4950N	.7	18.4	16.3	52	<1	17.6	8.2	321	2.10	5.5	.8	.8	5.7	7	.2	.6	.2	28	.05	.022	21	19.2	.29	80	.022	<1	.97	.004	.06	.1	.02	1.9	.1	<.05	3	<.5	15.0
L9800E 4900N	1.0	13.5	14.8	41	<1	12.6	5.2	178	2.06	7.4	.7	1.4	2.6	7	.1	.4	.3	38	.05	.036	18	21.6	.25	71	.023	<1	1.12	.004	.06	.1	.03	1.7	.1	<.05	4	<.5	15.0
L9800E 4850N	.8	20.5	18.5	58	<1	20.0	8.6	245	2.48	7.6	1.2	3.8	8.0	6	.1	.5	.3	36	.05	.027	22	23.3	.32	77	.024	1	1.31	.004	.07	.1	.02	2.2	.1	<.05	4	<.5	15.0
L9800E 4800N	.6	9.4	13.9	30	<1	8.9	3.8	117	1.56	5.4	.6	.7	4.2	5	<.1	.4	.2	27	.03	.021	23	16.0	.16	49	.013	<1	.99	.003	.05	.1	.02	1.4	.1	<.05	4	<.5	15.0
L9800E 4750N	.6	11.1	21.2	38	<1	11.0	4.3	160	1.89	6.7	.6	1.2	2.9	6	.1	.4	.2	31	.06	.039	17	20.1	.21	58	.021	1	.98	.004	.05	.1	.03	1.6	.1	<.05	4	<.5	15.0
L9800E 4700N	.8	16.3	12.9	46	<1	14.9	7.6	237	2.33	9.0	.8	2.5	4.9	7	.2	.6	.2	40	.06	.028	13	26.3	.30	81	.031	1	1.33	.005	.05	.2	.03	2.9	.1	<.05	4	.5	15.0
L9800E 4650N	.8	9.8	11.0	37	<1	11.0	4.1	114	2.17	8.4	.6	.9	1.0	8	.1	.5	.2	44	.08	.034	11	26.2	.28	87	.027	1	1.31	.004	.04	.1	.04	1.8	.1	<.05	5	.5	15.0
L9800E 4600N	1.5	10.8	11.7	39	<1	10.5	4.9	223	2.74	10.4	.5	<.5	2.9	5	.1	.6	.2	50	.04	.027	12	24.2	.23	45	.042	<1	1.11	.004	.04	.1	.03	1.7	.1	<.05	5	<.5	15.0
L9800E 4550N	.6	18.3	13.0	39	<1	13.7	5.9	169	1.69	4.4	.7	3.3	4.0	6	.1	.4	.2	25	.05	.027	24	16.2	.22	59	.016	1	.81	.004	.05	.1	.02	1.4	.1	<.05	3	<.5	15.0
RE L9800E 4550N	.7	18.2	13.5	38	<1	13.6	6.0	170	1.68	4.4	.6	1.2	3.9	7	.1	.4	.2	25	.05	.026	24	16.6	.22	60	.019	1	.82	.004	.06	.1	.01	1.6	.1	<.05	3	<.5	15.0
L9800E 4500N	.8	10.9	13.7	42	<1	12.5	4.7	142	2.07	7.6	.4	.8	2.0	8	.1	.4	.2	37	.08	.031	13	23.7	.31	64	.025	1	1.08	.005	.05	.1	.03	1.7	.1	<.05	4	<.5	15.0
L9800E 4450N	.6	13.6	12.6	38	<1	11.9	4.9	153	1.75	6.1	.5	.8	3.4	7	.1	.3	.2	30	.05	.032	18	19.8	.25	58	.021	<1	1.06	.004	.05	.1	.03	1.6	.1	<.05	4	<.5	15.0
L9800E 4400N	.7	13.7	13.5	37	<1	13.9	7.3	266	2.03	6.7	.6	.8	4.0	6	.1	.4	.2	33	.06	.031	15	21.5	.27	68	.025	1	1.18	.004	.04	.1	.04	1.9	.1	<.05	4	<.5	15.0
L9800E 4350N	.6	16.8	22.7	44	<1	15.6	7.1	260	2.32	6.1	.7	1.1	5.5	7	.1	.5	.2	29	.06	.031	20	20.7	.28	64	.021	<1	1.08	.004	.06	.1	.03	1.8	.1	<.05	3	<.5	15.0
L9800E 4300N	.6	20.9	12.7	52	<1	18.0	10.8	387	2.22	6.1	1.1	3.2	5.7	9	.1	.6	.2	29	.08	.033	24	21.8	.36	97	.025	1	1.19	.005	.06	.1	.03	2.3	.1	<.05	3	<.5	15.0
L9800E 4250N	1.3	11.6	10.3	34	<1	11.8	4.1	160	2.69	10.3	.4	4.0	4.0	5	.1	1.1	.2	46	.04	.024	17	22.3	.21	48	.038	<1	.85	.003	.05	.1	.02	1.7	.1	<.05	5	<.5	15.0
L9800E 4200N	1.0	34.6	18.5	74	.1	36.2	12.4	607	3.27	8.9	1.6	2.8	7.4	8	.2	1.6	.3	14	.04	.049	25	10.9	.15	68	.010	<1	.69	.004	.06	.1	.05	2.8	.1	<.05	1	<.5	15.0
L9800E 4150N	.6	17.7	10.6	46	<1	16.0	6.3	135	2.10	4.8	.6	1.9	5.0	8	.1	.7	.2	23	.07	.031	24	18.4	.29	61	.012	<1	1.04	.004	.04	.1	.03	1.8	.1	<.05	3	<.5	15.0
L9800E 4100N	.7	21.8	11.7	51	<1	20.9	8.3	231	2.20	7.0	.8	1.3	5.3	10	.1	1.7	.2	28	.10	.036	31	24.0	.36	94	.021	1	1.05	.005	.05	.1	.03	2.3	.1	<.05	3	<.5	15.0
L9800E 5900N	.6	7.6	8.7	23	<1	6.8	2.3	65	1.02	3.8	.5	4.5	.1	7	.1	.2	.2	23	.07	.036	12	17.4	.16	60	.011	1	.71	.005	.04	.1	.05	.4	.1	<.05	3	<.5	7.5
L9800E 5850N	.6	10.7	9.8	36	.1	10.7	3.5	112	1.36	4.3	.5	1.1	.7	10	.1	.3	.2	26	.11	.034	14	17.0	.23	70	.021	<1	.74	.005	.05	.1	.04	1.1	.1	<.05	3	<.5	15.0
L9800E 5800N	.6	11.0	15.6	33	<1	9.2	3.3	123	1.54	5.6	.6	2.4	.6	7	.1	.3	.1	26	.09	.042	11	18.4	.21	49	.015	1	.81	.004	.04	.2	.05	.9	.1	<.05	3	<.5	15.0
L9800E 5750N	.7	9.8	10.6	34	<1	9.9	3.2	94	1.43	5.8	.5	1.9	.2	7	.1	.3	.2	31	.07	.038	10	19.5	.24	66	.021	1	.85	.005	.04	.2	.04	.8	.1	<.05	3	<.5	15.0
L9800E 5700N	.7	11.9	12.0	38	<1	11.0	3.6	123	1.67	6.5	.6	.8	.3	7	.1	.3	.2	32	.07	.039	11	20.2	.24	68	.016	1	.93	.004	.04	.1	.04	.9	.1	<.05	4	<.5	15.0
L9800E 5650N	.8	16.5	16.3	51	<1	15.4	7.2	290	2.23	7.1	.7	1.3	1.1	8	.1	.4	.2	33	.08	.045	14	21.5	.25	74	.020	<1	1.07	.004	.04	.1	.03	1.5	.1	<.05	4	<.5	15.0
STANDARD D55	11.1	118.2	28.8	142	.3	23.2	10.3	681	2.75	20.9	6.3	52.8	2.9	36	6.0	3.4	4.9	54	.82	.074	13	182.9	.55	163	.080	16	1.84	.073	16	3.4	.23	3.3	1.7	<.05	6	4.3	15.0

Sample type: SOIL S580 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#

Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Sample
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm

L9900E 5600N	.7	13.6	14.9	45	<1	12.9	5.2	201	2.09	5.2	.6	.7	.9	7	.1	.4	.2	28	.05	.037	15	18.1	.20	51	.012	1	.99	.004	.04	.1	.03	1.0	.1	<.05	3	<.5	15.0
L9900E 5550N	.9	19.3	14.2	60	<1	17.0	6.6	.8	2.7	2.30	6.6	1.6	2.1	9	.1	.5	.2	34	.08	.037	16	20.5	.27	74	.022	1	1.06	.004	.05	.1	.04	1.7	.1	<.05	3	<.5	15.0
L9900E 5500N	.9	15.7	14.9	45	<1	14.1	6.3	203	2.04	5.1	.6	1.3	2.2	8	.1	.4	.2	30	.06	.031	19	16.4	.19	66	.014	<1	.88	.004	.05	.1	.03	1.2	.1	<.05	3	<.5	15.0
L9900E 5450N	1.5	21.1	15.5	46	<1	12.9	4.8	200	2.09	6.8	.7	1.1	.7	8	.1	.5	.3	42	.06	.041	26	18.0	.15	61	.014	1	.86	.005	.08	.1	.02	.8	.1	<.05	4	.5	15.0
L9900E 5400N	.9	15.3	15.5	47	<1	15.4	7.4	229	2.35	8.9	.6	1.1	2.7	8	.1	.6	.2	39	.08	.030	16	21.3	.28	80	.027	1	1.10	.005	.05	.2	.03	1.8	.1	<.05	4	.5	15.0
L9900E 5350N	.6	20.4	20.1	40	<1	14.6	8.8	288	2.06	3.7	.8	<.5	6.1	8	.1	.6	.2	22	.04	.025	39	14.2	.22	71	.009	<1	.88	.004	.07	.1	.02	1.2	.1	<.05	3	<.5	15.0
L9900E 5300N	1.3	13.0	11.8	48	<1	12.8	6.7	239	2.46	8.6	.6	.9	1.8	7	.2	.7	.2	47	.06	.026	14	25.8	.28	84	.021	<1	1.24	.004	.04	.1	.03	1.8	.1	<.05	5	.5	15.0
L9900E 5250N	.9	13.8	11.7	49	<1	14.7	6.1	208	2.39	9.3	.6	1.2	1.4	8	.1	.6	.2	45	.08	.033	13	26.8	.32	85	.024	1	1.39	.004	.05	.2	.03	1.9	.1	<.05	4	.5	15.0
L9900E 5200N	1.3	24.0	11.5	85	<1	27.1	12.7	526	2.58	9.1	.7	1.3	4.2	14	.3	.8	.2	48	.16	.046	15	28.8	.45	123	.047	1	1.38	.003	.07	.2	.02	2.8	.1	<.05	4	.5	15.0
L9900E 5150N	.7	13.3	10.3	45	<1	15.4	5.9	187	1.87	6.1	.6	3.3	3.1	9	.1	.5	.1	35	.10	.031	16	21.2	.29	67	.028	1	1.01	.005	.05	.1	.02	1.8	.1	<.05	3	<.5	15.0
L9900E 5100N	.7	12.7	13.2	39	<1	12.8	5.4	158	2.00	5.1	.5	.9	4.7	7	.1	.4	.2	31	.06	.021	20	19.6	.23	65	.015	1	1.13	.004	.06	.1	.02	1.6	.1	<.05	4	.5	15.0
L9900E 5050N	.7	17.4	13.9	51	<1	17.3	6.4	211	2.19	4.9	.7	<.5	5.7	9	.1	.6	.2	30	.07	.019	22	20.3	.30	68	.023	<1	.98	.005	.06	.1	.03	1.6	.1	<.05	3	<.5	15.0
L9900E 5000N	1.3	21.1	17.5	70	<1	21.2	8.8	379	2.96	8.3	.6	1.5	5.9	9	.2	.7	.2	40	.07	.031	22	28.1	.37	73	.022	1	1.17	.005	.07	.1	.02	2.0	.1	<.05	4	.6	15.0
L9900E 4950N	1.0	13.4	14.3	48	<1	15.5	5.6	207	3.15	11.1	.5	3.7	3.8	7	.1	.7	.2	47	.06	.024	11	24.0	.32	74	.040	1	1.02	.004	.05	.2	.03	2.0	.1	<.05	4	.5	15.0
L9900E 4900N	.8	14.0	16.8	42	<1	13.9	5.1	159	2.42	6.2	1.0	.7	8.1	6	.1	.4	.3	39	.04	.019	27	16.2	.18	57	.018	<1	1.10	.003	.06	.1	.02	1.6	.1	<.05	4	.5	15.0
L9900E 4850N	.7	23.2	14.7	45	<1	16.0	7.8	316	2.09	4.1	.8	10.6	7.4	6	<1	.4	.2	21	.04	.018	30	13.6	.21	101	.012	<1	.74	.003	.06	.1	.02	1.6	.1	<.05	2	<.5	15.0
L9900E 4800N	1.2	18.5	16.3	61	<1	20.3	10.7	462	2.80	9.7	.7	6.1	1.6	8	.1	.7	.2	44	.07	.055	15	24.3	.27	104	.016	1	1.36	.005	.06	.1	.04	1.7	.1	<.05	4	.5	15.0
L9900E 4750N	.9	7.3	13.5	42	<1	11.5	5.2	184	3.64	10.7	.6	.9	4.2	8	.1	.9	.2	62	.08	.023	12	32.7	.37	82	.042	<1	1.65	.005	.04	.2	.04	2.7	.1	<.05	6	.6	15.0
L9900E 4700N	.7	20.5	26.6	51	<1	21.7	9.1	396	2.39	5.2	.7	11.9	7.2	7	.2	1.1	.2	25	.05	.021	25	17.0	.20	82	.011	<1	.91	.004	.07	.1	.03	1.6	.1	<.05	3	<.5	15.0
RE L9900E 5150N	.7	13.5	9.8	44	<1	15.9	5.8	186	1.83	5.9	.6	1.2	2.9	8	.1	.5	.1	32	.09	.030	15	20.0	.27	66	.025	1	.99	.004	.05	.1	.03	1.7	.1	<.05	3	<.5	15.0
L9900E 4650N	1.0	16.2	14.6	59	<1	19.2	8.7	360	2.62	9.4	.7	1.7	2.7	8	.1	1.0	.2	39	.07	.044	13	22.8	.27	95	.017	1	1.26	.005	.06	.1	.03	1.9	.1	<.05	4	.5	15.0
L9900E 4600N	.5	7.6	8.2	30	<1	8.9	3.1	95	1.83	8.0	.4	4.4	1.1	7	<1	.4	.1	35	.07	.023	10	20.4	.25	50	.021	<1	.96	.004	.03	.1	.02	1.4	.1	<.05	4	.5	15.0
L9900E 4550N	1.0	17.6	15.0	51	<1	15.7	10.3	564	2.74	9.1	.7	1.7	3.8	9	.1	2.5	.2	36	.07	.040	18	24.1	.28	64	.023	1	1.27	.005	.06	.2	.04	1.9	.1	<.05	4	.7	15.0
L9900E 4500N	.8	20.2	14.3	50	<1	17.5	10.0	433	2.27	6.6	.7	2.2	1.0	8	.1	.5	.2	32	.07	.040	23	21.5	.29	64	.013	<1	1.18	.004	.07	.1	.03	1.0	.1	<.05	4	.5	15.0
L9900E 4450N	.8	14.5	10.9	43	.1	17.5	7.2	239	2.24	7.5	.6	.9	3.9	8	<1	.5	.2	36	.08	.022	15	23.5	.33	111	.021	<1	1.34	.004	.04	.1	.02	2.1	.1	<.05	4	.5	15.0
L9900E 4400N	1.0	9.2	10.7	44	<1	14.5	6.5	213	2.39	9.2	.5	.8	3.6	8	.1	.5	.2	42	.07	.022	12	25.4	.32	96	.030	1	1.46	.005	.04	.1	.03	2.5	.1	<.05	4	.6	15.0
L9900E 4350N	.5	6.5	8.3	29	<1	8.5	3.1	84	1.82	6.8	.5	2.2	.7	9	<1	.3	.1	35	.09	.037	11	21.5	.25	66	.020	<1	1.10	.004	.03	.1	.03	1.3	.1	<.05	4	.5	15.0
L9900E 4300N	.9	11.9	9.2	27	<1	11.3	4.2	272	1.54	4.6	.5	1.6	.5	8	.1	.6	.2	31	.06	.033	15	18.3	.14	80	.016	1	.84	.004	.04	.1	.03	1.1	.1	<.05	4	.5	15.0
L9900E 4250N	.6	11.1	13.3	24	<1	7.8	2.9	63	1.83	4.7	.8	1.4	.6	8	.1	.2	.2	29	.05	.054	23	22.5	.19	67	.009	1	1.16	.004	.03	.1	.04	.9	.1	<.05	4	.5	15.0
L9900E 4200N	.5	16.6	11.3	39	<1	14.3	6.2	151	1.95	4.1	.5	1.5	5.6	7	.1	1.0	.2	19	.04	.019	32	14.1	.21	57	.006	<1	.76	.004	.03	.1	.02	1.4	<.1	<.05	2	<.5	15.0
L9900E 4150N	.5	8.2	8.9	23	<1	14.0	3.1	72	1.27	5.1	.5	1.0	.4	8	<1	.6	.2	27	.05	.025	27	29.1	.29	66	.008	<1	.90	.004	.04	.1	.02	.8	.1	<.05	4	.5	15.0
L9900E 4100N	1.1	36.2	27.0	20	.1	14.6	3.4	56	2.03	5.6	1.0	1.6	.3	8	.1	.4	.2	32	.04	.076	12	35.1	.18	107	.004	<1	1.06	.009	.03	.1	.04	.6	.1	<.05	4	.6	7.5
L10000E 5900N	.6	16.9	10.4	56	<1	17.0	5.8	251	1.87	6.8	.7	1.1	2.3	11	.1	.4	.2	29	.14	.055	16	19.2	.30	80	.024	1	.86	.005	.04	.2	.02	1.7	.1	<.05	3	<.5	15.0
L10000E 5850N	.8	19.6	15.8	57	.1	15.9	7.2	269	2.19	6.8	.9	1.0	2.5	11	.1	.5	.2	30	.10	.052	20	18.5	.26	72	.023	1	.87	.005	.06	.2	.03	1.5	.1	<.05	3	<.5	15.0
STANDARD D56	11.4	121.0	23.4	145	.3	23.7	10.4	683	2.83	20.9	6.4	44.7	3.0	38	6.2	3.6	4.9	55	.82	.073	14	174.5	.56	163	.074	19	1.82	.072	.16	3.6	.22	3.4	1.7	<.05	6	4.5	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Retruns and 'RRE' are Reject Retruns.



