ASSESSMENT REPORT
1998 GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL PROGRAM
MIKE LAKE PROPERTY

VOLUME I OF II

Lorrie and Jamie quartz claims
Java 62-79 quartz claims
Dawson Mining District, Yukon



093922

Property Location:

Mike Lake Area
90 Km E-NE of Dawson City, Yukon
NTS 116 A/5 and NTS 116 A/4
Latitude: 64° 17' N Longitude 137° 52' W

Operator:

HOMESTAKE CANADA INC.
P.O. Box 11115
1100 - 1055 West Georgia Street
Vancouver, B.C. V6E 3P3

RECEIVED
DEC 2 1 1998
MINING
RECORDERS OFFICE
DAWSON, Y.T.

Report by:

Dominic Bordin, Project Geologist
Mike Papageorge, Field Geologist
Dave L. Kuran, Senior Geologist
Homestake Canada Inc.

Date Field Work Completed: June 1, 1998 - September 26, 1998
Report Completed: November 30, 1998

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 64,900.00.

M. B...

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

SUMMARY

The Lorrie/Jamie claims and Java 62-79 claims are located in the Ogilvie Mountains, 90 kilometers east-northeast of Dawson City Yukon. They are centered on Mike Lake and can only be accessed by helicopter. The claims form a land package which is currently being worked by Homestake Canada Inc. under an option agreement signed with Tombstone Explorations Co. Ltd. on November 3,1997. The property consists of 193 Lorrie/Jamie claims and 18 Java claims all located within the Dawson Mining District. Under the current agreement Homestake has a right to earn a 70% interest in the land package by spending $1M before November 3, 2001. The companies would then form a joint venture to explore the entire land package.

The claims are within the Selwyn Basin and are underlain by a stratigraphic sequence comprised of Late Proterozoic to Early Paleozoic Hyland Group strata, Late Cambrian to Middle Ordivician Rabbitkettle Formation and Cambrian to Lower Devonian Road River Formation. Hyland Group sediments consist primarily of Yusezyu Formation quartzite, grit, and siltstone. The Rabbitkettle Formation overlies this siliciclastic sequence and typically occurs as grey, thinly bedded, platey, phyllitic silty limestone which marks an important transition into a carbonate sequence. The Road River Formation occurs as a thick package of argillite with lesser chert, siltstone and limestone. Tombstone Plutonic Suite syenite stocks have intruded the sedimentary package and caused widespread hornfelsing, potassic alteration, and localized skarning. The emplacement of the stocks appears to be related to a gold mineralizing event in the Mike Lake area.

The work program completed during the period June 1 - September 30 1998 involved geological mapping, rock sampling, soil sampling, blast trenching and geophysical surveys. A total of 386 grab and chip rock samples and over 1030 soil samples were collected during the field season. Geophysical surveys included approximately 498 line km of aeromagnetic surveys and 18 km of MaxMin ground surveys. Nine (9) blast trenches were excavated over coincident geophysical/geochemical anomalies.

A zone of widespread gold/copper mineralization was discovered on Skarn Ridge. Values up to 387g/t Au were obtained from grab samples and chip samples from trenches on Skarn Ridge returned values up to 14.5 g/t Au over 6.0m and 0.42% Cu over 61.0 m. Geochemical and geophysical results from the North Vein strongly suggest this mineralized horizon has a minimum strike length of 500-600 meters and may extend towards a large aeromagnetic anomaly located near the north tip of Mike Lake. This magnetic/resistivity anomaly is the highest priority target generated from the airborne survey. A 1500-2000 meter diamond-drill program is recommended to further evaluate the Skarn Ridge and North Vein targets and to possibly test some of the geophysical anomalies identified elsewhere on the property.

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1.0 INTRODUCTION

1.1 LOCATION AND ACCESS

The Mike Lake property is located approximately 90 kilometers east-northeast of Dawson City, Yukon. The claims are situated at latitude 64° 17'N and longitude 137° 52' W on NTS mapsheet 116 A/5 and 116A/4. (Figure 1.1). The NE-SW trending claim block is centered on Mike Lake and can only be accessed by helicopter. Flying time from Dawson is 0.5 hours and flying time from the Dempster Highway is 0.3 hours. A clearing at Bensen Creek, located 28 km from the Dempster turnoff, can be used to airlift supplies into the Java claims.

1.2 PHYSIOGRAPHY, VEGETATION AND CLIMATE

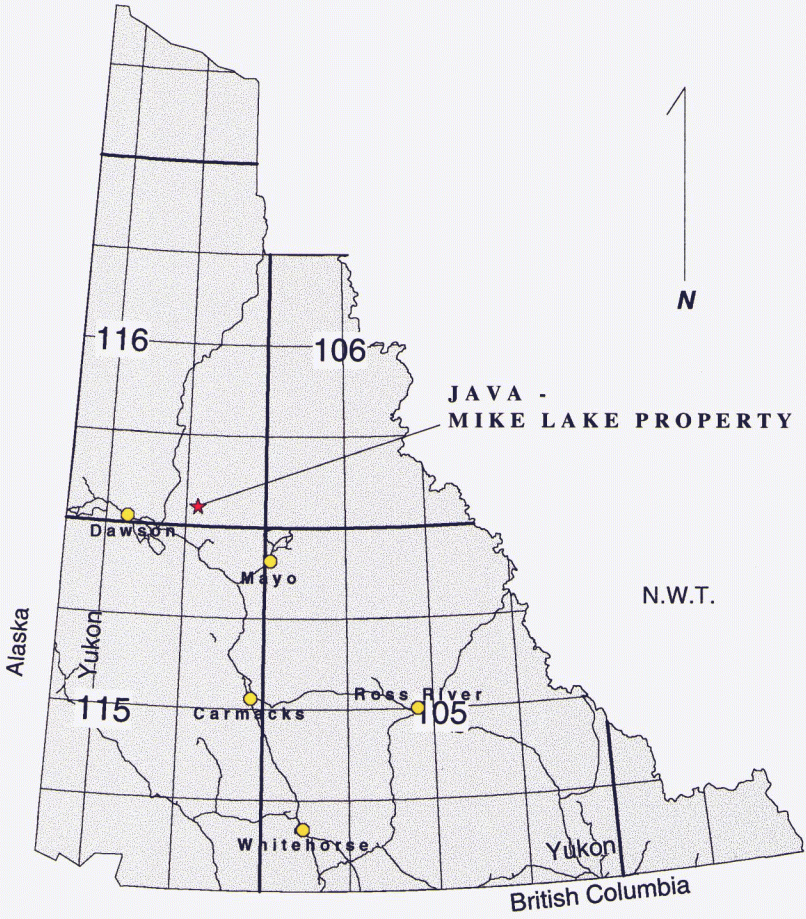
The Mike Lake property is located in the Ogilvie Mountains. The area is characterized by east-west trending ridges with steep north-facing slopes, moderately steep (20-30 degrees) talus-covered south-facing slopes, and gently sloping valley bottoms. Property elevations range from 1200 to 2100 meters.

Vegetation on the claims is sparse since most of the property is above treeline. Alpine grasses, sedges, and lichen can be found on south facing slopes. Patchy to dense buckbrush dominates the valley bottoms.

The climate in the area is quite variable. The summer season extends from mid-June to mid-August and is characterized by warm sunny days with occasional showers. Temperatures are typically in the 15–20 degrees Celsius range. Outside of this window, the weather becomes very unpredictable with erratic snowstorms and occasional heavy rainstorms. Snowfall in the area is moderate (2–3 m) and winter temperatures are extreme. (–30 to –50 degrees Celsius)

1.3 PROPERTY HISTORY

Gold mineralization was discovered in the Mike Lake area during the 1960's. Hart River Mines Ltd. staked the first claims in the area, and the ground was restaked and worked by Canalta Resources in 1975. The Canalta program involved trenching and 3 or 4 short diamond-drill holes targeting intrusive-hosted, quartz-arsenopyrite veins. Belmoral Mines also performed surface work on the AS and GH claims south of Mike Lake in 1973. The focus of their program was disseminated chalcopyrite mineralization in contact skarns, and intrusive-hosted quartz-arsenopyrite veins. In 1985, Gallagher Explorations completed a geological/geochemical survey on the Canalta ground and Walhalla conducted a limited prospecting/mapping program in 1988 and 1989.



HOMESTAKE CANADA INC.

FIGURE 1.1
JAVA - MIKE LAKE PROPERTY
LOCATION MAP

DECEMBER 1998
DAWSON
MINING DISTRICTS

0 150 300
Kilometers

In 1990, Tombstone Explorations acquired a large block of ground in the area and completed a detailed program of prospecting and stream sediment sampling. The claims were optioned to Placer Dome Explorations in 1991 and a program of prospecting, soil/rock sampling, and geological mapping was completed in the same year. The program identified several prospective areas which warranted additional work but the ground was returned to Tombstone Explorations.

During the summer of 1996, Homestake Canada prospected several stream sediment geochemical anomalies north of the Mike Lake area. Follow-up work in 1997 led to the discovery of the Java showings and the staking of the Java claims along the northern boundary of the Jamie/Lorrie claim group. An option agreement was signed with Tombstone Explorations in the fall of 1997 and a Homestake field crew worked the property during the summer of 1998.

2.0 CLAIM HOLDINGS

The Mike Lake property consists of 193 Lorrie/Jamie claims, and 18 Java claims (see Table 2.1). The layout of the claims is shown in Figure 2.1. The claims form a contiguous land package which is currently being explored under an option agreement dated November 3, 1997 between Tombstone Explorations Co. Ltd. and Homestake Canada Inc. The agreement gives Homestake a right to earn a 70% interest in the land package by incurring $1M in expenditures on the property by November 3/2001. Upon exercise of the option by Homestake, a joint venture agreement would be formed.

Table 2.1 lists the claims that form the Mike Lake property with their current expiry and renewal periods. This report supports an application for a Certificate of Work for a number of claim groupings.

TABLE 2.1 - MIKE LAKE PROPERTY - CLAIM HOLDINGS

Tag Number	Claim Name	Expiry Date	Renewal Period	New Expiry Date
YB17448	LORRIE 1	12/31/98	5 yrs	12/31/2003
YB17449	LORRIE 2	12/31/98	5 yrs	12/31/2003
YB17450	LORRIE 3	12/31/98	5 yrs	12/31/2003
YB17451	LORRIE 4	12/31/98	5 yrs	12/31/2003
YB17909	LORRIE 5	12/31/98	5 yrs	12/31/2003
YB17910	LORRIE 6	12/31/98	5 yrs	12/31/2003
YB17911	LORRIE 7	12/31/98	5 yrs	12/31/2003
YB17912	LORRIE 8	12/31/98	5 yrs	12/31/2003
YB05584	LORRIE 9	12/31/98	5 yrs	12/31/2003
YB05585	LORRIE 10	12/31/98	5 yrs	12/31/2003
YB05586	LORRIE 11	12/31/98	5 yrs	12/31/2003
YB05587	LORRIE 12	12/31/98	5 yrs	12/31/2003
YB05588	LORRIE 13	12/31/98	5 yrs	12/31/2003
YB05589	LORRIE 14	12/31/98	5 yrs	12/31/2003
YB05590	LORRIE 15	12/31/98	5 yrs	12/31/2003

YB05591	LORRIE 16	12/31/98	5 yrs	12/31/2003
YB17913	LORRIE 17	12/31/98	5 yrs	12/31/2003
YB17916	LORRIE 20	12/31/98	5 yrs	12/31/2003
YB17917	LORRIE 21	12/31/98	5 yrs	12/31/2003
YB17918	LORRIE 22	12/31/98	5 yrs	12/31/2003
YB17919	LORRIE 23	12/31/98	5 yrs	12/31/2003
YB23265	LORRIE 24	12/31/98	5 yrs	12/31/2003
YB23266	LORRIE 25	12/31/98	5 yrs	12/31/2003
YB23267	LORRIE 26	12/31/98	5 yrs	12/31/2003
YB23268	LORRIE 27	12/31/98	5 yrs	12/31/2003
YB23269	LORRIE 28	12/31/98	5 yrs	12/31/2003
YB23270	LORRIE 29	12/31/98	5 yrs	12/31/2003
YB23271	LORRIE 30	12/31/98	5 yrs	12/31/2003
YB23272	LORRIE 31	12/31/98	5 yrs	12/31/2003
YB23273	LORRIE 32	12/31/98	5 yrs	12/31/2003
YB23274	LORRIE 33	12/31/98	5 yrs	12/31/2003
YB23275	LORRIE 34	12/31/98	5 yrs	12/31/2003
YB23276	LORRIE 35	12/31/98	5 yrs	12/31/2003
YB23277	LORRIE 36	12/31/98	5 yrs	12/31/2003
YB23278	LORRIE 37	12/31/98	5 yrs	12/31/2003
YB23279	LORRIE 38	12/31/98	5 yrs	12/31/2003
YB23280	LORRIE 39	12/31/98	5 yrs	12/31/2003
YB23281	LORRIE 40	12/31/98	5 yrs	12/31/2003
YB23282	LORRIE 41	12/31/98	5 yrs	12/31/2003
YB23283	LORRIE 42	12/31/98	5 yrs	12/31/2003
YB23284	LORRIE 43	12/31/98	5 yrs	12/31/2003
YB23285	LORRIE 44	12/31/98	5 yrs	12/31/2003
YB23286	LORRIE 45	12/31/98	5 yrs	12/31/2003
YB23287	LORRIE 46	12/31/98	5 yrs	12/31/2003
YB23288	LORRIE 47	12/31/98	5 yrs	12/31/2003
YB23289	LORRIE 48	12/31/98	5 yrs	12/31/2003
YB23290	LORRIE 49	12/31/98	5 yrs	12/31/2003
YB23291	LORRIE 50	12/31/98	5 yrs	12/31/2003
YB23292	LORRIE 51	12/31/98	5 yrs	12/31/2003
YB23293	LORRIE 52	12/31/98	5 yrs	12/31/2003
YB23294	LORRIE 53	12/31/98	5 yrs	12/31/2003
YB23295	LORRIE 54	12/31/98	5 yrs	12/31/2003
YB23296	LORRIE 55	12/31/98	5 yrs	12/31/2003
YB23297	LORRIE 56	12/31/98	5 yrs	12/31/2003
YB23299	LORRIE 80	12/31/98	5 yrs	12/31/2003
YB23300	LORRIE 81	12/31/98	5 yrs	12/31/2003
YB31145	LORRIE 101	12/31/98	5 yrs	12/31/2003
YB31146	LORRIE 102	12/31/98	5 yrs	12/31/2003
YB31147	LORRIE 103	12/31/98	5 yrs	12/31/2003
YB31148	LORRIE 104	12/31/98	5 yrs	12/31/2003
YB31149	LORRIE 105	12/31/98	5 yrs	12/31/2003
YB31150	LORRIE 106	12/31/98	5 yrs	12/31/2003
YB31151	LORRIE 107	12/31/98	5 yrs	12/31/2003
YB31152	LORRIE 108	12/31/98	5 yrs	12/31/2003
YB31153	LORRIE 109	12/31/98	5 yrs	12/31/2003

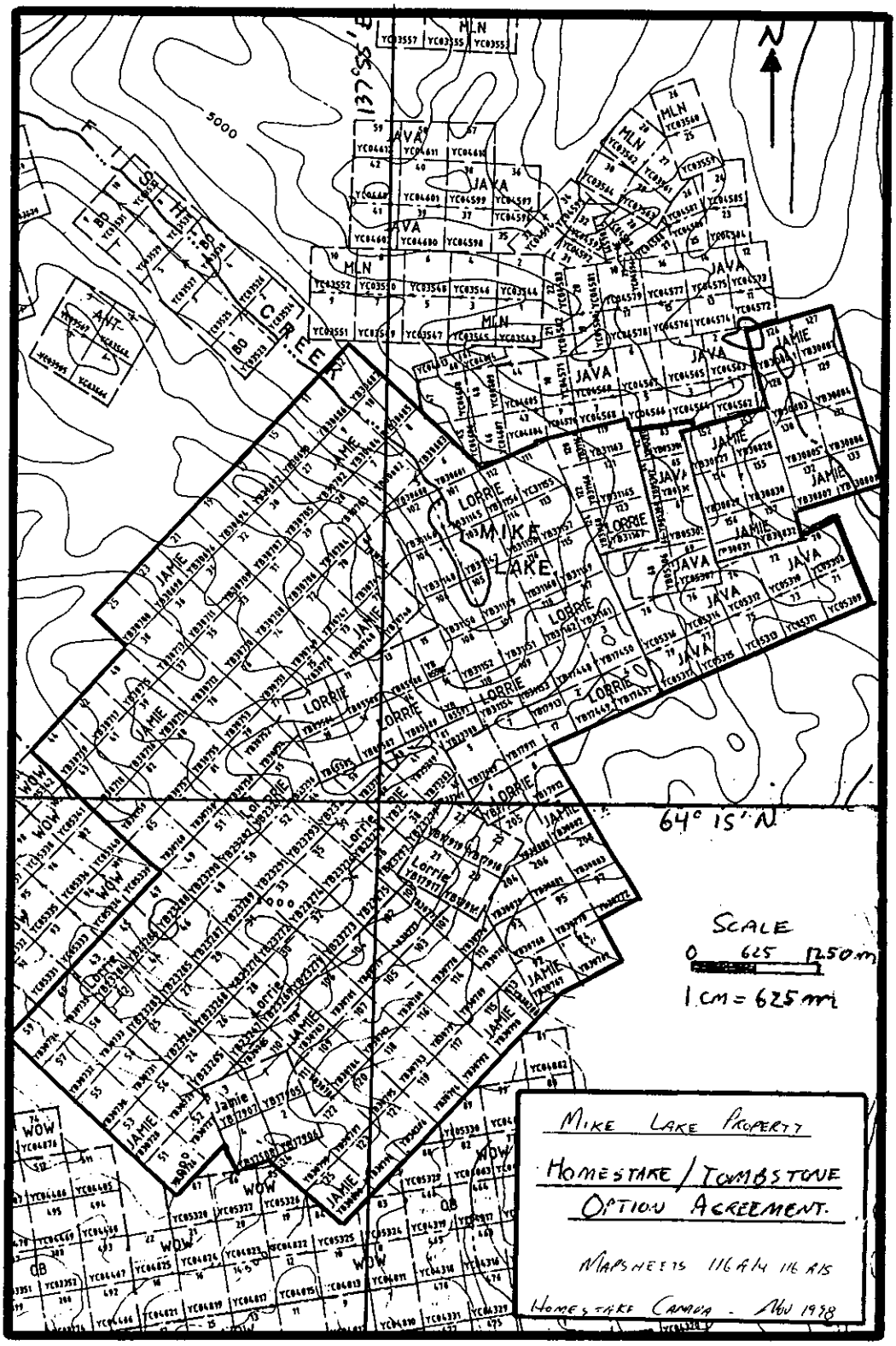
YB31154	LORRIE 110	12/31/98	5 yrs	12/31/2003
YB31155	LORRIE 111	12/31/98	5 yrs	12/31/2003
YB31156	LORRIE 112	12/31/98	5 yrs	12/31/2003
YB31157	LORRIE 113	12/31/98	5 yrs	12/31/2003
YB31158	LORRIE 114	12/31/98	5 yrs	12/31/2003
YB31159	LORRIE 115	12/31/98	5 yrs	12/31/2003
YB31160	LORRIE 116	12/31/98	5 yrs	12/31/2003
YB31161	LORRIE 117	12/31/98	5 yrs	12/31/2003
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YB31166	LORRIE 122	12/31/98	5 yrs	12/31/2003
YB31167	LORRIE 123	12/31/98	5 yrs	12/31/2003
YB31168	LORRIE 124	12/31/98	5 yrs	12/31/2003
YB17905	JAMIE 1	12/31/98	5 yrs	12/31/2003
YB17906	JAMIE 2	12/31/98	5 yrs	12/31/2003
YB17907	JAMIE 3	12/31/98	5 yrs	12/31/2003
YB17908	JAMIE 4	12/31/98	5 yrs	12/31/2003
YB30680	JAMIE 5	12/31/98	5 yrs	12/31/2003
YB30681	JAMIE 6	12/31/98	5 yrs	12/31/2003
YB30682	JAMIE 7	12/31/98	5 yrs	12/31/2003
YB30683	JAMIE 8	12/31/98	5 yrs	12/31/2003
YB30684	JAMIE 9	12/31/98	5 yrs	12/31/2003
YB30685	JAMIE 10	12/31/98	5 yrs	12/31/2003
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YB30687	JAMIE 12	12/31/98	5 yrs	12/31/2003
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YB30770	JAMIE 95	12/31/98	5 yrs	12/31/2003
YB30772	JAMIE 97	12/31/98	5 yrs	12/31/2003
YB30775	JAMIE 100	12/31/98	5 yrs	12/31/2003
YB30776	JAMIE 101	12/31/98	5 yrs	12/31/2003
YB30777	JAMIE 102	12/31/98	5 yrs	12/31/2003
YB30778	JAMIE 103	12/31/98	5 yrs	12/31/2003
YB30779	JAMIE 104	12/31/98	5 yrs	12/31/2003
YB30780	JAMIE 105	12/31/98	5 yrs	12/31/2003
YB30781	JAMIE 106	12/31/98	5 yrs	12/31/2003
YB30782	JAMIE 107	12/31/98	5 yrs	12/31/2003
YB30783	JAMIE 108	12/31/98	5 yrs	12/31/2003
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YB30790	JAMIE 115	12/31/98	5 yrs	12/31/2003
YB30791	JAMIE 116	12/31/98	5 yrs	12/31/2003

YB30792	JAMIE 117	12/31/98	5 yrs	12/31/2003
YB30793	JAMIE 118	12/31/98	5 yrs	12/31/2003
YB30794	JAMIE 119	12/31/98	5 yrs	12/31/2003
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YB30831	JAMIE 156	12/31/98	5 yrs	12/31/2003
YB30832	JAMIE 157	12/31/98	5 yrs	12/31/2003
YB30879	JAMIE 204	12/31/98	5 yrs	12/31/2003
YB30880	JAMIE 205	12/31/98	5 yrs	12/31/2003
YB30881	JAMIE 206	12/31/98	5 yrs	12/31/2003
YB30882	JAMIE 207	12/31/98	5 yrs	12/31/2003
YB30883	JAMIE 208	12/31/98	5 yrs	12/31/2003
YC05300	JAVA 62, FRACTION	10/6/98	5 yrs	10/6/2003
YC05301	JAVA 63, FRACTION	10/6/98	5 yrs	10/6/2003
YC05302	JAVA 64, FRACTION	10/6/98	5 yrs	10/6/2003
YC05303	JAVA 65, FRACTION	10/6/98	5 yrs	10/6/2003
YC05304	JAVA 66, FRACTION	10/6/98	5 yrs	10/6/2003
YC05305	JAVA 67, FRACTION	10/6/98	5 yrs	10/6/2003
YC05306	JAVA 68, FRACTION	10/6/98	5 yrs	10/6/2003
YC05307	JAVA 69, FRACTION	10/6/98	5 yrs	10/6/2003
YC05308	JAVA 70	10/6/98	3 yrs	10/6/2001
YC05309	JAVA 71	10/6/98	3 yrs	10/6/2001
YC05310	JAVA 72	10/6/98	3 yrs	10/6/2001
YC05311	JAVA 73	10/6/98	3 yrs	10/6/2001
YC05312	JAVA 74	10/6/98	3 yrs	10/6/2001
YC05313	JAVA 75	10/6/98	3 yrs	10/6/2001
YC05314	JAVA 76	10/6/98	3 yrs	10/6/2001
YC05315	JAVA 77	10/6/98	3 yrs	10/6/2001
YC05316	JAVA 78	10/6/98	3 yrs	10/6/2001
YC05317	JAVA 79	10/6/98	3 yrs	10/6/2001
Data as of November 18, 1998				

Note: Expiry dates shown are subject to approval of the 1998 Assessment Report.

FIGURE 2.1 - CLAIM MAP



3.0 GEOLOGY

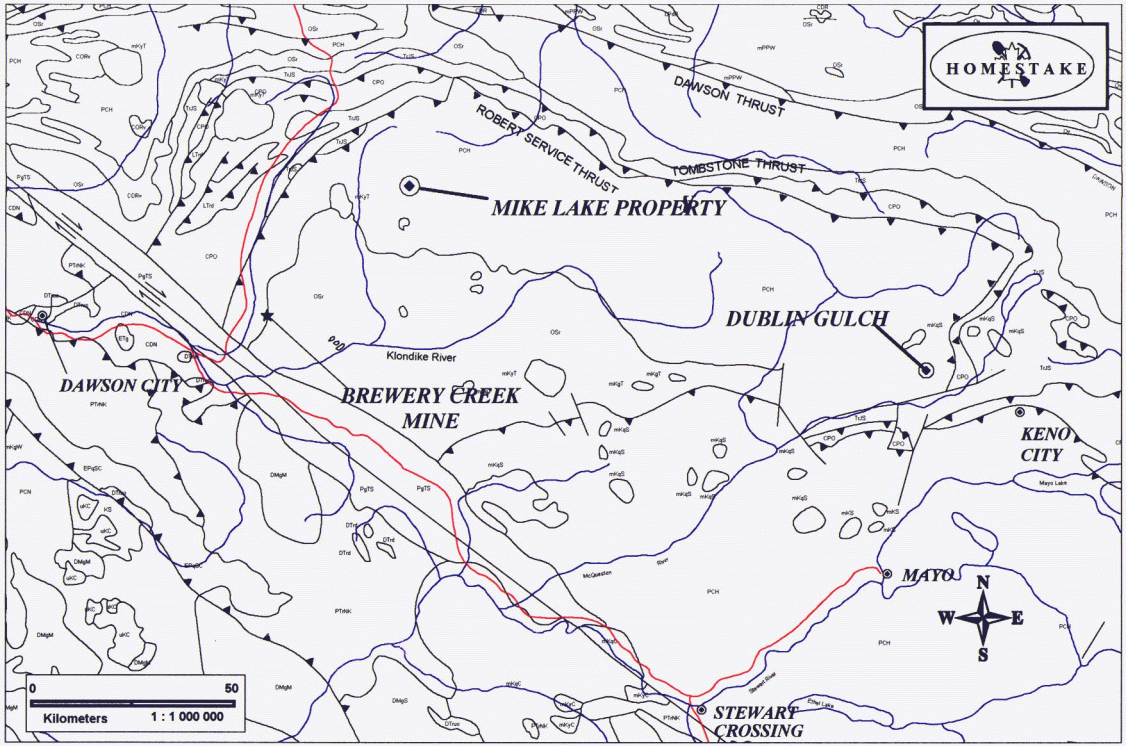
3.1 REGIONAL GEOLOGY

The Mike Lake property is situated within the eastern Selwyn Basin, southwest of the Mackenzie Platform, and within the Omineca Belt of the Canadian Cordillera. The regional geology has been described and mapped at 1:250,000 scale by Green (1972) and Tempelman-Kluit (1980). The Mackenzie Platform consists of a sequence of Middle Proterozoic to Middle Paleozoic carbonate and clastic sedimentary and volcanic rocks which were deposited on a subsiding continental shelf. The Selwyn Basin is comprised of a package of Late Proterozoic to Jurassic sedimentary rocks deposited in a deeper basin off the western margin of the platform. The area is bounded to the south by the northwest striking, steeply dipping Tintina Fault, which separates the Selwyn Basin rocks from highly sheared and metamorphosed rocks of the Yukon-Tanana Terrain. Selwyn Basin rocks northeast of the Tintina Trench were displaced by three regionally extensive thrust sheets known as the Robert Service, Tombstone and Dawson Thrusts (Figure 3.1). The northerly to northwesterly directed thrusting occurred during the Jura-Cretaceous compressional tectonic event and resulted in Proterozoic aged rocks being thrust over Devonian to Late Jurassic strata. The sub-parallel thrust faults have been mapped on surface and extend in a northwesterly arc from the Keno Hill area to Dawson City.

The stratigraphic sequence in the region is dominated by rocks of the Hyland, Road River and Earn Groups (Figure 3.1). The Late Proterozoic-Early Cambrian Hyland Group is a thick sequence of maroon and green shale, calcareous sandstone, grit, and quartz pebble conglomerate (Abbot, 1992 and Gordey, 1993). The Ordovician to Lower Devonian Road River Group consists primarily of interbedded black chert and argillite, with minor quartzite. The lithology of the Earn Group (Devonian-Mississippian) is a variable mix of black shale, greywacke and chert pebble conglomerate. A narrow, northwesterly trending belt of Keno Hill Quartzite (Mississippian) and Jurassic Schist is also exposed in the basal plate of the Robert Service Thrust.

Numerous granitic to syenitic stocks, dykes, and sills which comprise the 92 Ma Tombstone Plutonic Suite are distributed across the southern portion of the Selwyn Basin. The intrusions occur in a belt parallel to, and approximately 45 kilometers east of, the Tintina Fault. It is thought that the Tombstone Plutonic Suite was emplaced during the late stages of the Jura-Cretaceous tectonism. Typically they are rimmed by a contact metamorphic aureole up to 1 km wide. The biotite hornfels alteration, which displays a strong positive magnetic signature, is iron rich and often associated with base and precious metals.

A gabbroic suite of intrusions, Triassic in age, (Mortensen and Thompson, 1990) has also been mapped in the area. The intrusions are typically sill-like and most commonly occur in the Keno Hill Quartzite unit.



LEGEND

Rock Units

(Rock units between Tintina Trench and Dawson Thrust)

Cretaceous	mK	Tombstone Plutonic Suite
Triassic and Jurassic	TrJs	Lower Schist
Carboniferous and Permian	CPo	Keno Hill Quartzite
Ordovician - Silurian	OSr	Road River Group
Upper Proterozoic - Lower Paleozoic	PCH	Hyland Group

Symbols

- Road
- Major River
- Townsite
- Thrust Fault
- Strike Slip Fault

FIGURE 3.1: MIKE LAKE PROPERTY REGIONAL GEOLOGY

HOMESTAKE CANADA INC.
DAWSON AND MAYO MINING DISTRICTS
1 : 1 000 000
NOVEMBER 1998

GEOLOGY MODIFIED FROM WHEELER AND MCFEELY, 1991

3.2 REGIONAL MINERALIZATION

The Omineca Belt displays the greatest diversity of metal occurrences in the Canadian Cordillera. Deposit type and distribution is quite variable but includes vein, porphyry, skarn, stratiform, and volcanogenic massive sulphide deposits. Metals that characterize the belt include Pb, Ag, Zn and Au (Sinclair et al, 1978).