Aurora Geosciences Ltd. PROJECT Blue Bell FILE # A504435

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	AS	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Sample
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm
L10000E 5800N	8	13.7	11.3	48	1	11.6	5.2	216	1.91	7.2	7	8.7	6	7	1	4	2	35	07	051	14	19.9	24	56	017	1	90	005	04	2	03	8	1	<05	3	<5	15
L10000E 5750N	6	17.5	14.2	54	<1	15.6	7.3	324	1.84	5.1	9	20	2.7	8	2	4	2	27	09	044	23	16.8	23	62	020	1	82	006	05	1	02	1.2	1	<05	3	<5	15
RE L10000E 5750N	6	17.6	14.4	54	<1	15.5	7.2	326	1.84	5.2	9	8	2.6	7	2	4	2	27	09	044	22	16.5	22	63	019	1	81	004	05	2	03	1.3	1	<05	3	<5	15
L10000E 5700N	9	14.3	12.6	42	1	11.2	4.7	199	1.70	6.5	8	4.4	1	7	1	4	2	33	06	052	13	20.0	20	63	012	1	81	005	06	1	04	6	1	<05	3	<5	15
L10000E 5650N	7	13.2	9.4	44	<1	12.1	5.1	185	1.91	7.2	7	1.6	5	7	1	4	1	35	10	054	12	20.2	27	57	018	1	95	004	04	2	03	8	1	<05	3	<5	15
L10000E 5600N	8	15.8	15.1	39	1	9.5	3.8	102	1.88	5.7	8	2.3	4	7	1	4	2	33	09	063	18	20.8	23	68	011	1	108	004	05	2	04	7	1	<05	4	<5	15
L10000E 5550N	6	22.4	11.0	54	<1	17.1	6.7	225	2.06	5.6	8	3.5	4.3	9	1	4	2	28	10	042	23	17.8	27	104	024	1	87	005	05	1	04	1.9	1	<05	3	<5	15
L10000E 5500N	1.0	18.1	14.8	52	<1	14.9	5.6	187	2.39	7.7	7	1.3	1.4	7	1	5	2	38	08	043	17	21.6	27	70	017	1	119	004	05	1	03	1.3	1	<05	4	<5	15
L10000E 5450N	7	19.3	16.8	50	<1	13.4	7.5	234	2.18	5.1	7	1.6	3.3	7	1	6	3	27	07	039	30	17.8	24	93	012	1	110	004	07	1	03	1.5	1	<05	3	<5	15
L10000E 5400N	6	16.0	18.1	41	<1	11.2	4.3	121	2.36	5.6	7	1.0	3.2	10	1	6	3	29	05	029	22	20.0	21	56	011	1	108	004	05	1	04	1.3	1	<05	3	<5	15
L10000E 5350N	8	20.6	17.8	46	<1	16.4	6.2	170	2.50	5.4	8	2.1	7.0	7	1	4	2	26	06	028	30	17.7	22	64	013	<1	102	004	06	1	02	1.4	1	<05	3	<5	15
L10000E 5300N	8	11.3	19.6	38	<1	11.5	4.3	152	3.71	12.4	6	<5	3.5	7	1	6	2	72	06	023	16	26.9	27	62	032	1	130	004	04	1	04	1.8	1	<05	6	7	15
L10000E 5250N	1.1	17.9	11.9	59	<1	17.4	9.4	386	2.97	10.5	6	1.0	3.3	7	2	6	2	45	07	029	13	29.7	37	78	029	1	149	005	05	2	04	2.2	1	<05	4	6	15
L10000E 5200N	1.0	13.5	10.7	47	<1	14.0	6.4	277	2.59	10.4	5	3.1	2.1	7	1	7	2	46	07	026	12	23.9	32	50	039	1	94	005	04	1	02	1.6	1	<05	4	<5	15
L10000E 5150N	1.1	13.2	15.2	40	<1	10.6	4.2	151	2.23	7.7	6	15.5	5.0	7	1	5	3	47	06	023	19	20.6	22	81	026	1	117	004	06	1	01	1.9	1	<05	5	<5	15
L10000E 5100N	1.0	13.3	14.7	45	<1	12.6	5.4	175	2.61	8.6	8	1.5	4.9	7	1	5	2	46	06	030	17	27.3	31	96	021	1	140	005	06	2	03	2.2	1	<05	5	<5	15
L10000E 5050N	8	17.1	12.6	55	<1	18.1	9.9	343	2.77	9.3	7	6	4.1	8	1	6	1	40	08	036	15	27.6	37	93	024	1	146	005	06	2	03	2.1	1	<05	4	<5	15
L10000E 5000N	1.0	24.0	12.2	60	<1	19.6	10.1	419	2.64	10.5	8	1.3	5.2	9	1	6	2	40	09	038	14	28.1	41	106	031	1	144	006	07	1	05	2.5	1	<05	4	<5	15
L10000E 4950N	6	20.8	18.5	60	<1	19.0	12.2	542	2.45	4.2	1.3	1.0	10.8	7	1	4	2	19	05	029	35	13.2	22	61	012	<1	87	003	09	1	01	1.3	1	<05	2	<5	15
L10000E 4900N	7	10.1	31.6	39	<1	10.9	4.0	118	1.88	5.7	6	5.1	1.8	8	1	4	2	34	09	035	15	21.0	28	63	020	1	113	005	05	1	04	1.3	1	<05	4	<5	15
L10000E 4850N	7	23.3	13.8	64	<1	24.2	9.7	345	2.02	5.9	1.0	1.9	7.3	12	1	5	2	29	14	043	26	19.2	36	120	034	<1	89	005	07	1	02	1.9	1	<05	3	<5	15
L10000E 4800N	9	18.7	18.2	55	<1	17.7	8.9	360	2.85	8.9	1.0	1.5	7.2	8	1	6	3	40	07	033	22	26.9	31	77	022	1	141	005	08	1	05	1.9	1	<05	4	<5	15
L10000E 4750N	8	11.6	17.1	33	<1	11.2	5.4	213	2.10	6.2	6	<5	4.1	7	1	6	2	37	05	025	21	18.6	17	66	023	<1	99	005	06	1	02	1.4	1	<05	4	<5	15
L10000E 4700N	9	21.1	13.5	51	<1	16.3	6.5	198	2.46	7.1	8	1.9	5.3	9	1	7	2	36	10	043	18	24.1	32	97	026	1	132	005	06	1	05	2.1	1	<05	3	5	15
L10000E 4650N	1.2	10.6	13.1	36	1	10.0	4.6	181	2.79	10.3	4	<5	3.0	8	1	5	2	65	08	027	13	23.9	23	98	028	<1	138	005	03	2	02	1.6	1	<05	6	<5	15
L10000E 4600N	1.2	10.5	13.3	42	1	14.0	6.8	232	2.92	10.9	5	2.4	4.1	8	2	7	2	55	07	026	13	26.8	29	95	030	1	163	005	04	1	02	2.2	1	<05	5	5	15
L10000E 4550N	5	25.6	15.2	48	<1	18.8	7.7	257	2.25	4.1	9	<5	8.3	9	1	3	2	25	04	022	40	16.9	28	75	014	1	103	004	08	1	02	1.6	1	<05	3	<5	15
L10000E 4500N	8	18.1	17.8	38	<1	12.7	5.3	143	2.14	4.4	7	<5	4.5	8	<1	3	3	25	03	027	37	12.8	15	63	009	<1	100	003	08	1	02	1.0	1	<05	3	<5	15
L10000E 4450N	8	22.0	16.2	51	<1	16.3	6.8	147	2.75	5.6	8	5	8.3	8	<1	5	3	30	03	022	32	17.4	21	57	011	<1	109	004	06	1	02	1.4	1	<05	4	<5	15
L10000E 4400N	8	20.3	20.6	49	<1	17.1	8.8	369	2.41	4.8	6	6	8.1	7	1	7	3	24	04	026	33	15.4	19	74	007	1	103	003	08	1	01	1.4	1	<05	3	<5	15
L10000E 4350N	1.0	14.8	12.3	46	<1	16.1	6.9	200	2.51	10.0	8	6	4.7	9	1	6	2	47	08	034	14	31.0	39	120	034	1	167	006	05	2	06	2.8	1	<05	5	6	15
L10000E 4300N	1.0	16.0	16.3	34	<1	10.0	4.3	109	2.62	4.0	6	<5	12.2	6	<1	6	3	30	03	023	52	13.3	14	67	006	<1	118	003	09	1	02	1.3	1	<05	4	<5	15
L10000E 4250N	8	24.5	14.2	52	<1	19.9	9.3	354	2.27	5.0	1.0	6	8.5	9	1	8	2	28	07	019	35	19.6	32	109	018	1	108	005	06	1	03	2.0	1	<05	3	<5	15
L10000E 4200N	1.0	20.4	11.7	49	<1	15.9	7.0	233	2.32	8.0	1.0	8	3.3	8	1	5	2	37	09	041	21	26.9	35	84	022	1	135	006	04	1	04	2.1	1	<05	4	<5	15
STANDARD DS6	11.3	126.5	23.0	148	3	24.8	10.7	686	2.85	20.6	6.4	50.5	3.1	34	5.8	3.5	4.8	55	80	075	13	178.0	55	159	074	16	185	069	16	3.5	22	3.0	17	<05	6	4.2	15

Sample type: SOIL SS60'60C. Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

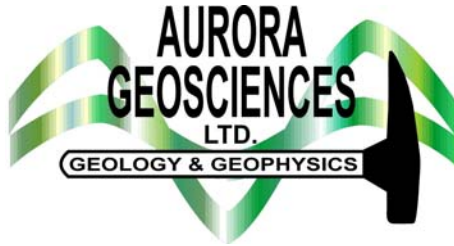


SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	La ppm	Cr ppm	Mg ppm	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
L10000E 4150N	.6	16.4	11.0	40	<1.1	11.6	4.3	110	1.94	4.2	.7	2.6	1.4	9	.1	.3	.2	28	.07	.036	32	20.1	.29	60	.010	1	.99	.004	.04	.1	.02	1.2	.1	<.05	3	<.5	15
L10000E 4100N	.7	22.0	11.5	53	<1.1	22.0	7.3	194	2.19	7.5	.9	2.5	2.4	11	.1	1.1	.2	36	.10	.047	29	30.9	.41	88	.017	<1.1	.115	.005	.05	.1	.02	1.8	.1	<.05	3	.6	15
STANDARD DS6	12.1	124.8	30.5	148	.3	24.2	10.7	700	2.87	21.9	6.8	48.1	3.1	40	6.2	3.5	5.1	55	.83	.077	14	180.8	.59	165	.074	19	1.87	.073	.16	3.5	.22	3.4	1.8	<.05	6	4.7	15

Sample type: SOIL SS80 60C.

APPENDIX III

CREW LOG



ELECTRUM MINING LIMITED

BLUE-BELL CLAIMS

Gridding/magnetics/soil sampling

EML – 05 – 001 – YT

Crew:

Michael Schultz (crew chief)

Andrea Langerud (technician)

Amanda Mitander (technician)

Steve Berg (technician)

July 13, 2005

Crew mobilizes to Clear Creek area arriving at ~6:00pm and set-up camp.

July 14-15, 2005

Work on other projects in area

July 16, 2005

Crew moves on to Blue-Bell program

Skies threatened rain and we made out like bandits with a mere half hour rain. Found best access to NE side of Bluebell claims. An unmarked road goes down the E side of the claim block. Located claim posts to start baseline. Post are approximately ~150m south of map location. Claim line not as E-W as one would like, so we shot our own baseline originating at the claim posts (BL 10000E).

MS and SB ran the baseline to 8000E using straight chain. AL and AM put in wing lines and completed 3 lines (10000E, 9900E and 9800E).

Production: 2 km baseline
5.4 km gridded

July 17, 2005

Patchy cloud as usual. Storms can be heard but we got lucky today. Al and AM continued to put in grid and completed 3 lines (9700E, 9600E, ½ of 9500E and ½ of 9400E). MS and SB soil sampled. SB “repaired” a portion of bad line. 2 and ½ lines were completed (10000E, 9900E and ½ of 9800E).

Production: 5.4 km gridded
4.5 km soil sampled

July 18, 2005

Grid size, terrain and bush will certainly not allow for this grid to be completed in the allotted man-days. Decide to run the grid at 200m spacing. Mostly sunny today.

MS met with Harry Noyes and Odin Christensen (consultant) of Select Resources at the Clear Creek turnoff and toured the clients through the Clear Creek area. The day was successful and a similar program of gridding, sampling and mag was designed with “this bush” in mind.

AL and AM continued to put in grid on Blue-Bell and completed 3 lines (½ 9500E, ½ 9400E, ½ 9200E and ½ 9000E). SB continued soil sampling and completed 1.5 lines (½ 9800E and 9600E).

July 19, 2005

Patchy cloud with close thunder, but no rain. Access and work in the Blue-Bell block is becoming more difficult. The baseline runs downhill from the access point and the lines further W are becoming steeper and bushier.

AL went back to the Evan-Ryan and completed the mag. AM continued to put in grid and completed 1 line (½ 9200E and ½ 9000E). MS and SB continued soil sampling and completed 2 lines (9400E and 9200E).

Production: 6.0 km mag
1.8 km gridded
3.6 km soil sampled

July 20, 2005

Patchy cloud and windy. AL began mag on Bluebell grid. Completed 3 of the easier lines (10000E, 9800E and 9600E). Bluebell grid base mag location – 387284E 7079173N. AM continued to put in grid and completed 1 line (8800E). SB continued soil sampling and completed 1 line (9000E). MS went to put replacement posts on the HP claims for Xennex. AM lost a radio on the line. Will look for it tomorrow.

Production: 5.4 km mag
1.8 km gridded
1.8 km soil sampled

July 21, 2005

Frost overnight, but hot and sunny during the day. Entire crew to work last day on Bluebell grid. AM went on the mag and completed 3 ½ lines (9400E, 9200E, 9000E, 8800E). SB and MS soil sampled and completed 2 lines (8800E and 8600E). AL gridded and completed 1 line (8600E).

Access to the Westerly lines is a long haul. Given the steepness of the terrain the amount of soil sampling being completed in a day is a definite maximum. No sign of the radio on the line, two people walked the line today.

Production: 6.3 km mag
1.8 km gridded
3.6km soil sampled

APPENDIX IV

MINFILE OCCURENCES

MINFILE NUMBER: **115P 011**

NAME (S): JOSEPHINE

STATUS: SHOWING

NTS MAP (1:250000): MCQUESTEN

NTS MAP (1:50000): 115P14

LATITUDE: 63° 52' 29' N

LONGITUDE: 137° 0' 43' W

LOCATION ACCURACY: 1 Kilometres

CLAIMS: RYE

ROLL

START:

START:

END:

END:

MINING DISTRICTS: DAWSON

UTM ZONE:

8

NORTHING:

7084612

EASTING:

401163

COMMENT:

MINERALS:

SIGNIFICANT:

COMMENTS: In Quartz veins.

ASSOCIATED: QUARTZ

K-FELDSPAR

SCHEELITE

COMMENT: Auriferous Quartz veins.

ALTERATION:

COMMENT:

ALTERATION TYPE:

DEPOSIT:

TYPE: PORPHYRY

AGE OF MINERALIZATION : (Era) :

(Period) :

Start :

End :

Isotopic Age :

Material :

COMMODITY:

Major:

Minor:

Trace:

GOLD

TUNGSTEN

TECTONIC ELEMENT: SELWYN BASIN

METAMORPHISM:

Type(s):

Grade(s):

REGIONAL

HORNFELS

GREENSCHIST

Comment: Hornfels adjacent to granitic stock.

OWNER/OPERATOR:

YEAR OWNER/OPERATOR

COMMENT

1902 SPISAK, M.

Staked left limit of Josephine.

1912 UNCERTAIN

Staked Verlene and Lunden claims.

1913 UNCERTAIN

Staked Verlene and Lunden claims.

1914 UNCERTAIN

Staked Verlene and Lunden claims.

1962 GERGICH, T.

Restaked as due claims.

1980 CANADA TUNGSTEN MINING CORPORATION
LIMITED

Restaked as CC claims.

1988	GOLDRITE MINING CORPORATION	Restaked as Rye & Roll claims.
1991	NORANDA EXPLORATION COMPANY LIMITED	Acquired option.
1992	IVANHOE MINES LIMITED	Acquired option.
1994	FIRST DYNASTY MINES LIMITED	FIRST DYNASTY ACQUIRES IVANHOE GOLDFIELDS LTD..
1995	KENNECOTT CANADA INCORPORATED	OPTIONS CLEAR CREEK PROPERTIES. DROPS OPTION AT END OF YEAR.
1996	NEW MILLENNIUM MINING LIMITED	NEW MILLENNIUM, AN WHOLLY OWNED SUBSIDIARY, BECOMES OPERATOR.

WORK HISTORY:

YEAR RANGE: 1902 TO 1903

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
UNDERGROUND DEVELOPMENT	0	0	
STAKING	0	0	

COMMENT: 3 adits 15', 65', and 68' long.

YEAR RANGE: 1962 TO 1962

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	

COMMENT:

YEAR RANGE: 1980 TO 1980

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	

COMMENT:

YEAR RANGE: 1981 TO 1981

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOCHEMICAL SAMPLING	0	0	
GEOLOGICAL MAPPING	0	0	

COMMENT:

YEAR RANGE: 1991 TO 1992

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOLOGICAL MAPPING	0	0	
TRENCHING	0	0	
GEOPHYSICAL SURVEY	0	0	
SOIL SAMPLING	0	0	
ROTARY DRILLING	6	644	METRES

COMMENT:

YEAR RANGE: 1995 TO 1995

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
REVERSE CIRCULATION	27	1970	METRES

COMMENT: ALSO LIMITED PROSPECTING AND RECON SAMPLING.

YEAR RANGE: 1997 TO 1997

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
TRENCHING			

COMMENT: THREE TRENCHES ON BARNEY RIDGE AND ONE TRENCH ON THE SADDLE ZONE. ALSO FIVE 300 M SAMPLE LINES ON NORTHWEST CONTACT.

EXPLORATION RESULTS:**Geochemical (Strong):**

Commodity Sample Type

Geochemical (Weak):

Commodity Sample Type

Geophysical:**Visual:****RESERVES:****HOST ROCK:**

DOMINANT HOST ROCK: METASEDIMENTARY

AGE (Era)

(Period)

HOST ROCK GROUP: HYLAND

Start: PROTEROZOIC

FORMATION:

End: PALEOZOIC

CAMBRIAN

DATING METHOD:

INFORMAL ROCK UNIT:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: QUARTZITE
SCHIST

COMMENT:

DOMINANT HOST ROCK: PLUTONIC

AGE (Era)

(Period)

HOST ROCK GROUP: UNSPECIFIED

Start: MESOZOIC

CRETACEOUS

FORMATION:

End: MESOZOIC

CRETACEOUS

DATING METHOD:

INFORMAL ROCK UNIT:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: PORPHYRITIC GRANITE

COMMENT:

CAPSULE WORK HISTORY

M. Spisak staked the Porcupine, Gold Belt, Whistler, etc cl (6164) in Sep/02 on the left limit of Josephine Creek, 10 km above the mouth and drove three adits (4.6 m, 19.8 m and 20.7 m) in 1902-03. The Verlone and Lunden cl (12244) were staked immediately south in Jul/12 and Apr/14.

Restaked as Due cl (79087) in Jul/62 by T. Gergich. Restaked as part of a large block of CC cl (YA53321) in Sep/80 by Canada Tungsten Mg Corp L, and optioned to Bema Industries Ltd which performed mapping and geochem sampling in 1981-82.

Restaked as Rye cl (YB5624) in Jun/87 by K. McCrory and R. Robertson and optioned to Goldrite Mg Corp the same year. Golden Rum Res L tied on Roli cl (YB17773) to the east in Sep/88 and transferred them to Goldrite Mg in Jun/89. Goldrite performed mapping, geochemical sampling and limited magnetic and IP surveys before relinquishing its option.

Noranda Exploration Co. Ltd optioned the property in Feb/91 and performed prospecting, soil sampling, magnetic and IP surveys and trenching, and added 34 Dum cl (YB40487) to the west side in Jan/92. Lodestar Explorations Inc funded Noranda's exploration in 1992 to earn a 50% interest. This consisted of a trenching program and 6 RC drillholes (644 m).

Noranda relinquished its option and Ivanhoe Goldfields Ltd optioned all of the Clear Creek claims in late 1992. In Aug/94, First Dynasty Mines Ltd acquired Ivanhoe. In Jun/95 Kennecott Canada Inc optioned the Clear Creek area claims (including the Rye and CC claims) and explored between June and Sept/95 with reverse circulation drilling program on the Rhosgobel stock and soil sampling, geological mapping, trenching and road building throughout the claim block. In Nov/95 Kennecott dropped its option. New Millennium Mining Ltd, an wholly owned subsidiary of First Dynasty, became operator in 1996.

New Millennium did a limited program of trenching on the Barney Ridge (three trenches) and Saddle zones (one trench) in the fall of 1997. Five 1000 meter soil lines were completed near the northeastern boundary of the property.

CAPSULE GEOLOGY

Gold occurs with arsenopyrite along a 300 x 2 700 m shear zone which cuts medium to coarse grained porphyritic granite of mid Cretaceous age, and hornfelsed quartzite and argillite of the Late Proterozoic-Early Cambrian Hyland Group. The Josephine stock is the most northerly of three adjacent intrusions: the Goldrite claims also cover the Pukelman stock (Minfile 115P 013) and part of the Rhosgobel stock (Minfile 115 P 12). The original Josephine showing consists of two quartz-arsenopyrite-pyrrhotite veins in hornfels near the intrusive contact. Bema obtained values up to 5.14 g/t Au from these veins, and up to 7.63 g/t Au and 0.61% WO₃ from a stockwork of quartz-Ksparscheelite veinlets.

Soil sampling for Goldrite in 1988 outlined large areas of anomalous gold (>100 ppb Au, frequently >500 ppb) in talus fines. The Contact zone anomaly to the south measures 1 800 m by 1 600 m. The Saddle Zone anomaly to the north measures 2 700 by 300 m. Goldrite found several quartz-sulphide veins containing galena, pyrite, pyrrhotite and stibnite associated with lamprophyre and quartz-porphry dykes along a fault gully. The veins contained up to 3 719 ppb Au. Disseminated pyrrhotite and pyrite were found in the metasedimentary rocks.

Noranda mapped several phases in the Josephine stock including diorite, megacrystic feldspar-biotite porphyry and a bluish, fine

grained margin. In the Saddle Zone area both the stock and metasedimentary rocks contain disseminated arsenopyrite. Grab samples returned average values of 3 to 3.5 g/t Au, and a 1991 trench returned anomalous gold values across 160 m, including 2.11 g/t Au across 24 m which contained a high grade section grading 6.05 g/t across 5 m, suggesting potential for bulk tonnage, low-grade gold deposit.

In the Eiger zone, located 1 km northeast of the Saddle Zone, quartz-arsenopyrite veins follow parallel shears in diorite. The shears strike 100° and dip steeply south. Assays of these veins returned values as high as 343.5 g/t Au, and a chip sample assayed 4.7 g/t Au across 5 m.

Geochemical results show that the entire property is permeated with arsenic, but that there is a strong correlation between gold and bismuth in the Josephine (Saddle Zone) area. A parallel east-west zone of strongly anomalous gold in soil (Contact Zone) cuts across the adjacent Pukelman intrusion, but lacks bismuth. A third parallel zone of anomalous gold bisects the Rhosgobel intrusion, and in this case the gold appears to correlate with tungsten.

Emond and Lynch (1992) noted a strong positive correlation between gold and bismuth, and suggested that bismuth can be used as a pathfinder for gold in this area. A quartz-arsenopyrite vein assayed by Murphy et al. in 1993 showed a correlation between gold, tungsten and bismuth, with values of 5040 ppb Au, 8.1% As, 392 ppm Bi and 0.1% W.

Kennecott carried out geological mapping around the Eiger stock. A float sample of rusty quartz monzonite dyke containing minor quartz veining collected between the Eiger and Saddle stocks returned 355 ppb Au. The bulk of exploration work carried out in 1995 was carried out on other minfile occurrences located within the Clear Creek claims.

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RUN DATE: 10/21/2004 10:53:16 AM

YUKON MINFILE
MASTER REPORT
YUKON GEOLOGY PROGRAM
WHITEHORSE

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YUKON EXPLORATION & GEOLOGY 1995, p. 13-14, 16, 18.

MINFILE NUMBER: **115P.012**

NAME (S): RHOSGOBEL

STATUS: SHOWING

NTS MAP (1:250000): MCQUESTEN

NTS MAP (1:50000): 115PY14

LATITUDE: 63° 50' 23' N

LONGITUDE: 137° 3' 22' W

LOCATION ACCURACY: .5 Kilometres

MINING DISTRICTS: DAWSON

UTM ZONE: 8

NORTHING: 7080783

EASTING: 398868

CLAIMS: RAIN

START: END:

BEE

START: END:

JUB JUB

START: END:

CC

START: END:

RUM

START: END:

RYE

START: END:

DUM

START: END:

FAR

START: END:

TP

START: END:

JD

START: END:

COMMENT:

MINERALS:

SIGNIFICANT: SCHEELITE

COMMENTS: Scheelite found with auriferous arsenopyrite.

ASSOCIATED: DIOPSIDE

QUARTZ

CASSITERITE

COMMENT: Diopside skarn. Mineralized quartz veins.

ALTERATION:

COMMENT:

ALTERATION TYPE:

DEPOSIT:

TYPE: PORPHYRY

AGE OF MINERALIZATION : (Era) : (Period) :

Start :

End :

Isotopic Age :

Material :

COMMODITY:

Major:

GOLD

Minor:

SILVER

Trace:

BISMUTH

TECTONIC ELEMENT: MCQUESTEN PLUTONIC SUITE

METAMORPHISM:

Type(s):

REGIONAL

Grade(s):

HORNFELS

GREENSCHIST

Comment: Hornfelsed adjacent to granite stock.

OWNER/OPERATOR:

<u>YEAR</u>	<u>OWNER/OPERATOR</u>	<u>COMMENT</u>
1971	UNITED KENO HILL MINES LIMITED	Tied on claims in south.
1971	STANDARD OIL COMPANY OF B.C. LIMITED	Staked as Rhosgobel claims.
1971	SILVER STANDARD MINES LIMITED	Tied onto southeast and northwest.
1971	CANADA TUNGSTEN MINING CORPORATION LIMITED	Staked as Rhosgobel claims.
1978	THOM, A.	Restaked on south side - Rain claim.
1978	HUTTON, D.	Restaked on north side - Bee claim.
1979	CORTIN PROJECT	Added Jubjub claims to east.
1980	CANADA TUNGSTEN MINING CORPORATION LIMITED	Optioned Rain & Bee claims.
1984	HARPER, N.	Rain group was transferred.
1988	ROBERTSON, R.	Staked Rum claims.
1988	GOLDRITE MINING CORPORATION	Optioned Rum cls, staked Rye & Roll cls.
1993	IVANHOE MINES LIMITED	Obtained some Run, Rye Dum cls.
1993	WONDGA, B. AND LUECK, B.	Staked Far claims together.
1994	FIRST DYNASTY MINES LIMITED	IVANHOE TAKEN OVER BY FIRST DYNASTY.
1994	HART, L.	Restaked TP and JD claims.
1994	LUECK, B.	Staked TP & JD claims.
1994	TRUDEAU, D. AND JACKSON, D.	Staked Hail claims SW of showing.
1995	KENNECOTT CANADA INCORPORATED	OPTIONS CLEAR CREEK PROPERTIES FROM FIRST DYNASTY THEN DROPS OPTION IN NOVEMBER.
1996	NEW MILLENNIUM MINING LIMITED	AN WHOLLY OWNED SIBSDIARY OF FIRST DYNASTY BECOMES OPERATOR.

WORK HISTORY:

YEAR RANGE: 1971 TO 1971

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOLOGICAL MAPPING	0	0	
SOIL SAMPLING	0	0	
STAKING	0	0	

COMMENT:

YEAR RANGE: 1979 TO 1980

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOCHEMICAL SAMPLING	0	0	

COMMENT:

YEAR RANGE: 1981 TO 1982

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOCHEMICAL SAMPLING	0	0	
GEOLOGICAL MAPPING	0	0	

COMMENT:

YEAR RANGE: 1993 TO 1993

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
SOIL SAMPLING	0	0	

COMMENT: Ivanhoe carried out work on two zones of Rhosgobel intrusive stock.

YEAR RANGE: 1994 TO 1994

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
ROAD CONSTRUCTION	0	0	

COMMENT: Ivanhoe also constructed drill pads.