The Selwyn Basin is host to a variety of deposits. Large stratiform, shale-hosted, sedimentary-exhalative Zn-Pb deposits occur within the Anvil and Howards Pass districts. The districts occupy linear belts on opposite sides of the basin, and include the Faro, Grum, Vangorda, Dy and Tom deposits with total geological reserves (before mining) of 130 million tons grading 3.7% lead, 5.6% zinc and 40 g/t silver.

Skarn and replacement deposits are most commonly localized where mid-Cretaceous granitic plutons of the Selwyn, Cassiar and Tombstone suites intrude carbonate sequences or calcareous units within the Selwyn Basin. Styles of mineralization include gold-bismuth-arsenopyrite in sheeted quartz veins and disseminations within the intrusions (Fort Knox style), tin-tungsten skarns, copper-gold skarns, silver-lead-zinc veins, and silver-lead-antimony veins. A strong Au, As, Bi, Sb, Hg and Pb geochemical signature characterize the intrusions and their alteration aureoles.

The Tombstone Plutonic Suite (TPS), which extends from Dawson City down through the Keno Hill district, is related to several active exploration targets in the area including Clear Creek, Red Mountain, Scheelite Dome, Brewery Creek and Dublin Gulch. The Brewery Creek deposit, located 25 km southwest of Mike Lake, is currently in production and contains an estimated resource of 18.9 million tonnes grading 1.42 g/t Au. Dublin Gulch, located 100 km east of Mike Lake, is currently in the permitting stage and contains approximately 50 million tonnes grading 0.93 g/t Au.

3.3 PROPERTY GEOLOGY AND MINERALIZATION

Stratigraphy

The Mike Lake property straddles a transition zone between Upper Proterozoic-Lower Paleozoic Hyland Group sedimentary rocks and strata of the Cambrian to Lower Devonian Road River Group.

Hyland Group sediments include quartzite and siltstone of the Yusezyu Formation and thick shale intervals of the Narchilla Formation. The quartzite is thin to medium bedded, fine to medium grained, and displays light grey to orange weathering. The lesser siltstone ranges from light grey to dark brown weathering and is generally soft and thinly laminated. Occasional rusty weathering, gritty quartzite and quartz pebble conglomerate beds occur within the package. The Narchilla shale is green and maroon colored and

outcrops extensively beyond the northern boundary of the property. Only minor shale outcrops within the actual boundaries of the Mike Lake property. The northern portion of the property is underlain by a thick sequence of sandstone/siltstone which is interpreted as the Cambrian aged Gull Lake Formation.

The Late Cambrian to Middle Ordivician Rabbitkettle Formation is spatially the most abundant stratigraphic sequence on the Mike Lake property. It is comprised of calcareous phyllite with siltstone and argillite interbeds and rare conglomerate/breccia beds. The phyllite varies from oolitic limestone to calcareous siltstone and typically displays well developed, thinly laminated bedding/cleavage. Hornfelsing and calc-silicate alteration are common, resulting in a white weathering, thinly banded, fine-grained siliceous sediment. These light colored, altered sediments are very resistant and cap several ridges in the Mike Lake area. The argillaceous rocks occur as thick interbeds within the phyllite sequence. They are generally fine grained, hard and typically rusty weathering due to finely disseminated pyrite/pyrrhotite mineralization. The depositional setting for the Rabbitkettle Formation is believed to be a quiet water, off-shelf setting and the rare breccia/conglomerate units and slump folds appear to be a result of occasional slope debris flows within the formation. .

Sediments of the Road River Group outcrop south of the Mike Lake property. The thick sequence of black and brown argillite, with lesser black and grey chert, dark siltstone and limestone extends towards and beyond the Brewery Creek property, 25 km southwest of Mike Lake. The package is generally recessive with resistant chert-rich sections typically forming ridge crests and spurs.

Table 3.3 – Stratigraphic column for Mike Lake Property

Age	Formation	Description
Devonian–Mississippian	Earn Group	Phyllite, siltstone, sandstone, chert pebble conglomerate
Ordivician–Silurian	Road River Group –Steel Formation –Duo Lake Formation	 –Dolomitic siltstone to sandstone –Grey to black shale and chert
Upper Cambrian–Ordivician	Rabbitkettle Formation	Calcareous phyllite and marble
Cambrian	Gull Lake Formation	Calcareous siltstone/sandstone
Upper Proterozoic–Lower Cambrian	Hyland Group –Narchilla Formation –Yusezyu Formation	 –Green and maroon phyllite, marble and sandstone –Pebbly sandstone, sandstone, pebbly conglomerate and phyllite

Intrusive Rocks

Three large (~1 km^2) Tombstone Plutonic Suite stocks and numerous smaller plugs, dykes, and sills have intruded the Mike Lake area. The Mike Lake property is centered on the stocks which are aligned at azimuth 030 and have diameters in the 1-2 km range.

The stocks are medium to coarse-grained, white to dark grey, equigranular to strongly porphyritic syenite. Modal composition is 60% subhedral orthoclase, 25% mafic minerals, 15% plagioclase and 5% quartz (Barrette, 1982). The syenitic dykes/sills are fine to medium-grained and have widths ranging from 0.5 meters to 10 meters. Orientations are predominantly northeast-southwest and east-west. The dykes/sills are interpreted as late stage, quartz and volatile-rich equivalents of the stocks and are often proximal to zones of sulphide mineralization. Fluid inclusions studies confirm they are highly metalliferous (high Cu, Pb, Zn) relative to other stocks within the TPS belt. (J.K. Mortensen pers.com). The metamorphic mineral assemblage developed within the contact aureoles and the occasional miarolitic cavity are indicative of a low pressure, shallow level of emplacement.

Lamprophyre dykes ranging from 1-5 meters in thickness outcrop in the northeast corner of the property. The dykes are typically light grey weathering, calcareous and biotite-rich. Gabbroic intrusions, believed to be Triassic in age, outcrop also outcrop extensively in the southwest corner of the property.

Structure

Bedding measurements in the area are fairly consistent. Strikes average 100-130° and dips typically range from 30-60° south. Brittle and ductile deformation of the sediments is common, particularly adjacent to the intrusives. Upright to overturned isoclinal folding is often visible on the steep, north-facing slopes the result of local, northwest-directed, thrusting of the stratigraphic sequence. Most of the larger scale fault/fracture zones strike east-west and are steeply dipping. These structures appear to have controlled emplacement of some of the dykes/sills but more commonly host mineralized quartz carbonate veins. Property wide jointing and fracturing, with a general orientation of 035 to 055 degrees also appears to have controlled emplacement of some dykes.

Contact Metamorphism

Hornfels alteration is widespread in the Mike Lake area, a result of thermal metamorphism from the emplacement of the stocks. Argillaceous rocks within the metamorphic aureole display pervasive biotite development and disseminated pyrrhotite/pyrite mineralization, creating the large scale rusty alteration haloes that characterize the area.

Contact skarns occur where syenite stocks have intruded calcareous Rabbitkettle Formation sediments. The skarn assemblage includes quartz, diopside, calcite, actinolite, tremolite/wollastonite and some garnet. The alteration minerals often occur as a fine grained calc-silicate assemblage with zones of coarse actinolite, tremolite and garnet. Erratic sulphide mineralization, predominantly pyrrhotite, pyrite, arsenopyrite and chalcopyrite, occur as disseminations and lenses within the skarns. Metasomatic and thermal alteration quickly weakens away from the stocks and dykes, with the coarse calc-silicate alteration grading into a fine grained, siliceous, potassic, pinkish to pale green package and finally into unaltered sediments.

The syenites themselves are typically fresh with minor phyllic alteration. Moderate sericite alteration is associated with the late stage, fine grained, aplitic dykes/sills.

Quartz-carbonate alteration occurs within some of the steeply dipping, east-west trending fault/fracture zones which extend through the Mike Lake area. The alteration is typically confined to the actual structure, with only minor peripheral wallrock alteration. Stringers, veinlets, and disseminated sulphide mineralization are commonly associated with the alteration.

Mineralization

Four main styles of mineralization occur in the Mike Lake area:

1) Disseminated to massive arsenopyrite, pyrite and chalcopyrite in porous and/or reactive quartzite and calcareous grit beds within Hyland Group strata. The best mineralization occurs within skarn replacement lenses and strongly silicified zones. The Java horizon fall into this category. This 2-10 meter thick calcareous grit/limestone conglomerate bed has been traced over a 1.5 kilometer strike length and contains numerous skarn lenses and silicified zones hosting significant sulphide mineralization. The North Vein displays similar styles of alteration and mineralization.

2) Disseminated to massive sulphide lenses and veining hosted in quartz-carbonate altered shear/fracture zones. The larger east-west structures extending through the central portion of the property commonly host quartz-carbonate veins with sulphide mineralization (primarily disseminated arsenopyrite and pyrite). Similar shear zones found near the outer limits of the alteration aureoles tend to be carbonate-rich and are mineralized with pyrite, sphalerite and galena. The Birdie-Bindie zone is an example of this style of mineralization.

3) Pyrrhotite and chalcopyrite with lesser arsenopyrite/pyrite mineralization hosted in calc-silicate skarns. The mineralization occurs as disseminations, pods and lenses. This style of mineralization can be observed where intrusives cross-cut the calcareous Rabbitkettle Formation and is best developed on Skarn Ridge, southwest of the Mike Lake stock.

4) Intrusive-hosted quartz-sulphide veins primarily composed of quartz with arsenopyrite and/or chalcopyrite and pyrrhotite. This style mineralization has been observed in the Anvil Lake and Mike Lake stocks. Vein width typically vary from 1-10 cm, and orientations are typically east-west.

4.0 1998 FIELD PROGRAM

The Mike Lake project was worked by a three to four person crew from June 2-Sept 26 1998. The program involved geological mapping, reconnaissance soil and rock sampling,

two large soil grids, a Max-Min geophysical survey, an aeromagnetic survey and blast trenching. The primary focus of the program was to investigate the 8 target areas identified from a pre-season compilation of the 1200 soil and rock sample assays collected by Tombstone Explorations and by Placer Dome Explorations in 1990 and 1991 (Appendix III - 1998 Java Program Outline) and to locate new zones of mineralization that may have been overlooked by previous operators. For the first time in its history, the property was systematically explored using gridded soil and geophysical surveys. This approach led to the discovery of a gold/copper zone on Skarn Ridge and identified several other targets which warrant additional work.

4.1 MAPPING AND SAMPLING PROGRAM

The Mike Lake property was mapped at 1:10,000 scale (Figure 5.1 - in pocket) with detailed mapping completed in the area of the North Vein trenches and on Skarn Ridge. A total of 386 grab samples and 212 soil samples were collected during mapping traverses. Sample locations were determined using a hand held GPS unit, or by using topographic features and claim posts as location references. Sample locations are shown on Figure 5.2 (in pocket).

Two separate soil grids were established in the North Vein valley (North Grid) and Skarn Ridge valley (South Grid). A combined total of 820 soil samples were collected from the grids. (See Figure 5.31 and 5.32 - in pocket)

Sample descriptions and location coordinates for the 1998 program are tabulated in Appendix I.

4.2 GEOPHYSICAL SURVEYS

Two separate geophysical surveys were completed during the field season. Amerok Geophysical was contracted to complete a MaxMin survey over portions of the North and South soil grids. Results from the survey are contained in Appendix V. On the South Grid, the survey targeted a strong soil geochemical anomaly on Skarn Ridge. On the North Grid, the survey was used to delineate possible extensions of the North Vein and Pebble Zone. A total of 18 line km of surveying was completed between June 15 and June 19,1998.

Later in the season, Geoterrex-Dighem carried out an airborne survey over the entire property. Total coverage of the survey block amounted to 538 line kms at 250 m spacing. The purpose of the survey was to detect and delineate magnetic and electromagnetic features and to provide information that could be used to map the geology and structure of the property. A DIGHEM multi-coil, multi frequency electromagnetic system, supplemented by a high sensitivity cesium magnetometer was used in the survey, which was flown from August 30th to September 2, 1998

4.3 TRENCHING

Blast trenching was undertaken on Skarn Ridge and the North Vein. Trenching on Skarn Ridge targeted a soil geochemical anomaly with values up to 2060 ppb Au and coincident MaxMin conductors. A total of eight trenches were attempted in this area but only four of the trenches successfully exposed bedrock. A total of 118 chip samples were taken from the trenches. A single trench was blasted at the North Vein but failed to expose bedrock. This trench was completed in the same area as earlier trenches but encountered permafrost 2m below surface.

4.2 ANALYTICAL METHOD

All of the samples collected were submitted to IPL Laboratories in Vancouver for sample preparation and analysis. Rock samples are crushed to -10 mesh, split into a 250 gram sample and pulverized to 90% -150 mesh. Soil samples are dried and sieved to -80 mesh. A 30 gram portion of the rock/soil sample is then analyzed for gold using the standard Fire Assay method with an A.A. finish. Assays over 1000 ppb Au were re-tested by fire assay with a gravimetric finish. A 30 element I.C.P. analysis was also completed for each sample.

5.0 RESULTS

5.1 TARGET EVALUATIONS

Eight target areas were identified in the pre-season compilation (see Appendix III – 1998 Java Program Outline). Results for each target area are summarized as follows:

1) Pebble Zone/North Vein (target #1): The subparallel grit beds display similar styles of alteration and mineralization and are separated by the Pebble Fault. Anomalous geochemistry east of the showings (contour line soils up to 474 ppb Au and rocks up to 790ppb Au) coincides with eastern projections of the North Vein and Pebble Fault but the values appear to be associated with weak and sporadic mineralization. No further work is warranted to the east of the main showings.

A coincident gold in soil anomaly and MaxMin conductor immediately west and on strike with the North Vein showing strongly suggest the mineralized bed extends a minimum of 500 m west of the showings. A deep trench blasted in the area of the historical trenches failed to expose bedrock so the actual thickness of the bed remains unknown although exposure to the east suggest 2-5 meters. Diamond drilling is required to effectively test the western and down-dip projections of the North Vein showings.

The Pebble Zone was not extended by the MaxMin survey but this may be a result of very thick talus cover west of the showing. Values up to 1.45g/t over 4.1 m and 3.75 g/t over 2.2 m were obtained from hand trenches over the showing. Detailed mapping in the area of the showing suggest that the south dipping unit is mineralized updip from a cross-cutting, north dipping syenitic dyke. A single drill hole is recommended to test the down

dip projection of the bed, proximal to its projected intersection with the east-west striking Pebble Fault.

2) Bev Zone (Target #2): The showing was sampled and returned erratic, low gold values up to 645 ppb Au and 0.5% copper from a massive pyrrhotite/chalcopyrite grab sample. The massive to disseminated pyrrhotite/arsenopyrite/pyrite mineralization is confined to a narrow (1 m thick) limestone unit within a folded argillite/siltstone package. The tightly folded anticline is crosscut by several syenite dykes but appears to be of limited extent. No further work is recommended for this showing.

3) Phone Zone (Target #3): This target was not investigated in the 1998 season. The zone outcrops as a small gossan near the peak of a steep ridge overlooking Skarn Valley. Moderate copper/arsenic values and weak gold values were obtained in contour line soils at the base of the ridge but the actual gossan has not been sampled. A small aeromagnetic anomaly coincides with the gossan confirming the presence of sulphides. The zone cannot be accessed for sampling but appears to be limited in size. No further work is recommended for this target.

4) Skarn Ridge/Rubble Lake (Target #4): A zone of metasomatic alteration and sulphide mineralization was discovered on Skarn Ridge. The zone, which measures approximately 700m by 1000m, is crosscut by several strong MaxMin conductors and characterized by anomalous Au/As/Cu/Bi geochemistry. Values up to 387.5g/t Au were obtained in grab rock samples and 2.0g/t Au in soil samples. Talus cover continues to hamper efforts to fully understand the mineralizing controls on the ridge. Diamond drilling is required to test the extent of the mineralization and alteration on the ridge.

5) Lorrie Lake Cirque (Target #5): A small syenite stock underlies the cirque. Grab samples of mineralized float returned anomalous arsenic and copper values but only weak gold values. No significant geophysical anomaly was detected by the airborne survey. The source of the mineralized float is probably a small sulphide lense and no further work is warranted on this target.

6) Southeast Zone (Target #6): Placer Explorations obtained several anomalous Au values (up to 1673 ppb Au) from a soil contour line and a single grab which returned 4138 ppb Au and 1.4% As. A duplicate soil line completed in the 1998 field season failed to duplicate the geochemical signature and no mineralization or alteration was noted in the field. The only explanation is that the samples are incorrectly plotted on the Placer map and the soil line is probably located 500 m to the south, coincident with a strong EM conductor identified from the 1998 aeromagnetic survey. Follow up work is warranted to determine if the conductors correlate with mineralized structures in this area.

7) Southwest Zone and Birdie/Bindie Zone (Target # 7 and Target #8): Previous operators obtained moderate gold and arsenic values from soil and silt samples taken in this area. Soil samples results from the 1998 season returned gold values up to 440 ppb. The values are peripheral to a small stock in the area but the source of the anomaly is probably the east-west striking Birdie/Bindie structure which host erratic quartz-carbonate-sulphide veining over a strike length of 1000m. The vertical structure is

located near the southern boundary of the property and could represent an important feeder structure in the area. Additional work is warranted.

5.2 MAPPING/SAMPLING PROGRAM

Property Scale Mapping

Stratigraphic and structural mapping confirmed that the northern portion of the Mike Lake area is underlain by siliciclastic rocks of the Hyland Group and the southern portion is underlain by calcareous phyllites and argillites of the Rabbitkettle Formation. (Figure 5.1-in pocket). The contact between these two packages appears to be conformable and is defined by a thick unit of argillite/siltstone with minor shale near Mike Lake. On the southern half of the property, the Rabbitkettle Formation comprises at least four separate sequences of calcareous phyllite and argillite with rare limestone conglomerate units. Using the conglomerate bed as a marker horizon, it appears unlikely that the calc phyllite intervals are structurally repeated. Instead, the stratigraphic section appears to be intact with small offsets resulting from property minor scale thrusting.

The structural data suggests that both the northern and southern regions of the property have similar deformation styles. The mean bedding plane on the property strikes 110 and dips 38 to the southwest. The S1 foliation is poorly developed and is parallel to the axial planes of most folds on the property. The mean axial plane strikes 109 and dips 42 to the southwest but the orientations of the fold axes are generally quite variable. Most of the folding appears to be thrust related and there is no evidence of a property scale anticline-syncline pair. The variation in fold axis orientation, combined with the unfolded bedding and axial plane data suggests that deformation was caused by two separate thrusting events that have northeast and northwest vergence. Tight to isoclinal folds up to 100 m in amplitude occur in the footwall and hanging wall of these thrusts.

Skarn Ridge Mapping

The stratigraphic section on Skarn Ridge is dominated by an interbedded sequence of argillite, siltstone and calc-phyllites. The package appears to be a transitional zone from a massive argillite sequence exposed along the base of the north slope of Skarn Ridge into a thick overlying calcareous phyllite sequence outcropping on the east-west trending ridge immediately south of Skarn Ridge. Alteration on Skarn Ridge is pervasive and is predominantly a biotite and calc-silicate hornfels. Metasomatic alteration appears to be confined to the thinly laminated carbonate interbeds, and is best developed where the carbonate protolith is oolitic. The oolitic nature of specific interbeds appears to have enhanced primary porosity of the host rock which significantly increased fluid migration through the package and resulted in a well developed skarn assemblage which includes quartz-pyroxene-actinolite-tremolite with chalcopyrite/pyrrhotite/arsenopyrite mineralization.

Bedding on Skarn Ridge is fairly consistent with strike measurements in the 120-150 range and dips ranging from 5-20 degrees to the south. The relatively flat lying beds

daylight on the steep north-facing slope and on the moderately dipping (35 degrees) south-facing slope. Moderate, thrust related folds can be seen on the north face of Skarn Ridge (above Rubble Lake).

Several syenitic dykes were mapped on the south slope of Skarn Ridge and these can be seen cutting through the steep north face of the ridge. The dykes are generally oriented at azimuth 040 to 060 with a steep easterly dip (060-080) and an average thickness of 3-8 meters. The dykes are concentrated within a 500 m wide corridor which coincides with a large, deep draw on the south slope of Skarn Ridge. Several sill-like syenite bodies also subcrop on the slope.

A distinct gabbroic phase has also been mapped on the ridge and outcrops extensively near the western perimeter of Skarn Ridge. This intrusive suite is believed to be Triassic in age and has been observed to be crosscut by younger Tombstone Suite syenite dykes.

The third and youngest suite on the ridge is a biotite porphyry with a pale green siliceous groundmass. Typically, the porphyry occurs as narrow east-west trending dykes with southerly dips.

North Vein Mapping

The North Vein is poorly exposed but the area is generally underlain by a quartzite-siltstone package which has been intruded by multiple syenitic dykes. Bedding strike measurements range from 088-110 with steep dips averaging 60 degrees south. The "vein", which is actually a silicified quartz grit/limestone conglomerate bed, subcrops in a series of old trenches and appears to have a minimum strike length of 150m based on subcrop and float. It is best described as a quartz-actinolite-pyroxene-sulphide replacement zone with disseminated to massive arsenopyrite, pyrrhotite and pyrite.

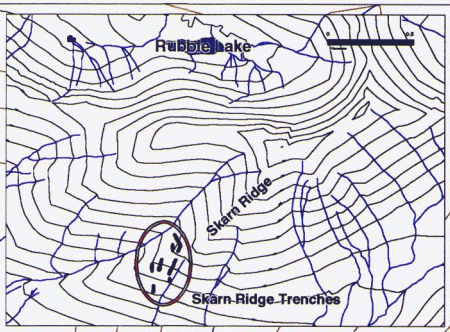
Two east-west trending syenite dykes which subcrop immediately south of the trenches should intersect the south dipping clastic unit at depth. The grit bed is also intersected by NNE striking syenite dykes a few hundred meters west of the North Vein trenches. Mineralization definitely weakens away from the intersecting dykes suggesting they are genetically related to the alteration and mineralization.

5.3 TRENCHING/SAMPLING PROGRAM

Results from the trenching program are tabulated in Table 5.1. Trench locations are displayed in Figure 5.1. Four (T1, T4, T6 and T8) of the eight trenches blasted on Skarn Ridge exposed bedrock for sampling. The remaining trenches encountered thick talus cover and failed to expose the underlying bedrock. A 10–20 meter (true thickness) thick, shallow dipping skarn assemblage was exposed and chip sampled. The sediments typically strike 120 and dip at 5-20 degrees to the south and consist of a quartz-calcite-diopside-tremolite-actinolite assemblage. Thick intervals of sulphide mineralization (1-10% cpy/po/aspy) were encountered. The skarn alteration and sulphide mineralization are spatially and genetically associated with several northeast trending syenite dykes

which extend through Skarn Ridge. Generally, alteration and mineralization is strongest on the hanging wall side of the easterly dipping dykes. The zone of alteration and mineralization is confined to the area east of line 300w(South Grid) where a northwest striking syenite dyke marks the western limits of the skarn and mineralization.

A total of 118 chip samples were collected from the trenches. Best intervals include 14.5 g/t Au over 6.0 m from Trench # 1 and 2.54 g/t Au over 12.0 m from Trench #4. Gold values generally display a good correlation with chalcopyrite and a weak correlation with arsenopyrite on Skarn Ridge (see correlation plots - Appendix IV). Strong copper values were obtained from the trenches. Best copper values include 5084 ppm (0.51%) Cu over 28 m from Trench #4 and 4213 ppm (0.42%) Cu over 61m from Trench #1. The highest copper/ gold values are contained within an oolitic protolith where chalcopyrite/pyrrhotite and arsenopyrite mineralization has replaced much of the matrix. (Trench#4) Geology was surprisingly variable in the trenches ranging from massive actinolite-tremolite replacement zones to weakly altered calcareous sediments hosting disseminated sulphide mineralization.



Trench 6

N

Trench 7

7128300
357600

7128300
357800

Trench 2

Trench 8

Trench 1

Trench 5

Trench 4

0 0.125
Kilometers

HOMESTAKE CANADA INC.

Figure 5.1

Mike Lake - Skarn Ridge
1998 Trenches

Dawson Mining District

Nad 83 Zone 8			December 1998

TABLE 5.1 - 1998 TRENCH SAMPLING RESULTS

Trench #	Sample #	Interval (meters)	Length (meters)	Au (ppb)	Cu (ppm)
1	24446	0-1	1	260	8361
1	24447	1-2	1	274	1623
1	24448	2-3	1	60	1867
1	24449	3-4	1	60	2052
1	24450	4-5	1	28	670
1	24451	5-6	1	36	550
1	24361	6-9	3	360	11056
1	24362	9-12	3	20	1070
1	24363	12-15	3	28000	1376
1	24364	15-18	3	1020	2250
1	24365	18-21	3	350	4026
1	24366	21-24	3	28	824
1	24367	24-27	3	40	1698
1	24368	27-29	2	112	3939
1	24369	29-31	2	42	1452
1	24370	31-33	2	17	3076
1	24371	33-35	2	7	1436
1	24372	35-37	2	42	2922
1	24373	37-39	2	120	7535
1	24374	39-41	2	88	2510
1	24375	41-43	2	12	1184
1	24376	43-45	2	162	17308
1	24377	45-47	2	62	9574
1	24378	47-49	2	54	12614
1	24379	49-51	2	107	5905
1	24380	51-53	2	138	8494
1	24381	53-55	2	2	1430
1	24382	55-57	2	46	3307
1	24383	57-59	2	1	2372
1	24384	59-61	2	20	2433
4	8942	0-1	1	4630	3489
4	8941	1-2	1	1570	2652
4	8940	2-3	1	920	2292
4	8939	3-4	1	372	2474
4	8938	4-5	1	290	2591
4	8937	5-6	1	350	4727
4	8936	6-7	1	236	2184
4	8935	7-8	1	139	5075
4	8934	8-9	1	192	6129
4	8933	9-10	1	230	14239
4	8932	10-11	1	180	5554
4	8931	11-12	1	92	2088
4	8930	12-13	1	538	5726
4	8929	13-14	1	170	5827
4	8928	14-15	1	696	11827
4	8927	15-16	1	630	8150
4	8926	16-17	1	1330	5875
4	8925	17-18	1	1000	6013
4	8923	18-19	1	2700	2280
4	8922	19-20	1	1470	4584
4	8921	20-21	1	2800	6663
4	24394	21-22	1	2060	5100
4	24393	22-23	1	3000	10373
4	24392	23-24	1	6200	7897
4	24391	24-25	1	980	1907
4	24390	25-26	1	6000	4301
4	24389	26-27	1	3850	1217
4	24388	27-28	1	1160	1142

TABLE 5.1(CONT'D) - 1998 TRENCH SAMPLING RESULTS

Trench #	Sample #	Interval (meters)	Length (meters)	Au (ppb)	Cu (ppm)
6	24404	0-1.5	1.5	168	807
6	24405	1.5-3	1.5	200	380
6	24406	3-3.5	1.5	76	478
6	24407	4.5-6	1.5	170	309
6	24408	6-7.5	1.5	540	437
6	24409	7.5-9	1.5	383	257
6	24410	9-10.5	1.5	100	197
6	24411	10.5-12	1.5	357	282
6	24412	12-13.5	1.5	282	854
6	24413	13.5-15	1.5	406	1489
6	24414	15-16.5	1.5	230	430
6	24415	16.5-18	1.5	518	465
6	24416	18-19.5	1.5	860	706
6	24417	19.5-21	1.5	750	463
6	24418	21-22	1	2800	534
6	24419	22-23	1	220	486
6	24420	23-24	1	5500	1957
6	24421	24-25	1	120	560
6	24422	25-26	1	486	861
6	24423	26-27	1	30	1015
6	24424	27-28	1	390	682
6	24425	28-29	1	160	443
6	24426	29-30	1	179	304
6	24427	30-31	1	447	505
6	24428	31-32	1	2300	322
6	24429	32-33	1	134	228
6	24430	33-34	1	246	389
6	24431	34-35	1	200	275
6	24432	35-36	1	159	271
6	24433	36-37	1	250	98
8	24455	0-1	1	18	651
8	24456	1-2	1	40	581
8	24457	2-3	1	10	125
8	24458	3-4	1	22	630
8	24459	4-5	1	17	1145
8	24460	5-6	1	9	470
8	24461	6-7	1	10	319
8	24462	7-8	1	16	615
8	24463	8-9	1	n/s	-
8	24464	9-10	1	2	273
8	24465	10-11	1	316	373
8	24466	11-12	1	20	3900
8	24467	12-13	1	129	1021
8	24468	13-14	1	16	2043
8	24469	14-15	1	21	676
8	24470	15-16	1	36	1467
8	24471	16-17	1	21	1014
8	24472	17-18	1	146	348

5.4 GEOPHYSICAL PROGRAM

Results from the Dighem airborne survey were evaluated and interpreted by Jerry Roth (geophysical consultant, Stratagex Geophysical Consulting). The report prepared by J. Roth is presented in Appendix VII. Roth identified 6 separate magnetic domains on the property which very loosely correlate with known surficial geology. He also identified 13 EM conductors which merit follow-up work, with five designated high priority because of their discrete character and strong association with a similarly discrete magnetic source.

A magnetic high/resistivity low at the north end of Mike Lake appears to be the most significant anomaly detected from the airborne survey. The anomaly coincides with EM conductor #8, a first priority target in the Roth report and is supported by nearby anomalous geochemistry (soil and rock values up to 1074 ppb Au in the Fishbowl cirque). The anomaly is also located directly on strike with the western projection of the North Vein grit bed and the magnetic signature may indicate the presence of sulphide mineralization at depth.