YEAR RANGE: 1995 TO 1995

WORK TYPE

#DRILL HOLES

AMOUNT

UNIT

REVERSE CIRCULATION

27

1970.5

METRES

COMMENT: ALSO ROAD CONSTRUCTION AND LIMITED SOIL SAMPLING

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity Sample Type
GOLD SOIL SAMPLE

Geochemical (Weak):

Commodity Sample Type

Geophysical:

Visual:

RESERVES:

HOST ROCK:

DOMINANT HOST ROCK: METASEDIMENTARY

HOST ROCK GROUP: HYLAND

FORMATION:

AGE (Era)

(Period)

Start: PROTEROZOIC

End: PALEOZOIC

CAMBRIAN

DATING METHOD:

ISOTOPIC AGE:

MATERIAL DATED:

INFORMAL ROCK UNIT:

LITHOLOGIES: SCHIST
QUARTZITE

COMMENT:

DOMINANT HOST ROCK: PLUTONIC

HOST ROCK GROUP:

FORMATION:

AGE (Era)

(Period)

Start: MESOZOIC

CRETACEOUS

End: MESOZOIC

CRETACEOUS

DATING METHOD:

ISOTOPIC AGE:

MATERIAL DATED:

INFORMAL ROCK UNIT: RHOSGOBEL STOCK

LITHOLOGIES: PORPHYRITIC GRANITE

COMMENT:

CAPSULE WORK HISTORY

Staked as Rhosgobel cl (Y65051) in Jul/71 by a joint venture between Cantung and Standard O C of BC L, which explored by grid geochem and mapping. The Nop cl (Y57673) were tied on to the south in Mar/71 by United Keno Hill ML following release of GSC Open File 51 and were explored with geochem sampling and mapping later in the year. Three groups of WR cl (Y65062) were staked in Aug/71 adjoining to the southeast and northwest by Silver Standard ML.

Restaked as Rain cl (YA31503) in Aug/78 by A. Thom on the south side and Bee cl (YA31794) in Sep/78 by D. Hutton on the north side. The Jub Jub cl (YA31930) were added on the east in Mar/79 by the Cortin Project (CCH Res L, Inco & Billiton E Can L), which explored with geochem surveys in 1979 and 1980.

Cantung surrounded the target with a large block of CC cl (YA53506) in Sep/80, optioned the Rain and Bee groups, and performed mapping and sampling in 1981 and 1982 before dropping the option. The Rain group was transferred in Jul/84 to N. Harper who trenched in 1984-88.

R. Robertson tied on the Rum claims (YA88956) in September, 1988 and optioned them to M.E. Compu Software Inc., which changed its name to Goldrite Mining Corp. Goldrite tied on the Rye, (YB05624) and Roll (YB17773) claims to the north and east in Sep/88.

In late 1992 Ivanhoe Goldfields Ltd optioned all of the Clear Creek claims including the Rum, Rye and Dum claims, from their various owners. Ivanhoe performed a soil geochemical survey in two zones of the Rhosgobel intrusive stock in Aug/93 and added the Wet 1-28 cl (YB45604) in Sep/93. In 1994, Ivanhoe was acquired by First Dynasty Mines Ltd. In Sep/94 First Dynasty constructed drill pads and access roads to the Saddle and Rhosgobel zones.

In Jun/95 Kennecott Canada Inc optioned the Clear Creek area claims and carried out a large exploration program on the Clear Creek claims including a reverse circulation drilling on the Rhosgobel stock, soil sampling, geological mapping, trenching and road

building throughout the claim block. In Nov/95 Kennecott dropped its option.

B. Lueck and R. Wongda staked the Far 1-64 cl (YB42003) and Far 65-70 cl (YB29811) in May/93 and optioned them to Farallon Resources Ltd. In July and Aug/93 Farallon carried out reconnaissance sampling on the claims. Farallon dropped its option at the end of the summer. In the summer of 1994 Lueck carried out a detailed soil sample survey in the north-western end of the property for Thor Explorations Ltd, a company controlled by Lueck. L. Hart restaked the Far cl 1-64 (YB42003) in Dec/94.

B. Lueck staked the TP cl 2, 4-8, (YB48042) 6 km south of the occurrence in Mar/94. L. Hart restaked the claims in Dec/94. Lueck staked the JD cl 1-91 (YB48278) south of the Wet claims in Mar/94. L. Hart restaked JD cl 33-64 (YB48310) and 87-91 (YB48342) in Dec/94. In Sept/95 JD cl 1-32 (YB48278) and JD A (YB48347) were transferred to L. Hart.

D. Trudea and D. Jackson staked the Hail claims southwest of the occurrence in July/94.

New Millennium Mining Inc., an wholly owned subsidiary of First Dynasty, becomes operator of the Clear Creek project in 1996.

CAPSULE GEOLOGY

The Rhosgobel claims were staked on a weakly quartz veined porphyritic granite stock of mid- Cretaceous age, which intrudes metasedimentary rocks of the Late Proterozoic to Early Cambrian Hyland Group. Scheelite occurs with gold and arsenopyrite in and occasionally disseminated between quartz veins in the granite, and in diopside skarns along the margins of the stock.

Skarn specimens assayed up to 1.3% WO₃, but the overall grade of the stockwork zone was estimated to be less than 0.05% WO₃. Quartz vein specimens assayed up to 45 ppb Au and 46 ppb Ag. Minor cassiterite occurs in greisen breccias above a granitic cupola.

The Jub claims were staked on silver geochemical anomalies. The 1981 sampling outlined three anomalies. A gold anomaly averaging 300 ppb extends for 800 m over the hornfels zone on the south side of the Pukelman stock. Specimens of quartz with arsenopyrite from a stockwork in the hornfels zone assayed up to 45.0 g/t Au and 46 g/t Ag.

In the central part of the grid, a strong northeast-trending tungsten-gold anomaly covers an area 1 000 x 400 m underlain by porphyritic quartz monzonite, and an east-trending tungsten anomaly (40 to 560 ppm W) coincides with the south contact of the Rhosgobel stock. Soil sampling in 1988 returned several values up to 408 ppb Au, and a specimen of quartz vein float assayed 1141 ppb Au.

Murphy et al. (1993) noted a strong correlation between gold, bismuth and tungsten on the Rhosgobel property. Four specimens of quartz vein material contained between 2 330 and 15 000 ppb Au, 26 to 318 ppm Bi and 55 ppm to 0.2% W.

Kennecott completed 27 reverse circulation holes totalling 1 970.5 m on the Rhosgobel stock. The drilling tested a 1.5 by 2.5 km area of anomalous Au geochemistry associated with sheeted quartz veins in the stock. The drilling program delineated a zone about 1 200 m by 200 m by 65 m deep (about 40 million tonnes) with a potential average Au grade greater than 300 ppb. This zone contains a higher grade core with a potential for about 2 million tonnes grading >1 gram per tonne Au. Kennecott also constructed access roads and collected two lines of soil samples south of the Rhosgobel stock. None of the samples returned anomalous values.

Farallon Resources Ltd collected 8 rock and 15 soil samples on their two visits to the property. The soil samples returned a high of 50 ppb Au while the rock samples returned a high of 341 ppb Au. Lueck's 1994 detailed soil sample survey was centered over a portion of the Rhosgobel Pluton believed to have potential for an intrusive hosted gold deposit. A widespread north-west trending Au in soil anomaly was outlined with several zones returning values in excess of 100 ppb Au.

REFERENCES

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GEOLOGICAL SURVEY OF CANADA, Open File Report 51.

GOLDRITE MINING CORP., Sep/89 Assessment Report #092748 by S.D. Robinson and R.A. Doherty.

IVANHOE GOLDFIELDS LTD, Aug/93. Assessment Report #093161 by D.B. Fleming.

KENNECOTT CANADA INC, Feb/95. Assessment Report #093372 by S. Coombes.

MINERAL INDUSTRY REPORT 1971-72, p. 9.

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THOR EXPLORATIONS LTD., Apr/95. Assessment Reports #093310 & #093311 by B. Lueck.

UNITED KENO HILL MINES LTD, Mar/72. Assessment Report #061132 by R.J. Joy & R.E. Van Tassell.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 278.

YUKON EXPLORATION AND GEOLOGY 1981, p. 228-229; 1982, p. 216.

YUKON EXPLORATION & GEOLOGY 1995, p. 13-14, 16.

MINFILE NUMBER: **115P 013**

NAME (S): PUKELMAN

STATUS: DRILLED PROSPECT

MINING DISTRICTS: DAWSON

NTS MAP (1:250000): MCQUESTEN

UTM ZONE: 8

NTS MAP (1:50000): 115P14

NORTHING: 7083855

EASTING: 398680

LATITUDE: 63° 52' 2" N

LONGITUDE: 137° 3' 43" W

LOCATION ACCURACY: .5 Kilometres

CLAIMS: RUM

START:

END:

COMMENT:

MINERALS:

SIGNIFICANT: SCHEELITE

COMMENTS: Sheeted quartz k-feldspar vein: containing scheelite molybdenite in pukelman stock. Gold-bearing arsenophite galena and scheelite in quartz veins and stockwork adjacent to stock.

ASSOCIATED: PYRITE

MOLYBDENITE

COMMENT: Veins and stockwork.

ALTERATION: CLAY

MANGANITE

LIMONITE

AUGELITE

COMMENT: Clay altered adjacent to stockwork zones, manganese and limonite stained, fault gouge.

ALTERATION TYPE: CLAY

OXIDATION

DEPOSIT:

TYPE: PORPHYRY

AGE OF MINERALIZATION : (Era) :

(Period) :

Start :

End :

Isotopic Age :

Material :

COMMODITY:

Major:

Minor:

Trace:

GOLD

TECTONIC ELEMENT: MCQUESTEN PLUTONIC SUITE

METAMORPHISM:

Type(s):

Grade(s):

REGIONAL

HORNFELS

GREENSCHIST

Comment: Hornfels adjacent to stock.

OWNER/OPERATOR:

YEAR OWNER/OPERATOR

COMMENT

1971 STANDARD OIL COMPANY OF B.C. LIMITED

Staked as Pukelman

1971 CANADA TUNGSTEN MINING CORPORATION
LIMITED

Staked as Pukelman.

1978 THOM, A.

SW side restaked as Rain claims.

1978 HUTTON, D.

SE side restaked as Bee claim.

1980	CANADA TUNGSTEN MINING CORPORATION LIMITED	Optioned Rain & Bee groups & added CC cl
1987	ROBERTSON, A.	Restaked as Rum claims.
1987	MCCRORY, K.	Restaked as Rum claims.
1987	M. E. COMPU SOFTWARE INCORPORATED	Optioned Rum claims.
1988	GOLDRITE MINING CORPORATION	Name changed from M.E. Compu Software.
1991	ROBERTSON, R.	STAKED MORE RUM CLAIMS
1992	NORANDA EXPLORATION COMPANY LIMITED	OPTIONS THE CLEAR CREEK PROPERTY.
1994	FIRST DYNASTY MINES LIMITED	FIRST DYNASTY TAKES OVER IVANHOE
1995	KENNECOTT CANADA INCORPORATED	OPTIONS PROPERTY EARLY 1995 AND DROPS OPTION IN NOVEMBER OF SAME YEAR.
1996	NEW MILLENNIUM MINING LIMITED	WHOLLY OWNED SUBSIDIARY OF FIRST DYNASTY BECOMES OPERATOR.

WORK HISTORY:

YEAR RANGE: 1969 TO 1969

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
SOIL SAMPLING	0	0	
GEOLOGICAL MAPPING	0	0	
STAKING	0	0	

COMMENT:

YEAR RANGE: 1978 TO 1978

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	

COMMENT:

YEAR RANGE: 1981 TO 1982

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOCHEMICAL SAMPLING	0	0	
GEOLOGICAL MAPPING	0	0	

COMMENT:

YEAR RANGE: 1987 TO 1987

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOCHEMICAL SAMPLING	0	0	
PROSPECTING	0	0	
STAKING	0	0	

COMMENT:

YEAR RANGE: 1988 TO 1988

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
DIAMOND DRILLING	8	1236.56	METRES
BULLDOZER TRENCHING	0	0	
GEOPHYSICAL SURVEY	0	0	
SOIL SAMPLING	0	0	
GEOCHEMICAL SAMPLING	0	0	

COMMENT: 8 trenches, 5 reached bedrock. VLF-EM & MAG surveys.

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity	Sample Type
GOLD	SOIL SAMPLE

Geochemical (Weak):

Commodity	Sample Type
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Geophysical:**Visual:****RESERVES:****HOST ROCK:**

DOMINANT HOST ROCK: METASEDIMENTARY

AGE (Era)

(Period)

HOST ROCK GROUP: HYLAND

Start: PROTEROZOIC

FORMATION:

End: PALEOZOIC

CAMBRIAN

DATING METHOD:

INFORMAL ROCK UNIT:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: SCHIST
GNEISS
QUARTZITE

COMMENT:

DOMINANT HOST ROCK: PLUTONIC

AGE (Era)

(Period)

HOST ROCK GROUP:

Start: MESOZOIC

CRETACEOUS

FORMATION:

End: MESOZOIC

CRETACEOUS

DATING METHOD:

INFORMAL ROCK UNIT: PUKELMAN STOCK

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: PORPHYRITIC GRANITE

COMMENT:

CAPSULE WORK HISTORY

Discovered by Canada Tungsten Mg CL in 1969 and staked as the Pukelman cl (Y65043) in Jul/71 in a joint venture with Standard OC of BC L. The showing was mapped and grid sampled later in the year.

The southwest side was restaked as Rain cl (YA31503) in Aug/78 by A. Thom, while the SE side was restaked as Bee cl (YA31794) in Sep/78 by D. Hutton. Canada Tungsten Mg Corp L. optioned the Rain and Bee groups and added a large block of CC cl (YA53321) in Sep/80 and explored with geological and geochem surveys in 1981 and 1982.

Restaked as Rum cl (YA88956) in Apr/87 by R. Robertson & K. McCrory and optioned to M.E. Compu Software Inc, which carried out prospecting and geochem sampling in 1987 and changed its name to Goldrite Mg Corp and explored with geochem, VLF-EM and mag surveys and 8 diamond drill holes in 1988. Robertson added further Rum cl (YB89345) in Jan/91. Several of the Rum and Rye claims were transferred to K. McCrory and R. Robertson in Feb/92. Noranda Exploration Co. Ltd optioned the property and conducted a drilling program on the Rum 16 etc cl (YA88971) in 1992. Noranda relinquished its option and Ivanhoe Goldfields Ltd optioned all of the Clear Creek claims in late 1992.

In 1994, First Dynasty acquires Ivanhoe. In Jun/95 Kennecott Canada Inc optioned the Clear Creek area claims (including the Rum and CC claims) and carried out a large exploration program between June and Sept/95 including reverse circulation drilling on the Rhosgobel stock, and soil sampling, geological mapping, trenching and road building throughout the claim block. In Nov/95 Kennecott dropped its option. New Millennium Mining Corp., an wholly owned subsidiary of First Dynasty, becomes the operator.

CAPSULE GEOLOGY

Sheeted quartz-K feldspar veins containing scheelite, molybdenite and pyrite occur within a mid-Cretaceous stock of biotite-hornblende granite which intrudes metasedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group. The best developed vein system underlies an area about 150 x 150 m and grades less than 0.05% WO₃. Some scheelite is also disseminated within the intrusion. Gold-bearing arsenopyrite, galena and scheelite occur in sheeted quartz veins and argillically altered stockwork zones peripheral to the stock. Specimens of vein material assay up to 45.0 g/t Au and 227.7 g/t Ag.

The 1988 soil survey outlined two parallel, east-west anomalies (400 x 300 m and 300 x 200 m) with values over 500 ppb Au and as high as 4 220 ppb Au. Quartz porphyry float from the main (Saddle) zone contained pyrite and arsenopyrite and returned assays as high as 4290 ppb Au. A large irregular-shaped anomaly on the southeast corner of the Pukelman grid is called the Contact zone. In the Contact zone, quartz-arsenopyrite float containing between 8.9 and 194.5 ppb Au was found near the intersection of a northeast-trending fault and a quartz porphyry dyke.

Goldrite's trench #3 tested a 3 780 ppb Au soil anomaly on the Contact zone, and exposed a fault zone and dyke striking 060°. A 1.0 m chip sample of manganese-stained quartzite with quartz-arsenopyrite veins contained 8740 ppb Au. Trench #5 tested a 3 357 ppb Au soil anomaly and returned values of 916 and 840 ppb Au across 1.0 m of oxidized sericite schist. Trench #6 tested a 1 626 ppb Au soil anomaly. Narrow quartz-arsenopyrite veins assayed up to 60.0 g/t Au. A 0.55 m chip sample of clay-altered biotite-feldspar

porphyry contained 5 100 ppb Au.

The 1988 drillholes tested the Contact zone soil anomaly over a strike length of 250 m. Each hole intersected the same northeast-trending fault marked by limonite and gouge, and associated with bleaching, argillization, sericitization and silicification of the porphyry and metasedimentary wall rocks. Narrow stringers of quartz, arsenopyrite and pyrite occur in the fault zone, and arsenopyrite and pyrite are disseminated in the dyke. Intersections from the fault zone assayed up to 2.19 g/t Au over 3.55 m and 4.68 g/t Au over 1.80 m, with values as high as 8.60 g/t Au over 1.1 m in the immediate hanging wall. At the east end of the Contact zone, a quartz-arsenopyrite vein in the footwall assayed 1.01 g/t Au over 4.3 m.

Murphy et al. (1993) obtained up to 960 ppb Au from specimens of intrusive float cut by thin quartz veins, but no bismuth was detected.

Kennecott constructed 2 drill pads near the Pukelman occurrence but did no other work.

REFERENCES

EMOND, D.S., 1985. Tin and tungsten veins and skarns in the McQuesten River Area. In: Exploration in Yukon Overview, Appendix C; Exploration and Geological Services Division, DIAND Open File.

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YUKON EXPLORATION AND GEOLOGY 1981, p. 228.

YUKON EXPLORATION & GEOLOGY 1995, p. 13-14, 16.

MINFILE NUMBER: **115P 023**

NAME (S): LEWIS

SLEET

STATUS: DRILLED PROSPECT

MINING DISTRICTS: DAWSON

NTS MAP (1:250000): MCQUESTEN

UTM ZONE: 8

NTS MAP (1:50000): 115P\14

NORTHING: 7081159

EASTING: 395886

LATITUDE: 63° 50' 32" N

LONGITUDE: 137° 7' 1" W

LOCATION ACCURACY: .5 Kilometres

CLAIMS:

COMMENT:

MINERALS:

SIGNIFICANT:

COMMENTS:

ASSOCIATED: QUARTZ
PYRITE

COMMENT: Auriferous arsenopyrite in quartz veins and auriferous massive pyrite bands.

ALTERATION: SERICITE
CLAY
PYRITE

COMMENT: Pyrite - sericite - quartz - clay gouge zone.

ALTERATION TYPE: SERICITIC
CLAY
SILICIFICATION

DEPOSIT:

TYPE: VEIN

AGE OF MINERALIZATION : (Era) : (Period) :

Start :

End :

Isotopic Age :

Material :

COMMODITY:

Major: Minor: Trace:

GOLD

TECTONIC ELEMENT: SELWYN BASIN

METAMORPHISM:

Type(s): Grade(s):

REGIONAL GREENSCHIST

Comment:

OWNER/OPERATOR:

YEAR OWNER/OPERATOR

COMMENT

1902 PRIEST, E.D.

Staked along with others 10-15 claims.

1974 ASARCO

Staked as Gulch claims.

1977 HUTTON, T.

Restaked on southeast side - Mike claim.

1978 HARPER, N.

Restaked on southwest side - wide claim.

1980	CANADA TUNGSTEN MINING CORPORATION LIMITED	Restaked as part of CE claim block.
1987	SECRET PASS MINERALS LIMITED	Optd. property & adjacent wind & rain cl
1987	BLACKSTONE PLACER MINING LIMITED	Restaked as sleet claims.
1992	IVANHOE MINES LIMITED	TAKES OPTION ON ALL CLEAR CREEK PROPERTY
1994	FIRST DYNASTY MINES LIMITED	TAKES OVER IVANHOE AND ACQUIRES CLEAR CREEK PROPERTY.
1996	NEW MILLENNIUM MINING LIMITED	WHOLLY OWNED SUBSIDIARY OF FIRST DYNASTY BECOMES OPERATOR.

WORK HISTORY:

YEAR RANGE: 1902 TO 1902

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
HAND TRENCHING	0	0	
STAKING	0	0	

COMMENT:

YEAR RANGE: 1974 TO 1974

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	
GEOLOGICAL MAPPING	0	0	
SOIL SAMPLING	0	0	

COMMENT:

YEAR RANGE: 1977 TO 1977

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	

COMMENT:

YEAR RANGE: 1980 TO 1980

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	

COMMENT:

YEAR RANGE: 1981 TO 1981

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOCHEMICAL SAMPLING	0	0	
GEOLOGICAL MAPPING	0	0	

COMMENT:

YEAR RANGE: 1987 TO 1987

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	
LINECUTTING	0	0	
SOIL SAMPLING	0	0	
BULLDOZER TRENCHING	0	0	

COMMENT:

YEAR RANGE: 1989 TO 1989

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
DIAMOND DRILLING	4	276	METRES

COMMENT:

YEAR RANGE: 1992 TO 1992

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
TRENCHING	0	0	

COMMENT:

YEAR RANGE: 1995 TO 1995

WORK TYPE	#DRILL HOLES	AMOUNT	UNIT
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ROAD CONSTRUCTION

COMMENT: ROADS CONSTRUCTED AS PART OF KENNECOTT'S EXPLORATION PROGRAM ON THE CLEAR CREEK PROJECT

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity Sample Type

Geochemical (Weak):

Commodity Sample Type

Geophysical:

INDUCED POLARIZATION

Visual:

RESERVES:

HOST ROCK:

DOMINANT HOST ROCK: METASEDIMENTARY

AGE (Era) (Period)

HOST ROCK GROUP: HYLAND

Start: PROTEROZOIC

FORMATION:

End: PALEOZOIC CAMBRIAN

DATING METHOD:

INFORMAL ROCK UNIT:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: SCHIST
QUARTZITE
PHYLLITE

COMMENT:

DOMINANT HOST ROCK: PLUTONIC

AGE (Era) (Period)

HOST ROCK GROUP: UNSPECIFIED

Start: MESOZOIC CRETACEOUS

FORMATION:

End: MESOZOIC CRETACEOUS

DATING METHOD:

INFORMAL ROCK UNIT:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: GRANODIORITE

COMMENT:

CAPSULE WORK HISTORY

About 10 to 15 claims were staked in this vicinity in October/02. One group staked by E.D. Priest, et al. (Mineral Hill, Red Fox, etc (2412)) was located 22.4 km above the mouth of Left Clear Creek straddling a main fork (possibly Lewis Gulch). Another group (Uranus, etc (2415)) was located between the Left Fork and 65 Pup. Old hand pits are common in this area.

Staked as Gulch cl (Y82480) in May/74 by Asarco, which conducted mapping and soil sampling; and restaked on the southeast side as Mike cl (YA10868) in Oct/77 by T. Hutton and on the southwest side as Wind cl (YA31854) in Oct/78 by N. Harper, who trenched in 1979 and 1987.

Restaked as part of a large block of CC cl (YA53321) in Sep/80 by Canada Tungsten Mg Corp L, which performed mapping and geochemical sampling in 1981.

Restaked as Sleet cl (YB4262) in Sep/87 by Blackstone Placer Mg L, which optioned them to Secret Pass Mls L later that year. Secret Pass also optioned the Wind & Rain cl and conducted linecutting, soil sampling, trenching and IP and VLF surveys in 1987 and 276 m of diamond drilling in 4 holes in 1989.

N. Harper performed stripping and trenching on the Sleet claims in 1992. In late 1992 Ivanhoe Goldfields optioned all of the Clear Creek claims including the CC, Wind, Sleet and Rain claims.

In 1994, Ivanhoe is acquired by First Dynasty Mines Ltd. In Jun/95 Kennecott Canada Inc optioned the Clear Creek area claims (including the Wind and Sleet claims) and carried out a large exploration program including reverse circulation drilling on the Rhosgobel stock and soil sampling, geological mapping, trenching and road building throughout the claim block. In Nov/95 the Kennecott dropped

its option.

New Millennium, an wholly owned subsidiary of First Dynasty, becomes operator of the Clear Creek project. The company does limited trenching on the Barney Ridge and Saddle zones in 1997.

CAPSULE GEOLOGY

Narrow, gold-bearing quartz-arsenopyrite veins and extensive gold geochemical anomalies are associated with parts of a Cretaceous granodiorite stock and its contact with metasedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group.

In June 1987, placer operations encountered nearly massive pyrite-sericite mineralization on both sides of a steeply dipping east-trending gouge-filled fault in the creek bed. Massive pyrite bands up to 1 m thick contain 50 to 80% pyrite in a quartz gangue and dip 20° north, parallel to bedding in the host sericite-biotite phyllite. Samples contained up to 9.22 g/t Au across 1.0 m. The area of interest coincides with a 500 x 200 m IP anomaly, but VLF response is flat.

All of the 1989 drillholes encountered thick sections of graphitic argillite with pyrite along the schistosity. Drillholes RWS-89-1 and 89-4 intersected the fault zone. Hole 89-1 returned 18.71 g/t Au over 0.49 m of pyrite-sericite-quartz-clay gouge in the fault. No evidence of stratabound mineralization was seen in the drillholes.

Kennecott mapped along Left Clear Creek where it had incomplete information but did no other work.

REFERENCES

KENNECOTT CANADA INC, Feb/96. Assessment Report #093372 by S. Coombes.

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SECRET PASS MINERALS CORP., Nov/87. Assessment Report #062292 by D.G. Allen.

SECRET PASS MINERALS CORP., Jul/89. Assessment Report #092752 by J.C. Stephen and S. Feulgen.

YUKON MINING AND EXPLORATION OVERVIEW 1989, p. 8, 10.

YUKON EXPLORATION & GEOLOGY 1995, p. 13-14, 16.

RUN DATE: 10/21/2004 10:53:17 AM

YUKON MINFILE
MASTER REPORT
YUKON GEOLOGY PROGRAM
WHITEHORSE

Page 21 of 40

MINFILE NUMBER: **115P 034**

NAME (S): BARNEY

STATUS: SHOWING

NTS MAP (1:250000): MCQUESTEN

NTS MAP (1:50000): 115P14

LATITUDE: 63° 48' 47" N

LONGITUDE: 137° 16' 11" W

LOCATION ACCURACY: .5 Kilometres

CLAIMS:

COMMENT:

MINING DISTRICTS: DAWSON

UTM ZONE: 8

NORTHING: 7078169

EASTING: 388259

MINERALS:

SIGNIFICANT: CASSITERITE

COMMENTS: Found in stream sediments and cassiterite. Also found in Greissen veins and Breccias.

ASSOCIATED: QUARTZ

MUSCOVITE

SCHEELITE

COMMENT: Quartz-muscovite Greissen veins and Breccias.

ALTERATION:

COMMENT:

ALTERATION TYPE:

DEPOSIT:

TYPE: VEIN

AGE OF MINERALIZATION : (Era) : (Period) :

Start :

End :

Material :

Isotopic Age :

COMMODITY:

Major:

TIN

Minor:

TUNGSTEN

Trace:

TECTONIC ELEMENT: SELWYN BASIN

METAMORPHISM:

Type(s):

REGIONAL

Comment:

Grade(s):

GREENSCHIST

OWNER/OPERATOR:

YEAR OWNER/OPERATOR

1979 WELCOME NORTH MINES LIMITED

1980 CANADA TUNGSTEN MINING CORPORATION
LIMITED

1993 IVANHOE MINES LIMITED

1994 FIRST DYNASTY MINES LIMITED

1995 KENNECOTT CANADA INCORPORATED

1996 NEW MILLENNIUM MINING LIMITED

1996 KLASSEN, J.

COMMENT

Staked as Patty & Lake claims.
Restaked as Sluggo claim.

STAKED CC CLAIMS
ACQUIRES IVANHOE AND CLEAR CREEK PROPERTIES
OPTIONS CLEAR CREEK PROPERTY. DROPS OPTION IN
NOVEMBER OF SAME YEAR.

Wholly owned subsidiary of First Dynasty Mines, acquires CC
claims.

Staked Turkey cl 1-24 5 km to the southwest.

WORK HISTORY:

YEAR RANGE: 1979 TO 1980

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	

COMMENT:

YEAR RANGE: 1981 TO 1981

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
GEOCHEMICAL SAMPLING	0	0	
GEOLOGICAL MAPPING	0	0	

COMMENT:

YEAR RANGE: 1994 TO 1994

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING			

COMMENT: IVANHOE STAKES THE CC CLAIMS

YEAR RANGE: 1995 TO 1995

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
ROAD CONSTRUCTION			
GEOLOGICAL MAPPING			

COMMENT: KENNECOTT WORK INCLUDES SOME LIMITED EXAMINATION OF THE BARNEY

YEAR RANGE: 1997 TO 1997

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
TRENCHING			

COMMENT: THREE TRENCHES EXCAVATED NEAR SMALL CRETACEOUS STOCK

EXPLORATION RESULTS:**Geochemical (Strong):**

Commodity Sample Type

Geochemical (Weak):

Commodity Sample Type

Geophysical:**Visual:****RESERVES:****HOST ROCK:**

DOMINANT HOST ROCK: METASEDIMENTARY

HOST ROCK GROUP: HYLAND

FORMATION:

AGE (Era)

(Period)

Start: PROTEROZOIC

End: PALEOZOIC

CAMBRIAN

INFORMAL ROCK UNIT:

DATING METHOD:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: SCHIST
PHYLLITE
QUARTZITE

COMMENT:

CAPSULE WORK HISTORY

Staked as Patty and Cake cl (YA32227) in Apr/79 by Welcome North ML. Restaked as Sluggo cl (YA53782) in Sep/80 by Canada Tungsten Mg Corp L, which performed mapping and geochem sampling in 1981. The adjacent CC 1-96 cl (YB45087) were staked by Ivanhoe Goldfields in Jul/93.

In Feb/94, First Dynasty Mines Ltd acquired Ivanhoe Goldfields and the Clear Creek property. In Jun/95 Kennecott Canada Inc optioned the Clear Creek area claims (including the CC claims) and carried out a large exploration program including a reverse circulation drilling program on the Rhosgobel stock and soil sampling, geological mapping, trenching and road building throughout the claim block. In Nov/95 the Kennecott dropped its option. New Millennium Mining Ltd, an wholly owned subsidiary of First Dynasty, became operator in 1996.

J. Klassen staked Turkey cl 1-24 (YB94782) 5 km to the southwest in Oct/96.

New Millennium carried out a limited trenching program on the Barney Ridge (three trenches) and Saddle zones (one trench) in the fall of 1997. Five 1000 meter soil lines were also completed near the northeastern boundary of the property.

CAPSULE GEOLOGY

The original claims straddle Clear Creek upstream from Barney Gulch, where a concentration of scheelite and cassiterite was encountered by a placer dredge in 1944. Iron-stained quartz-muscovite greisen veins and breccias containing minor cassiterite cut schist and phyllite of the Late Proterozoic-Early Cambrian Hyland Group.

Ivanhoe staked the Mid-Cretaceous Barney stock, which intrudes metasedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group. Ivanhoe theorized that the stock hosted narrow, gold-bearing quartz-arsenopyrite veins like those found at other nearby intrusions. Contour soil sampling carried out over the stock returned low Au values thus suggesting low potential for auriferous sheeted vein mineralization. Mapping and trenching on Barney ridge outlined two localities of quartz-eye porphyritic granitic dykes intruding inter-bedded muscovite phyllite and micaceous quartzite. The dykes range from 2 to 20 m in width and appear to occupy shear zones paralleling and crosscutting foliation. Samples collected from the dykes and related sheared wall rocks returned low Au values.