A large magnetic anomaly detected along the eastern projection of the Pebble bed (at 7132000N-361500E), may be the signature of a 300m thick sequence of argillite/mudstone which outcrops in this area. Measurements in the field have confirmed that these sediments are moderately to strongly magnetic and are the likely source of the magnetic high. A gabbroic intrusive which outcrops near the southwest corner of the property (7128500N-356500E) is also weakly to moderately magnetic and is probably the source of the strong magnetic anomalies detected in this area.

Results from the MaxMin survey (Appendix V) proved to be quite useful for locating near-surface bodies of mineralization. Trenching on Skarn Ridge targeted MaxMin conductors and successfully exposed sulphide mineralization in all of the trenches. A strong conductor underlies the North Vein trenches and a moderate conductor identified along the projected strike of the North Vein almost certainly reflects sulphide mineralization to the west of the showings.

5.5 GEOCHEMICAL PROGRAM

Results from the North Soil Grid identified a moderate soil Au anomaly along the western projection of the North Vein. (Figure 5.31-in pocket). The anomaly displa7s a 20–30 meter offset from the projected trace of the mineralized horizon, most likely a result of soil creep in the valley bottom.

Results from the South Soil Grid (Figure 5.32 - in pocket) identified a strong Au/Cu geochemical anomaly on the south slope of Skarn Ridge. Trenching on these anomalies led to the discovery of the Skarn Ridge showings. A second anomaly located in the northeast corner of the grid has not been investigated. The anomaly is located in the cirque near the contact of the Mike Lake stock and is characterized by elevated Au/As/Cu

values. A large portion of the east-west striking valley at the base of Skarn Ridge returned very weak gold values, strongly suggesting that no significant near surface mineralization remains undiscovered in the valley bottom.

6.0 CONCLUSIONS

1) A well-developed, classic skarn does not exist in the Mike Lake area. Instead, the calc-silicate replacement within the calcareous Rabbitkettle Formation is primarily a hornfels effect resulting from the emplacement of the syenite stocks. True metasomatism appears to be confined to areas that were structurally prepared prior to the emplacement of the stocks and within stratigraphic intervals displaying primary porosity i.e. oolitic interbeds within the calc-phyllite sequence and calcareous grit horizons within Hyland siliciclastics.

2) Geological and structural mapping suggest that the multiple calc-phyllite sequences and argillite interbeds on the property form a conformable stratigraphic sequence and are not the result of northwest directed thrusting and stacking of the stratigraphy. This implies that the Rabbitkettle Formation in this area is up to 2 km thick.

3) A structural corridor oriented at azimuth 040-050 extends through the property and appears to be an important control of mineralizing fluids in the Mike Lake area. Most showings on the property are spatially and genetically related to the 4 or 5 Tombstone Suite dykes located within this corridor that extends from Skarn Ridge to Java.

4) The correlation between gold and arsenic noted at the North Vein is not evident on Skarn Ridge. The Skarn Ridge showings are copper rich and the best pathfinder appears to be bismuth, a common pathfinder mineral for copper-gold skarns.

5) The geophysical anomaly located at the north tip of Mike Lake is the highest priority anomaly on the property. The magnetic/resistivity anomaly is coincident with favorable geology and proximal to anomalous geochemistry. Thick valley bottom sediments mask this area and as a result, diamond drilling would be required to test this anomaly.

6) A gabbroic suite outcrops in the southwest corner of the property, proximal to the zones of mineralization exposed in the Skarn Ridge trenches. No significant alteration envelope was noted at the contacts of the gabbro and emplacement of the gabbro appears to be unrelated to the mineralizing event on Skarn Ridge. The cluster of strong magnetic anomalies detected in this area probably reflects the magnetic signature of these intrusives. Tests on hand samples indicate the gabbro is weakly to moderately magnetic.

7) The property has now been thoroughly prospected and sampled and it is unlikely that an obvious, near surface mineralized zone remains undiscovered. The project is ready to be diamond drilled and future exploration budgets should essentially be dedicated to drill testing the numerous showings and anomalies on the property.

7.0 RECOMMENDATIONS

An advanced exploration program consisting primarily of diamond drilling is recommended for the Mike Lake property. The program should be staged as follows:

1) Investigate unexplained magnetic/resistivity anomalies from the 1998 airborne survey to determine if drilling is warranted.

2) Diamond-drill the North Vein and Skarn Ridge showings. A 1500-2000 meter program is recommended to test these zones. The primary focus on the North Vein would be to test for a down-dip or western extension of the showings. The primary focus on Skarn Ridge is to determine if the mineralization exposed on surface is confined to a steeply dipping zone proximal to the interpreted feeder dykes or if a lateral, stratigraphically controlled zone of mineralization extends through a large portion of Skarn Ridge, peripheral to the Mike Lake stock.

8.0 REFERENCES

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9.0 STATEMENT OF COSTS

Mike Lake Project - Assessment Work Completed June 1 - Sept 15, 1998

PROJECT# **90822**

TOTAL **$213,960**

DESCRIPTION		AMOUNT	RATE ($)	NET($)	
SALARIES	(IN-HOUSE)				
	D. Bordin-Project Geologist				
	Field work	50.0	413.00	20650.00	
	Report Writing	25.0	413.00	10325.00	
	B. Traub-Field Geologist				
	Field Work	10.0	263.00	2630.00	
	Report Writing	5.0	263.00	1315.00	
	M.Papageorge-Field Geologist				
	Field Work	20.0	263.00	5260.00	
	Report Writing	10.0	263.00	2630.00	
	D. Lilly-Student Geologist				
	Field Work	10.0	263.00	2630.00	
	R. Williams-Student Geologist				
	Field Work	50.0	263.00	13150.00	
				Subtotal	$58,490.00
FEES	(CONSULTANTS)				
	Don Coolidge	40.0	260.00	10400.00	
				Subtotal	$10,400.00
ANALYSIS	(ASSAY, METALLURGICAL)				
	Rocks	366	18.00	6588.00	
	Soils	1023	18.00	18414.00	
				Subtotal	$25,002.00

FIELD/CAMP

Field Supplies				8672.00	
Camp costs	180 man/days		35.00	6300.00	
			Subtotal		$14,972.00

GEOPHYSICS

Ground				9638.00	
Airborne				42958.00	
			Subtotal		$52,596.00

TRANSPORTATION

Vehicle lease/rental		@		/day	0.00
Vehicle operating/maintenance/repair					0.00
Helicopter	70 hrs	@	750.00	/hr	52500.00
			Subtotal		$52,500.00

TOTAL $213,960.00

10.0 STATEMENTS OF QUALIFICATIONS

Statement of Qualifications - D. Bordin

I, Dominic Bordin of RR#1, Site 81A, Comp 9, Okanagan Falls, British Columbia, do hereby certify that:

1. I am a graduate of the McMaster University (1985) and hold a B.Sc. (hon.) in Geology

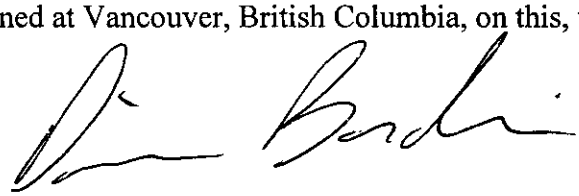
2. I have been employed in my profession as an Exploration and/or Mine Geologist in Canada and the USA since graduation.

3. I am presently employed by Homestake Canada Inc. of 1100-1055 West Georgia Street, Vancouver, British Columbia as a Project Geologist.

4. I have no interest in the property described herein, nor in the securities of any company associated with the property, nor do I expect to acquire any such interest.

5. I directly participated in and supervised the 1998 work program on the Jamie/Lorrie/Java claims.

Signed at Vancouver, British Columbia, on this, the 30th day of November 1998.



Dominic Bordin, B.Sc.

Statement of Qualifications - M. Papageorge

I, Michael Lyndon Papageorge of 3340 West 10th Avenue, Vancouver, British Columbia, do hereby certify that:

1. I am presently employed by Homestake Canada Inc. of 1100-1055 West Georgia Street, Vancouver, British Columbia, as a geologist.

2. I am a graduate of the University of British Columbia (1997), and hold a B.Sc. in Geology.

3. I have no interest in the property described herein, nor in the securities of any company associated with the property, nor do I expect to acquire any such interest.

5. I directly participated in and supervised the 1998 work program on the Jamie/Lorrie/Java claims.

Signed at Vancouver, British Columbia, on this, the 30th day of November 1998.



Michael L. Papageorge, B.Sc.

Statement of Qualifications - D. Kuran

I, David Lionel Kuran of 25630 Bosonworth Avenue, in the Municipality of Maple Ridge, British Columbia, do hereby certify that:

1. I am a graduate of the University of Manitoba (1978) and hold a B.Sc. in Geology.

2. I am a fellow of the Geological Association of Canada.

3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. I have been employed in my profession as an Exploration Geologist in Canada, USA, and Mexico since graduation.

5. I am presently employed by Homestake Canada Inc. of 1100-1055 West Georgia Street, Vancouver, British Columbia as a Senior Geologist.

6. I supervised the planning and implementation of the work described in this report, was in communication with the geologists on site, and was involved in the data interpretation and the editing of this Mike Lake Property report.

7. I consent to the use of this report concerning the 1998 exploration program carried out on the Jamie/Lorrie claims and the Java 62-79 mineral claims in the Dawson Mining District, Yukon, 116A/5, for all corporate purposes relating to Homestake Canada Inc. and Tombstone Explorations Co. Ltd.

Signed at Vancouver, British Columbia, on this, the 30th day of November 1998.



David L. Kuran, B.Sc., P.Geo.

Appendix I

Sample Descriptions and Locations

Java Rock Samples - 1998

Sample	*Northing*	*Easting*	*Sample Type*	*Description*	*Au ppb*	*Au g/mt*	*Ag ppm*	*Cu ppm*	*Pb ppm*	*Zn ppm*	*As ppm*	*Sb ppm*	*Bi ppm*
1375	7128779	357093	Float	gritstone with clasts up to 10 mm replaced by pyrrhotite and chalcopyrite, sample consists of 95% po and 5% cpy	8	0.0035	1.2	2212	48	67	2	2.5	1
1376	7128336	356722	Grab	a sulphide pod consisting of 97% po and 3% cpy within a mudstone	57	0.0035	1.1	1178	58	62	1498	2.5	8
1377	7128830	357575	Grab	massive pyroxene skarn with 5% finely disseminated pyrrhotite and 2% cpy; moderate chlorite alteration of pyroxene and minor carbonate alteration	238	0.0035	2.8	769	10	34	604	11	108
1378	7128710	357665	Grab	tremolite-pyroxene skarn with 2-4% arsenopyrite and trace pyrite	154	0.0035	1.7	128	21	19	24124	66	1224
1379	7128892	357569	Grab	axinite-pyroxene-tremolite skarn with 5% po, mantled by 2% cpy, and minor malachite staining	18	0.0035	1.5	1035	25	40	711	5	39
1380	7128920	357550	Grab	oolite with pyroxene skarning, 2-3% disseminated po and trace cpy	1	0.0035	0.1	56	30	41	208	2.5	1
1381	7129005	357522	Grab	biotite-pyroxene megacrystic syenite with 2% po	2	0.0035	0.2	64	28	34	69	8	1
1382	7128767	357472	Grab	actinolite skarn with 5% tremolite and 5% axinite; axinite occurs as vein or in fractures; 2% disseminated aspy and 2% py	8	0.0035	0.1	98	9	24	5511	16	1
1383	7128545	357675	Grab	moderately weathered actinolite-tremolite skarn with malachite staining and trace cpy	6	0.0035	24.5	4466	21	162	545	2.5	1
1384	7128560	357675	Grab	gossanous oolite within a massive sections of actinolite and tremolite; trace aspy associated with actinolite	1	0.0035	0.3	151	11	26	2462	8	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
1385	7128675	357675	Grab	actinolite-tremolite skarn similar to 01384 with 2-4% cpy and 1% py	1	0.0035	0.3	118	3	16	356	5	1
1386	7128660	357675	Grab	fine grained actinolite and coarse grained tremolite skarn with 3% aspy, 1% cpy, and trace py; cpy occurs in tremolite sections while aspy is disseminated throughout	14	0.0035	0.2	37	1	18	1563	5	90
1387	7128835	357638	Grab	pyroxene-actinolite skarn with 5% disseminated cpy and trace malachite; surrounded by oolitic sediments	40	0.0035	7.4	3868	9	127	591	5	1
1388	7129123	357784	Grab	hornfels sediment with axinite veins; pseudomorphing the axinite is 2-3% aspy	582	0.0035	0.5	53	29	17	22190	41	56
1389	7128964	357892	Grab	megacrystic syenite with axinite replacing K-spar phenocrysts; disseminated sulphides include 2% po, 1% aspy, 1% cpy, and trace py	4	0.0035	0.7	273	25	50	1993	10	1
1390	7128951	357933	Grab	dark green to black oolite with pyroxene crystals, 2-3% disseminated po, and 1% cpy; surrounded by a pyroxene skarn to the south and a syenite to the north	16	0.0035	0.1	93	13	33	190	2.5	1
1391	7129007	357979	Grab	coarse axinite and amorphous pyroxene skarn with 2-5% po and 1-2% cpy	14	0.0035	0.1	196	2	22	177	2.5	1
19501	7134500	361000	float	Gabbro, 50% px, 30% spar, 20% biotite	110	0	0.4	173	32	58	557	2.5	1
19503	7134140	361440	grab	4% aspy as diss and vnlts	30	0	0.6	207	11	71	15	2.5	1
19504	7131325	361830	grab	5% po pods and vnlts to 5%	5	0	0.3	79	11	238	48	6	1
19506	7128520	362200	grab	10% py or aspy. interbedded ms and slst with min'n along bedding planes.	20	0	1	100	19	240	28	2.5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19507	7128385	362160	grab	10% po replaces spar in syenite.	70	0	0.9	134	25	46	37	2.5	1
19508	7128550	362120	grab	argillite	120	0	0.7	211	8	23	43	2.5	1
19509	7127040	357580	grab	Sample taken at contact b/w syenite and arg.	5	0	0.8	209	31	39	2	14	1
19515	7128230	359470	float	argillite with 10% py	5	0	0.8	202	26	26	2	13	1
19516	7129260	357260	float	15% massive po, 5% aspy, tr cpy. vn in syenit with euhedral po stals	5	0	0.6	546	47	291	2	76	1
19517	7126050	355625	float	skarn with 4% diss cpy, 5% py.	30	0	1	362	22	66	52	14	1
19520	7125150	357650	float	Silicified gritstone with aspy.	80	0	1.8	152	84	32	10004	108	1
19521	7125150	357650	float	Massive subhedral aspy replacing sed.	380	0	4.6	128	563	462	103892	374	184
19523	7128280	362290	grab	Fissile sheared argilliite bounded by pyrite vein	5	0	2.3	108	565	109	102	60	1
19524	7128280	362295	grab	1-3 ft wide and ~ 50m on surface	80	0	34.5	894	15402	20242	755	5023	152
19528	7128720	362415	float	5% py blebs are euhedral	10	0	0.6	148	103	180	70	28	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19529	7129920	361600	chip	Sample includes arg and massive sulfide. Outcrop extends for >50m stratigraphically.	20	0	1.9	122	477	370	74	95	1
19530	7130005	361420	float	5% wispy po, 10% wispy euhedral diss aspy, 3-4% cpy	10	0	1.4	695	42	64	974	11	1
19531	7129315	358085	float	10% aspy, 10% cpy	230	0	1.7	1013	22	59	22610	21	490
19532	7129300	358050	float	5-10% aspy	10	0	0.2	9	1	8	6113	9	1
19533	7129310	357950	float	30% aspy, 4-7% cpy	10	0	0.2	145	14	14	131	6	1
19534	7129290	357800	float	euhedral aspy to 50% and 25 % aspy. Also containing axinite and qtz.	550	0	2.1	1994	21	50	218796	828	2137
19545	7128850	357800	Grab	px ~35-40% and fine grain. 55% po, 1-2% cpy and tr-1% euhedral aspy. Limonite.	183	0	1.2	1234	45	60	1160	11	45
19546	7128120	359400	Grab	This is a cumulative sample of many mineralized skarn samples in this immediate area. Pyroxene-garnet skarn with varying amounts of axinite. Limonite.	1	0	0.2	90	7	33	2200	11	2
19547	7128120	359400	Grab	Pyroxene-garnet skarn. Non-mineralized cumulative sample of skarn in immediate area. Limonite.	3	0	0.2	40	2	31	623	6	1
19548	7132480	361126	Grab	Aplite dyke	3	0	0.4	11	117	65	762	6	1
19549	7132480	361126	Chip	tr-1% diss cpy, 1% aspy. Chlorite vnlts. Wx px (aspy) pods occur to 20% (1cm diam). Chalcedonic texture occurs & surrounds fn gr lithics or fractures. Some quite	177	0	0.5	656	24	48	195	2.5	12

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19550	7132480	361126	Chip	Tr cpy, tr-1% aspy. Basically all silica with dark vnlt or fractures. V. intense sil'n.	4	0	0.3	168	10	52	464	5	1
19551	7132480	361126	Chip	aspy rimming px pods...5% aspy. Int sil'n. Sil clasts + sil matrix. Wx px pods to 5%. Fresh px pods to 10%. Clasts ~ 0.5-0.2cm in diam.	130	0	0.5	448	4	31	1128	2.5	68
19552	7132480	361126	Chip	Course porous grit, 30-50% aspy. Mod sil'n, lim ff. Grungy, more porous grit. Less sil'n & more min'n, NOT magnetic.	522	0	1.6	2152	1	45	55615	25	311
19553	7132480	361126	Chip	30% aspy, 30% po, 20% cpy and 20% groundmass. 0.1-0.5cm qtz eyes. Fine grained euhedral aspy, 60% px.	450	0	5.8	6458	3	205	68579	24	441
19554	7132480	361126	Chip	Lim ff. 1-4% aspy but up to 20% if I include wx massive sulphide. Pods of mas sul (0.3-2.0cm) & px have wx to powder. They make up ~ 60-70% of rk.	560	0	1.2	1073	6	54	13866	8	193
19555	7132462	361144	Chip	Blebs of mas aspy and px (0.5-2.5cm). See qtz eyes (~30%).	15	0	0.4	503	1	35	4648	6	18
19556	7132462	361144	Chip	V. intense silicification. Bleached out white qtzite.	20	0	0.2	200	1	23	2239	7	13
19557	7132462	361144	Chip	Very similar to 19555. Contains aspy min'n as blebs & diss's to 15-20%.	2	0	0.1	99	1	29	780	2.5	2
19558	7132462	361144	Chip	25% euh po, 5% poddy aspy, 25% mas po. Contains ~5% qtz eyes. Px-40%	6	0	1.4	2993	1	69	1498	2.5	1
19559	7132462	361144	Chip	0.5-4cm pods of wx mas sul (also fresh pods) up to 40%. Silicified groundmass looks like silica pods.	12	0	1.4	2771	1	92	3847	2.5	42
19560	7132462	361144	Chip	intensily sil'd grit. Qtz blebs form 0.2-2.0cm (original clasts). Px pods from 0.4-5.0cm and make up 55% of rock.	12	0	0.7	1110	7	75	3621	2.5	29

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19561	7132462	361144	Chip	10% aspy, locally silicified. See odd qtz eye. Pods of px and mass sulfide are ~50% of rock.	9	0	0.9	1215	12	90	672	2.5	11
19562	7132462	361144	Chip	5% poddy aspy, 5% fn gr diss aspy, 45% fn gr mottly po. Px blebs~20%	21	0	1.4	2155	1	113	6482	2.5	57
19563	7132462	361144	Chip	sandstone. Intense sil'n and limonite ff. This is a thin band (~50cm thick) in min'd grit.	1	0	0.3	268	30	59	1000	2.5	7
19564	19564	7132462	361144	30% po, 25% aspy. Grit w/ qtz eyes & mod-str sil'n. 40-8-% silica.	90	0	1.4	2419	1	83	5944	2.5	123
19565	7132462	361144	Grab		9	0	1.3	2758	1	59	275	2.5	1
19566	7132456	361150	Chip	sandstone	12	0	0.1	203	1	33	171	2.5	1
19567	7132456	361150	Chip	30% diss aspy, & 5-8% euhedral aspy. High px content. Pretty grungy.	12	0	0.6	863	6	68	4778	2.5	5
19568	7132456	361150	Chip	Sandstone protolith. V. intense silica.	1	0	0.1	105	7	28	265	8	1
19569	7132456	361150	Chip	20% poddy aspy, 1% cpy (diss). Grungy px poddy grit with wx mas aspy & euhedral aspy.	3	0	0.6	981	14	39	135	2.5	1
19570	7132456	361150	Chip	20% poddy aspy, 1% cpy. Very intensely sil'd.	1	0	0.2	247	16	49	555	6	1
19571	7132456	361150	Chip	Tr-1% cpy, 5% poddy po, 5-10% aspy. Min'm is found in px pods as dissemination. Qtz eyes to 60%. Pods are dominantly px.	5	0	0.3	330	11	53	573	2.5	5

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19572	7132470	361170	Chip	Intense sil'n. Rxxtl'd siliciclastic sediment. (Pobably sandstone protolith.)	6	0	0.1	92	1	30	379	2.5	1
19573	7132470	361170	Chip	Mas sul in px pods. 25% of pods is massive sulphide.	90	0	0.5	421	1	30	1051	2.5	75
19574	7132470	361170	Chip	Intense sil'n. 2cm actinolite pods....or maybe px.	1	0	0.1	60	15	47	157	2.5	1
19575	7132470	361170	Chip	Rusty, green poddy grunge rock.	1	0	0.4	333	8	79	742	2.5	11
19576	7132470	361170	Chip	Same as previous sample but finer grain.	15	0	0.4	173	35	94	455	2.5	1
19577	7132470	361170	Chip	Maybe some in px pods but none visible. Brit with 70-10% matrix rich in px. Px pods from 1cm -5cm in diam. Very sil'd. Local bands of mod'ly sol'd fn gr sed. Purple colour.	6	0	0.4	285	7	76	268	5	1
19578	7132484	361180	Chip	Qtzite with grit protolith. Hard and fn gr.	5	0	0.05	63	1	26	208	2.5	1
19579	7132484	361180	Chip	90% aspy, up to 10% cpy. Cpy occurs where aspy doesn't dominate rock mass.	1	0	2.8	2775	1	94	191667	69	657
19580	7132484	361180	Chip	Poddy mas sul to 90%. Porous weathered rock with 0.5-4cm pods of mas sul.	129	0	7	6192	2	101	39404	20	239
19581	7132484	361180	Chip	Same as previous sample. Only ~1.5m stratigraphic thickness.	522	0	1.8	2012	1	47	31503	18	318
19582	7132484	361180	Chip	Doninantly qtzite with cm scale poddy min'n. This bed overlies sample 19583.	63	0	0.3	383	9	51	4149	2.5	16

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19583	7132484	361180	Chip	Poddy grungy mas sul and px pods.	597	0	1.2	589	8	61	7643	2.5	102
19584	7132470	361195	Chip	80% aspy, 1% cpy. Str sil'n in groundmass.	810	0	4.4	3443	2	135	148791	58	825
19585	7132470	361195	Chip	Poddy mas sul. 50% aspy, tr-1% cpy. This is the same bed/unit as 19587. Pods to 100%. Pods are aspy & px.	180	0	1.4	1710	1	93	19585	13	80
19586	7132470	361195	Chip	disseminated aspy and veining containing 90% aspy & 5% po. Mineralization occurs proximal to px groundmass	243	0	0.7	250	59	62	12875	9	91
19587	7132470	361195	Chip	Poddy wx massive sulfide to 80%. Mod to wk silica. Local qtz vugs (1cm) grungy.	444	0	1.3	693	4	38	8846	7	34
19588	7132470	361195	Chip	Sil'd grit-qtzite. V. intense to str sil'n. Bedding 110/34. Ranges from 100% silica to px matrix. Then underlain by poddy mas sul etc.	555	0	0.6	222	12	60	2731	7	10
19589	7132470	361195	Chip	1% euh aspy, 40% diss fn gr aspy, 3% diss cpy. Wx grungy rk pods of mas sul. Px green also.	99	0	1.5	1109	1	50	2241	2.5	22
19590	7132460	361200	Chip	70% diss aspy, 5% euhedral aspy, 12% cpy. Min'n w/ sil'd groundmass (px colour).	3000	3	3.6	3011	4	96	773039	63	527
19591	7132460	361200	Chip	10% euh po, 5% diss po, up to 40% aspy, 1% cpy. Grit with good min'n, px groundmass.	615	0	0.9	1246	5	56	15094	10	89
19592	7132460	361200	Chip	Vnlts of po & aspy. They don't seem to exist together. This is min'd due to vnlts.	87	0	0.6	424	10	46	8923	10	52
19593	7132460	361200	Chip	20% diss aspy, 15% po, 4% cpy. Sil'd fn grit, slight green colour.	399	0	1.2	1541	1	86	28476	16	53

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19594	7132460	361200	Chip	V. intense silicification. Px pods up to 10%. Px and aspy increase downsection, while silicification decreases.	6380	6	2.2	291	43	41	6426	22	502
19595	7131850	361700	Chip	Poddy mas sul. Euhedral po & aspy as vnlts. Ranges from mas px poddy-groundmass to mas sul pods in px.	150	0	0.6	326	1	18	1767	2.5	21
19596	7131850	361700	Chip	Very porous & wx pebble breccia. Clasts are angular to sub angular. Bedding 098/52.	2100	2.15	0.4	289	1	17	15413	2.5	165
19597	7131850	361700	Chip	Poddy mas sul in px pods. It is more fn gn (sil'd grit). There is a 30cm lense of rounded qtz-cobble congl. Gossanous	630	0	0.2	271	1	18	1304	2.5	17
19598	7131850	361700	Chip	Poddy aspy wx to 50% & local euhedral aspy xtals in siliciclastic grit. Bed seems to pinch out here. North part of trench is almost all silica w/ 3% local aspy pods	3750	3.7	0.4	198	1	17	44495	34	162
19599	7131850	361700	Chip	Poddy mas sul to 70%. Large px pods.	15	0	0.05	57	1	20	1513	2.5	5
19600	7131850	361700	Chip	mod-str sil'n. Large euhedral px. Mineralization associated with pyroxene	615	0	0.3	149	1	18	841	2.5	42
19601	7131352	361271	Grab	Aspy with 10% splashy cpy. Aspy has totally replaced cgl. Up to 30% relict px in matrix.	805	0.0035	6.4	5865	6	61	20694	2.5	127
19602	7131352	361271	Grab	Poddy aspy to 60%. 0.2-2.0cm siliciclasts. Clastic matrix is wkly sil'd. Very abundant in this trench.	4200	4.17	6.4	1893	11	11	321831	273	3427
19603	7131352	361271	Grab	wk-mod sil'n. Unmin'd cgl. Pebble sized, sub-angular siliciclasts.	10	0.0035	0.05	51	13	33	704	6	3
19604	7128850	358085	Grab	Oolitic LS with 1% aspy vnlts.	6	0.0035	0.05	75	16	21	1546	12	7

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19605	7128875	358085	Float	aspy vning replacing tremolite. 0.2-0.5cm tremolite xtals being replaced by aspy. Axinite on fracture sfcs.	590	0.0035	0.05	231	37	64	11510	18	40
19606	7128750	358090	Float	Very grungy rk. Looks like it once had pods of sulfide of px.	24	0.0035	1.1	968	51	20	2660	10	1
19607	7128750	358090	Grab	Poddy po (or aspy) to 20%. Adjacent to syenite. Min'd calc-phyllite (LS). Fresh version of 19606.	16	0.0035	1.2	1583	19	38	1765	2.5	1
19608	7128600	358090	Float	m.gr. Po to 15%, 2% diss cpy, 2% diss aspy, intense sil'n. Min'n appears to replace px. Ax occurs aswell (10%)	200	0.0035	1.8	980	76	64	2206	29	82
19610	7130730	360776	Chip	Massive po. 1m wide horizon of lensing min'n. Cgl (cobble) with bx matrix (1-8mm clasts in matrix).	1	0.0035	0.7	437	16	16	80	2.5	126
19611	7130677	360703	Grab	Poddy aspy replacing px to 50%. Grungy.	146	0.0035	4.8	643	11	34	11148	2.5	19
19612	7130677	360703	Float	100% po with tr fn gr cpy. Fully replaced by po. 10% euh po.	645	0.0035	3.6	5417	7	79	785	2.5	1
19613	7130677	360703	Grab	30% fn gr po, 20% aspy, 5% cpy. Px replacement.	18	0.0035	1.9	1972	8	82	40	2.5	1
19614	7129574	360525	Float	30% platy aspy. Str sil'n, cc stwk. Float in middle of cirque. Hingw on qtz pebble cgl. Po associated.	75	0.0035	1.6	1209	39	42	2723	12	16
19984	7128860	357975	Grab		21	0.0035	1.2	644	43	52	767	8	1
19985	7128990	359998	Grab	Conchoidal fracture- cherty looking . Taken from outcrop at the top of the ridge.	4	0.0035	0.1	63	46	31	147	10	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
19986	7128940	357976	Grab	Finely bedded sed	2	0.0035	0.6	261	17	49	150	9	1
19987	7128890	357775	Grab	Calc Silicate	1	0.0035	0.4	275	28	43	173	2.5	1
19988	7128840	357975	Grab	Calc Silicate	1	0.0035	0.2	157	29	49	812	10	1
19989	7128790	357975	Grab	Aphanitic bleached texture	2	0.0035	0.7	76	20	50	415	8	1
19990	7128960	357880	Grab	Calc Silicate	57	0.0035	0.6	390	7	59	1254	10	1
19991	7128900	357885	Grab	Pickets end.	107	0.0035	1.9	1288	30	114	2607	17	125
19992	7128845	357880	Grab	laminated meta-seds	1	0.0035	0.05	28	4	13	524	5	1
19993	7128790	357879	Grab	calc silicate	38	0.0035	1.1	425	23	59	529	7	17
19994	7128740	357881	Grab	Dense silica altered ed.	27	0.0035	0.6	366	10	31	31	5	60
19995	7128710	357880	Grab	Cryptic banding visiible in sample.	5	0.0035	1.2	829	15	54	19	2.5	12
20501	7134370	361830	Float	Skarned equivalent of diorite-gabbro (19501)	5	0	0.3	33	16	85	59	9	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
20502	7134300	361700	Grab	Diorite	50	0	0.6	117	35	38	274	2.5	1
20503	7134280	361630	Float	Aplite	20	0	0.05	19	26	39	512	5	1
20504	7129400	357550	Float	Massive Sulphide	10.13	10.15	3	512	65	13	360858	405	848
20505	7131060	361180	Float	Sample has a vesicular appearance thruout the matrix. One fragment had 0.5cm bands with sapce in between.	66	66.9	5.6	528	8	14	22837	25	1380
20506	7130860	360850	Grab	Dark brown/green po/diop skarn	100	0	3.4	5519	1	112	1616	2.5	5
20507	7130810	360800	Grab	Aspy Po skarn located in a stratabound skarn pod near the Bev zone	70	0	3.6	5191	1	102	282	2.5	1
20508	7131500	361430	Float	black, glassy, softer than 5, poorly developed, amorphous, rusty weathering	10	0	0.4	345	17	122	831	2.5	1
20509	7131360	361910	Float	Mushy green (pistacio) we've seen all over	5	0	0.4	98	36	130	106	5	1
20510	7131475	361915	Float	Quartz Vein	250	0	26.5	13491	23	3263	137	10	1
20511	7131620	361885	Float	Brown/red HARD angular, porous, sinter like silicified breccia or gouge	10	0	4.1	151	4	25	61	5	1
20512	7127800	360840	Grab	Dark sugary pink-green hornfels	10	0	0.5	132	32	29	114	2.5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
20513	7128995	360635	Float	Thin 1 cm aspy vein with intrusive patterns on either side	2	2.1	3.2	547	113	15	380841	804	649
20514	7128380	357550	Grab	Aspy intergrown with tremolite	1.92	2.1	19.2	15723	16	71	341787	691	961
20515	7128370	357820	Float	Aspy intergrwon with tremolite	192	210	57.8	7465	17	78	334378	806	15910
20516	7129260	357120	Float	Sugary green diopside with massive Po, rare splashes of cpy	470	0	1.3	1832	4	45	7853	42	167
20517	7129260	357190	Float	Grit with aspy replacement	290	0	0.5	76	133	20	159740	824	37
20518	7129260	357430	Float	Massive Sulphide	1.57	1.75	5.2	2118	79	40	284065	722	1767
20519	7129350	357580	Float		19.73	19.8	10.5	863	16	28	282628	523	8428
20520	7129330	357800	Float		50	0	138.1	70444	11	775	16209	36	29
20521	7129350	357910	Float	Massive Sulphide	7.9	7.9	3.2	493	58	21	314032	661	3613
20524	7124200	356028	Grab	Fault gouge in color and texture (brown and amorphous) contains traces of sphalerite and galena...	10	0	78.6	615	19312	74654	226	31	17
20525	7130456	364563	Float	Aspy within a brecciated gouge	220	0	3	2567	18	80	6966	2.5	17