REFERENCES

EMOND, D.S., 1985. Tin and tungsten veins and skarns in the McQuesten River area. In: 1985 Exploration in Yukon Overview, Appendix C (Open File), Exploration and Geological Services Division, DIAND.

GEOLOGICAL SURVEY OF CANADA. Tungsten Deposits of Canada. Economic Geology Series No. 17, p. 19.

KENNECOTT CANADA INC, Feb/96. Assessment Report #093372 by S. Coombes.

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993a. Geological overview of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993b. Geological map of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-1(G), 1:50 000.

YUKON EXPLORATION AND GEOLOGY 1981, p. 228.

YUKON EXPLORATION & GEOLOGY 1995, p. 13-14, 16.

MINFILE NUMBER: **115P 035**

NAME (S): CLEMENT

STATUS: UNKNOWN

NTS MAP (1:250000): MCQUESTEN

NTS MAP (1:50000): 115P14

LATITUDE: 63° 47' 12' N

LONGITUDE: 137° 10' 54' W

LOCATION ACCURACY: 1 Kilometres

CLAIMS: BERNIE

HAIL

START:

START: 1

END:

END: 26

MINING DISTRICTS: DAWSON

UTM ZONE:

8

NORTHING:

7075078

EASTING:

392492

COMMENT:

MINERALS:

SIGNIFICANT:

COMMENTS:

ASSOCIATED:

COMMENT:

ALTERATION:

COMMENT:

ALTERATION TYPE:

DEPOSIT:

TYPE: UNKNOWN

AGE OF MINERALIZATION : (Era) :

(Period) :

Start :

End :

Isotopic Age :

Material :

COMMODITY:

Major:

Minor:

Trace:

TECTONIC ELEMENT: SELWYN BASIN

METAMORPHISM:

Type(s):

Grade(s):

REGIONAL

GREenschist

Comment:

OWNER/OPERATOR:

YEAR OWNER/OPERATOR

COMMENT

1979 CLEMENT, B.

Staked as Bernie claim.

1981 RITTER, B.

Added Mary claim to west.

1994 TRUDEAU, D.

Staked Hail claims 2 km to NE.

WORK HISTORY:

YEAR RANGE: 1979

TO 1979

WORK TYPE

#DRILL HOLES

AMOUNT

UNIT

STAKING

0

0

COMMENT:

YUKON MINFILE
MASTER REPORT
YUKON GEOLOGY PROGRAM
WHITEHORSE

YEAR RANGE: 1980	TO 1980			
<u>WORK TYPE</u>		<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
HAND TRENCHING		0	0	
COMMENT:				
YEAR RANGE: 1981	TO 1981			
<u>WORK TYPE</u>		<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING		0	0	
COMMENT: Staked adjacent ground.				

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity Sample Type

Geochemical (Weak):

Commodity Sample Type

Geophysical:

Visual:

RESERVES:

HOST ROCK:

DOMINANT HOST ROCK: METASEDIMENTARY

HOST ROCK GROUP: UNSPECIFIED

FORMATION:

AGE (Era)

(Period)

Start: PROTEROZOIC

LATE

End: PROTEROZOIC

LATE

DATING METHOD:

ISOTOPIC AGE:

MATERIAL DATED:

INFORMAL ROCK UNIT:

LITHOLOGIES: MICACEOUS QUARTZITE
MICACEOUS SCHIST

COMMENT:

CAPSULE WORK HISTORY

Staked as Bernie cl (YA4714) in Aug/79 by B. Clement, who hand trenched in 1980. B. Ritter added Mary cl (YA55683) to the west in Jul/81. D. Trudeau staked Hail cl 1-26 (YB52339) 2 km northeast of the occurrence in July/94.

CAPSULE GEOLOGY

The claims, which are underlain by post-glacial stream deposits and micaceous quartzite and schist of the Late Proterozoic-Early Cambrian Hyland Group, follow Clear Creek and may have been staked to protect surface and subsurface rights in conjunction with placer mining.

REFERENCES

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993a. Geological overview of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993b. Geological map of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-1(G), 1:50 000.

MINFILE NUMBER: 115P 045

NAME (S): OMEGA

STATUS: DEPOSIT

NTS MAP (1:250000): MCQUESTEN

NTS MAP (1:50000): 115P\14

MINING DISTRICTS: DAWSON

UTM ZONE: 8

NORTHING: 7097259

EASTING: 393333

LATITUDE: 63° 59' 9" N

LONGITUDE: 137° 10' 48" W

LOCATION ACCURACY: 1 Kilometres

CLAIMS: OMEGA

START:

END:

HOPE

START: 9

END: 10

COMMENT:

MINERALS:

SIGNIFICANT: BARITE

WITHERITE

COMMENTS: Two bedded barite occurrences.

ASSOCIATED:

COMMENT:

ALTERATION:

COMMENT:

ALTERATION TYPE:

DEPOSIT:

TYPE: STRATIFORM

AGE OF MINERALIZATION :

(Era) :

(Period) :

Start : PALEOZOIC

DEVONIAN

End : PALEOZOIC

MISSISSIPPIAN

Isotopic Age :

Material :

COMMODITY:

Major:

Minor:

Trace:

BARITE

SILVER

ZINC

TECTONIC ELEMENT: SELWYN BASIN

METAMORPHISM:

Type(s):

Grade(s):

REGIONAL

GREENSCHIST

Comment:

OWNER/OPERATOR:YEAR OWNER/OPERATORCOMMENT

1982 MATTAGAMI LAKE MINES LIMITED

Staked as Omega claims.

1983 NORANDA MINES LIMITED

Claims transferred to Noranda.

1984 TECHNIFLUIDS LIMITED

Joint venture with Noranda.

1994 BERDAHL, R.

Restaked occurrence with Hope claims.

WORK HISTORY:

YEAR RANGE: 1982

TO 1982

WORK TYPE#DRILL HOLESAMOUNTUNIT

YUKON MINFILE
MASTER REPORT
YUKON GEOLOGY PROGRAM
WHITEHORSE

STAKING 0 0
COMMENT:

YEAR RANGE: 1983 TO 1983

WORK TYPE #DRILL HOLES AMOUNT UNIT

GEOPHYSICAL SURVEY 0 0

GEOCHEMICAL SAMPLING 0 0

GEOLOGICAL MAPPING 0 0

COMMENT: VLF-EM survey

YEAR RANGE: 1985 TO 1985

WORK TYPE #DRILL HOLES AMOUNT UNIT

DIAMOND DRILLING 7 333 METRES

GEOCHEMICAL SAMPLING 0 0

GEOPHYSICAL SURVEY 0 0

BULLDOZER TRENCHING 0 0

STAKING 0 0

COMMENT: Gravity survey.

YEAR RANGE: 1994 TO 1994

WORK TYPE #DRILL HOLES AMOUNT UNIT

PROSPECTING

COMMENT:

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity Sample Type

Geochemical (Weak):

Commodity Sample Type

Geophysical:

Visual:

RESERVES:

ORE ZONE: OMEGA

RESERVE TYPE: OTHER

AMOUNT: 30000 tonnes Initial?: Yes

RESERVE LOCATION:

RESERVE CERTAINTY:

COMMENT: Based on exploration drilling carried out in 1985. Based on estimates using a 50 m strike length, 25 m depth and 4.0 tonnes/m³. Potential for up to 2 000 000 tonnes.

REFERENCES: Yukon Exploration 1985-1986, p. 380-381.

COMMODITY

GRADE

BARITE

88 PERCENT

HOST ROCK:

DOMINANT HOST ROCK: METASEDIMENTARY

HOST ROCK GROUP: EARN

FORMATION:

AGE (Era)

Start: PALEOZOIC

End: PALEOZOIC

(Period)

DEVONIAN

MISSISSIPPIAN

DATING METHOD:

INFORMAL ROCK UNIT:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: QUARTZITE
SLATE

SANDSTONE
SHALE
CONGLOMERATE
ARGILLITE

COMMENT:

CAPSULE WORK HISTORY

Staked as Omega cl (YA65102) in Jul/82 by Mattagami Lake Minin Ltd and transferred to Noranda Exploration Company Ltd, which performed mapping and geochem and VLF EM surveys in 1983. In 1985, Technifluids Ltd added more claims and performed gravity and geochem sampling, bulldozer trenching, drilled 7 holes (333 m) and studied the feasibility of barite production in a joint venture.

Restaked as Hope (9-10) (YB48357) in April/94 by R Berdahl, who carried out a prospecting program later in the year.

CAPSULE GEOLOGY

Two bedded barite occurrences have been located in a sequence of quartzite, slate, sandstone, shale and conglomerate of the Devonian-Mississippian Earn Group. Small Cretaceous syenite plutons outcrop 1.5 km to the southwest and 2 to 4 km to the northeast.

The main occurrence was tested with 6 drill holes and consists of a finely laminated barite bed containing minor argillite interbeds. It is overlain by black graphitic argillite and underlain by a thin bedded mixture of barite, limestone and witherite. The bed ranges in true thickness from 4.9 to 38 m and is faulted off along strike and at depth. Drilling has outlined reserves of 30 000 tonnes. Because of the argillite interbeds, grade is variable (up to 88%) and some upgrading may be required before shipping.

The second occurrence lies 3 km downstream and was tested by one drill hole. The barite bed is marked by a 200 m long barite-silver-zinc soil anomaly and is 10.4 m wide where penetrated by the drill hole. Unfortunately, the upper 6.7 m of the barite layer is contaminated with carbonate.

Berdahl sampled numerous sulphurous smelling barite/shale/chert showings near the main showing. None of the samples returned anomalous values for gold or sulphides.

REFERENCES

BERDAHL, R.S. AND KNUTSON, M., Sep/95. Assessment Report #093471.

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993a. Geological overview of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 61-69.

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993b. Geological map of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-1(G), 1:50 000. Preliminary Copy

MURPHY, D.C., HÉON, D., AND HUNT, J., 1996. Geological map of Clear Creek map area, western Selwyn Basin (NTS 115P/14) Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1996-1, 1:50 000 scale.

MURPHY, D.C., 1997. Geology of the McQuesten River Region, Northern McQuesten and Mayo Map Areas, Yukon Territory (115P/14, 15, 16; 105m/13, 14) Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6.

NORANDA EXPLORATION COMPANY LTD. AND MATTAGAMI EXPLORATION LTD, Feb/84. Assessment Report #091507 by J. Biczok.

NORANDA EXPLORATION COMPANY LTD, May/85. Assessment Report #091630 by W. Reid.

NOREX-TECHNIFLUIDS JOINT VENTURE, Mar/86. Assessment Report #091795 by W. Reid.

YUKON EXPLORATION AND GEOLOGY 1983, p. 270.

YUKON EXPLORATION 1985-86, p. 380-381

MINFILE NUMBER: 115P 047

NAME (S): ZETA

STATUS: DEPOSIT

NTS MAP (1:250000): MCQUESTEN

NTS MAP (1:50000): 115P\14

MINING DISTRICTS: DAWSON

UTM ZONE: 8

NORTHING: 7097884

EASTING: 387873

LATITUDE: 63° 59' 23' N

LONGITUDE: 137° 17' 31' W

LOCATION ACCURACY: 1 Kilometres

CLAIMS: ZETA

START:

END:

HOPE

START: 1

END: 4

HOPE

START: 11

END:

HOPE

START: 5

END: 8

COMMENT:

MINERALS:

SIGNIFICANT: JAMESONITE

BOULANGERITE

COMMENTS: Argentiferous galena and other minerals in three tourmaline-quartz greisen veins up to 3 meters wide in alteration envelopes, veins cut pluton and hornfelsed country rock.

ASSOCIATED: TOURMALINE

QUARTZ

PYRITE

CASSITERITE

BARITE

STANNITE

COMMENT: Tourmaline-quartz greisen veins with variable mineralogy. Bedded barite outcrops on north side of property.

ALTERATION: KAOLINITE

LIMONITE

TALC

COVELLITE

COMMENT: 10-30 m wide alteration envelopes cutting across intrusive - hornfels contact. 30-40 m thick zone of surface leaching.

ALTERATION TYPE: SERICITIC

CLAY

OXIDATION

DEPOSIT:

TYPE: VEIN

AGE OF MINERALIZATION :

(Era) :

(Period) :

Start: MESOZOIC

CRETACEOUS

End: MESOZOIC

CRETACEOUS

Isotopic Age :

Material :

COMMODITY:

Major:

Minor:

Trace:

LEAD

COPPER

SILVER

TIN

ZINC

BARITE

TECTONIC ELEMENT: TOMBSTONE PLUTONIC SUITE

METAMORPHISM:

Type(s): REGIONAL
Grade(s): GREENSCHIST
HORNFELS

Comment: Sedimentary rocks are hornfelsed and pyritic up to 100 m away from intrusive contact.

OWNER/OPERATOR:

YEAR	OWNER/OPERATOR	COMMENT
1984	NORANDA MINES LIMITED	Staked as Zetz claims.
1988	DANRA RESOURCES LIMITED	Optioned property from Noranda Mines Ltd
1994	BERDAHL, R.	Restaked with Hope claims.
1997	NICHOLSON, G.	Staked Screamer cl 1-4, 19-24, and 62-70, 4 km to the southwest.
1997	INTERNATIONAL KODIAK RESOURCES INCORPORATED	Staked Bald cl 1-16, 6.5 km to the west.

WORK HISTORY:

YEAR RANGE: 1983 TO 1983

WORK TYPE	#DRILL HOLES	AMOUNT	UNIT
STAKING	0	0	

COMMENT: Staked following-up stream geochemical results.

YEAR RANGE: 1984 TO 1984

WORK TYPE	#DRILL HOLES	AMOUNT	UNIT
DIAMOND DRILLING	10	883	METRES
GEOCHEMICAL SAMPLING	0	0	
GEOPHYSICAL SURVEY	0	0	
GEOLOGICAL MAPPING	0	0	
TRENCHING	0	0	

COMMENT: Magnetic survey, VLF-EM survey.

YEAR RANGE: 1988 TO 1988

WORK TYPE	#DRILL HOLES	AMOUNT	UNIT
DIAMOND DRILLING	4	608.7	METRES

COMMENT:

YEAR RANGE: 1994 TO 1994

WORK TYPE	#DRILL HOLES	AMOUNT	UNIT
PROSPECTING			

COMMENT:

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity	Sample Type
COPPER	SOIL SAMPLE
ZINC	SOIL SAMPLE
SILVER	SOIL SAMPLE

Geochemical (Weak):

Commodity	Sample Type
-----------	-------------

Geophysical:

GRAVITY

Visual:

RESERVES:

ORE ZONE: ZETA

RESERVE TYPE: UNSPECIFIED

AMOUNT: 98248 tonnes Initial ? : No

RESERVE LOCATION: UNSPECIFIED

RESERVE CERTAINTY: UNSPECIFIED

COMMENT: Drill indicated reserves.

REFERENCES: Yukon Exploration 1988, p.220.

COMMODITY

SILVER

GRADE

557.8 GM/TONNE

HOST ROCK:

DOMINANT HOST ROCK: METASEDIMENTARY

AGE (Era)

(Period)

HOST ROCK GROUP: EARN

Start: PALEOZOIC

DEVONIAN

FORMATION:

End: PALEOZOIC

MISSISSIPPIAN

DATING METHOD:

INFORMAL ROCK UNIT:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: SHALE
CHERT
CONGLOMERATE
BARITE
SANDSTONE

COMMENT:

DOMINANT HOST ROCK: PLUTONIC

AGE (Era)

(Period)

HOST ROCK GROUP:

Start: MESOZOIC

CRETACEOUS

FORMATION:

End: MESOZOIC

CRETACEOUS

DATING METHOD:

INFORMAL ROCK UNIT: SYENITE RANGE STOCK

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: QUARTZ SYENITE
HORNBLende SYENITE
BIOTITE SYENITE
ORBICULAR GRANITE
QUARTZ MONZONITE

COMMENT:

CAPSULE WORK HISTORY

Staked as Zeta cl (YA79015) in Jun/83 by Noranda Exploration Company Ltd, which explored with trenching, mapping, mag, VLF EM and geochem surveys and 10 holes (883 m) in 1984. Noranda optioned the property in Apr/88 to Danra Resources Ltd, which drilled 4 holes (138m) later that year.