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
20532	7129250	358400	Float	Typical intrusive hosted quartz vein. Roughly 40% aspy and 60% bull quartz	17.13	16.7	4.7	91	217	37	321254	337	3458
20533	7129250	358400	Float	Intrusive hosted vein with 15%cpy, 10% aspy, 40% quartz, 35% tourmaline	510	0	1.1	36	111	117	217742	324	319
20534	7129250	358400	Float	Intrusive hosted vein similar to 20532, 20533	15.8	16.13	14.2	49818	50	272	386781	375	1271
20535	7129200	358210	Float	Vein	40	0	1.3	969	1	51	904	6	25
20536	7129210	358100	Float	Light green hornfels with splashy sulphide mineralization	280	0	1	227	79	18	357036	601	607
20537	7129370	357980	Float	Massive intergrown aspy and quatrz	710	0	9.6	184	386	10	398592	1291	4352
20538	7126420	356640	Float	Typical massive sulphide in hornfelsed calc-phyllite pods of quartz and green px hornfels	195	0	105.7	124	20530	2215	225196	E+0	97
20539	7126280	356810	Float	Massive Sulphide	264	0	17.8	846	3021	87	64516	1985	152
20540	7126250	357100	Float	Vein contains typical Java assemblage of Po+Aspy+Cpy but also includes minor amount of stibnite	1	0	45	1932	18584	10346	5012	8591	3
20541	7126240	357210	Float	Same as 20540 but more po, less aspy, less cpy, no stibnite	1	0	3.2	2141	4258	2137	108	3059	1
20542	7126240	357290	Float	Weirn looking minerals...Mucho oxidation...	1	0	43	1064	7297	193	2	8304	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
20543	7126330	357380	Float	Appears to be a massive stib gn vein	5	0	95.1	618	4470	7672	2	9980	2
20544	7126400	357310	Float	May be some vesuvianite in the gangue	165	0	4.9	285	1392	381	65946	1644	85
20547	0	0	Float	Aspy vein within seds?	30	0.0035	0.3	61	3	4	304575	524	118
20548	0	0	Float	Low grade skarn/cs hornfels with cpy + aspy	72	0.0035	2	2889	43	46	2500	2.5	40
20549	0	0	Float	low grade skarn/cs hornfels with cpy	1000	1.17	17.3	7556	33	160	401	10	202
20556	7132507	373420	Float	Brown stratigraphic hornfels with disseminated VFG aspy? + cpy?	10	0.0035	0.05	60	13	104	278	2.5	1
20558	7131156	374100	Float	Hornfels	2	0.0035	0.2	28	71	95	179	6	1
20560	7127340	357489	Float	Fine to medium grained quartz feldspar porphyry - Aplite	1	0	0.4	53	451	121	32	2.5	1
20561	7127340	357489	Float	Massive sulphide replacement of stratigraphy	1	0	0.9	1450	1577	108	879	1219	1
20562	7127340	357489	Float	It would seem that the massive sulphide assemblage is pseudomorphing an actinolite skarn assemblage	186	0	101.6	752	3595	24670	1039	1465	1
20563	7127672	357411	Float	Blebby po in an oxidized orange and black (tourmaline?) rock	1	0	34	562	7840	1138	342	2757	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
20564	7132262	361125	Float	Aspy appears to be contained along fractures in the quartzite, green orange weathering, similar to that at the claim posts.	870	0	0.4	289	344	383	13905	146	16
20565	7132262	361137	Float	~ 60 % aspy intergrown with a orangy white gangue.	14550	14.8	2.7	1945	1270	106	283752	1029	339
20566	7132557	361142	Float	Massive sulphide vein	3870	4	38.5	34743	685	905	73431	79	64
20567	7132262	361150	Float	Banded sulphides, possibly pseudomorphing FG gn and px	1710	2	31	8042	226	166	56697	82	22
20568	7132270	361225	Float	chalky white unit with light green color and rare arsenopyrite	3450	3.5	1	1012	30	46	186897	96	146
20569	7132325	361220	Grab	Qt - Aspy vein from 080 jointing	5100	5	0.7	407	233	40	104413	191	126
20570	7132320	361268	Grab	quartzite, white with aspy growing into it from microfractures in the quartzite	2400	2.5	1.9	676	98	53	51140	42	70
20571	7132783	361308	Grab	~20 % aspy plus 80 % gangue	2370	2.4	1.6	210	121	20	185558	92	138
20572	7130743	360728	Float	oxidized mineralized quartzite. Aspy crystalsgrowing in an oxidized quartzite	267	0	1	26	116	46	227467	88	16
20573	7128630	357850	Float	Massive po + euhedral aspy replacing quartzite	174	0.0035	1.4	1451	45	51	6002	32	50
20574	7128620	357855	Float	Cpy intergrown with tremolite	6	0.0035	31	13878	9	364	212	2.5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
20575	7128630	357890	Grab	Aspy Cpy Trem intergrown skarn	11000	11.7	17.4	6899	9	43	37464	79	819
20576	7127312	357456	Float	some type of aspy vein running thru an oxidized phyllitic sediment	1210	1.21	6	493	872	8	242865	2059	160
20577	7127200	357200	Float	fg quartzite or sandy carbonate with po + marc replacement features + cpy stringers	18	0.0035	1.4	413	1	18	956	5	1
20578	7127850	358240	Float	sediment within syenite	138	0.0035	0.05	80	19	16	22168	33	38
20579	7127850	358290	Float	roughly 40 % aspy in an intrusive (syenite) hosted vein	730	0.0035	1.3	77	74	0.5	225862	269	2221
20580	7127850	358290	Float	Duplicate of 20579	530	0.0035	0.9	35	57	0.5	270705	366	3592
20581	7128370	357820	Grab	Brown oxidized (but still hard) tremolite + "Brown stuff" Skarn	1900	1.8	23	12126	12	253	2514	8	187
20582	7128365	357825	Chip	oxidized skarn, 1-2% aspy	35800	35.8	10.2	664	1	9	33684	116	6407
20583	7128375	357820	Grab	No sulphides, no hornblende	10	0.0035	5.8	916	393	347	10603	55	25
20584	7129574	360525	Float	Massive euhedral po + lesser arsenopyrite	170	0.0035	15.5	1823	1246	739	50376	298	95
20585	7128370	357820	Grab	Duplicate of 20515	45000	44.53	11.3	3203	71	69	304692	579	3047

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
22236	7131640	361980	float	argillite	1	0	0.1	44	50	200	3657	36	1
22281	7127740	357110	float	micro veins of sulphide in rusty argyllite host. Sample taken at the base of an extremely rusty cliff (approx. 20 m high)	10	0.0035	0.1	70	73	34	160	8	1
22282	7127738	357278	float	pyrrhotite is massive, source is not obvious from riverbed	15	0.0035	0.8	464	21	31	46	2.5	1
22283	7127708	357680	float	found at base of talus slope near rubble lake	9	0.0035	0.9	274	34	17	31047	91	478
22285	7130885	372405	grab	sample taken at contact between grit and syenite. Both outcrop as cliffs approx 15m in height	5	0.0035	0.05	8	30	24	296	2.5	2
22288	7130840	372545	float	grit conglomerate	7	0.0035	0.05	5	6	16	105	2.5	1
22304	7127507	357595	float	sample taken at base of talus slope. Massive sulphides	72	0	100.1	1426	4902	7236	2835	1982	25
22305	7127507	357595	Float	Found at contact between calc silicate and arg. Syenite in area	237	0	3.3	2023	448	924	34339	292	1
22306	7127507	357595	Float	massive sulphides, purple weathered surface. Deposition seems to be the result of a slide. Found halfway between rubble lake and the hanging valley.	114	0	61	1384	3859	10600	1340	347	1
22307	7127673	357193	Float	river float, greenish weathered surface	1	0	1.4	962	259	493	721	79	1
22308	7132622	361028	Grab	samle taken at contact between dyke and quartzite which shows some arseno mineralisation	5	0	1.2	165	347	246	652	23	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
22309	7132622	361028	Chip	appro 2m from 22308	1	0	0.2	62	70	109	434	22	1
22310	7132622	361028	Chip	quartzite, aspy	20	0.0035	0.05	81	16	0.5	1013	2.5	4
22311	7132622	361028	Chip	quartzite, aspy	30	0.0035	0.05	62	1	0.5	3379	8	25
22316	7128510	357455	Float	gossanous skarn	20	0.0035	1.4	741	9	28	528	2.5	1
22318	7128538	357525	Grab	dike in proximity, corresponding soil sample #22317	36	0.0035	2.7	2834	13	45	153	2.5	1
22319	7128308	357580	Float	argillite, aspy	38	0.0035	2.9	2875	14	62	1624	2.5	1
22320	7128939	357804	Float	found in small gossen which is possibly outcrop but is difficult to tell. Corresponding soil sample sr 100e 1150n.	90	0.0035	0.3	312	19	22	150	5	65
22321	7128901	357783	Float	sulphide replacement of stratigraphy	1	0.0035	0.5	1225	16	39	93	2.5	1
22322	7128865	357705	Float	SR 100E 1075N	1	0.0035	0.7	893	61	37	350	2.5	1
22323	7128865	357705	Float	pyrrho mineralization appears to be oriented with respect to laminae.	13	0.0035	0.7	992	23	29	1768	6	1
24251	7134200	362075	float	Bleached, ser'd qtzite/grit near E marg. of stock. No visible sx but a check sample to determine source of As in Placer soils. (22226/27/28 also)	10	0	0.05	88	34	39	1117	24	5

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24252	7133850	361690	float	Gossonous float near contact of granitic dyke. Appears to be a slst with 2-3% py. Just a check.	10	0	0.6	128	23	29	1124	10	1
24253	7133850	361570	chip	qtzite/slst, strnly alt'd and gossanou. Appears to be a flt lying shear striking 050/10N. Exposed for 20-30 m. Possiblhy some asp/py but too oxidized to certain. Entire	5	0	0.2	66	8	63	1064	2.5	1
24254	7131620	361750	grab	porous grit. Red/orange wx/alt'n. No visible sx.	5	0	0.3	66	29	117	646	2.5	1
24257	7131775	361760	float	qtz vning w/ aspy blebs. Vning within pebble fault.	790	0	3	118	109	8	43964	40	48
24259	7132080	361780	grab	Porous gossan. No recognizable sx. Appears to be fault gouge. Taken at ridge, above soil 24258.	50	0	0.4	246	1	35	1665	42	73
24260	7128300	361250	grab	Thinly laminated, rusty mudstone (arg). No visible sx but occasional cc stringers.	5	0	0.4	56	17	63	383	2.5	1
24261	7128910	361430	grab	Gossonous lenses in calc-silicates. No fresh sx.	5	0	0.4	76	26	36	329	2.5	1
24265	7130130	361260	float	Massive skarn with semi massive aspy, py, po, and cpy.	50	0	81.9	29437	959	2073	2887	199	89
24266	7127340	359730	grab	calc-silicates with 1% diss py, po	5	0	1.8	102	47	117	149	13	1
24268	7127800	359910	grab	Vuggy skarn. No sx. Just a check.	10	0	1.5	685	33	83	348	23	8
24269	7128030	360030	float	Very rusty float. Protolith??? No visible sx. Just a check.	5	0	0.4	268	8	27	53	9	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24270	7128050	360060	grab	Very rusty, coarse Px skarn. Large px and axinite xtals adjacent to narrow 1m aplite dyke striking 110/80 S. 25 m from bear den.	5	0	0.4	196	5	19	213	21	1
24271	7128150	360160	grab	Massive skarn with 10% aspy, 5% py/po/cpy. Take from skarn zone north of bear den.	40	0	1.3	476	18	17	96122	239	158
24272	7130780	358170	float	Px skarn with hornfels bands. Massive to diss po min'n. 1% py <1%aspy	5	0	1.3	867	2	40	2740	2.5	1
24273	7124620	356970	float	Qtz/carb cemented bx. 2-3% diss py, 1-2% sphal. At contact with stock???	100	0	1.5	35	191	2065	2531	32	1
24274	7129250	358000	float	Qtz carb veining with 5% aspy, 2% cpy in blebs and diss.	280	0	4.5	4590	3	43	123636	134	72
24275	7129275	357950	float	skarn with 10% aspy, %5 cpy, occuring as massive blebs and diss	260	0	8.7	7574	8	159	54240	52	87
24276	7129300	357900	grab	Intrusive with qtz-tour veining 5-10% aspy, 5% cpy and 2% py	620	0	16.4	15119	7	161	139167	141	296
24277	7129325	357850	float	Chips from skarn float with aspy, po, cpy min'n, 1-10% sx.	40	0	1	743	1	32	3438	2.5	54
24278	7129350	357800	grab	Px skarn with %5 aspy/cpy. Minor py.	60	0	4.7	3347	1	63	18623	39	65
24284	7127860	359715	grab		20	0	0.8	256	38	46	128	15	1
24285	7128020	359730	grab	Px-garnet skarn with up to 10% combined aspy-py.	60	0	2.7	738	12	41	14394	58	6

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24286	7128022	359725	grab	Px-Gar skarn with blebs and veining of aspy, cpy, py	220	0	35	15671	10	386	19664	2.5	73
24287	7128025	359735	grab	semi-massive aspy veining in qtz matrix.	590	0	0.7	285	21	19	339216	691	445
24288	7128200	360005	grab		100	0	0.8	328	1	14	81333	199	9
24289	7128075	360080	float	Qtz-carb veining with 10-15% aspy.	100	0	6.4	5941	5	79	216138	403	145
24290	7128330	359600	grab	Px skarn with 1cm qtz stringer with minor sx. 1% aspy, 1% cpy and <1% po. Just a check.	26	0.0035	2.1	2053	30	55	1570	13	105
24291	7128100	359475	grab	Misc argillite/skarn. Pieces in wallrock of aspy fault. Diss Po,py,cpy,aspy but no much.	12	0.0035	0.4	470	10	28	1812	8	1
24292	7128020	359200	float	Px-gar skarn with 1-2% diss aspy.	50	0.0035	0.5	55	22	53	3056	13	60
24293	7129210	356950	chip	Hornfelsed arg at contact with syenhitic sill. Rusty. Minor diss py just a check to see metal content at contact.	3	0.0035	0.05	54	8	18	22	12	1
24294	7128850	357660	float	Fine grit in a calc-silicate matrix, 2-3% aspy as blebs and coarse striated crystals. Wx to a godish colour. Some malachite staining. Minor cpy often rimming aspy.	930	0.0035	4.4	1368	6	46	6815	17	912
24295	7128860	357700	float	Same as 24294 but taken across some interval.	698	0.0035	5.2	2005	15	57	2476	13	373
24296	7128870	357720	float	same as 24295	40	0.0035	0.5	245	5	37	3473	10	20

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24300	7132170	361020	Grab	qtz/tourmaline vein	112	0.0035	0.3	57	47	10	14328	25	2
24301	7132225	361060	Grab	grit/quartzite with disseminated arsenopyrite 2-3%, minor pyrite	46	0.0035	2.5	86	3	5	1595	5	2
24302	7132170	361470	Grab	bleached silicified quartzite with <1% arsenopyrite as tiny blebs.	23	0.0035	0.2	33	5	2	2787	6	1
24303	7132005	361435	Float	vuggy pebble grit no sulphides. Just a check. Easterly strike of N pebble.	6	0.0035	0.05	19	18	2	77	5	7
24304	7131915	361325	Float	aspy/chlorite veining found next to N pebble horizon. 5-10% aspy, 1% py/po	2550	2.1	0.9	21	38	0.5	218127	256	431
24305	7132105	361140	Float	qtz-carb veining with fine grained asy stringers up to 1cm wid. Couldn't find much but Dave found aspy/qtz 50m above me. Overall 5% aspy	488	0.0035	0.5	1429	10	23	62554	86	41
24306	7132065	361125	Float	white to yellow stained quartzite with 1-2% aspy, diss and as small blebs. Some vugs and yellowisit scorodite	300	0.0035	2.9	562	8	15	7388	10	8
24307	7127710	357410	Float	diorite/gabbro? Intrusive with 3% py/po taken in stream cut.	1	0.0035	0.5	291	17	31	557	8	1
24321	7129040	374155	Grab	sample of the skarn found near the ridge at hami. Px actinolite replacement of the grit	4	0.0035	0.4	88	24	56	554	2.5	10
24322	7128070	359240	Float	pyroxene garnet skarn. Med to dark green with well formed euhedral garnet clusters. Minor py/po	6	0	0.8	40	1	20	1059	6	1
24323	7128110	359280	Float	pyroxene garnet skarn. Med to dark green with garnet clusters. 1-2% py/po	46	0	0.7	40	1	79	1315	5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24324	7128150	359320	Float	pyroxene garnet skarn. < 1% aspy/cpy	2	0	0.4	29	28	70	160	6	1
24326	7132200	361100	Float	float/subcrop. Bleached quartzite and fine grit. No sulphides. Sample taken across 8m.	3	0	0.05	15	1	9	302	2.5	1
24327	7132200	361120	Grab	mafic fg intrusive diorite?? But no coarse hblnde phenos. Mineralized where 180/-80 E jointing contains qtz/aspy veining.	49	0	0.8	60	49	100	1225	5	1
24328	7132300	361150	Chip	bleached slst/qtzte with <1% aspy, mainly as fine stringers and blebs.	68	0	0.05	44	1	15	1917	6	1
24329	7132600	361140	Float	silicified wallrock in java fault (near ridge)<1% disseminated aspy, mainly on fracture surfaces bleached with quartz eyes.	30	0	0.5	39	1	6	1609	2.5	1
24330	7132620	361150	Float	silicidied wallrock (java fault) < 1% aspy bleached with qtz eyes	41	0	0.4	110	5	20	4388	6	8
24331	7132315	361280	Grab	mineralized quartzite within corridor of 080 jointing 2% aspy/py sample tken at 960N 340E	8	0	0.05	74	1	9	1562	5	1
24332	7132270	361250	Float	qtz/qtzte with 1-3% aspy as blebs and disseminations on or near fracture surfaces	136	0	0.05	41	1	8	5333	2.5	1
24333	7132350	3651270	Grab	1-2cm thick aspy veining in 080/-80S jointing cutting through a 2m thick bed of quartz	3800	3.6	2.1	16	81	17	243796	430	375
24334	7132300	361300	Grab	syenite in draw, just a check to see if any Au/As is bleeding out. Tightly foliated dark brown rust staining 2-3% finely diss py	4	0	0.6	151	11	24	686	9	1
24335	7130600	360640	Grab	took a sample of dark hornfels skarn with 3% diss py/po/cpy very siliceous, just a check.	152	0	1.4	941	1	39	2222	2.5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24336	7132050	361350	Chip	diorite/gabbro sill with 1% diss aspy. Some biotite flakes, bedding in area 110/-60 South	58	0.0035	0.05	184	22	25	1625	2.5	1
24337	7132060	361370	Chip	1m thick diorite/gabbro sill with diss aspy 20m above 24336	76	0.0035	0.05	50	24	18	1425	7	1
24338	7132055	361355	Grab	silicified wallrock next to 24336 qtzite with < 1% diss aspy. 660N 430E	10	0.0035	0.05	80	10	4	1699	2.5	1
24339	7132065	361375	Grab	silicified wallrock next to 24337 qtzte with <1% disseminated aspy. 660N 450E	72	0.0035	0.05	38	7	5	2783	5	1
24340	7132090	361350	Float	strongly silicified zone in hanging wall contact of syenite dyke 080/65N 2-3% aspy as chunky crystals. 430 E 700N	800	0.0035	4.9	851	17	15	18069	16	19
24341	7132095	361355	Grab	aspy veinlets in 5 to 8 m zone of silicification. Aspy hosted in 080/-80S jointing.	12400	12.6	12.4	3442	34	70	135138	57	424
24342	7128750	357680	Grab	coarse calc silicate replacement primarily diopside and some garnet with 2% diss aspy and some py. Looks like a coarse skarn to me. 100W 1150 N-1175 N	10	0.0035	1.6	1170	17	47	6947	2.5	8
24343	7128600	357680	Grab	collection of calcsilicate altered float with 1-2% diss aspy. Often display vuggy. Porous weathering. 100W 1000N.	22	0.0035	2.3	1007	11	33	5358	12	1
24344	7128700	357780	Float	oolitic phyllites with calc silicate hornfelsing. 1-2% diss py/po. Rusty gossanous float at base of apparent syenite sill?? Base 1100N	20	0.0035	5.8	2608	18	69	414	6	1
24345	7128665	357780	Float	rusty calc silicate float with minor fresh py/po. Base 1065N	48	0.0035	2.6	1203	40	41	407	7	38
24346	7128685	357780	Float	rusty float with 1% py/po. Just a check for Au. Base 1085N	2	0.0035	2.8	1618	8	40	111	2.5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24347	7128150	357470	Float	oolitic calc silicate with rust an malachite staining. 2% diss py/po. 300W 550N	104	0.0035	22.5	7940	16	174	387	2.5	8
24348	7128250	357680	Float	mineralized gossanous calc silicate. 1% aspy/py. 100W 650N	72	0.0035	7.1	2690	13	66	1611	2.5	5
24349	7128240	357730	Chip	rusty, gossanous outcrop of calc silicates. Chipped across. Bleached with fine tremolite crystals. Minor visible py. Rusty blebs. 50W 650N	126	0.0035	2.8	1043	14	27	1124	2.5	3
24350	7128350	358020	Grab	massive skarn with 5% aspy, 10-20%po, and 1-2%cpy. Occurs as an interbed in the slst package. 250E 750N	10	0.0035	5.5	4396	35	112	2321	2.5	1
24351	7128900	358060	Grab	pale green calc silicates with rusty blotches caused by blebs and disseminations of py/aspy. 3-5% combined. 300E 1300N	404	0.0035	2.6	1564	16	74	14480	26	26
24352	7128200	357615	Float	porous calc silicate with finely disseminated py/aspy. Taken around 150W 600N. 1-3%finely disseminated py/aspy. Possibly decalsified lst	4E+05	387.5	97.4	3003	1	20	4925	549	47558
24353	7128360	357680	Float	random bag of cs float in the area below the 200g/t sample. Just a check.	19200	20	4.6	1039	8	42	13141	58	2930
24354	7131780	360591	Float	orange weathering mineralized intrusive in extension of fault from pebble zone ridge. 1-2% finely diss aspy, 1%py.	354	0.0035	0.05	45	24	25	21632	29	73
24356	7129200	357580	Chip	massive aspy and pyrrhotite chipped from sulphide pods near syenite contact (in a larger 10x2m gossan) dense and mainly aspy.	898	0.0035	6.4	2805	393	261	247167	915	509
24357	7129200	357675	Chip	1.5-2m wide gossan with syenite dyke.(2m thick, striking 080 dip?) 3% diss aspy, 2% cpy/py, malachite staining	740	0.0035	122.4	27654	28	354	43705	96	451
24358	7129210	357720	Grab	coarse grained (oolitic) calc silicate with 10% aspy, 3% py/cpy. Rusty gossanous pods. Bedded protolith (110/-48S) in contact with syenite.	4370	4.35	4.8	1419	87	36	198835	395	390

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24359	7129210	357740	Grab	calc silicate coarse grained (oolitic) with 5% diss aspy occuring as small euhedral striated crystals. 1% diss py	680	0.0035	0.4	185	25	14	118760	248	53
24360	7132650	360775	chip	Grit bed on North face of Java Ridge. Sparse mineralization with 1-2% aspy/py. Weathered out vug. Bed approximately 4 m thick	37	0.0035	0.3	61	27	27	2364	11	4
24361	7128250	357681	chip	Skarn Ridge - trench 1	360	0	27	11056	27	184	22278	40	35
24362	7128247	357681	chip	Skarn Ridge - trench 1	20	0	4	1070	17	37	1199	2.5	1
24363	7128244	357680	chip	Skarn Ridge - trench 1	28000	30.4	5	1376	16	25	18535	53	1358
24364	7128241	357680	chip	Skarn Ridge - trench 1	1020	1.07	11.2	2250	22	42	49550	102	139
24365	7128238	357679	chip	Skarn Ridge - trench 1	350	0	9.1	4026	14	85	29609	44	32
24366	7128235	357679	chip	Skarn Ridge - trench 1	28	0	3.4	824	19	30	895	2.5	1
24367	7128232	357678	chip	Skarn Ridge - trench 1	40	0	5.9	1698	18	40	2323	2.5	1
24368	7128230	357678	chip	Skarn Ridge - trench 1	112	0	7.3	3939	17	92	10560	18	5
24369	7128228	357677	chip	Skarn Ridge - trench 1	42	0	3.3	1452	10	48	1281	2.5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24370	7128226	357677	chip	Skarn Ridge - trench 1	17	0	4.9	3076	15	96	392	2.5	1
24371	7128224	357676	chip	Skarn Ridge - trench 1	7	0	1	1436	24	55	960	5	1
24372	7128222	357676	chip	Skarn Ridge - trench 1	42	0	3.1	2922	29	86	3497	2.5	1
24373	7128220	357675	chip	Skarn Ridge - trench 1	120	0	10.6	7535	19	146	19452	20	6
24374	7128218	357675	chip	Skarn Ridge - trench 1	88	0	3.5	2510	19	62	24465	31	3
24375	7128216	357674	chip	Skarn Ridge - trench 1	12	0	0.7	1184	17	54	752	2.5	1
24376	7128214	357674	chip	Skarn Ridge - trench 1	162	0	28	17308	15	347	11144	11	18
24377	7128212	357673	chip	Skarn Ridge - trench 1	62	0	15.1	9574	13	181	1820	2.5	2
24378	7128210	357673	chip	Skarn Ridge - trench 1	54	0	22	12614	15	159	10967	11	6
24379	7128208	357672	chip	Skarn Ridge - trench 1	107	0	8.2	5905	10	151	9940	8	1
24380	7128206	357672	chip	Skarn Ridge - trench 1	138	0	12.7	8494	18	205	6751	5	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24381	7128204	357671	chip	Skarn Ridge - trench 1	2	0	1.8	1430	21	40	912	2.5	1
24382	7128202	357671	chip	Skarn Ridge - trench 1	46	0	5.1	3307	28	96	2654	2.5	1
24383	7128200	357670	chip	Skarn Ridge - trench 1	1	0	3.1	2372	21	67	1016	2.5	1
24384	7128198	357670	chip	Skarn Ridge - trench 1	20	0	3	2433	25	78	3525	2.5	1
24385	7128200	357530	float	Vuggy, silicified, "decalcified" Lst., rusty yellow staining & black	8	0.0035	45.5	994	18485	412	3237	62	63
24386	7128200	357510	float	Rusty golitic Lst., skarned with diss. Py/Pd. Malachite/Azurite staining. 2-3% sulphides.	47	0.0035	16.2	5819	84	155	782	6	187
24387	7128120	357600	float	Rusty porous float with some diss. aspy/py 2-3%. <a check sample testing for further 387 g/t material in area>	47	0.0035	7	2098	90	76	2857	2.5	10
24388	7128050	357560	chip	Starting at bottom of trench 4. very fractured.	1160	1.2	3.2	1142	23	52	401	2.5	96
24389	7128051	357560	chip	Skarn Ridge - trench 4	3850	3.8	3.6	1217	16	68	362	5	395
24390	7128052	357560	chip	Skarn Ridge - trench 4	6000	5.73	9.4	4301	16	106	59	11	495
24391	7128053	357560	chip	Skarn Ridge - trench 4	980	0.97	4.4	1907	16	56	84	2.5	68

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24392	7128054	357560	chip	Skarn Ridge - trench 4	6200	6.33	19.5	7897	32	164	146	14	516
24393	7128055	357560	chip	Skarn Ridge - trench 4	3000	3.17	23	10373	23	220	737	11	268
24394	7128056	357560	chip	Skarn Ridge - trench 4	2060	2.07	11.4	5100	16	123	418	6	192
24395	7128200	357630	grab	Near massive trem. with some aspy. replac. 2-3% aspy finely dissem. py/cpy. rusty. (check to see if bonanza high grade)	8800	8.4	14.4	3857	18	49	4437	19	824
24396	7128900	357950	at/subcr	Collection of float pieces with diss. sulphide mineralization. Mainly finely diss. py/aspy (1-2%) in a Px or Px trem. matrix. Trem. mainly as masses of tiny crystals (looks	20	0.0035	2.3	717	19	48	6412	24	36
24397	7128110	357950	at/subcr	Float pieces with sulphide mineralizations incl. extreme skarn & submassive aspy. On eastern extension of 200 zone.	30	0.0035	1.7	318	43	23	43304	128	817
24398	7128120	357950	at/subcr	Just another sample in the same area as 24397 and 24396. More massive aspy in samples. Found some boulders in subcrop.	18	0.0035	1.9	383	24	25	76902	216	1923
24399	7128180	357970	chip	Skarn replacement bed approx. 1m thick interbedded in the silstone. 2-10% aspy, 1-3% py. gossanous bedding in area at 120/-10S (eastern extension of 200 zone)	37	0.0035	1.1	382	49	31	53203	99	457
24400	7128220	358025	at/subcr	Rusty gossanous fracture zone 1.5m wide. Oriented @ 080/-70S. No fresh sulphides.	29	0.0035	0.6	413	22	46	5692	20	18
24401	7128300	358420	float/grab	Rusty extreme skarn. Random grab of 1/2 sac of float material in a rusty area. (check to see if trem. = Au)	3	0.0035	0.7	228	142	166	664	53	1
24402	7128330	358410	at/subcr	Rusty Px trem. Skn moderately porous with finely diss. sulphides (Py or aspy??) similar to the 387g/t (somewhat).	13	0.0035	0.5	419	216	142	1036	83	12

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24403	7128720	358210	at/subcr	Rusty gossanous calc. silicate. No fresh sulphides. 8m from syenite dyke. (check sample)	21	0.0035	1	422	182	124	158	83	1
24404	7128310	357715	chip	60-70% green, fgr-mgr pyx. 15-20% mgr-cgr clear/white trem. 10% fgr cb (calcite). <1% aspy, as mgr diss crystals. 1-2% purple mineral (ax.?), mgr. trem. crystals are 1-2mm	168	0	1.3	807	70	72	992	5	13
24405	7128311	357715	chip	60% pyx (as fgr masses and as cgr xtals intergrown w. trem.). 20-25% mgr-cgr trem. (cgr xtals several cm long). 10% cb (calcite). 1% purple mineral (ax.)?, some pyx may	200	0	0.8	380	17	31	1890	7	21
24406	7128312	357714	chip	Similar mineralogy to 24404,5 (60% pyx, 10-15% trem, 10%calcite, tr. aspy, 2-3% axinite), but more fgr. More purple min'zn.	76	0	0.9	478	67	92	670	2.5	7
24407	7128313	357714	chip	Dominated by d. green actinolite (60-70%), 10-15% white trem., 5-10% pyx. Weathered, gossanous, d. brn/blk colour on all broken surfaces. Rare sulphides throughout: tr. py.	170	0	0.5	309	6	24	851	6	14
24408	7128314	357713	chip	50/50 trem. actinolite. Trem forming well dev. xtals. Act. similar but green. Pyx minor. 1-2% fine to med. grained aspy forming diss. within trem. and med. grained xtals	540	0	1.1	437	5	25	3384	9	79
24409	7128315	357713	chip	60/40 trem./act. skarn with 5% pyx. Tr. pyrite. Strongly gossanous; weathering on all surfaces. No other significant sulphides.	382	0	0.3	257	5	27	1421	5	36
24410	7128316	357712	chip	Skarn Ridge - trench 6	100	0	0.2	197	2	21	1554	6	10
24411	7128317	357712	chip	Skarn Ridge - trench 6	357	0	0.6	282	7	23	1663	2.5	30
24412	7128318	357711	chip	Skarn Ridge - trench 6	282	0	0.9	854	1	41	3606	9	21
24413	7128319	357711	chip	Skarn Ridge - trench 6	406	0	3.3	1489	8	49	4671	8	44

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24414	7128320	357710	chip	Skarn Ridge - trench 6	230	0	0.5	430	14	38	638	2.5	35
24415	7128321	357710	chip	Px, tremolite skarn with 3-7% aspy, 1-3% py/po. Green clag alt'n. Rusty, vuggy/porous.	518	0	0.4	465	14	32	2221	2.5	34
24416	7128322	357709	chip	Qtz./Px./Trem. skarn with 5-10%aspy, 3-5% py/po.	860	0	0.6	706	16	31	11821	22	130
24417	7128323	357709	chip	Skarn Ridge - trench 6	750	0	0.6	463	10	27	13708	21	150
24418	7128324	357708	chip	Skarn Ridge - trench 6	2800	2.6	0.5	534	8	27	22952	48	246
24419	7128325	357708	chip	Skarn Ridge - trench 6	220	0	0.4	486	11	30	6734	10	24
24420	7128326	357707	chip	Skarn Ridge - trench 6	5500	5.2	3.2	1957	26	81	52598	135	710
24421	7128327	357707	chip	Skarn Ridge - trench 6	120	0	0.5	560	7	38	2308	6	8
24422	7128328	357706	chip	Skarn Ridge - trench 6	486	0	0.9	861	21	41	12108	24	59
24423	7128329	357706	chip	Skarn Ridge - trench 6	30	0	0.7	1015	15	43	1453	2.5	1
24424	7128330	357705	chip	Skarn Ridge - trench 6	390	0	1.1	682	18	30	2679	6	39

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24425	7128331	357705	chip	Skarn Ridge - trench 6	160	0	0.7	443	26	78	2897	5	23
24426	7128332	357704	chip	Skarn Ridge - trench 6	179	0	0.7	304	21	27	2788	7	19
24427	7128333	357704	chip	Skarn Ridge - trench 6	447	0	0.5	505	19	18	8133	17	62
24428	7128334	357703	chip	Skarn Ridge - trench 6	2300	2.67	1	322	21	24	22848	56	436
24429	7128335	357703	chip	Skarn Ridge - trench 6	134	0	0.1	228	11	26	3889	8	14
24430	7128336	357702	chip	Skarn Ridge - trench 6	246	0	0.3	389	12	33	2012	5	30
24431	7128337	357702	chip	Skarn Ridge - trench 6	200	0	0.2	275	9	31	1269	5	19
24432	7128338	357701	chip	Skarn Ridge - trench 6	159	0	0.3	271	10	29	832	5	22
24433	7128339	357701	chip	Skarn Ridge - trench 6	250	0	0.2	98	17	45	815	11	33
24434	7128250	357681	chip	Resample	26	0.0035	4.4	1615	25	52	2212	5	1
24435	7128249	357681	chip	Resample	9	0.0035	5.9	1815	28	50	1116	7	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24436	7128248	357681	chip	Resample	8	0.0035	3.6	609	26	40	613	8	1
24437	7128247	357681	chip	Resample	199	0.0035	4.8	930	23	41	732	2.5	1
24438	7128246	357681	chip	Resample	6	0.0035	4.1	1677	23	47	285	2.5	1
24439	7128245	357681	chip	Resample	16	0.0035	16.1	1350	17	41	490	2.5	1
24440	7128244	357680	chip	Resample	37600	39	6.5	1866	11	36	19609	67	2915
24441	7128243	357680	chip	Resample	17000	17.5	5.2	973	14	21	10860	30	989
24442	7128242	357680	chip	Resample	86	0.0035	1.5	346	13	25	9580	17	25
24443	7128241	357680	chip	Resample	20	0.0035	1.3	485	13	29	1285	2.5	6
24444	7128240	357680	chip	Resample	130	0.0035	5.4	902	11	32	527	2.5	3
24445	7128239	357680	chip	Resample	30	0.0035	1.8	437	16	20	1350	9	1
24446	7128251	357682	chip	Skarn Ridge - trench 1 extension	260	0	11.6	8361	10	144	10499	21	27

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24447	7128252	357682	chip	Skarn Ridge - trench 1 extension	274	0	2.5	1623	13	42	14846	28	22
24448	7128253	357683	chip	Skarn Ridge - trench 1 extension	60	0	2.5	1867	13	59	429	2.5	1
24449	7128254	357683	chip	Skarn Ridge - trench 1 extension	60	0	1.7	2052	8	70	615	2.5	1
24450	7128255	357684	chip	Skarn Ridge - trench 1 extension	28	0	1.1	670	10	25	551	2.5	1
24451	7128256	357684	chip	Skarn Ridge - trench 1 extension	36	0	0.9	550	11	22	1466	2.5	1
24452	7128300	357680	grab	Sample of the Hbd Gabbro found on the ridge. (at the 200 zone). 1-2% diss. po weakly to mod. magnetic.	101	0.0035	0.3	185	18	46	375	18	1
24453	7128310	357720	grab	Green dyke. Qtz. biotite Hbd porphyry. fgr. with 3% coarse biotite flakes. Tr. sulphides. pale green, soft groundmass. Mod. fizz with HCL.	6	0.0035	0.4	169	28	37	79	7	1
24454	7128300	357660	grab	Syenite dyke (central one) where it cuts through the gabbro on Skarn Ridge.	2	0.0035	0.05	21	41	37	52	8	1
24455	7128210	357640	chip	Skarn Ridge - trench 8	18	0.0035	1.1	651	15	55	4807	11	1
24456	7128209	357640	chip	Skarn Ridge - trench 8	40	0.0035	0.9	581	23	54	6182	16	1
24457	7128208	357639	chip	Skarn Ridge - trench 8	10	0.0035	0.3	125	17	34	2879	9	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24458	7128207	357639	chip	Skarn Ridge - trench 8	22	0.0035	1.1	630	23	70	1155	11	1
24459	7128206	357638	chip	Skarn Ridge - trench 8	17	0.0035	2.1	1145	17	85	3513	11	1
24460	7128205	357638	chip	Skarn Ridge - trench 8	9	0.0035	0.9	470	22	58	2409	10	1
24461	7128925	357770	grab	Skarn Ridge - trench 8	10	0.0035	0.9	319	9	47	985	16	5
24461A	7128204	357637	chip	Light colored, siliceous calc silicate. minor tr. sulphides.	7	0.0035	1.1	615	16	58	1886	7	1
24462	7128965	357770	grab	Skarn Ridge - trench 8	16	0.0035	0.2	68	8	33	1038	12	23
24462A	7128203	357637	chip	Same as 24261	128	0.0035	0.9	462	19	51	1037	8	1
24464	7128201	357636	chip	Skarn Ridge - trench 8	2	0.0035	0.5	273	16	43	362	8	1
24465	7128200	357635	chip	Skarn Ridge - trench 8	316	0.0035	0.6	373	20	37	673	12	1
24466	7128199	357635	chip	Skarn Ridge - trench 8	20	0.0035	6.8	3900	14	176	6030	8	1
24467	7128198	357634	chip	Skarn Ridge - trench 8	129	0.0035	1.5	1021	14	68	4636	11	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24468	7128197	357634	chip	Skarn Ridge - trench 8	16	0.0035	3.5	2043	11	103	5682	13	1
24469	7128196	357633	chip	Skarn Ridge - trench 8	21	0.0035	1.1	676	12	37	6277	11	1
24470	7128195	357633	chip	Skarn Ridge - trench 8	36	0.0035	2.1	1467	22	75	14616	16	1
24471	7128194	357632	chip	Skarn Ridge - trench 8	21	0.0035	1.5	1014	16	66	3654	13	1
24472	7128193	357632	chip	Skarn Ridge - trench 8	146	0.0035	0.3	348	13	41	755	5	1
24473	7128195	357636	grab	Skarn Ridge - trench 8	20	0.0035	1.7	1378	21	88	9492	11	1
24474	7128605	357750	float/grab	Talus pieces with tremolite replacement and 1% po/cpy mineralization. Some malachite staining.	14	0.0035	4.5	2327	20	78	330	9	1
24475	7128650	357745	float/grab	Calc silicate with trem. replacement. Finely diss Py/Cpy mineralization in trem. bands + pods. (should run) Rusty staining.	310	0.0035	12.9	6795	47	174	1581	22	202
24476	7128675	357745	float/grab	Calc silicate with pods of rusty, bladed trem. finely dissem. py/cpy in the trem.	296	0.0035	21.5	6964	7	200	178	21	726
24477	7128735	357750	float/grab	Calc silicate with 1% finely diss. py/cpy mainly assoc. with fine trem. Rust staining.	30	0.0035	3	1493	31	105	108	11	18
24478	7128765	357665	float/grab	Dark colored carbonate with 1% coarse aspy crystals.	232	0.0035	1.4	554	11	47	3067	7	69

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24479	7128825	357745	float/grab	Dark green, oolitic calc silicatewith 1-2% coarse striated aspy crystals. Rusty bands and slebs.	18	0.0035	1.1	619	13	52	3037	13	10
24480	7128890	357745	float/grab	Pale to med. green calc. silicate with 1-2% diss. py. (cpy?) TOO COLD!	1	0.0035	0.7	210	17	37	1002	8	1
24481	7128930	357745	float/grab	Px trem. skarn with 1% finely diss. py/cpy.	22	0.0035	1	430	19	50	1188	7	34
24482	7128250	357830	float/grab	Gossanous vuggy, porous boulder 5% aspy.	213	0.0035	1.4	806	256	22	51448	235	100
24483	7128515	357810	float/grab	Calc silicate, rusty + vuggy/porous with fine trem. patches. 1% diss. py/aspy/cpy.	26	0.0035	6.1	3986	27	110	1756	18	1
24484	7128565	357810	loat gra	Oolitic calc-silicate with tremolite replacement. Rusty yellow staining. Minor sulphides	61	0.0035	0.5	407	12	24	559	21	6
24485	7128840	356940	drock gr	Carbonate veining in gabbro. 1-2% pyrrhotite/galena/pyrite.	8	0.0035	0.1	76	9	8	274	2.5	1
24486	7128780	356760	loat Gra	Quartz float with minor rust staining and trace pyrite.	1	0.0035	0.05	31	1	4	116	2.5	1
24487	7128210	357910	loat gra	Rusty, vuggy pyroxene tremolite skarn with diss aspy/py/cpy mineralization	156	0.0035	37	16950	46	387	33717	54	33
24488	7128209	357643	drock gr	Massive to submassive tremolite band within thinly banded pyroxene skarn. 3-5% finely diss py/cpy	142	0.0035	12.4	7122	30	266	6964	17	14
24489	7128204	357640	Grab	Porous, malachite stained rusty float. 2-4% cpy, finely disseminated. Minor py/aspy.	23	0.0035	6.5	4383	15	250	1692	7	1

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
24490	7128202	357640	drock gr	Cherty, rusty argillite with 3-5% diss cpy/aspy/py. Occurs as a .3m wide band	3	0.0035	2.7	1904	38	138	5242	12	1
24491	7127690	357391	drock gr	Massive cpy/pyrrhotite at contact of syenite dyke in Skarn Valley creek bed	10	0.0035	4.9	4196	92	169	294	2.5	1
24492	7127690	357390	drock gr	Bleached, rusty zone next to syenite. 3% diss po/cpy	1	0.0035	4.3	1880	383	80	398	10	1
24493	7128600	357770	loat gra	Thinly laminated argillite with minor disseminated pyrite	6	0.0035	0.1	152	18	52	130	2.5	1
24494	7128650	357770	loat gra	Oolitic calc-silicate. Rust stained, fine bladed tremolite. <1% disseminated py.	9	0.0035	1.2	672	16	39	94	6	1
24495	7128675	357770	loat gra	Oolitic calc-silicate. 2-3% po/cpy	6	0.0035	4.5	2367	14	96	69	2.5	1
24496	7128725	357770	loat gra	Calc-silicate. Malachite staining and rusty finely bladed tremolite patches. Minor axinite.<1% sulphides(py/cpy)	5	0.0035	1.7	982	15	97	61	2.5	1
24497	7128800	357770	loat gra	Oolitic calc silicate. Patchy rust staining. 1-3% py/cpy. 1% coarse stristed aspy crystals	37	0.0035	0.9	417	13	35	1950	9	28
8921	7128057	357561	chip	Skarn Ridge - trench 4 extension	2800	2.8	16.2	6663	49	163	742	15	240
8922	7128058	357561	chip	Skarn Ridge - trench 4 extension	1470	1.4	9.9	4584	35	124	852	19	103
8923	7128059	357562	chip	Skarn Ridge - trench 4 extension	2700	2.64	5	2280	14	64	236	8	190

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
8925	7128060	357562	chip	Skarn Ridge - trench 4 extension	1000	0.95	14	6013	24	148	274	6	60
8926	7128061	357563	chip	Skarn Ridge - trench 4 extension	1330	1.3	13.4	5875	23	145	2274	12	97
8927	7128062	357563	chip	Skarn Ridge - trench 4 extension	630	0.0035	19.6	8150	16	190	6629	12	69
8928	7128063	357564	chip	Skarn Ridge - trench 4 extension	696	0.0035	26.5	11827	24	263	4230	11	78
8929	7128064	357564	chip	Skarn Ridge - trench 4 extension	170	0.0035	13.9	5827	21	148	8784	28	33
8930	7128065	357565	chip	Skarn Ridge - trench 4 extension	538	0.0035	12.7	5726	24	151	29286	77	133
8931	7128066	357565	chip	Skarn Ridge - trench 4 extension	92	0.0035	4.5	2088	19	61	485	11	15
8932	7128067	357566	chip	Skarn Ridge - trench 4 extension	180	0.0035	12.7	5554	14	150	331	10	21
8933	7128068	357566	chip	Skarn Ridge - trench 4 extension	230	0.0035	31	14239	12	364	1001	2.5	40
8934	7128069	357566	chip	Skarn Ridge - trench 4 extension	192	0.0035	14.7	6129	19	172	1908	14	20
8935	7128070	357566	chip	Skarn Ridge - trench 4 extension	139	0.0035	10.9	5075	11	136	3162	14	6

Sample	Northing	Easting	Sample Type	Description	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Bi ppm
8936	7128071	357567	chip	Skarn Ridge - trench 4 extension	236	0.0035	5.1	2184	21	70	5941	22	6
8937	7128072	357567	chip	Skarn Ridge - trench 4 extension	350	0.0035	9.7	4727	18	134	1897	12	6
8938	7128073	357567	chip	Skarn Ridge - trench 4 extension	290	0.0035	5.2	2591	19	77	5474	15	12
8939	7128074	357568	chip	Skarn Ridge - trench 4 extension	372	0.0035	5.9	2474	45	104	3264	15	32
8940	7128075	357568	chip	Skarn Ridge - trench 4 extension	920	0.0035	5.2	2292	30	102	2945	13	53
8941	7128076	357568	chip	Skarn Ridge - trench 4 extension	1570	1.7	5.5	2652	32	123	3348	13	99
8942	7128077	357568	chip	Skarn Ridge - trench 4 extension	4360	4.3	7.7	3489	28	133	3155	16	290
Dummy	7128779	357093	Float	gritstone with clasts up to 10 mm replaced by pyrrhotite and chalcopyrite, sample consists of 95% po and 5% cpy	183	0	1.2	1234	45	60	1160	11	45

Appendix II

Assay Certificates

CERTIFICATE OF ANALYSIS
iPL 98J1104

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898
[110412:53:08:89101998]

Homestake Canada Inc
Project : 90822 Yukon
Shipper : Brian Traub
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

10 Samples Out: Oct 16, 1998 In: Oct 15, 1998

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	10	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada					
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Em:dbordin@homestake.com					
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Canada					
Att: Mike Papageorge Ph:604/684-2345					
Fx:604/684-9831					
Em:yukonexp@homestake.com					

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbi eet
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 98J1104

Client : Homestake Canada Inc
Project: 90822 Yukon

10 Samples
10=Rock

[110412:53:08:89101998]

Out: Oct 16, 1998
In : Oct 15, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
8901	Rock	182	—	14.7	806	16483	844	8349	1.2%	4	<1	<10	112	75.2	66	34	<2	<5	27
1397	Rock	16	—	1.2	15	258	11	103	185	<3	3	<10	<2	1.5	4	11	297	<5	221
1399	Rock	183	—	0.2m	1069	18418	3.5%	138	3.0%	<3	<1	<10	1969	0.2m	1	4	<2	184	5
1400	Rock	2	—	0.5	13	789	262	59	734	<3	2	<10	13	2.7	1	10	74	<5	222
1401	Rock	<2	—	0.2	7	85	59	13	98	<3	1	<10	<2	0.9	1	8	69	<5	224
19980	Rock	<2	—	0.3	4	155	24	8	143	<3	3	<10	<2	0.7	1	6	27	<5	235
19981	Rock	6	—	0.2	4	442	14	22	38	<3	6	<10	<2	0.4	1	6	38	<5	188
19982	Rock	8	—	0.3	11	20	31	89	21	<3	3	<10	<2	1.4	1	10	93	<5	156
20737	Rock	38	—	27.5	2.8%	43	567	3.4%	31	<3	<1	<10	77	18.3	32	38	<2	17	48
20739	Rock	5	—	0.8	926	38	56	441	6	<3	2	<10	<2	42.1	35	47	20	<5	41
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98J1104

INTERNATIONAL PLASMA LABORATORY LTD
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: 90822 Yukon

10 Samples
10=Rock

[110412:53:08:89101998]

Out: Oct 16, 1998
In : Oct 15, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
8901	24	2690	<2	16	6	<1	<0.01	0.03	1.30	28%	0.39	<0.01	<0.01	0.01
1397	<2	51	<2	3	1	<1	<0.01	0.01	0.02	0.75	0.01	0.01	0.01	<0.01
1399	2	862	<2	12	<1	<1	<0.01	0.01	0.61	2.73	<0.01	<0.01	<0.01	<0.01
1400	3	86	<2	1	1	<1	<0.01	0.07	0.02	0.45	0.06	0.01	0.02	<0.01
1401	3	101	<2	1	2	<1	<0.01	0.04	0.02	0.38	0.01	0.02	0.02	0.01
19980	<2	26	<2	1	1	<1	<0.01	0.01	<0.01	0.33	<0.01	<0.01	0.01	<0.01
19981	5	47	<2	3	3	1	<0.01	0.09	0.01	0.34	<0.01	0.01	0.01	0.02
19982	7	64	<2	2	1	1	<0.01	0.30	0.02	0.81	0.13	0.04	0.01	0.01
20737	9	194	16	20	3	<1	0.02	0.47	1.58	8.52	0.11	0.01	0.13	0.07
20739	56	157	3	22	9	3	0.12	1.72	0.38	15%	0.35	0.05	<0.01	0.09
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98J1105

INTERNATIONAL PLASMA LABORATORY LTD
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898
[110512:24:35:89102098]

Homestake Canada Inc
Project : 90822 Yukon
Shipper : Brian Traub
Shipment: PO#:

Analysis:
Whole Rock Analysis

Comment:

6 Samples Out: Oct 20, 1998 In: Oct 15, 1998

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	6	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0405	WRock	%	Al203 Whole Rock	Al203	0.01	100.00
02	0408	WRock	%	BaO Whole Rock	BaO	0.01	100.00
03	0406	WRock	%	CaO Whole Rock	CaO	0.01	100.00
04	0409	WRock	%	Fe203 Whole Rock	Fe203	0.01	100.00
05	0403	WRock	%	K20 Whole Rock	K20	0.01	100.00
06	0402	WRock	%	MgO Whole Rock	MgO	0.01	100.00
07	0404	WRock	%	MnO Whole Rock	MnO	0.01	100.00
08	0410	WRock	%	Na20 Whole Rock	Na20	0.01	100.00
09	0411	WRock	%	P205 Whole Rock	P205	0.01	100.00
10	0401	WRock	%	Si02 Whole Rock	Si02	0.01	100.00
11	0407	WRock	%	Ti02 Whole Rock	Ti02	0.01	100.00
12	0417	GeoSp	%	Loss on Ignition @ 2000 F	Loss on Ignition	0.01	100.00
13	0420	WRock	%	Total Whole Rock	Total	0.01	105.00

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

CERTIFICATE OF ANALYSIS
iPL 98J1105

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: 90822 Yukon

6 Samples
6=Rock

[110512:24:35:89102098]

Out: Oct 20, 1998
In : Oct 15, 1998

Sample Name	Type	Al2O3 %	BaO %	CaO %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	Total %
01398	Rock	15.45	0.20	6.32	6.70	5.28	2.47	0.12	2.31	0.25	53.41	0.67	6.51	99.69
19609	Rock	15.47	0.53	7.18	6.21	7.09	3.86	0.07	1.21	0.41	55.13	0.73	1.14	99.03
19615	Rock	15.46	0.34	7.89	5.85	5.91	3.79	0.08	1.40	0.27	56.59	0.72	1.46	99.76
19616	Rock	15.29	0.28	8.58	8.02	6.07	5.65	0.14	1.75	0.33	51.68	0.74	1.17	99.70
19617	Rock	15.61	0.27	7.68	5.81	5.76	3.97	0.12	1.86	0.34	56.40	0.76	0.86	99.44
19618	Rock	15.75	0.16	4.68	5.04	5.71	1.91	0.08	2.78	0.21	62.43	0.47	0.39	99.61
Minimum Detection		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	105.00
Method		WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	GeoSp	WRock

---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98J1068

INTERNATIONAL PLASMA LABORATORY LTD
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898
[106812:03:27:89100698]

Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

113 Samples Out: Oct 05, 1998 In: Oct 01, 1998

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	14	Rock	crush, split & pulverize	12M/Dis	03M/Dis
B111	99	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Em:dkuran@homestake.com

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Canada
Att: Mike Papageorge Ph:604/684-2345
Fx:604/684-9831
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0354	FAGrav	g/mt	Ag FA/Grav in g/mt	Silver	0.3	99999.0
04	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
05	0711	ICP	ppm	Cu ICP	Copper	1	20000
06	0714	ICP	ppm	Pb ICP	Lead	2	20000
07	0730	ICP	ppm	Zn ICP	Zinc	1	20000
08	0703	ICP	ppm	As ICP	Arsenic	5	10000
09	0702	ICP	ppm	Sb ICP	Antimony	5	1000
10	0732	ICP	ppm	Hg ICP	Mercury	3	10000
11	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
12	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
13	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
14	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
15	0710	ICP	ppm	Co ICP	Cobalt	1	10000
16	0718	ICP	ppm	Ni ICP	Nickel	1	10000
17	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
18	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
19	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
20	0729	ICP	ppm	V ICP	Vanadium	2	10000
21	0716	ICP	ppm	Mn ICP	Manganese	1	10000
22	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
23	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
24	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
25	0736	ICP	ppm	Sc ICP	Scandium	1	10000
26	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
27	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
28	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
29	0712	ICP	%	Fe ICP	Iron	0.01	10.00
30	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
31	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
32	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
33	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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BC Certified Assayer: David Chiu

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Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 98J1068

Client : Homestake Canada Inc
Project: 90822 Yukon

113 Samples
14=Rock 99=Soil

[106812:03:27:89100698]