Restaked as Hope cl (1-4) (YB48348) by R. Berdahl in April/94. Berdahl also staked Hope cl (11) (YB48358) 1 km to the west and Hope cl (5-7) (YB48352) 2 km to the southeast.

In Apr/97 International Kodiak Resources Inc staked Bald cl 1-16 (YC 04287) 6.5 km to the west. Between Jun and Nov/97 G. Nickolson staked Screamer cl 1-4 (YC03395), 19-24 (YC03537) and 62-70 (YC04398) 4 km to the southwest.

CAPSULE GEOLOGY

The claims were staked on argentiferous galena veins at the contact between shale, sandstone and conglomerate of the Devonian-Mississippian Earn Group and the Syenite Range Stock, a zoned mid-Cretaceous felsic intrusion. The core of the intrusion consists of tourmaline orbicular granite, and is surrounded by concentric zones of quartz monzonite and syenite. Sedimentary rocks are hornfelsed and pyritic up to 100 m away from the intrusive contact.

The main zone, which strikes 065° and dips steeply south, cuts across the intrusive hornfels contact. It consists of three parallel tourmaline-muscovite quartz greisen veins, up to 3 m wide, enclosed by 10 to 30 m wide alteration envelopes of kaolinite, hematite, limonite and talc. This zone has been traced 500 m into the pluton and is mineralized with varying amounts of pyrite, arsenopyrite, cassiterite, sphalerite, jamesonite, covellite, chalcocite and stannite.

The 1984 drilling tested the main zone for 150 m along strike and 100 m down dip. The best assays were 751.5 g/t Ag over 4.3 m and 528.3 g/t Ag over 3.2 m. Grades appear to improve beneath a 30 to 40 m thick zone of surface leaching. Geological reserves in this zone are estimated at 98 000 tonnes grading 557.8 g/t Ag (Yukon Exploration 1988). Noranda estimated an average tin content of 0.1% with local concentrations up to 0.6%.

A second zone nearby lies completely within the homfels. It strikes 090° and has been traced for at least 400m. Mineralization in this zone is much more erratic. Other veins have been located about 2 km to the west. Two outcrops of white interlaminated barite and chert were located on the north side of the property. The barite coincides with a strong linear Cu, Zn and Ag soil anomaly that is 500 m long.

Berdahl concentrated his efforts towards extending the strike length of the known mineralization. Prospecting outlined several areas of interest which require follow up work. Panning carried out on creeks draining the Syenite Range failed to return significant gold values.

REFERENCES

- ABERCROMBIE, S.M., 1990. Petrology, geochronometry, and economic geology: The Zeta tin-silver prospect, Arsenic Ridge, west-central Yukon (115P/14 and 116A/3). M.Sc. Thesis, University of British Columbia, Vancouver, B.C.
- BERDAHL, R.S. AND KNUTSON, M., Oct/95. Assessment Report #093471 by R. Berdahl.
- DANRA RESOURCES LTD, Mar/87. Assessment Report #062287 by W.A. Hogg.
- DANRA RESOURCES LTD, Nov/88. Assessment Report #092675 by E.A. Gallo.
- EMOND, D.S., 1992. Petrology and geochemistry of tin and tungsten mineralized plutons, McQuesten River Region, Central Yukon. In: Yukon Geology, Vol. 3, Exploration and Geological Services Division, DIAND, p. 167-195.
- EMOND, D.S., and LYNCH, T., 1992. Geology, mineralogy and geochemistry of tin and tungsten veins, breccias and skarns, McQuesten River region (115P (North) and 105M 13), Yukon. In: Yukon Geology, Vol. 3, Exploration and Geological Services Division, DIAND, p. 133-159.
- GEORGE CROSS NEWSLETTER, 24 Aug/88.
- MURPHY, D.C., HÉON, D., AND HUNT, J., 1993a. Geological overview of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p.61-69.
- MURPHY, D.C., HÉON, D., AND HUNT, J., 1993b. Geological map of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-1(G), 1:50 000. Preliminary Copy
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- NORANDA EXPLORATION COMPANY LTD, Dec/84. Assessment Report #091590 by B. Jago.
- NORANDA EXPLORATION COMPANY LTD, Feb/86. Assessment Report #091782 by S.M. Abercrombie.
- NORTHERN MINER, 25 Apr/88.
- YUKON EXPLORATION 1984, p. 220-221, 1988, p. 220.
- YUKON EXPLORATION AND GEOLOGY 1984, p. 220-221.
- YUKON MINING AND EXPLORATION OVERVIEW 1988, p. 39-40.

MINFILE NUMBER: 115P 055

NAME (S): BARNEY

LEFT

STATUS: ANOMALY

MINING DISTRICTS: DAWSON

NTS MAP (1:250000): MCQUESTEN

UTM ZONE: 8

NTS MAP (1:50000): 115P14

NORTHING: 7081309

LATITUDE: 63° 50' 32' N

EASTING: 391461

LONGITUDE: 137° 12' 25' W

LOCATION ACCURACY: 1 Kilometres

CLAIMS: CC

START: END:

LL

START: 1 END: 120

COMMENT:

MINERALS:

SIGNIFICANT:

COMMENTS:

ASSOCIATED:

COMMENT:

ALTERATION:

COMMENT:

ALTERATION TYPE: SERPENTINE

DEPOSIT:

TYPE: UNKNOWN

AGE OF MINERALIZATION : (Era) : (Period) :

Start :

End :

Isotopic Age :

Material :

COMMODITY:

Major:

Minor:

Trace:

ANTIMONY

ARSENIC

GOLD

TECTONIC ELEMENT: SELWYN BASIN

METAMORPHISM:

Type(s):

Grade(s):

REGIONAL

GREENSCHIST

Comment:

OWNER/OPERATOR:

YEAR OWNER/OPERATOR

COMMENT

1987 HERBERTZ, H.

Staked BHW claims.

1993 IVANHOE MINES LIMITED

Restaked occurrence with CC claims.

1994 WONDGA, R.

Staked LL claims to the north.

1994 FIRST DYNASTY MINES LIMITED

FIRST DYNASTY MINES LTD TAKEOVER OF IVANHOE
GOLDFIELDS

1996 NEW MILLENNIUM MINING LIMITED

WHOLLY OWNED SUBSIDIARY OF FIRST DYNASTY
BECOMES OPERATOR.

WORK HISTORY:

YEAR RANGE: 1987 TO 1987

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
STAKING	0	0	

COMMENT:

YEAR RANGE: 1994 TO 1994

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
SOIL SAMPLING	0	0	

COMMENT: Ivanhoe carried out reconnaissance scale program, no economic results.

YEAR RANGE: 1995 TO 1995

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
ROAD CONSTRUCTION			

COMMENT: KENNECOTT WORK

YEAR RANGE: 1997 TO 1997

<u>WORK TYPE</u>	<u>#DRILL HOLES</u>	<u>AMOUNT</u>	<u>UNIT</u>
TRENCHING			

COMMENT: THREE TRENCHES EXCAVATED ON CC CLAIMS

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity Sample Type

Geochemical (Weak):

Commodity Sample Type

Geophysical:

Visual:

RESERVES:

HOST ROCK:

DOMINANT HOST ROCK: METASEDIMENTARY

HOST ROCK GROUP: HYLAND

FORMATION: YUSEZYU

YUSEZYU

INFORMAL ROCK UNIT:

AGE (Era)

(Period)

Start: PROTEROZOIC

End: PALEOZOIC

CAMBRIAN

DATING METHOD:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: QUARTZITE

MUSCOVITE-CHLORITE SCHIST

COMMENT:

DOMINANT HOST ROCK: PLUTONIC

HOST ROCK GROUP:

FORMATION:

AGE (Era)

(Period)

Start: MESOZOIC

End: MESOZOIC

CRETACEOUS

CRETACEOUS

DATING METHOD:

ISOTOPIC AGE:

MATERIAL DATED:

INFORMAL ROCK UNIT: TOMBSTONE STOCK

LITHOLOGIES: GRANODIORITE

COMMENT:

CAPSULE WORK HISTORY

Staked as BHW cl (YA89857) in Aug/87 by H. Herbertz. In late 1992 Ivanhoe Goldfields Ltd optioned all of the surrounding Clear Creek claims from their various owners. Ivanhoe restaked the occurrence as the CC 1-96 cl (YB45087) in Jul/93 and added CC cl 97-131 (YB477963) in November/93. In 1994 First Dynasty Mines Ltd does takeover of Ivanhoe and becomes owner. In 1994 First Dynasty carried out reconnaissance soil sampling on CC cl 97-131.

In Jun/95 Kennecott Canada Inc optioned the Clear Creek area claims (including the CC claims) and carried out a large exploration program including reverse circulation drilling on the Rhosgobel stock, and soil sampling, geological mapping, trenching and road building throughout the claim block. In Nov/95 Kennecott dropped its option. New Millennium Mines Ltd, an wholly owned subsidiary of First Dynasty, becomes operator of the Clear Creek property. New Millennium has trenching and limited soil sampling completed on the Barney and Saddle zones in 1997.

Between February and Mar/94 R. Wondga staked LL cl 1-120 (YB48063) to the north and shortly after, optioned them to Montoro Resources Inc. In the summer of 1994 the company carried out geological mapping and grid soil sampling. In May/95 Wondga transferred LL cl 1-78 (YB48063) to Montoro Resources Inc.

CAPSULE GEOLOGY

The area is underlain by quartzite and schist of the Upper Proterozoic - Lower Cambrian Hyland Group (Tombstone Thrust deformed Yusezyu Formation) and Upper Cretaceous granodiorite stocks. Specimens of greisenized and brecciated quartzite taken by Emond and Lynch (1992) contained anomalous levels of Au, As and Sb.

A total of 16 soil samples were collected by First Dynasty in 1994. The samples generally returned low values, possibly due to the presence of deep overburden. Kennecott limited its work to mapping the bed of Left Clear Creek.

Montoro Resources centered their soil sample grid overtop a breccia zone mapped by Murphy, Heon and Hunt (1992) in 1992. The soil survey revealed several spot Au anomalies (highest = 257 ppb) but no significant anomalies.

REFERENCES

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EMOND, D.S., and LYNCH, T., 1992. Geology, mineralogy and geochemistry of tin and tungsten veins, breccias and skarns, McQuesten River region (115P (North) and 105M 13), Yukon. In: Yukon Geology Vol. 3, Exploration and Geological Services Division, DIAND, p. 133-159.

KENNECOTT CANADA INC, Feb/96. Assessment Report #093372 by S. Coombes.

MONTORO RESOURCES INC., Mar/96. Assessment Report #093443 by B. Lueck and DW Philip.

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993a. Geological overview of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

MURPHY, D.C., HÉON, D., AND HUNT, J., 1993b. Geological map of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1993-1(G), 1:50 000.

YUKON EXPLORATION & GEOLOGY 1995, p. 13-14, 16.

MINFILE NUMBER: **115P 060**

NAME (S): LOST HORSES

STATUS: UNKNOWN

MINING DISTRICTS: DAWSON

NTS MAP (1:250000): MCQUESTEN

UTM ZONE:

8

NTS MAP (1:50000): 115P\14

NORTHING:

7078843

LATITUDE: 63° 49' 2' N

EASTING:

382508

LONGITUDE: 137° 23' 13' W

LOCATION ACCURACY: .5 Kilometres

CLAIMS: LOST HORSES

START: 1

END: 20

HP

START: 1

END: 30

COMMENT:

MINERALS:

SIGNIFICANT:

COMMENTS:

ASSOCIATED:

COMMENT:

ALTERATION:

COMMENT:

ALTERATION TYPE:

DEPOSIT:

TYPE: UNKNOWN

AGE OF MINERALIZATION : (Era) :

(Period) :

Start :

End :

Isotopic Age :

Material :

COMMODITY:

Major:

Minor:

Trace:

TECTONIC ELEMENT: SELWYN BASIN

METAMORPHISM:

Type(s):

Grade(s):

Comment:

OWNER/OPERATOR:YEAR OWNER/OPERATORCOMMENT

1989 6176 YUKON LIMITED

Staked as lost horses claims.

1994 HART, L.

Staked HP claims 3 km to NW.

WORK HISTORY:

YEAR RANGE: 1989

TO 1989

WORK TYPE#DRILL HOLESAMOUNTUNIT

STAKING

0

0

COMMENT:

EXPLORATION RESULTS:

Geochemical (Strong):

Commodity Sample Type

Geochemical (Weak):

Commodity Sample Type

Geophysical:**Visual:****RESERVES:****HOST ROCK:**

DOMINANT HOST ROCK: METASEDIMENTARY

HOST ROCK GROUP: UNSPECIFIED

FORMATION:

AGE (Era)

(Period)

Start: PROTEROZOIC

LATE

End: PALEOZOIC

CAMBRIAN

INFORMAL ROCK UNIT:

DATING METHOD:

ISOTOPIC AGE:

MATERIAL DATED:

LITHOLOGIES: SCHIST
QUARTZITE
LIMESTONE

COMMENT: Upper Proterozoic (?) - Lower Cambrian Yusezyu Formation.

CAPSULE WORK HISTORY

Staked as Lost Horses cl 1-20 (YB23480) in Jun/89 by 6176 Yukon Ltd. In Dec/94 L. Hart staked the HP cl 1-30 (YB53028) 3 km northwest of the occurrence.

CAPSULE GEOLOGY

The claims are underlain by schist, quartzite and limestone of the Yusezyu Formation, part of the Late Proterozoic-Early Cambrian Hyland Group, some 3 km north of the Two Sisters Batholith, a granite intrusion of mid-Cretaceous age. No work appears to have ever been recorded on the claims.

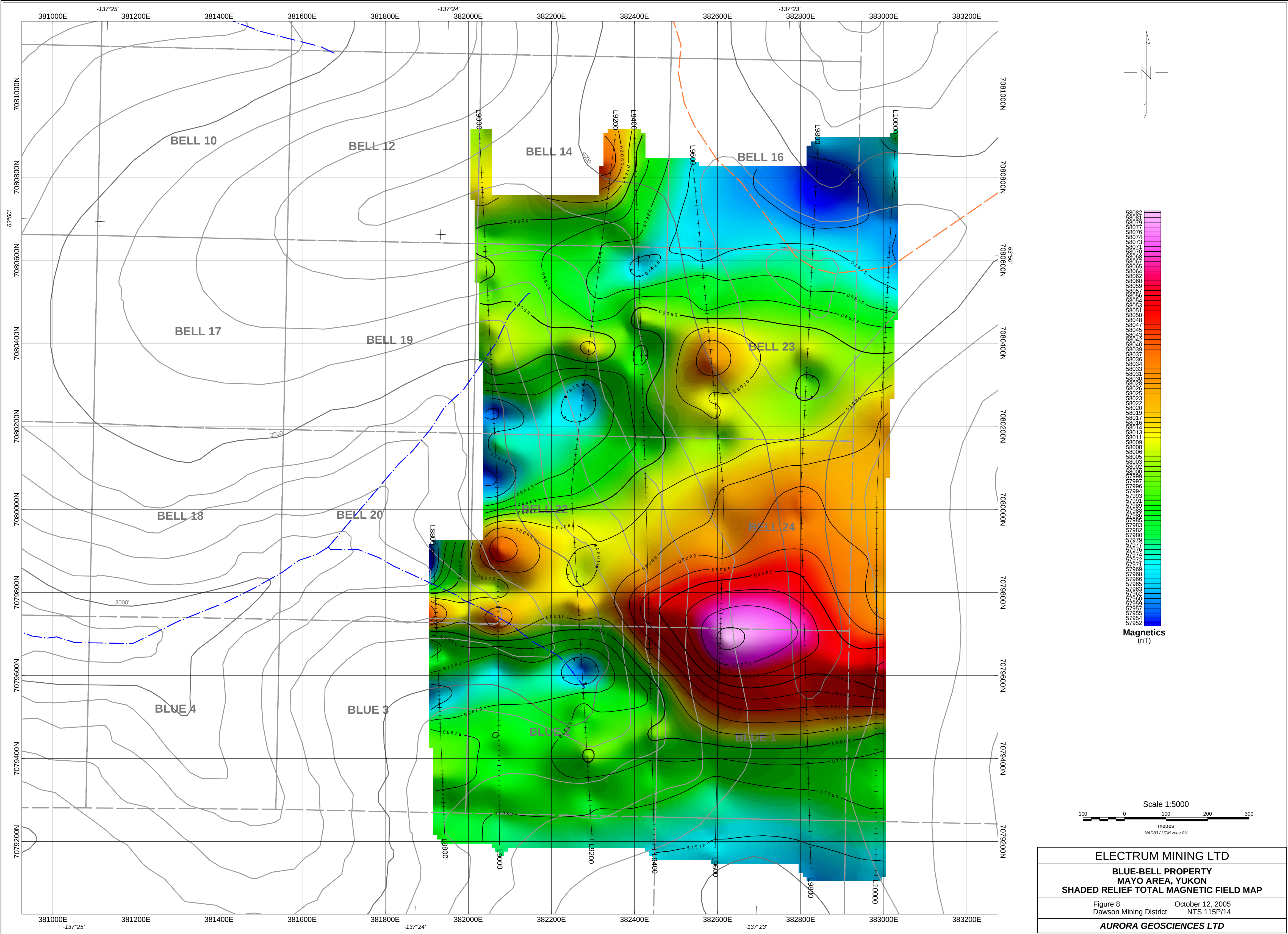
REFERENCES

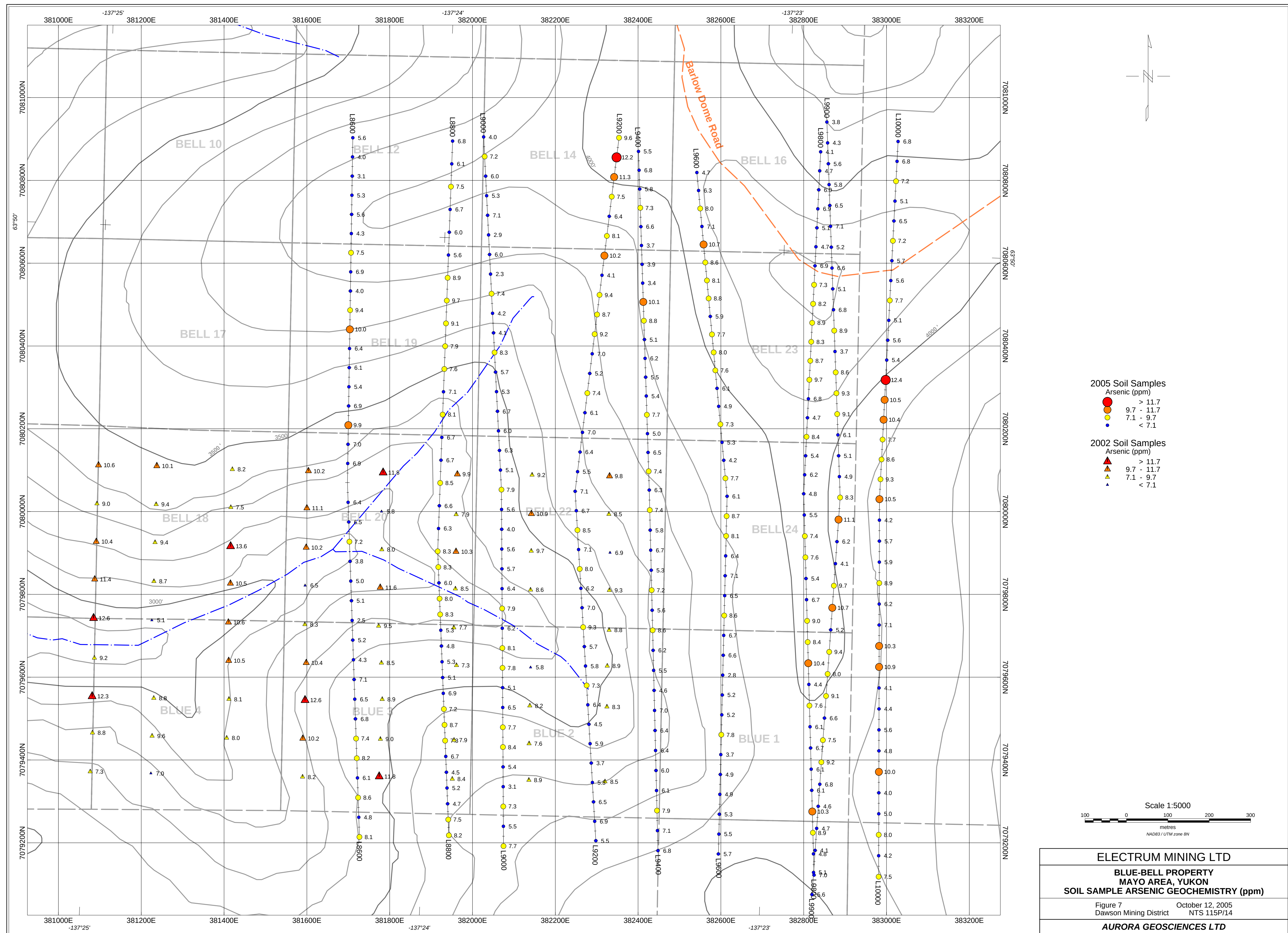
MURPHY, D.C., HÉON, D., AND HUNT, J., 1993a. Geological overview of Clear Creek map area, western Selwyn Basin (NTS 115P/14). In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

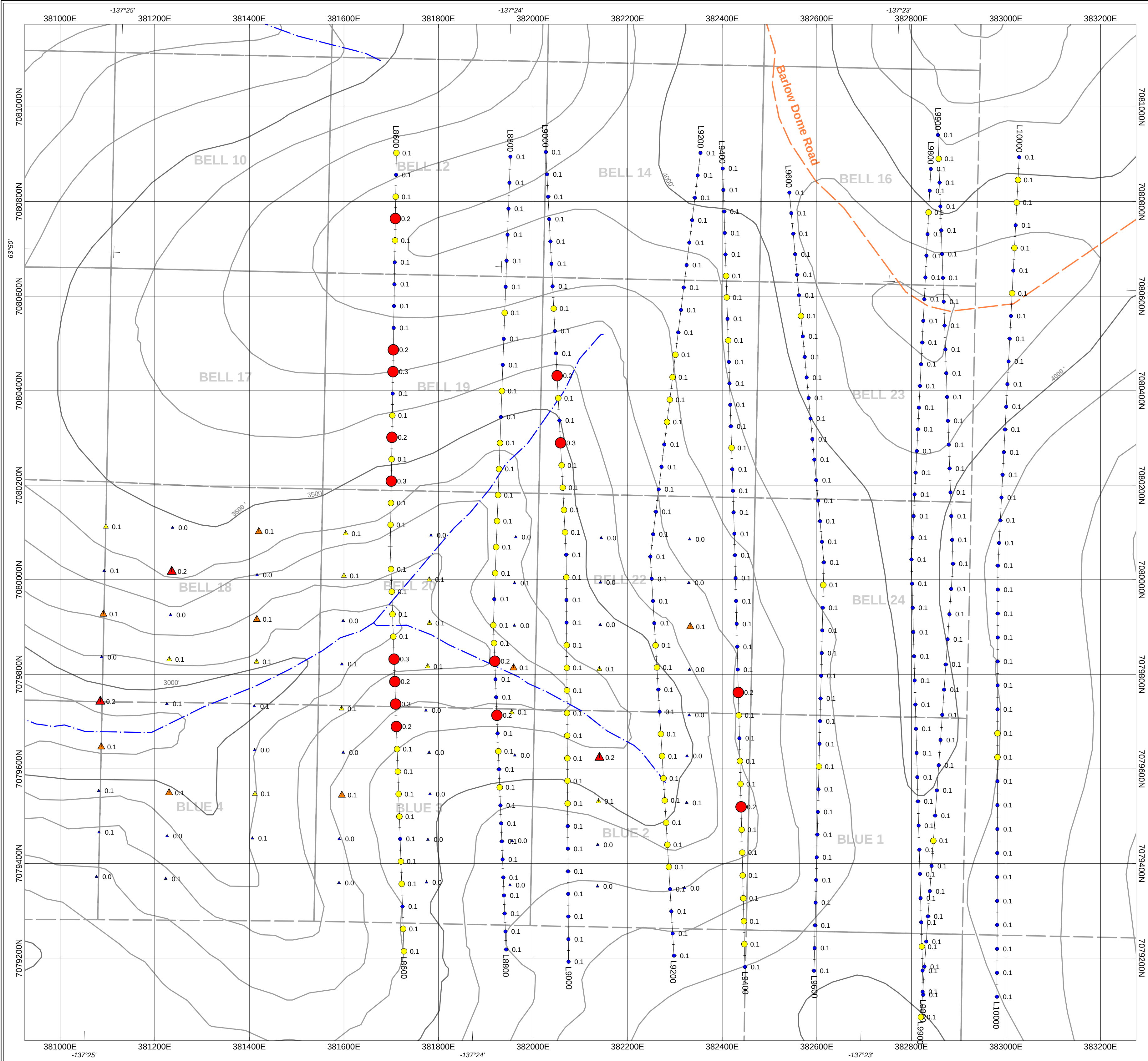
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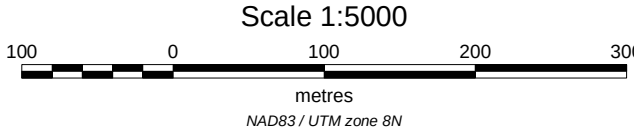
MURPHY, D.C. 1996. Geology of the McQueston River region, northern McQueston and Mayo map areas, Yukon (115P/14, 15, 16 and 105M/13, 14). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6.



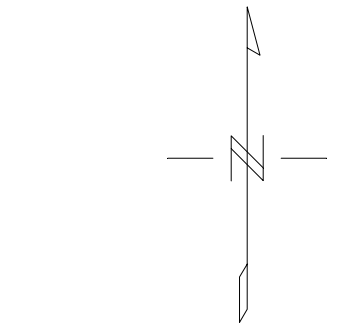
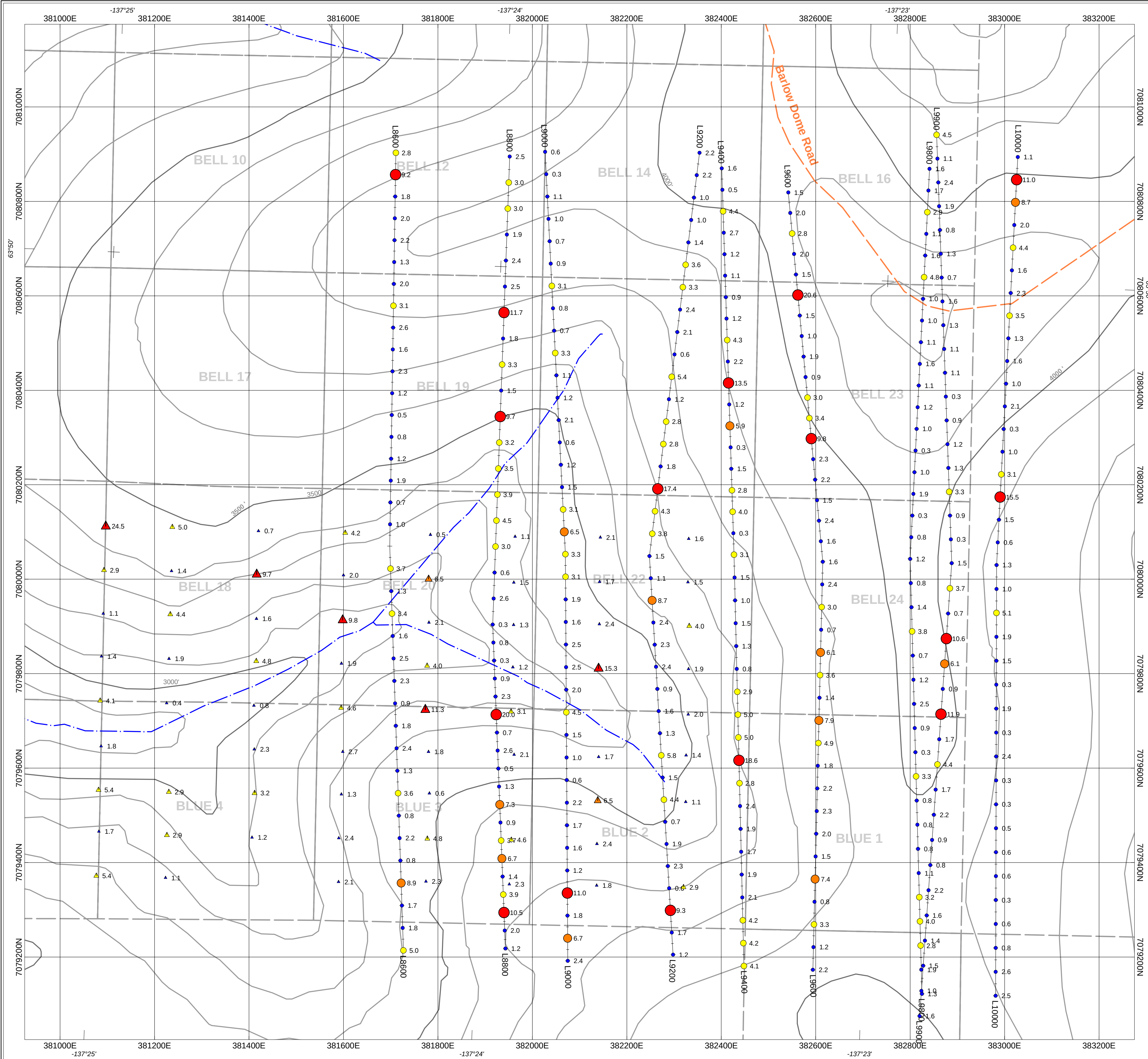




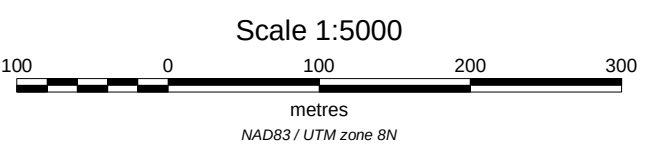
- 2005 Soil Samples**
Silver (ppm)
- > 0.15
 - 0.11 - 0.15
 - 0.07 - 0.11
 - < 0.07
- 2002 Soil Samples**
Silver (ppm)
- ▲ > 0.15
 - ▲ 0.11 - 0.15
 - ▲ 0.07 - 0.11
 - ▲ < 0.07



ELECTRUM MINING LTD	
BLUE-BELL PROPERTY MAYO AREA, YUKON SOIL SAMPLE SILVER GEOCHEMISTRY (ppm)	
Figure 6 Dawson Mining District	October 12, 2005 NTS 115P/14
AURORA GEOSCIENCES LTD	



- 2005 Soil Samples**
Gold (ppb)
- > 8.9
 - 5.8 - 8.9
 - 2.7 - 5.8
 - < 2.7
- 2002 Soil Samples**
Gold (ppb)
- ▲ > 8.9
 - ▲ 5.8 - 8.9
 - ▲ 2.7 - 5.8
 - ▲ < 2.7



ELECTRUM MINING LTD	
BLUE-BELL PROPERTY MAYO AREA, YUKON SOIL SAMPLE GOLD GEOCHEMISTRY (ppb)	
Figure 5 Dawson Mining District	October 12, 2005 NTS 115P/14
AURORA GEOSCIENCES LTD	