Out: Oct 05, 1998
In : Oct 01, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
01394	Rock	50m	50.00	1586.4	0.1m	26	2436	67	63	18	10	118	<10	<2	4.6	1	10	512	<5
01395	Rock	1900	1.93	—	1.9	152	24	16	9474	20	<3	6	<10	535	7.4	35	17	23	<5
01396	Rock	62	—	—	1.6	84	27	33	438	<5	<3	3	<10	<2	7.1	43	61	145	<5
24016	Rock	20	—	—	0.8	41	22	31	140	<5	<3	4	<10	<2	3.8	1	11	113	<5
24017	Rock	116	—	—	0.4	48	45	526	196	15	<3	5	<10	<2	19.0	5	104	286	<5
24018	Rock	2	—	—	0.2	62	7	150	176	<5	<3	6	<10	<2	11.4	2	46	132	<5
24019	Rock	20	—	—	0.3	145	11	295	471	<5	<3	8	<10	<2	24.5	20	80	433	<5
24020	Rock	83	—	—	0.1	141	10	314	186	<5	<3	8	<10	<2	24.0	6	108	92	<5
24021	Rock	4	—	—	0.4	68	18	46	2739	<5	12	3	<10	<2	18.4	2	18	203	<5
24022	Rock	6	—	—	0.4	69	11	313	232	<5	<3	3	<10	<2	17.4	2	25	89	<5
24048	Rock	3	—	—	0.3	4	2	3	14	<5	<3	2	<10	<2	0.7	1	6	16	<5
24049	Rock	44	—	—	0.1	63	10	224	293	<5	<3	8	<10	<2	11.8	4	38	304	<5
24050	Rock	767	0.83	—	1.7	90	26	40	410	13	<3	58	<10	<2	4.6	17	8	223	<5
24463	Rock	5	—	—	0.8	387	27	49	631	5	<3	5	<10	<2	7.3	25	43	57	<5
EC- 0N+ 25E	Soil	3	—	—	0.3	16	16	51	46	<5	<3	3	<10	<2	5.4	7	17	211	5
EC- 0N+ 50E	Soil	<2	—	—	<0.1	15	12	51	59	<5	<3	3	<10	<2	5.7	9	19	286	<5
EC- 0N+ 75E	Soil	<2	—	—	<0.1	19	15	55	69	<5	<3	2	<10	<2	5.3	9	19	263	<5
EC- 0N+100E	Soil	24	—	—	0.2	16	20	57	82	<5	<3	2	<10	<2	6.4	11	21	260	<5
EC-300N+ 75E	Soil	162	—	—	0.1	27	11	72	44	<5	<3	3	<10	<2	4.5	9	23	258	<5
EC-300N+100E	Soil	8	—	—	<0.1	31	12	56	56	<5	<3	3	<10	<2	4.3	9	21	315	<5
EC-300N+125E	Soil	6	—	—	<0.1	16	10	42	49	<5	<3	2	<10	<2	5.2	7	19	132	<5
EC-300N+150E	Soil	<2	—	—	<0.1	12	12	51	37	<5	<3	2	<10	<2	5.5	6	12	111	<5
EC-300N+175E	Soil	<2	—	—	0.2	14	8	86	45	<5	3	3	<10	<2	5.9	11	19	267	<5
EC-300N+200E	Soil	<2	—	—	0.4	13	10	53	69	<5	<3	2	<10	<2	6.0	10	21	159	<5
EC-300N+225E	Soil	<2	—	—	0.1	16	11	56	61	<5	<3	4	<10	<2	5.7	10	22	205	<5
EC-300N+250E	Soil	2	—	—	0.3	25	10	75	78	<5	<3	3	<10	<2	6.6	12	26	166	<5
EC- 0N+ 25W	Soil	45	—	—	<0.1	18	13	53	91	<5	<3	4	<10	<2	6.1	7	18	164	<5
EC- 0N+ 50W	Soil	12	—	—	<0.1	12	14	53	62	<5	<3	4	<10	<2	7.7	8	14	87	<5
EC- 0N+150W	Soil	48	—	—	0.4	21	17	67	73	<5	<3	3	<10	<2	4.4	10	17	432	<5
EC-600N+ 0W	Soil	15	—	—	0.1	18	12	53	54	<5	<3	3	<10	<2	5.6	7	20	226	<5
EC-600N+ 25W	Soil	9	—	—	<0.1	24	8	59	56	<5	<3	3	<10	<2	5.8	7	21	220	<5
EC-600N+ 50W	Soil	6	—	—	0.1	14	12	58	46	<5	<3	2	<10	<2	5.3	7	17	221	<5
EC-600N+ 75W	Soil	21	—	—	0.5	23	18	82	57	<5	<3	2	<10	<2	5.9	8	20	257	<5
EC-600N+100W	Soil	93	—	—	<0.1	27	19	64	104	<5	<3	2	<10	<2	6.1	9	27	178	<5
EC-600N+125W	Soil	90	—	—	0.2	30	24	82	118	<5	<3	1	<10	<2	5.7	8	22	129	<5
EC-600N+175W	Soil	66	—	—	0.2	23	36	80	88	<5	<3	4	<10	<2	5.6	5	18	141	<5
EC-600N+275W	Soil	<2	—	—	<0.1	27	7	53	38	<5	<3	1	<10	<2	4.4	7	18	200	<5
EC-600N+325W	Soil	6	—	—	<0.1	21	12	53	35	<5	<3	2	<10	<2	4.7	6	16	91	<5
EUR1- 0+ 00	Soil	3	—	—	<0.1	14	12	61	62	<5	<3	2	<10	<2	6.6	7	18	166	<5
Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	99999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98J1068

INTERNATIONAL PLASMA LABORATORY LTD
2036 Columbia Street
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Client : Homestake Canada Inc
Project: 90822 Yukon

113 Samples
14=Rock 99=Soil

[106812:03:27:89100698]

Out: Oct 05, 1998
In : Oct 01, 1998

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
01394	232	4	42	3	10	2	<1	<0.01	0.12	0.01	1.70	0.01	0.05	<0.01	0.06
01395	21	14	118	5	56	5	1	0.04	0.88	1.04	3.84	0.07	0.05	0.10	0.14
01396	17	140	255	8	381	15	7	0.43	3.96	4.09	3.01	0.75	0.14	0.49	0.15
24016	135	28	20	8	43	2	1	<0.01	0.23	0.03	2.05	0.01	0.08	<0.01	0.06
24017	79	46	44	8	11	2	1	<0.01	0.36	0.02	9.28	0.01	0.04	<0.01	0.29
24018	121	61	53	4	11	2	1	<0.01	0.33	0.01	5.79	0.01	0.03	<0.01	0.17
24019	92	50	141	5	11	3	1	0.01	0.35	0.01	11%	0.01	0.04	<0.01	0.34
24020	95	47	69	3	4	3	1	0.01	0.34	0.01	11%	0.02	0.04	<0.01	0.32
24021	102	28	35	4	11	3	1	<0.01	0.29	0.01	8.80	<0.01	0.02	<0.01	0.08
24022	108	17	22	6	6	3	3	<0.01	0.28	<0.01	8.17	<0.01	0.03	<0.01	0.09
24048	219	2	22	<2	1	1	<1	<0.01	0.01	<0.01	0.39	<0.01	0.01	0.01	<0.01
24049	131	66	37	7	22	1	1	<0.01	0.27	0.01	6.03	<0.01	0.02	<0.01	0.17
24050	148	23	941	6	26	<1	1	<0.01	0.22	0.01	2.51	<0.01	0.01	<0.01	0.04
24463	78	61	161	11	145	8	4	0.16	2.76	2.07	3.41	0.48	0.31	0.24	0.14
EC- 0N+ 25E	22	63	454	8	15	1	2	0.04	1.27	0.15	2.78	0.23	0.04	<0.01	0.08
EC- 0N+ 50E	25	67	211	9	19	2	2	0.05	1.42	0.18	2.82	0.36	0.05	<0.01	0.02
EC- 0N+ 75E	26	63	261	12	17	2	2	0.04	1.35	0.12	2.69	0.39	0.04	<0.01	0.02
EC- 0N+100E	28	74	278	10	17	2	2	0.04	1.75	0.14	3.04	0.39	0.05	<0.01	0.03
EC-300N+ 75E	38	54	313	12	21	1	4	0.04	0.90	0.21	2.20	0.29	0.04	<0.01	0.08
EC-300N+100E	36	51	324	11	18	1	4	0.03	0.96	0.13	2.20	0.23	0.04	<0.01	0.08
EC-300N+125E	25	55	164	7	7	1	2	0.04	1.55	0.06	2.57	0.34	0.03	<0.01	0.02
EC-300N+150E	21	60	260	8	7	<1	1	0.04	1.23	0.07	2.66	0.24	0.03	<0.01	0.10
EC-300N+175E	24	61	277	9	16	1	2	0.04	1.34	0.15	2.61	0.34	0.05	<0.01	0.05
EC-300N+200E	27	66	193	9	12	2	2	0.04	1.98	0.12	2.79	0.40	0.04	<0.01	0.02
EC-300N+225E	25	63	255	10	14	1	2	0.04	1.60	0.12	2.70	0.33	0.04	<0.01	0.05
EC-300N+250E	28	68	455	12	12	1	2	0.04	1.84	0.10	3.22	0.37	0.05	<0.01	0.08
EC- 0N+ 25W	28	66	198	11	10	1	2	0.04	1.84	0.07	3.01	0.31	0.03	<0.01	0.04
EC- 0N+ 50W	26	84	302	9	8	2	2	0.07	1.46	0.09	3.86	0.24	0.03	<0.01	0.05
EC- 0N+150W	24	40	348	13	31	1	2	0.03	1.36	0.29	2.11	0.32	0.05	0.01	0.07
EC-600N+ 0W	21	48	264	12	10	2	2	0.02	1.13	0.07	2.71	0.25	0.04	<0.01	0.02
EC-600N+ 25W	19	40	279	13	9	2	2	0.02	1.18	0.07	2.89	0.26	0.06	<0.01	0.05
EC-600N+ 50W	21	49	503	10	11	1	2	0.03	1.11	0.11	2.66	0.30	0.06	<0.01	0.10
EC-600N+ 75W	22	34	525	22	13	1	2	0.02	0.50	0.07	2.88	0.10	0.10	<0.01	0.08
EC-600N+100W	29	51	168	15	12	1	3	0.04	1.59	0.09	2.77	0.40	0.06	<0.01	0.02
EC-600N+125W	25	47	150	18	10	1	2	0.04	1.14	0.07	2.75	0.32	0.12	<0.01	0.03
EC-600N+175W	24	64	227	22	10	1	2	0.05	0.69	0.06	2.81	0.17	0.11	<0.01	0.13
EC-600N+275W	26	47	191	11	16	1	3	0.05	1.29	0.19	2.42	0.44	0.03	<0.01	0.04
EC-600N+325W	22	46	197	14	13	1	2	0.04	0.99	0.15	2.19	0.34	0.03	<0.01	0.06
EUR1- 0+ 00	25	70	222	11	9	1	2	0.05	1.32	0.08	3.30	0.32	0.04	<0.01	0.12
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Client : Homestake Canada Inc
Project: 90822 Yukon

113 Samples
14=Rock 99=Soil

[106812:03:27:89100698]

Out: Oct 05, 1998
In : Oct 01, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
EUR1- 0+ 50	Soil	6	—	—	<0.1	18	14	64	74	<5	<3	1	<10	<2	5.5	9	16	385	<5
EUR1- 0+100	Soil	<2	—	—	<0.1	15	9	63	70	<5	<3	1	<10	<2	5.6	10	15	313	<5
EUR1- 0+150	Soil	9	—	—	0.1	18	8	54	56	<5	<3	1	<10	<2	4.7	7	17	300	<5
EUR1- 0+200	Soil	<2	—	—	0.2	26	12	67	80	<5	<3	2	<10	<2	6.2	9	19	428	<5
EUR1- 0+250	Soil	6	—	—	0.2	23	15	69	81	<5	<3	2	<10	<2	6.3	14	25	280	<5
EUR1- 0+300	Soil	3	—	—	<0.1	21	7	60	55	<5	<3	2	<10	<2	5.1	10	19	311	<5
EUR1- 0+350	Soil	12	—	—	0.2	21	10	61	59	<5	<3	3	<10	<2	5.3	8	19	273	<5
EUR1- 0+400	Soil	3	—	—	0.3	24	14	67	68	<5	<3	1	<10	<2	6.6	10	21	497	<5
EUR1- 0+450	Soil	2	—	—	0.2	31	17	71	83	<5	<3	2	<10	<2	7.4	13	30	485	<5
EUR1- 0+500	Soil	<2	—	—	<0.1	24	15	68	66	<5	<3	3	<10	<2	6.2	11	26	348	<5
EUR1- 0+550	Soil	12	—	—	0.2	19	14	58	53	<5	<3	2	<10	<2	5.4	9	20	222	<5
EUR1- 0+650	Soil	6	—	—	0.2	24	11	65	46	<5	<3	2	<10	<2	5.3	10	21	292	<5
EUR1- 0+700	Soil	<2	—	—	0.1	24	16	66	67	<5	<3	3	<10	<2	6.0	12	28	323	<5
EUR1- 0+750	Soil	2	—	—	<0.1	21	14	52	50	<5	<3	3	<10	<2	3.9	10	16	322	<5
EUR1- 0+800	Soil	116	—	—	<0.1	22	17	70	66	<5	<3	3	<10	<2	5.6	10	26	374	<5
EUR1- 0+900	Soil	16	—	—	<0.1	23	10	48	68	<5	<3	3	<10	<2	4.6	7	18	301	<5
EUR1- 0+950	Soil	8	—	—	<0.1	23	12	56	69	<5	<3	1	<10	<2	5.4	7	20	400	<5
EUR1- 1+0000	Soil	2	—	—	<0.1	27	15	57	73	<5	4	2	<10	<2	5.6	10	23	358	<5
EUR1- 1+0050	Soil	10	—	—	<0.1	22	11	44	47	<5	<3	2	<10	<2	4.3	7	15	251	<5
EUR1- 1+0100	Soil	4	—	—	<0.1	19	15	54	56	<5	<3	2	<10	<2	5.3	10	16	494	<5
EUR1- 1+0150	Soil	10	—	—	<0.1	23	11	50	47	<5	<3	3	<10	<2	4.9	9	17	362	<5
EUR1- 1+0200	Soil	20	—	—	<0.1	24	9	57	50	<5	<3	2	<10	<2	5.4	8	19	289	<5
EUR1- 1+0250	Soil	14	—	—	<0.1	24	10	64	52	<5	<3	2	<10	<2	5.0	9	20	295	<5
EUR1- 1+0300	Soil	8	—	—	<0.1	27	11	71	58	<5	<3	2	<10	<2	5.7	11	23	363	<5
EUR1- 1+0350	Soil	29	—	—	<0.1	25	14	54	86	<5	<3	2	<10	<2	5.7	8	19	228	<5
EUR1- 1+0400	Soil	<2	—	—	<0.1	25	15	68	71	<5	<3	2	<10	<2	6.5	11	23	266	<5
EUR2- 0+00S	Soil	<2	—	—	<0.1	21	16	69	59	<5	<3	3	<10	<2	5.7	10	19	199	<5
EUR2- 0+50S	Soil	11	—	—	<0.1	18	13	60	61	<5	3	3	<10	<2	5.8	9	17	348	<5
EUR2- 1+00S	Soil	13	—	—	0.1	12	17	63	46	<5	<3	2	<10	<2	5.9	8	19	510	<5
EUR2- 1+50S	Soil	7	—	—	<0.1	15	14	60	57	<5	<3	2	<10	<2	5.7	9	19	339	<5
EUR2- 2+00S	Soil	3	—	—	<0.1	22	16	65	66	<5	<3	4	<10	<2	6.2	14	20	385	<5
EUR2- 2+50S	Soil	8	—	—	<0.1	23	16	68	66	<5	<3	3	<10	<2	6.2	13	20	304	<5
EUR2- 3+00S	Soil	2	—	—	<0.1	27	16	71	88	<5	<3	1	<10	<2	6.9	11	31	385	<5
EUR2- 3+50S	Soil	<2	—	—	<0.1	18	18	56	58	<5	<3	3	<10	<2	5.6	12	22	382	<5
EUR2- 4+00S	Soil	<2	—	—	0.2	21	15	60	66	<5	<3	2	<10	<2	5.9	11	29	430	<5
EUR2- 4+50S	Soil	12	—	—	0.1	22	15	61	64	<5	<3	2	<10	<2	5.7	9	27	254	<5
EUR2- 5+00S	Soil	21	—	—	<0.1	18	11	52	49	<5	<3	2	<10	<2	4.7	7	16	282	<5
EUR2- 5+50S	Soil	4	—	—	0.2	20	10	66	57	<5	<3	1	<10	<2	4.8	10	20	321	<5
EUR2- 6+00S	Soil	7	—	—	0.1	14	11	55	76	<5	<3	2	<10	<2	5.6	13	20	406	<5
Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	99999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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113 Samples
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[106812:03:27:89100698]

Out: Oct 05, 1998
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Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
EUR1- 0+ 50	24	54	312	13	18	2	3	0.05	1.56	0.18	2.84	0.39	0.06	<0.01	0.09
EUR1- 0+100	26	56	401	11	16	1	2	0.05	1.55	0.17	2.83	0.37	0.09	<0.01	0.07
EUR1- 0+150	23	49	182	15	16	1	3	0.06	1.33	0.16	2.44	0.33	0.06	<0.01	0.04
EUR1- 0+200	30	65	214	14	22	3	3	0.06	1.93	0.22	3.06	0.42	0.07	<0.01	0.05
EUR1- 0+250	32	63	351	18	18	2	3	0.05	1.46	0.14	3.11	0.31	0.08	<0.01	0.06
EUR1- 0+300	26	54	245	16	20	2	3	0.06	1.39	0.21	2.60	0.41	0.05	<0.01	0.04
EUR1- 0+350	27	55	282	15	20	1	3	0.06	1.39	0.20	2.64	0.39	0.07	<0.01	0.05
EUR1- 0+400	31	64	280	13	28	2	3	0.06	1.73	0.29	3.23	0.48	0.13	<0.01	0.08
EUR1- 0+450	34	72	412	16	23	3	4	0.07	1.97	0.25	3.48	0.48	0.10	<0.01	0.04
EUR1- 0+500	32	63	287	15	21	3	4	0.06	1.71	0.23	3.00	0.50	0.06	<0.01	0.04
EUR1- 0+550	27	56	232	13	16	2	3	0.05	1.42	0.14	2.67	0.42	0.06	<0.01	0.02
EUR1- 0+650	25	57	188	14	22	2	3	0.05	1.25	0.18	2.69	0.38	0.08	<0.01	0.03
EUR1- 0+700	30	58	450	15	18	3	3	0.06	1.62	0.18	2.97	0.44	0.06	<0.01	0.02
EUR1- 0+750	24	44	516	19	21	1	2	0.04	0.73	0.17	2.11	0.19	0.11	<0.01	0.06
EUR1- 0+800	29	59	271	19	20	2	3	0.07	1.54	0.21	2.77	0.45	0.08	<0.01	0.03
EUR1- 0+900	25	56	166	19	19	1	3	0.04	1.41	0.12	2.49	0.37	0.05	<0.01	0.02
EUR1- 0+950	26	57	212	19	24	2	3	0.04	1.36	0.17	2.66	0.38	0.06	<0.01	0.03
EUR1- 1+0000	31	58	241	16	22	6	5	0.06	1.70	0.24	2.90	0.52	0.06	<0.01	0.02
EUR1- 1+0050	17	39	274	17	17	2	3	0.05	0.89	0.12	2.22	0.29	0.07	<0.01	0.03
EUR1- 1+0100	21	48	740	16	20	1	3	0.06	1.34	0.19	2.60	0.39	0.08	<0.01	0.06
EUR1- 1+0150	24	45	294	15	26	3	4	0.06	1.15	0.34	2.46	0.42	0.07	<0.01	0.04
EUR1- 1+0200	25	47	263	14	22	4	4	0.08	1.39	0.29	2.65	0.53	0.08	<0.01	0.06
EUR1- 1+0250	23	45	235	17	22	3	3	0.07	1.28	0.25	2.48	0.46	0.05	<0.01	0.05
EUR1- 1+0300	27	52	338	18	27	2	4	0.07	1.49	0.25	2.78	0.50	0.06	<0.01	0.04
EUR1- 1+0350	27	57	217	15	25	2	3	0.08	1.63	0.13	2.82	0.50	0.06	<0.01	0.03
EUR1- 1+0400	34	67	299	16	23	6	4	0.08	1.89	0.16	3.22	0.59	0.06	<0.01	0.02
EUR2- 0+00S	27	62	283	15	15	2	3	0.08	1.69	0.13	2.84	0.37	0.09	<0.01	0.07
EUR2- 0+50S	27	63	296	16	20	2	3	0.06	1.71	0.21	2.88	0.38	0.07	<0.01	0.06
EUR2- 1+00S	23	67	525	12	22	1	2	0.05	1.27	0.23	2.99	0.28	0.08	<0.01	0.07
EUR2- 1+50S	27	68	249	12	14	2	2	0.05	1.57	0.14	2.98	0.37	0.06	<0.01	0.03
EUR2- 2+00S	29	68	517	17	17	1	3	0.05	1.71	0.16	2.92	0.39	0.06	<0.01	0.04
EUR2- 2+50S	32	66	335	14	17	3	3	0.06	1.77	0.17	3.21	0.49	0.08	<0.01	0.04
EUR2- 3+00S	36	73	262	14	21	3	4	0.06	2.08	0.19	3.35	0.54	0.08	<0.01	0.03
EUR2- 3+50S	32	69	378	16	21	3	4	0.07	1.73	0.22	2.90	0.48	0.11	<0.01	0.03
EUR2- 4+00S	33	73	302	15	26	3	4	0.07	1.82	0.25	2.91	0.50	0.07	<0.01	0.02
EUR2- 4+50S	29	63	158	17	19	3	3	0.06	1.42	0.16	2.71	0.40	0.07	<0.01	0.02
EUR2- 5+00S	25	53	165	17	20	1	3	0.05	1.38	0.20	2.49	0.38	0.05	<0.01	0.02
EUR2- 5+50S	27	53	256	16	19	2	3	0.07	1.42	0.21	2.64	0.43	0.10	<0.01	0.02
EUR2- 6+00S	29	70	427	12	18	3	3	0.06	1.81	0.20	2.69	0.41	0.04	<0.01	0.02
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98J1068

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Client : Homestake Canada Inc
Project: 90822 Yukon

113 Samples
14=Rock 99=Soil

[106812:03:27:89100698]

Out: Oct 05, 1998
In : Oct 01, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
EUR2- 6+50S	Soil	3	—	—	<0.1	15	13	49	61	<5	<3	2	<10	<2	4.9	7	19	264	<5
EUR2- 7+00S	Soil	8	—	—	0.1	15	13	37	52	<5	<3	3	<10	<2	4.0	8	11	333	<5
EUR2- 7+50S	Soil	6	—	—	<0.1	13	17	44	53	<5	<3	1	<10	<2	4.7	8	15	338	<5
EUR2- 8+00S	Soil	7	—	—	<0.1	19	10	58	67	<5	<3	2	<10	<2	5.6	10	23	493	<5
EUR2- 8+50S	Soil	13	—	—	<0.1	34	16	66	81	<5	<3	3	<10	<2	6.6	11	27	472	<5
EUR2- 9+00S	Soil	<2	—	—	<0.1	17	9	48	57	<5	<3	3	<10	<2	5.2	7	16	364	<5
EUR2- 9+50S	Soil	2	—	—	<0.1	21	12	52	55	<5	<3	1	<10	<2	4.9	8	18	263	<5
EUR2-10+00S	Soil	6	—	—	<0.1	22	10	56	53	<5	<3	2	<10	<2	5.5	8	19	297	<5
EUR2-10+50S	Soil	23	—	—	<0.1	24	13	55	65	<5	<3	1	<10	<2	5.6	9	18	224	<5
EUR2-11+00S	Soil	9	—	—	<0.1	16	13	58	70	<5	<3	2	<10	<2	6.2	9	19	324	<5
EUR2-11+50S	Soil	<2	—	—	0.1	17	14	44	66	<5	<3	2	<10	<2	5.7	8	20	192	<5
EUR2-12+00S	Soil	5	—	—	<0.1	24	12	47	69	<5	<3	2	<10	<2	5.4	7	22	225	<5
EUR2-12+50S	Soil	10	—	—	<0.1	12	13	43	47	<5	<3	2	<10	<2	4.6	7	8	263	<5
EUR2-13+00S	Soil	5	—	—	0.4	14	11	77	72	<5	<3	1	<10	<2	6.3	10	17	207	<5
EUR3- OM 18.9.98	Soil	<2	—	—	0.1	9	12	48	59	<5	<3	2	<10	<2	5.3	10	17	656	<5
EUR3- 05	Soil	4	—	—	<0.1	23	14	46	67	<5	<3	2	<10	<2	5.4	9	18	616	<5
EUR3-100M	Soil	18	—	—	<0.1	27	17	63	86	<5	4	3	<10	<2	6.9	15	29	704	<5
EUR3-150	Soil	2	—	—	<0.1	14	14	58	69	<5	<3	3	<10	<2	6.2	9	20	384	<5
EUR3-200	Soil	5	—	—	<0.1	17	9	57	56	<5	<3	2	<10	<2	5.2	8	20	395	<5
EUR3-250	Soil	2	—	—	<0.1	26	12	58	76	<5	<3	2	<10	<2	6.2	16	27	425	<5
EUR3-300	Soil	5	—	—	<0.1	23	12	56	50	<5	<3	3	<10	<2	5.2	9	26	330	<5
EUR3-350	Soil	2	—	—	<0.1	24	17	65	77	<5	4	3	<10	<2	6.2	15	33	672	5
EUR3-400	Soil	<2	—	—	<0.1	19	10	44	66	<5	<3	3	<10	<2	4.5	5	12	296	<5
EUR3-450	Soil	2	—	—	<0.1	24	11	57	57	<5	<3	3	<10	<2	5.4	8	21	250	<5
EUR3-500	Soil	<2	—	—	<0.1	18	10	60	69	<5	<3	2	<10	<2	5.7	8	20	317	<5
EUR3-550	Soil	5	—	—	0.1	17	14	57	52	<5	<3	3	<10	<2	5.2	8	19	278	<5
EUR3-600	Soil	8	—	—	<0.1	15	9	47	51	<5	<3	2	<10	<2	3.9	6	12	220	<5
EUR3-650	Soil	12	—	—	<0.1	22	15	63	75	<5	<3	3	<10	<2	6.0	11	19	318	<5
EUR3-700	Soil	7	—	—	<0.1	17	15	68	78	<5	<3	3	<10	<2	6.6	14	22	251	<5
EUR3-750	Soil	5	—	—	<0.1	17	11	53	64	<5	<3	2	<10	<2	5.1	9	18	217	<5
EUR3-800	Soil	8	—	—	<0.1	18	9	43	59	<5	<3	3	<10	<2	4.1	7	13	198	<5
EUR3-850	Soil	8	—	—	<0.1	17	12	39	57	<5	<3	2	<10	<2	4.0	7	15	188	<5
EUR3-900	Soil	10	—	—	<0.1	29	12	52	94	<5	3	3	<10	<2	5.9	12	19	247	<5
EUR3-950	Soil	14	—	—	<0.1	20	12	40	78	<5	<3	2	<10	<2	4.3	7	13	225	<5
EUR3-1000 18.9.98	Soil	15	—	—	<0.1	27	22	59	169	<5	<3	3	<10	<2	7.8	12	31	383	<5
Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	99999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98J1068

INTERNATIONAL PLASMA LABORATORY LTD
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Client : Homestake Canada Inc
Project: 90822 Yukon

113 Samples
14=Rock 99=Soil

[106812:03:27:89100698]

Out: Oct 05, 1998
In : Oct 01, 1998

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
EUR2- 6+50S	25	54	217	10	18	2	2	0.04	1.38	0.20	2.54	0.41	0.06	<0.01	0.02
EUR2- 7+00S	19	50	307	15	17	1	2	0.04	1.08	0.15	2.08	0.26	0.05	<0.01	0.03
EUR2- 7+50S	23	61	261	12	18	2	2	0.04	1.32	0.19	2.38	0.34	0.04	<0.01	0.02
EUR2- 8+00S	24	54	645	13	24	2	3	0.05	1.51	0.26	2.69	0.47	0.06	<0.01	0.03
EUR2- 8+50S	30	57	342	21	24	8	6	0.08	1.80	0.25	3.19	0.57	0.07	<0.01	0.03
EUR2- 9+00S	21	45	223	15	18	2	3	0.07	1.39	0.15	2.56	0.46	0.09	<0.01	0.03
EUR2- 9+50S	22	44	233	17	19	2	3	0.08	1.32	0.15	2.53	0.43	0.09	<0.01	0.02
EUR2-10+00S	25	52	389	16	20	1	3	0.07	1.46	0.20	2.70	0.46	0.09	<0.01	0.06
EUR2-10+50S	26	58	235	14	30	4	3	0.07	1.49	0.23	2.82	0.47	0.10	<0.01	0.03
EUR2-11+00S	28	71	303	12	20	3	3	0.06	1.84	0.15	2.99	0.46	0.06	<0.01	0.02
EUR2-11+50S	28	66	191	10	12	4	3	0.05	1.77	0.09	2.77	0.38	0.06	<0.01	0.02
EUR2-12+00S	21	55	188	13	19	2	2	0.04	1.27	0.09	2.65	0.32	0.05	<0.01	0.04
EUR2-12+50S	19	66	337	13	18	1	2	0.03	1.18	0.11	2.31	0.17	0.03	<0.01	0.04
EUR2-13+00S	28	76	236	10	11	2	2	0.05	2.03	0.09	2.95	0.28	0.03	<0.01	0.04
EUR3- OM 18.9.98	26	67	274	9	19	2	2	0.05	1.67	0.25	2.69	0.30	0.06	<0.01	0.02
EUR3- 05	27	65	275	14	25	3	3	0.06	1.67	0.35	2.69	0.33	0.06	<0.01	0.02
EUR3-100M	37	74	692	14	34	3	5	0.06	2.18	0.47	3.34	0.47	0.12	<0.01	0.03
EUR3-150	29	69	242	11	21	1	3	0.05	1.78	0.23	2.88	0.40	0.08	<0.01	0.03
EUR3-200	25	63	182	12	18	1	2	0.04	1.35	0.23	2.69	0.31	0.08	<0.01	0.03
EUR3-250	31	70	538	13	27	2	5	0.05	1.94	0.38	3.05	0.44	0.08	<0.01	0.03
EUR3-300	27	52	253	12	22	1	3	0.04	1.24	0.26	2.56	0.40	0.10	<0.01	0.03
EUR3-350	33	63	1292	13	23	4	5	0.04	1.71	0.20	2.90	0.41	0.10	<0.01	0.02
EUR3-400	20	57	219	13	20	1	2	0.02	0.91	0.15	2.29	0.17	0.04	<0.01	0.03
EUR3-450	25	53	299	13	18	1	3	0.04	1.33	0.09	2.69	0.34	0.06	<0.01	0.03
EUR3-500	28	59	242	15	25	1	3	0.05	1.59	0.20	2.79	0.41	0.06	<0.01	0.03
EUR3-550	27	52	194	16	24	2	3	0.05	1.40	0.19	2.53	0.39	0.06	<0.01	0.03
EUR3-600	21	44	158	15	25	1	2	0.05	1.19	0.16	2.03	0.30	0.05	<0.01	0.04
EUR3-650	30	59	401	17	27	1	4	0.05	1.59	0.19	2.91	0.34	0.05	<0.01	0.06
EUR3-700	30	65	461	12	19	2	3	0.05	1.86	0.14	3.18	0.42	0.05	<0.01	0.08
EUR3-750	26	50	253	10	17	3	2	0.05	1.51	0.14	2.54	0.38	0.03	<0.01	0.03
EUR3-800	22	45	223	11	18	1	2	0.04	1.22	0.11	2.12	0.28	0.03	<0.01	0.03
EUR3-850	22	41	202	12	17	2	3	0.05	1.12	0.09	1.98	0.28	0.03	<0.01	0.02
EUR3-900	30	62	414	13	23	1	3	0.05	1.62	0.12	2.89	0.33	0.05	<0.01	0.04
EUR3-950	22	44	229	10	24	2	2	0.05	1.17	0.10	2.10	0.28	0.04	<0.01	0.03
EUR3-1000 18.9.98	34	93	227	9	23	2	3	0.12	2.90	0.12	3.70	0.35	0.05	<0.01	0.08
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98I1029

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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:

223 Samples Out: Sep 29, 1998 In: Sep 23, 1998 [102915:18:29:89093098]

Analysis:
Au(FA/AAS 30g) g/mt ICP(AqR)30

Comment:

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B111	223	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada
Att: Mike Papageorge Ph:604/684-2345
Fx:604/684-9831
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3½ Disk
DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C0343040619
* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 100E + 25S	Soil	4	—	0.1	58	50	110	1809	<5	<3	1	<10	<2	6.7	15	33	238	5	37
SR 100E + 50S	Soil	<2	—	<0.1	43	25	94	474	<5	<3	1	<10	<2	6.7	12	24	142	<5	32
SR 100E + 75S	Soil	9	—	0.7	90	159	256	398	22	<3	2	<10	<2	8.7	19	37	234	6	34
SR 100E + 100S	Soil	7	—	0.3	87	85	158	528	8	<3	3	<10	<2	7.6	16	36	220	<5	32
SR 100E + 125S	Soil	4	—	<0.1	51	39	97	140	<5	<3	2	<10	<2	7.0	15	36	219	<5	35
SR 100E + 150S	Soil	22	—	<0.1	47	29	100	140	<5	<3	3	<10	<2	6.2	17	31	191	<5	28
SR 100E + 175S	Soil	<2	—	<0.1	30	15	70	96	<5	<3	2	<10	<2	5.5	11	26	161	<5	29
SR 100E + 200S	Soil	<2	—	<0.1	22	12	72	87	<5	<3	2	<10	<2	5.3	9	19	108	<5	28
SR 100E + 225S	Soil	12	—	<0.1	13	24	42	69	<5	<3	4	<10	<2	4.5	5	12	63	<5	18
SR 100E + 250S	Soil	<2	—	<0.1	36	23	76	241	<5	<3	1	<10	<2	8.1	18	29	159	<5	22
SR 100E + 275S	Soil	2	—	<0.1	64	23	94	165	<5	<3	2	<10	<2	7.7	17	30	89	<5	28
SR 100E + 300S	Soil	4	—	<0.1	47	32	90	269	10	<3	2	<10	<2	9.1	29	36	247	<5	18
SR 100E + 325S	Soil	8	—	<0.1	115	39	109	413	10	<3	14	<10	<2	12.6	20	51	122	<5	26
SR 100E + 350S	Soil	3	—	<0.1	23	16	81	86	<5	<3	3	<10	<2	5.9	8	24	74	<5	23
SR 100E + 375S	Soil	4	—	0.3	71	80	175	206	10	<3	2	<10	<2	10.2	20	45	207	<5	48
SR 100E + 400S	Soil	6	—	0.3	69	102	201	250	16	<3	4	<10	<2	10.5	21	47	203	<5	48
SR 100E + 425S	Soil	7	—	0.3	73	79	164	312	13	<3	4	<10	<2	9.9	20	44	226	<5	46
SR 100E + 450S	Soil	11	—	0.4	65	144	205	359	29	<3	3	<10	<2	10.5	22	45	225	<5	48
SR 100E + 475S	Soil	8	—	0.3	68	142	217	438	31	<3	3	<10	<2	10.0	21	44	191	<5	47
SR 100E + 500S	Soil	6	—	<0.1	60	62	104	482	6	<3	1	<10	<2	7.7	20	50	106	8	23
SR 100E + 525S	Soil	18	—	0.5	107	124	209	2082	29	<3	4	<10	<2	11.6	26	57	146	<5	53
SR 300E + 25S	Soil	9	—	<0.1	40	29	96	185	<5	<3	1	<10	<2	7.5	18	38	221	6	39
SR 300E + 50S	Soil	2	—	<0.1	42	14	66	178	<5	<3	1	<10	<2	4.7	11	25	105	<5	20
SR 300E + 75S	Soil	3	—	<0.1	51	29	86	256	<5	<3	1	<10	<2	6.7	14	32	209	<5	39
SR 300E + 100S	Soil	<2	—	<0.1	39	19	82	115	<5	<3	2	<10	<2	6.5	14	40	247	<5	38
SR 300E + 125S	Soil	<2	—	<0.1	58	29	105	148	<5	<3	3	<10	<2	8.1	20	43	236	<5	44
SR 300E + 150S	Soil	5	—	<0.1	43	25	89	140	<5	<3	4	<10	<2	7.3	16	39	211	5	44
SR 300E + 175S	Soil	<2	—	<0.1	34	19	75	110	<5	<3	1	<10	<2	7.0	13	32	169	<5	38
SR 300E + 200S	Soil	<2	—	<0.1	19	13	53	80	<5	<3	1	<10	<2	4.7	10	25	152	<5	28
SR 300E + 225S	Soil	<2	—	<0.1	19	12	60	77	<5	<3	2	<10	<2	5.0	9	24	83	<5	26
SR 300E + 250S	Soil	<2	—	<0.1	22	24	103	125	<5	<3	2	<10	<2	6.4	14	31	104	<5	33
SR 300E + 275S	Soil	2	—	<0.1	44	95	138	156	<5	<3	<1	<10	<2	7.7	15	35	151	<5	30
SR 300E + 300S	Soil	7	—	<0.1	62	38	134	182	<5	<3	2	<10	<2	8.7	22	38	117	<5	33
SR 300E + 325S	Soil	5	—	<0.1	67	29	96	96	<5	<3	2	<10	<2	7.4	23	35	223	<5	25
SR 300E + 350S	Soil	<2	—	<0.1	43	18	64	119	<5	<3	2	<10	<2	7.7	26	29	240	8	24
SR 300E + 375S	Soil	2	—	<0.1	36	20	85	105	<5	<3	2	<10	<2	7.0	15	33	167	8	31
SR 300E + 400S	Soil	6	—	<0.1	71	32	106	135	<5	<3	2	<10	<2	8.2	21	49	193	<5	35
SR 300E + 425S	Soil	2	—	<0.1	43	24	89	105	<5	<3	2	<10	<2	7.2	15	35	175	6	31
SR 300E + 450S	Soil	<2	—	<0.1	30	27	92	115	<5	<3	2	<10	<2	6.8	16	30	174	<5	32
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 100E + 25S	56	502	16	43	3	3	0.08	3.16	0.75	3.07	0.98	0.16	0.03	0.08
SR 100E + 50S	57	336	13	18	2	2	0.07	2.51	0.28	3.23	0.78	0.08	<0.01	0.05
SR 100E + 75S	57	684	19	48	4	4	0.09	2.90	0.52	3.41	0.92	0.23	0.03	0.12
SR 100E + 100S	56	525	19	31	2	3	0.07	3.53	0.43	3.08	0.86	0.16	0.01	0.13
SR 100E + 125S	59	458	19	47	3	4	0.09	2.75	0.61	3.07	0.92	0.21	0.03	0.08
SR 100E + 150S	51	495	19	52	4	4	0.08	1.87	0.52	2.96	0.71	0.15	0.03	0.09
SR 100E + 175S	51	274	17	16	1	3	0.07	2.06	0.19	2.68	0.63	0.08	<0.01	0.06
SR 100E + 200S	50	217	13	13	1	1	0.04	1.80	0.14	2.71	0.50	0.05	<0.01	0.06
SR 100E + 225S	92	120	14	22	1	1	0.08	1.07	0.06	2.35	0.14	0.04	<0.01	0.03
SR 100E + 250S	58	344	18	20	1	2	0.06	1.89	0.17	4.12	0.46	0.07	<0.01	0.09
SR 100E + 275S	51	248	15	12	2	2	0.05	2.44	0.10	3.72	0.56	0.06	<0.01	0.08
SR 100E + 300S	65	438	14	72	2	2	0.08	1.77	0.47	4.50	0.61	0.10	<0.01	0.14
SR 100E + 325S	36	320	20	16	3	2	0.04	1.23	0.17	6.00	0.40	0.11	<0.01	0.07
SR 100E + 350S	52	235	10	10	2	2	0.05	1.52	0.08	3.06	0.34	0.04	<0.01	0.04
SR 100E + 375S	78	776	25	46	4	5	0.08	3.44	0.43	4.45	1.71	0.18	<0.01	0.12
SR 100E + 400S	77	852	23	94	4	5	0.09	3.38	1.28	4.37	1.80	0.23	0.09	0.12
SR 100E + 425S	76	795	23	108	4	5	0.10	3.44	1.09	4.22	1.68	0.21	0.11	0.11
SR 100E + 450S	79	976	23	80	3	5	0.08	3.41	0.98	4.55	1.90	0.16	0.04	0.13
SR 100E + 475S	77	823	22	69	3	5	0.09	3.62	0.77	4.29	1.86	0.21	0.06	0.12
SR 100E + 500S	41	526	13	34	2	2	0.05	2.73	0.23	3.41	0.48	0.06	<0.01	0.07
SR 100E + 525S	84	863	22	75	4	6	0.10	4.09	0.92	4.88	2.00	0.23	0.06	0.12
SR 300E + 25S	55	620	21	119	6	5	0.11	3.39	1.10	3.13	1.18	0.33	0.14	0.10
SR 300E + 50S	36	346	12	24	2	2	0.05	1.10	0.30	2.27	0.45	0.08	<0.01	0.09
SR 300E + 75S	64	538	18	60	2	3	0.08	3.06	0.73	3.05	1.09	0.13	0.05	0.10
SR 300E + 100S	60	471	19	55	4	5	0.10	2.71	0.69	3.03	1.01	0.24	0.04	0.09
SR 300E + 125S	68	608	21	128	11	6	0.13	3.00	1.98	3.52	1.32	0.39	0.14	0.12
SR 300E + 150S	67	479	20	68	4	5	0.12	3.19	0.77	3.27	1.15	0.22	0.05	0.10
SR 300E + 175S	62	333	17	24	2	3	0.08	2.65	0.27	3.11	0.88	0.11	<0.01	0.08
SR 300E + 200S	38	404	18	64	4	4	0.08	2.17	0.46	2.29	0.76	0.11	0.05	0.09
SR 300E + 225S	45	267	11	12	1	1	0.04	1.71	0.15	2.54	0.47	0.05	<0.01	0.07
SR 300E + 250S	57	416	15	18	2	2	0.05	2.53	0.15	3.08	0.53	0.07	<0.01	0.08
SR 300E + 275S	67	363	12	26	1	2	0.08	2.38	0.18	3.63	0.65	0.09	<0.01	0.07
SR 300E + 300S	58	672	15	18	4	3	0.07	3.66	0.17	3.92	0.60	0.09	<0.01	0.13
SR 300E + 325S	52	508	18	28	3	4	0.07	1.82	0.28	3.65	0.57	0.09	<0.01	0.10
SR 300E + 350S	63	357	13	17	1	2	0.07	2.27	0.17	3.65	0.55	0.08	<0.01	0.07
SR 300E + 375S	59	413	14	26	1	3	0.06	2.11	0.35	3.26	0.62	0.07	<0.01	0.08
SR 300E + 400S	63	455	19	28	2	4	0.09	2.28	0.32	3.78	0.76	0.09	<0.01	0.09
SR 300E + 425S	58	438	14	20	1	3	0.06	2.00	0.21	3.55	0.60	0.05	<0.01	0.08
SR 300E + 450S	64	578	15	20	1	2	0.07	2.19	0.21	3.24	0.69	0.10	<0.01	0.08
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 300E + 475S	Soil	8	—	<0.1	66	42	134	170	<5	<3	4	<10	<2	8.5	18	37	188	<5	44
SR 300E + 500S	Soil	4	—	<0.1	42	30	98	118	<5	<3	1	<10	<2	7.1	13	36	154	<5	36
SR 300E + 525S	Soil	4	—	0.1	59	38	130	129	<5	<3	2	<10	<2	9.1	19	42	205	<5	46
SR 300E + 550S	Soil	7	—	0.1	68	51	148	150	<5	<3	2	<10	<2	9.3	20	42	226	<5	44
SR 300E + 575S	Soil	6	—	0.2	60	52	134	126	<5	<3	2	<10	<2	9.3	19	44	236	<5	48
SR 300E + 600S	Soil	3	—	0.1	83	32	99	209	6	<3	2	<10	<2	9.3	23	44	192	<5	39
SR 300E + 625S	Soil	6	—	<0.1	71	33	100	159	<5	<3	4	<10	<2	8.8	21	42	189	<5	33
SR 300E + 650S	Soil	4	—	0.2	71	74	184	311	5	<3	4	<10	<2	10.7	25	55	170	<5	39
SR 300E + 675S	Soil	3	—	0.5	64	162	185	194	44	<3	2	<10	<2	10.8	21	44	212	7	50
SR 300E + 700S	Soil	2	—	0.5	61	177	187	196	49	<3	2	<10	<2	10.6	20	39	198	<5	49
SR 500E + 25S	Soil	20	—	<0.1	209	36	129	1687	7	<3	2	<10	<2	9.0	20	40	179	<5	33
SR 500E + 50S	Soil	7	—	<0.1	187	39	129	1763	7	<3	3	<10	<2	9.0	19	46	176	<5	34
SR 500E + 75S	Soil	17	—	<0.1	78	66	120	1190	<5	<3	2	<10	29	6.8	15	32	129	<5	29
SR 500E + 100S	Soil	14	—	0.2	134	118	207	1363	9	<3	2	<10	31	9.8	29	56	211	<5	26
SR 500E + 125S	Soil	5	—	<0.1	84	44	105	364	<5	<3	2	<10	<2	6.2	18	36	353	<5	24
SR 500E + 150S	Soil	8	—	0.3	144	53	104	353	<5	<3	2	<10	<2	7.3	16	40	216	<5	32
SR 500E + 175S	Soil	2	—	0.2	83	65	137	284	<5	<3	1	<10	<2	7.5	16	37	187	<5	29
SR 500E + 200S	Soil	<2	—	0.2	59	60	95	186	<5	<3	1	<10	<2	6.3	12	31	140	<5	29
SR 500E + 225S	Soil	6	—	0.1	93	52	137	229	<5	<3	2	<10	<2	7.4	17	40	218	<5	30
SR 500E + 250S	Soil	2	—	<0.1	69	31	88	194	<5	<3	2	<10	<2	6.4	12	34	119	9	32
SR 500E + 275S	Soil	7	—	<0.1	46	16	80	148	<5	<3	2	<10	<2	6.1	10	27	99	<5	32
SR 500E + 300S	Soil	2	—	<0.1	43	23	97	147	<5	4	2	<10	<2	7.3	14	36	128	10	36
SR 500E + 325S	Soil	<2	—	<0.1	35	19	100	167	<5	<3	2	<10	<2	6.6	13	32	128	<5	31
SR 500E + 350S	Soil	2	—	<0.1	35	20	73	119	<5	<3	2	<10	<2	6.9	16	36	148	8	39
SR 500E + 375S	Soil	<2	—	<0.1	34	19	85	126	<5	<3	2	<10	<2	7.2	14	32	176	7	38
SR 500E + 400S	Soil	<2	—	<0.1	27	19	76	112	<5	<3	2	<10	<2	6.1	12	27	161	<5	40
SR 500E + 425S	Soil	<2	—	<0.1	28	23	88	133	<5	<3	2	<10	<2	7.0	14	32	182	<5	43
SR 500E + 450S	Soil	5	—	<0.1	51	28	104	166	<5	<3	1	<10	<2	7.9	17	38	234	<5	43
SR 500E + 475S	Soil	<2	—	<0.1	32	24	96	149	<5	<3	3	<10	<2	7.7	14	33	276	<5	48
SR 500E + 500S	Soil	<2	—	<0.1	32	19	90	150	<5	<3	2	<10	<2	7.8	14	30	218	<5	53
SR 500E + 525S	Soil	<2	—	<0.1	32	30	94	154	<5	<3	1	<10	<2	7.4	14	32	151	<5	46
SR 500E + 550S	Soil	<2	—	0.2	50	45	131	150	<5	<3	3	<10	<2	8.6	17	36	211	<5	46
SR 900E + 425N	Soil	3	—	<0.1	13	26	46	222	<5	<3	2	<10	<2	6.2	6	14	74	<5	20
SR 900E + 450N	Soil	12	—	<0.1	227	20	58	1430	<5	<3	2	<10	<2	5.5	11	25	112	<5	22
SR 900E + 475N	Soil	17	—	0.2	460	56	153	3143	5	<3	2	<10	27	9.6	22	45	167	<5	35
SR 900E + 500N	Soil	18	—	0.4	261	51	161	1907	<5	<3	2	<10	14	8.5	18	41	142	<5	32
SR 900E + 525N	Soil	14	—	<0.1	544	63	151	3672	<5	<3	2	<10	45	10.1	28	50	188	<5	37
SR 900E + 550N	Soil	<2	—	<0.1	109	30	76	1121	6	<3	2	<10	6	4.8	10	16	100	<5	27
SR 900E + 575N	Soil	17	—	0.3	730	63	166	5462	<5	<3	<1	<10	44	11.1	35	69	214	<5	38
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 300E + 475S	72	632	22	37	4	4	0.08	3.23	0.33	3.92	1.54	0.14	<0.01	0.10
SR 300E + 500S	61	417	17	26	3	3	0.07	2.58	0.35	3.38	1.16	0.10	<0.01	0.09
SR 300E + 525S	73	631	23	36	3	4	0.08	3.23	0.30	4.17	1.65	0.17	<0.01	0.12
SR 300E + 550S	74	754	23	103	4	5	0.09	3.30	1.06	4.10	1.65	0.28	0.10	0.13
SR 300E + 575S	74	743	22	98	3	5	0.08	3.03	1.13	4.03	1.61	0.21	0.10	0.11
SR 300E + 600S	72	530	18	28	3	4	0.11	3.39	0.32	4.24	0.94	0.18	<0.01	0.13
SR 300E + 625S	72	523	17	19	2	2	0.08	3.26	0.24	4.18	0.70	0.12	<0.01	0.13
SR 300E + 650S	64	627	20	65	4	5	0.10	3.88	0.82	4.45	1.27	0.32	0.06	0.12
SR 300E + 675S	76	898	22	133	5	6	0.11	4.01	2.03	4.41	1.96	0.47	0.18	0.12
SR 300E + 700S	73	825	22	133	5	6	0.10	3.91	1.85	4.22	1.96	0.41	0.18	0.12
SR 500E + 25S	60	863	19	37	2	3	0.05	2.58	0.69	4.21	0.69	0.06	<0.01	0.12
SR 500E + 50S	62	804	18	32	2	2	0.05	2.59	0.60	4.19	0.70	0.06	<0.01	0.11
SR 500E + 75S	51	428	15	20	1	2	0.04	2.18	0.28	3.25	0.55	0.06	<0.01	0.09
SR 500E + 100S	56	664	22	33	2	3	0.07	2.46	0.43	4.07	0.55	0.11	<0.01	0.11
SR 500E + 125S	53	485	19	34	2	3	0.09	2.04	0.42	2.89	0.60	0.11	0.01	0.09
SR 500E + 150S	57	428	18	32	3	3	0.08	3.51	0.36	3.26	0.64	0.12	<0.01	0.08
SR 500E + 175S	55	382	18	30	2	3	0.06	3.34	0.39	3.19	0.55	0.08	0.01	0.09
SR 500E + 200S	51	345	16	19	2	2	0.05	2.71	0.20	2.96	0.55	0.06	<0.01	0.07
SR 500E + 225S	51	526	20	45	3	4	0.08	2.66	0.47	3.09	0.70	0.15	0.02	0.10
SR 500E + 250S	54	378	13	19	1	2	0.05	2.84	0.20	3.09	0.61	0.07	<0.01	0.09
SR 500E + 275S	54	338	12	14	1	2	0.05	2.48	0.13	2.98	0.56	0.06	<0.01	0.09
SR 500E + 300S	61	403	17	14	2	4	0.07	2.81	0.14	3.36	0.73	0.07	<0.01	0.07
SR 500E + 325S	55	608	15	19	1	1	0.04	2.12	0.41	3.15	0.65	0.06	<0.01	0.09
SR 500E + 350S	64	462	19	19	3	4	0.10	3.06	0.23	3.30	0.88	0.11	<0.01	0.08
SR 500E + 375S	59	473	18	38	2	3	0.08	3.15	0.43	3.22	1.00	0.15	0.02	0.10
SR 500E + 400S	53	492	16	124	3	3	0.09	2.89	1.88	2.78	1.15	0.17	0.13	0.11
SR 500E + 425S	56	573	20	146	4	5	0.11	3.55	1.79	3.01	1.26	0.28	0.18	0.06
SR 500E + 450S	62	583	21	138	5	5	0.11	3.68	1.59	3.32	1.39	0.46	0.17	0.10
SR 500E + 475S	59	314	20	156	6	6	0.14	4.37	1.69	3.20	1.63	0.39	0.20	0.10
SR 500E + 500S	67	476	24	139	4	5	0.14	4.74	1.43	3.24	1.58	0.25	0.17	0.10
SR 500E + 525S	66	372	19	53	3	4	0.11	3.82	0.68	3.24	1.40	0.15	0.06	0.10
SR 500E + 550S	71	1010	20	99	3	5	0.10	3.47	1.18	3.77	1.71	0.37	0.12	0.13
SR 900E + 425N	81	203	13	15	1	1	0.08	1.25	0.14	3.17	0.18	0.03	<0.01	0.03
SR 900E + 450N	45	307	15	26	2	3	0.05	1.88	0.21	2.77	0.45	0.05	<0.01	0.07
SR 900E + 475N	62	803	30	40	2	4	0.09	2.45	0.70	4.34	0.75	0.06	0.02	0.10
SR 900E + 500N	57	499	19	26	2	3	0.07	2.39	0.35	4.00	0.67	0.05	<0.01	0.09
SR 900E + 525N	72	907	25	34	1	3	0.08	2.54	0.41	4.67	0.73	0.05	<0.01	0.11
SR 900E + 550N	32	599	16	41	1	1	0.04	1.58	0.77	2.26	0.29	0.07	0.06	0.12
SR 900E + 575N	79	827	33	45	2	5	0.12	2.77	0.55	5.07	0.84	0.14	0.01	0.12
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 1000E + 300N	Soil	31	—	0.1	172	33	98	1682	<5	<3	2	<10	<2	6.7	14	31	144	<5	30
SR 1000E + 325N	Soil	48	—	0.1	307	43	89	2990	<5	<3	3	<10	15	7.3	11	27	145	<5	27
SR 1000E + 350N	Soil	67	—	0.2	443	48	100	3667	<5	<3	3	<10	24	8.6	14	26	164	<5	30
SR 1000E + 450N	Soil	63	—	0.1	441	37	97	2817	<5	<3	<1	<10	17	6.3	14	32	205	<5	26
SR 1000E + 475N	Soil	34	—	<0.1	318	21	64	3801	<5	<3	1	<10	16	5.9	12	27	115	<5	20
SR 1000E + 500N	Soil	32	—	<0.1	269	26	73	2142	<5	<3	3	<10	10	7.4	15	35	126	<5	30
SR 1000E + 525N	Soil	10	—	<0.1	75	25	57	854	<5	<3	2	<10	<2	7.4	10	22	102	<5	28
SR 1000E + 550N	Soil	21	—	<0.1	99	31	104	1192	<5	<3	2	<10	7	8.0	14	33	139	<5	34
SR 1000E + 575N	Soil	32	—	<0.1	152	32	88	1586	<5	4	1	<10	8	7.4	17	35	164	<5	29
SR 1000E + 600N	Soil	67	—	0.2	283	45	115	2271	<5	<3	1	<10	29	8.7	19	36	209	<5	30
SR 1000E + 625N	Soil	63	—	<0.1	258	39	95	1792	6	<3	2	<10	24	6.3	16	32	168	9	21
SR 1095E + 505N	Soil	44	—	<0.1	165	28	91	1748	<5	<3	3	<10	7	6.7	13	27	129	<5	28
SR 1100E + 350N	Soil	12	—	<0.1	76	21	57	569	<5	<3	1	<10	<2	6.0	13	26	120	<5	32
SR 1100E + 375N	Soil	8	—	<0.1	76	19	62	475	<5	<3	2	<10	<2	6.5	11	24	117	<5	32
SR 1100E + 400N	Soil	6	—	<0.1	27	20	67	213	<5	<3	3	<10	<2	7.0	8	21	77	<5	27
SR 1100E + 425N	Soil	18	—	<0.1	30	28	67	267	<5	<3	2	<10	<2	6.6	12	31	116	<5	25
SR 1100E + 450N	Soil	9	—	<0.1	65	18	59	403	<5	<3	1	<10	<2	6.0	14	32	96	<5	30
SR 1100E + 475N	Soil	10	—	<0.1	104	21	63	1170	<5	<3	2	<10	<2	6.5	15	31	104	<5	30
SR 1100E + 525N	Soil	78	—	<0.1	341	37	88	2725	<5	<3	3	<10	16	7.0	14	31	140	<5	27
SR 1100E + 550N	Soil	93	—	0.2	446	42	87	2729	<5	<3	2	<10	26	7.1	12	31	167	<5	26
SR 1100E + 575N	Soil	86	—	0.1	425	56	99	2557	<5	<3	4	<10	36	8.4	16	31	183	<5	29
SR 1100E + 600N	Soil	54	—	0.2	229	43	92	1590	<5	<3	2	<10	19	7.0	11	25	166	<5	23
SR 1100E + 650N	Soil	58	—	0.2	177	18	74	1292	<5	<3	2	<10	7	5.7	13	28	127	<5	22
SR 1115E + 620N	Soil	25	—	<0.1	68	20	103	715	<5	<3	3	<10	<2	7.1	12	23	120	<5	33
SR 1200E + 425N	Soil	32	—	0.1	131	28	88	1738	<5	<3	1	<10	<2	6.7	14	31	137	5	27
SR 1200E + 450N	Soil	10	—	<0.1	88	17	78	1119	<5	<3	2	<10	<2	6.4	10	26	101	<5	29
SR 1200E + 475N	Soil	6	—	<0.1	28	19	67	308	<5	<3	1	<10	<2	6.3	10	21	83	<5	28
SR 1200E + 500N	Soil	35	—	<0.1	230	29	81	2615	<5	<3	2	<10	6	5.8	15	24	139	<5	25
SR 1200E + 525N	Soil	34	—	<0.1	176	30	75	1335	<5	<3	3	<10	6	5.5	13	25	150	6	22
SR 1200E + 550N	Soil	46	—	0.5	281	40	93	1799	<5	<3	4	<10	14	6.5	11	23	119	7	25
SR 1200E + 575N	Soil	58	—	0.2	397	48	86	2739	<5	<3	3	<10	16	7.2	16	26	158	<5	28
SR 1200E + 600N	Soil	50	—	0.2	366	44	78	3314	<5	<3	3	<10	13	7.5	11	28	130	<5	25
SR 1200E + 625N	Soil	64	—	0.3	384	45	88	3522	<5	<3	4	<10	13	8.4	17	33	199	<5	30
SR 1200E + 650N	Soil	58	—	0.5	366	47	81	3284	<5	<3	6	<10	20	8.3	13	26	163	<5	28
SR 1200E + 675N	Soil	52	—	0.2	386	43	78	3463	<5	<3	3	<10	19	8.2	13	30	154	<5	28
SR 1200E + 700N	Soil	52	—	<0.1	389	45	82	3675	<5	<3	6	<10	16	8.4	16	27	160	<5	29
SR 1200E + 725N	Soil	58	—	0.1	258	32	74	2355	<5	<3	6	<10	<2	7.8	20	40	316	5	33
SR 1200E + 750N	Soil	77	—	<0.1	177	27	70	1656	<5	8	3	<10	<2	7.3	21	29	310	12	30
SR 1200E + 775N	Soil	48	—	0.1	278	29	68	2596	<5	<3	3	<10	<2	7.3	19	32	262	<5	28
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 1000E + 300N	53	314	21	26	2	4	0.08	2.10	0.27	3.08	0.64	0.11	<0.01	0.09
SR 1000E + 325N	49	318	27	41	1	2	0.05	2.01	0.28	3.58	0.54	0.08	<0.01	0.09
SR 1000E + 350N	54	489	40	37	1	3	0.05	2.34	0.17	4.04	0.58	0.07	<0.01	0.09
SR 1000E + 450N	47	336	30	48	2	3	0.06	1.70	0.43	3.16	0.51	0.09	<0.01	0.12
SR 1000E + 475N	40	285	19	26	2	2	0.04	1.66	0.29	2.86	0.37	0.05	<0.01	0.09
SR 1000E + 500N	57	350	16	21	2	3	0.05	2.54	0.20	3.58	0.53	0.06	<0.01	0.08
SR 1000E + 525N	68	308	14	13	1	2	0.05	2.13	0.11	3.60	0.35	0.03	<0.01	0.04
SR 1000E + 550N	62	351	14	19	2	3	0.06	2.36	0.18	3.72	0.60	0.05	<0.01	0.06
SR 1000E + 575N	55	508	19	30	2	3	0.05	2.19	0.25	3.53	0.53	0.05	<0.01	0.07
SR 1000E + 600N	56	644	28	42	2	3	0.06	2.47	0.30	3.93	0.55	0.05	<0.01	0.09
SR 1000E + 625N	39	651	27	70	2	2	0.05	1.90	0.54	2.99	0.38	0.09	0.03	0.12
SR 1095E + 505N	50	304	14	25	1	2	0.04	2.00	0.19	3.32	0.51	0.05	<0.01	0.07
SR 1100E + 350N	71	252	12	13	1	4	0.12	1.86	0.16	2.96	0.62	0.14	<0.01	0.05
SR 1100E + 375N	78	263	10	11	2	4	0.15	1.93	0.13	3.16	0.64	0.15	<0.01	0.04
SR 1100E + 400N	68	250	11	9	1	2	0.07	1.77	0.09	3.49	0.34	0.04	<0.01	0.03
SR 1100E + 425N	52	426	11	14	2	2	0.05	2.41	0.16	3.06	0.35	0.04	<0.01	0.05
SR 1100E + 450N	55	327	11	14	2	3	0.09	2.07	0.15	2.88	0.54	0.07	<0.01	0.04
SR 1100E + 475N	55	334	13	22	2	3	0.09	2.32	0.25	2.90	0.54	0.07	<0.01	0.07
SR 1100E + 525N	49	469	25	39	1	2	0.05	1.86	0.27	3.35	0.50	0.06	<0.01	0.09
SR 1100E + 550N	46	318	30	60	1	2	0.05	1.90	0.35	3.35	0.50	0.07	0.01	0.11
SR 1100E + 575N	53	692	28	62	1	1	0.04	1.99	0.38	3.91	0.52	0.06	<0.01	0.12
SR 1100E + 600N	45	375	22	58	1	2	0.05	1.82	0.40	3.12	0.40	0.06	0.01	0.11
SR 1100E + 650N	44	420	25	27	1	3	0.05	1.56	0.30	2.75	0.42	0.06	<0.01	0.10
SR 1115E + 620N	61	404	13	14	1	2	0.05	2.32	0.12	3.51	0.52	0.05	<0.01	0.04
SR 1200E + 425N	51	433	21	23	2	3	0.08	2.22	0.30	3.02	0.57	0.09	0.01	0.09
SR 1200E + 450N	58	293	13	15	1	3	0.07	1.97	0.17	3.04	0.50	0.06	<0.01	0.06
SR 1200E + 475N	54	329	11	13	1	2	0.06	1.80	0.13	3.14	0.43	0.05	<0.01	0.05
SR 1200E + 500N	42	523	28	54	2	4	0.07	1.45	0.39	2.89	0.49	0.10	<0.01	0.09
SR 1200E + 525N	42	479	29	33	2	3	0.07	1.35	0.33	2.59	0.43	0.09	<0.01	0.10
SR 1200E + 550N	45	348	26	33	1	1	0.04	1.81	0.18	3.19	0.48	0.07	<0.01	0.08
SR 1200E + 575N	48	583	52	48	1	2	0.05	1.92	0.22	3.53	0.50	0.08	<0.01	0.10
SR 1200E + 600N	47	276	47	47	1	2	0.05	1.83	0.25	3.58	0.49	0.09	<0.01	0.10
SR 1200E + 625N	59	478	47	56	2	4	0.07	2.14	0.27	3.99	0.60	0.12	<0.01	0.11
SR 1200E + 650N	54	455	52	49	1	2	0.05	2.06	0.18	3.93	0.54	0.08	<0.01	0.10
SR 1200E + 675N	54	286	54	51	1	3	0.05	2.11	0.23	3.90	0.54	0.08	<0.01	0.10
SR 1200E + 700N	56	622	55	54	1	3	0.06	2.06	0.23	4.04	0.55	0.10	<0.01	0.10
SR 1200E + 725N	77	338	33	51	4	6	0.18	1.85	0.31	3.78	0.77	0.40	0.01	0.12
SR 1200E + 750N	70	393	28	48	4	5	0.16	1.50	0.31	3.51	0.67	0.39	0.01	0.12
SR 1200E + 775N	65	392	40	46	3	5	0.14	1.57	0.31	3.56	0.65	0.28	0.01	0.11
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 1200E + 800N	Soil	123	—	<0.1	222	29	65	2039	<5	<3	3	<10	<2	7.5	20	30	302	<5	29
SR 1200E + 825N	Soil	62	—	0.2	284	26	71	2803	<5	<3	4	<10	5	7.4	21	29	276	7	30
SR 1200E + 850N	Soil	57	—	0.3	275	25	64	2037	<5	<3	2	<10	4	7.5	11	22	207	<5	27
SR 1300E + 500N	Soil	50	—	<0.1	264	51	135	2026	<5	<3	2	<10	7	9.3	16	37	274	8	38
SR 1300E + 525N	Soil	50	—	0.2	183	34	81	1444	<5	<3	1	<10	7	5.9	13	23	183	<5	28
SR 1300E + 575N	Soil	62	—	0.2	208	32	78	1363	<5	<3	3	<10	<2	5.7	15	24	135	5	26
SR 1300E + 600N	Soil	59	—	0.2	171	34	81	1169	<5	<3	<1	<10	<2	5.8	14	26	143	<5	26
SR 1300E + 625N	Soil	48	—	0.1	209	33	73	1311	<5	<3	2	<10	5	5.7	16	25	123	<5	23
SR 1300E + 650N	Soil	40	—	<0.1	115	21	71	828	<5	<3	2	<10	<2	5.0	11	22	108	<5	22
SR 1300E + 675N	Soil	16	—	<0.1	34	22	81	261	<5	<3	2	<10	<2	6.7	12	27	118	<5	29
SR 1300E + 700N	Soil	12	—	<0.1	20	21	75	197	<5	<3	1	<10	<2	6.2	9	21	120	<5	23
SR 1300E + 725N	Soil	10	—	<0.1	105	28	54	450	<5	<3	2	<10	<2	6.3	8	21	79	<5	24
SR 1300E + 750N	Soil	9	—	<0.1	21	20	88	318	<5	<3	3	<10	<2	6.2	9	19	81	<5	25
SR 1300E + 775N	Soil	3	—	<0.1	25	17	69	192	<5	<3	1	<10	<2	6.0	7	17	78	<5	22
SR 1300E + 800N	Soil	70	—	0.2	414	59	91	3357	<5	<3	4	<10	18	7.7	12	27	166	9	27
SR 1300E + 825N	Soil	64	—	0.6	789	69	110	7423	<5	<3	5	<10	48	13.3	13	36	204	<5	33
SR 1300E + 850N	Soil	78	—	0.6	536	55	102	7307	5	<3	4	<10	31	9.5	17	32	159	8	29
SR 1300E + 880N	Soil	72	—	0.4	436	48	67	2242	<5	<3	6	<10	8	6.9	13	25	164	5	28
SR 100W + 100S	Soil	7	—	<0.1	88	49	114	406	8	<3	2	<10	<2	8.7	23	52	231	<5	42
SR 100W + 125S	Soil	7	—	<0.1	57	47	105	263	6	<3	3	<10	<2	7.6	24	39	151	<5	35
SR 100W + 150S	Soil	12	—	<0.1	87	72	161	391	13	<3	3	<10	<2	9.7	22	50	244	<5	45
SR 100W + 175S	Soil	12	—	0.2	114	115	173	652	27	<3	3	<10	<2	10.3	24	49	221	<5	41
SR 100W + 200S	Soil	7	—	<0.1	92	100	178	577	20	<3	3	<10	<2	9.2	20	48	176	<5	42
SR 100W + 225S	Soil	8	—	<0.1	85	79	145	447	19	<3	1	<10	<2	9.2	23	50	214	<5	39
SR 100W + 250S	Soil	2	—	0.1	40	21	68	117	<5	<3	4	<10	<2	5.7	17	42	97	<5	21
SR 100W + 275S	Soil	<2	—	<0.1	49	26	49	88	21	<3	14	<10	<2	13.3	12	35	125	<5	24
SR 100W + 300S	Soil	6	—	0.3	78	84	94	374	11	<3	2	<10	<2	8.6	16	35	124	8	26
SR 100W + 325S	Soil	7	—	<0.1	62	97	137	423	22	<3	3	<10	<2	8.3	17	40	162	<5	39
SR 100W + 350S	Soil	5	—	<0.1	42	67	111	286	15	<3	2	<10	<2	8.2	16	36	133	<5	35
SR 100W + 375S	Soil	3	—	0.3	49	38	165	234	5	<3	2	<10	<2	10.4	13	31	86	<5	29
SR 100W + 400S	Soil	10	—	<0.1	59	130	180	390	16	<3	3	<10	<2	9.0	16	33	109	<5	32
SR 300W + 25S	Soil	3	—	<0.1	44	52	91	184	<5	<3	1	<10	<2	6.8	16	29	236	<5	38
SR 300W + 50S	Soil	2	—	<0.1	60	57	113	239	6	<3	1	<10	<2	8.4	17	41	290	<5	43
SR 300W + 75S	Soil	<2	—	<0.1	40	35	80	171	<5	<3	2	<10	<2	6.7	14	31	210	<5	33
SR 300W + 100S	Soil	5	—	<0.1	23	16	57	88	<5	<3	1	<10	<2	5.1	8	22	91	<5	27
SR 300W + 125S	Soil	10	—	<0.1	41	37	87	153	6	<3	2	<10	<2	6.3	12	32	169	<5	35
SR 300W + 150S	Soil	6	—	<0.1	105	40	110	253	12	<3	3	<10	<2	9.6	25	57	201	<5	31
SR 300W + 175S	Soil	23	—	<0.1	61	46	114	256	14	<3	4	<10	<2	6.8	19	59	94	<5	23
SR 300W + 200S	Soil	<2	—	<0.1	19	13	56	74	<5	<3	2	<10	<2	4.9	7	17	110	<5	25
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 1200E + 800N	70	406	32	49	4	5	0.16	1.48	0.33	3.70	0.66	0.41	0.01	0.12
SR 1200E + 825N	68	429	43	51	3	5	0.14	1.65	0.36	3.66	0.68	0.30	0.01	0.12
SR 1200E + 850N	64	229	31	37	2	3	0.11	1.84	0.22	3.63	0.59	0.20	0.01	0.10
SR 1300E + 500N	66	567	30	36	2	5	0.10	2.87	0.46	4.19	0.68	0.21	<0.01	0.08
SR 1300E + 525N	51	445	39	38	2	4	0.11	1.80	0.40	2.96	0.52	0.16	0.01	0.09
SR 1300E + 575N	47	482	35	26	2	4	0.10	1.66	0.32	2.81	0.48	0.15	<0.01	0.09
SR 1300E + 600N	47	387	33	29	2	4	0.08	1.57	0.33	2.81	0.49	0.11	0.01	0.10
SR 1300E + 625N	43	369	31	24	2	3	0.08	1.51	0.28	2.60	0.44	0.12	<0.01	0.09
SR 1300E + 650N	41	342	23	22	1	2	0.06	1.82	0.26	2.46	0.42	0.07	0.01	0.09
SR 1300E + 675N	49	440	12	17	2	2	0.06	2.64	0.19	3.01	0.46	0.05	<0.01	0.05
SR 1300E + 700N	53	417	13	13	1	1	0.04	2.11	0.16	2.90	0.31	0.04	<0.01	0.05
SR 1300E + 725N	58	276	11	13	1	1	0.05	1.94	0.17	2.99	0.30	0.04	<0.01	0.05
SR 1300E + 750N	73	278	12	11	1	2	0.06	1.52	0.10	3.23	0.29	0.05	<0.01	0.03
SR 1300E + 775N	59	310	11	14	1	1	0.07	1.97	0.15	3.02	0.24	0.04	<0.01	0.05
SR 1300E + 800N	54	327	52	60	1	4	0.06	1.91	0.33	3.70	0.52	0.11	<0.01	0.12
SR 1300E + 825N	68	402	118	77	2	5	0.04	2.44	0.31	6.14	0.70	0.13	<0.01	0.12
SR 1300E + 850N	57	466	59	51	2	4	0.06	1.88	0.30	4.54	0.60	0.11	<0.01	0.10
SR 1300E + 880N	52	315	78	105	1	3	0.06	1.84	0.31	3.22	0.48	0.12	0.01	0.12
SR 100W + 100S	66	771	21	98	4	4	0.10	3.76	1.30	3.65	1.07	0.25	0.13	0.12
SR 100W + 125S	63	441	16	23	4	4	0.09	2.96	0.28	3.57	0.88	0.14	<0.01	0.08
SR 100W + 150S	78	547	19	64	6	5	0.10	3.51	0.43	4.40	1.21	0.23	<0.01	0.10
SR 100W + 175S	69	531	21	65	9	5	0.10	3.16	0.55	4.63	1.17	0.25	0.01	0.13
SR 100W + 200S	67	481	23	66	9	5	0.11	2.60	0.68	4.06	1.08	0.24	0.03	0.12
SR 100W + 225S	70	628	23	90	8	5	0.12	2.70	1.04	3.98	1.12	0.30	0.08	0.13
SR 100W + 250S	39	294	15	18	3	2	0.05	1.65	0.21	2.90	0.43	0.08	<0.01	0.07
SR 100W + 275S	51	207	20	44	2	1	0.03	1.41	0.07	6.49	0.23	0.11	<0.01	0.12
SR 100W + 300S	52	438	20	50	2	2	0.05	2.06	0.22	3.95	0.47	0.10	<0.01	0.10
SR 100W + 325S	67	367	19	30	2	3	0.05	2.96	0.35	4.00	1.25	0.10	<0.01	0.12
SR 100W + 350S	67	392	14	24	1	2	0.05	2.29	0.32	3.91	0.82	0.07	<0.01	0.07
SR 100W + 375S	56	353	9	26	2	2	0.05	2.40	0.40	3.86	0.44	0.04	<0.01	0.05
SR 100W + 400S	67	591	14	18	1	1	0.04	2.33	0.25	4.00	0.55	0.05	<0.01	0.08
SR 300W + 25S	61	467	21	85	6	5	0.11	2.94	0.97	2.95	0.98	0.35	0.10	0.10
SR 300W + 50S	72	485	23	63	4	5	0.12	3.62	0.75	3.54	1.13	0.35	0.05	0.10
SR 300W + 75S	63	293	17	23	3	4	0.10	2.66	0.28	3.21	0.76	0.17	<0.01	0.08
SR 300W + 100S	48	159	15	14	1	2	0.06	1.85	0.18	2.61	0.49	0.06	<0.01	0.07
SR 300W + 125S	56	260	19	24	2	3	0.08	2.25	0.30	3.03	0.65	0.13	<0.01	0.09
SR 300W + 150S	58	514	21	38	4	4	0.08	2.22	0.37	4.52	0.58	0.17	<0.01	0.11
SR 300W + 175S	41	327	21	14	3	2	0.05	1.73	0.14	3.26	0.45	0.09	<0.01	0.06
SR 300W + 200S	47	156	12	13	1	1	0.04	1.74	0.15	2.44	0.44	0.04	<0.01	0.06
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 300W + 225S	Soil	<2	—	<0.1	36	28	79	160	<5	<3	4	<10	<2	6.4	11	26	93	<5	29
SR 300W + 250S	Soil	2	—	<0.1	35	22	57	105	<5	<3	2	<10	<2	6.0	13	29	94	<5	25
SR 300W + 275S	Soil	12	—	<0.1	28	29	76	119	<5	<3	2	<10	<2	6.4	11	23	101	<5	33
SR 500W + 600N	Soil	106	—	<0.1	151	32	84	401	5	<3	3	<10	<2	8.0	23	46	155	18	26
SR 500W + 625N	Soil	42	—	<0.1	140	23	94	450	<5	<3	2	<10	<2	7.3	20	29	219	<5	30
SR 500W + 650N	Soil	30	—	<0.1	128	42	95	435	6	<3	1	<10	<2	7.9	13	24	194	11	32
SR 500W + 675N	Soil	9	—	<0.1	65	46	85	121	<5	<3	1	<10	<2	7.9	19	33	197	<5	32
SR 500W + 700N	Soil	3	—	<0.1	66	69	162	144	<5	<3	2	<10	<2	9.0	32	67	157	<5	32
SR 500W + 725N	Soil	43	—	<0.1	61	17	86	92	<5	<3	2	<10	<2	6.6	19	35	166	<5	33
SR 500W + 750N	Soil	12	—	<0.1	52	14	57	105	<5	<3	1	<10	<2	6.6	19	33	178	<5	35
SR 500W + 775N	Soil	6	—	<0.1	46	23	51	101	<5	<3	1	<10	<2	5.7	18	31	169	<5	31
SR 500W + 800N	Soil	17	—	<0.1	35	16	52	105	<5	<3	2	<10	<2	5.9	16	29	152	<5	35
SR 500W + 825N	Soil	38	—	<0.1	30	17	53	104	<5	<3	2	<10	<2	6.2	14	29	171	<5	43
SR 500W + 850N	Soil	4	—	<0.1	25	13	42	114	<5	<3	2	<10	<2	4.8	11	23	119	<5	34
SR 500W + 875N	Soil	14	—	<0.1	23	15	50	118	<5	<3	2	<10	<2	5.4	11	20	122	<5	40
SR 500W + 900N	Soil	10	—	<0.1	21	15	56	138	<5	<3	2	<10	<2	6.2	12	27	140	<5	45
SR 500W + 925N	Soil	7	—	<0.1	23	16	56	101	<5	<3	3	<10	<2	5.2	11	25	126	<5	36
SR 500W + 950N	Soil	30	—	<0.1	25	16	69	140	<5	<3	1	<10	<2	7.5	16	30	136	<5	51
SR 500W + 975N	Soil	8	—	<0.1	12	10	57	134	<5	<3	3	<10	<2	6.2	11	21	131	<5	45
SR 500W +1000N	Soil	<2	—	<0.1	11	11	46	129	<5	<3	3	<10	<2	5.1	9	18	102	<5	36
SR 500W +1025N	Soil	<2	—	<0.1	14	11	62	136	<5	<3	4	<10	<2	6.6	11	18	98	<5	46
SR 500W +1050N	Soil	22	—	<0.1	14	20	79	122	<5	<3	2	<10	<2	6.4	12	21	165	<5	47
SR 500W +1075N	Soil	6	—	<0.1	26	16	61	146	<5	<3	2	<10	<2	6.7	13	23	126	<5	43
SR 500W +1100N	Soil	8	—	<0.1	20	14	59	154	<5	<3	1	<10	<2	7.4	14	28	163	<5	48
SR 500W +1125N	Soil	<2	—	<0.1	20	12	64	149	<5	<3	2	<10	<2	7.4	14	28	180	7	47
SR 500W +1150N	Soil	208	—	<0.1	18	9	55	147	<5	<3	1	<10	<2	7.0	14	25	164	5	45
SR 500W +1175N	Soil	5	—	<0.1	21	16	84	130	<5	<3	<1	<10	<2	7.0	14	28	227	<5	45
SR 500W +1200N	Soil	70	—	<0.1	22	19	80	127	<5	<3	1	<10	<2	7.4	14	29	232	<5	42
SR 500W +1225N	Soil	6	—	<0.1	25	20	97	128	<5	<3	2	<10	<2	7.5	15	34	219	<5	43
SR 600W + 600N	Soil	9	—	<0.1	96	26	67	296	<5	<3	3	<10	<2	7.1	18	31	230	<5	29
SR 600W + 625N	Soil	28	—	<0.1	117	28	63	341	<5	<3	1	<10	<2	7.0	18	34	217	<5	30
SR 600W + 650N	Soil	14	—	<0.1	132	26	68	344	<5	<3	2	<10	<2	7.1	18	35	221	<5	32
SR 600W + 675N	Soil	24	—	0.2	161	26	68	454	<5	<3	<1	<10	<2	6.5	16	33	194	9	27
SR 600W + 700N	Soil	28	—	0.2	174	23	73	446	<5	<3	1	<10	2	6.5	17	34	191	9	26
SR 600W + 725N	Soil	9	—	<0.1	93	30	69	115	<5	<3	1	<10	<2	8.2	35	47	394	<5	31
SR 600W + 750N	Soil	28	—	<0.1	67	29	68	115	<5	<3	3	<10	<2	9.5	34	36	556	<5	29
SR 600W + 775N	Soil	30	—	<0.1	85	24	68	96	7	<3	2	<10	<2	8.9	35	49	636	<5	27
SR 600W + 800N	Soil	3	—	<0.1	59	25	56	107	9	<3	2	<10	<2	8.2	38	36	490	11	23
SR 600W + 825N	Soil	19	—	<0.1	43	21	57	72	7	<3	3	<10	<2	7.8	31	31	548	5	18
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 300W + 225S	56	615	13	14	1	1	0.04	1.99	0.13	3.19	0.54	0.05	<0.01	0.09
SR 300W + 250S	48	338	12	16	2	2	0.06	2.18	0.22	2.89	0.51	0.05	<0.01	0.07
SR 300W + 275S	60	282	15	15	2	2	0.05	2.31	0.19	3.05	0.60	0.06	<0.01	0.06
SR 500W + 600N	59	379	16	37	2	2	0.08	1.72	0.32	3.83	0.55	0.12	<0.01	0.10
SR 500W + 625N	67	496	16	41	2	3	0.08	2.16	0.57	3.53	0.76	0.13	0.01	0.10
SR 500W + 650N	54	562	20	92	3	3	0.08	2.14	1.59	3.47	0.88	0.15	0.06	0.07
SR 500W + 675N	66	507	16	165	3	4	0.12	2.55	4.05	3.57	0.96	0.27	0.17	0.10
SR 500W + 700N	64	883	14	173	3	3	0.09	2.44	4.07	3.77	0.90	0.22	0.15	0.11
SR 500W + 725N	47	616	10	142	4	2	0.07	2.34	3.90	2.70	0.92	0.19	0.14	0.11
SR 500W + 750N	55	563	13	135	3	3	0.09	2.68	2.46	3.01	0.94	0.15	0.16	0.07
SR 500W + 775N	53	465	11	122	3	2	0.07	2.30	2.69	2.71	0.84	0.17	0.14	0.08
SR 500W + 800N	49	473	11	136	3	3	0.07	2.66	2.56	2.59	0.90	0.16	0.19	0.06
SR 500W + 825N	53	479	12	153	3	3	0.09	2.95	3.54	2.64	1.01	0.26	0.22	0.07
SR 500W + 850N	43	480	9	137	3	2	0.07	2.63	3.02	2.10	0.82	0.12	0.21	0.06
SR 500W + 875N	47	505	11	156	4	3	0.09	3.24	3.41	2.38	1.00	0.19	0.24	0.07
SR 500W + 900N	53	539	13	173	4	4	0.11	3.69	3.25	2.69	1.14	0.21	0.29	0.06
SR 500W + 925N	43	427	8	144	3	2	0.07	2.74	3.44	2.27	0.90	0.18	0.20	0.07
SR 500W + 950N	65	551	13	179	4	5	0.12	3.88	3.26	3.18	1.29	0.26	0.30	0.06
SR 500W + 975N	45	436	12	290	4	5	0.11	4.12	10%	2.47	1.31	0.43	0.32	0.07
SR 500W +1000N	35	361	11	311	3	4	0.09	3.77	13%	1.99	1.09	0.39	0.34	0.08
SR 500W +1025N	43	382	8	336	4	5	0.10	4.45	13%	2.57	1.53	0.40	0.35	0.09
SR 500W +1050N	54	604	21	135	4	4	0.11	3.95	2.26	2.79	1.36	0.22	0.22	0.07
SR 500W +1075N	48	452	13	286	4	5	0.11	4.42	7.25	2.76	1.45	0.34	0.31	0.10
SR 500W +1100N	53	523	14	194	4	5	0.11	4.36	4.09	3.10	1.51	0.37	0.26	0.06
SR 500W +1125N	52	525	15	221	4	5	0.12	4.56	5.00	3.04	1.51	0.48	0.28	0.08
SR 500W +1150N	47	527	15	261	4	5	0.12	4.53	8.43	2.87	1.48	0.45	0.27	0.07
SR 500W +1175N	55	654	18	90	3	4	0.10	3.98	1.72	3.12	1.26	0.43	0.11	0.08
SR 500W +1200N	54	590	18	74	3	4	0.10	3.56	1.17	3.20	1.14	0.36	0.06	0.06
SR 500W +1225N	58	577	19	93	3	5	0.10	3.47	1.08	3.30	1.25	0.35	0.08	0.09
SR 600W + 600N	71	474	13	32	1	1	0.07	1.99	0.61	3.39	0.60	0.12	<0.01	0.07
SR 600W + 625N	64	412	11	36	1	1	0.05	1.98	0.58	3.44	0.64	0.10	<0.01	0.08
SR 600W + 650N	64	422	13	36	2	2	0.06	1.98	0.55	3.36	0.66	0.10	<0.01	0.08
SR 600W + 675N	58	339	13	37	1	2	0.06	1.85	0.50	3.22	0.57	0.08	0.01	0.08
SR 600W + 700N	54	465	13	38	2	2	0.06	1.61	0.50	3.14	0.55	0.08	0.01	0.08
SR 600W + 725N	85	647	12	39	2	3	0.12	2.19	0.49	3.92	0.77	0.17	<0.01	0.10
SR 600W + 750N	112	539	16	25	6	4	0.24	2.75	0.36	4.47	0.97	0.22	<0.01	0.08
SR 600W + 775N	102	572	17	65	3	4	0.19	2.01	0.78	4.25	0.91	0.25	0.01	0.14
SR 600W + 800N	93	540	13	53	2	3	0.18	1.81	0.52	3.95	0.75	0.21	<0.01	0.10
SR 600W + 825N	88	465	12	42	2	3	0.16	1.92	0.57	3.78	0.65	0.13	<0.01	0.07
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1029

Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 600W + 850N	Soil	24	—	<0.1	33	27	81	83	<5	<3	1	<10	<2	9.5	25	27	725	<5	16
SR 600W + 875N	Soil	6	—	0.1	28	23	69	94	<5	<3	2	<10	<2	7.6	21	25	401	<5	23
SR 600W + 900N	Soil	<2	—	<0.1	29	17	73	147	<5	<3	1	<10	<2	7.0	15	34	132	<5	49
SR 600W + 925N	Soil	2	—	<0.1	35	28	94	279	<5	<3	1	<10	<2	7.1	13	25	137	<5	43
SR 600W + 950N	Soil	<2	—	<0.1	21	9	59	137	<5	<3	1	<10	<2	6.9	12	26	158	<5	46
SR 600W + 975N	Soil	7	—	0.1	36	39	112	158	<5	<3	1	<10	<2	7.3	16	31	155	<5	41
SR 600W +1000N	Soil	3	—	<0.1	15	11	57	124	<5	<3	2	<10	<2	5.7	10	23	131	<5	42
SR 700W + 600N	Soil	8	—	0.1	26	24	34	176	<5	<3	1	<10	<2	3.7	10	11	73	<5	18
SR 700W + 625N	Soil	6	—	0.2	38	16	43	143	<5	<3	2	<10	<2	4.5	9	18	150	<5	32
SR 700W + 650N	Soil	11	—	<0.1	51	15	52	149	<5	<3	4	<10	<2	6.7	16	26	226	<5	32
SR 700W + 675N	Soil	18	—	<0.1	67	24	64	212	<5	<3	3	<10	<2	7.9	20	40	298	<5	37
SR 700W + 700N	Soil	7	—	<0.1	73	22	61	238	<5	<3	2	<10	<2	6.2	14	20	149	<5	26
SR 700W + 725N	Soil	10	—	<0.1	86	25	81	179	<5	<3	2	<10	<2	7.8	19	36	253	<5	46
SR 700W + 750N	Soil	<2	—	<0.1	29	19	73	193	<5	<3	1	<10	<2	7.2	15	28	139	<5	48
SR 700W + 775N	Soil	<2	—	<0.1	47	27	85	254	<5	<3	3	<10	<2	7.8	16	28	156	<5	47
SR 700W + 800N	Soil	<2	—	<0.1	41	23	73	203	<5	<3	2	<10	<2	6.7	14	27	156	<5	42
SR 700W + 825N	Soil	30	—	<0.1	61	13	61	116	<5	<3	2	<10	<2	8.0	19	31	198	<5	42
SR 700W + 850N	Soil	3	—	<0.1	63	23	58	163	9	<3	2	<10	<2	10.4	24	27	541	<5	21
SR 700W + 875N	Soil	5	—	<0.1	103	25	73	143	5	<3	3	<10	<2	15.2	49	59	889	6	19
SR 700W + 900N	Soil	4	—	<0.1	67	23	60	230	22	<3	2	<10	<2	11.6	29	28	460	<5	18
SR 700W + 925N	Soil	2	—	0.1	130	25	57	93	<5	<3	2	<10	<2	10.1	23	44	221	<5	35
SR 700W + 950N	Soil	<2	—	<0.1	27	14	59	114	<5	<3	1	<10	<2	6.5	15	25	235	<5	46
SR 700W + 975N	Soil	6	—	<0.1	39	16	55	99	<5	<3	2	<10	<2	8.3	19	39	269	<5	49
SR 700W +1000N	Soil	5	—	<0.1	18	16	60	132	<5	<3	2	<10	<2	7.2	15	32	256	<5	55
SR 700W +1025N	Soil	3	—	<0.1	25	22	85	125	<5	3	2	<10	<2	7.7	16	33	221	<5	52
SR 700W +1050N	Soil	7	—	<0.1	41	17	90	176	<5	<3	3	<10	<2	9.2	20	45	163	<5	51
SR 700W +1075N	Soil	2	—	<0.1	36	24	86	134	<5	<3	2	<10	<2	8.1	15	31	158	<5	50
SR 700W +1100N	Soil	8	—	<0.1	35	13	81	112	<5	<3	3	<10	<2	7.4	14	31	193	<5	42
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 98I1029

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Client : Homestake Canada Inc
Project: 90822 Yukon

223 Samples
223=Soil

[102915:18:29:89093098]

Out: Sep 29, 1998
In : Sep 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 600W + 850N	95	675	15	38	2	3	0.16	2.41	0.61	4.41	1.07	0.29	<0.01	0.15
SR 600W + 875N	82	396	13	35	1	2	0.10	1.97	0.37	3.69	0.74	0.19	<0.01	0.13
SR 600W + 900N	67	543	14	122	3	5	0.12	3.59	1.78	3.19	1.29	0.14	0.17	0.09
SR 600W + 925N	50	590	13	183	3	4	0.09	3.51	2.95	2.86	1.28	0.28	0.22	0.07
SR 600W + 950N	49	519	13	240	4	4	0.11	3.99	4.82	2.82	1.39	0.32	0.25	0.07
SR 600W + 975N	51	567	12	246	3	3	0.09	3.08	6.99	2.91	1.19	0.41	0.20	0.08
SR 600W +1000N	45	477	11	275	3	4	0.10	3.75	7.18	2.45	1.28	0.42	0.28	0.08
SR 700W + 600N	58	292	8	13	1	1	0.14	1.12	0.23	1.86	0.23	0.07	0.01	0.05
SR 700W + 625N	56	192	8	18	1	1	0.08	1.21	0.21	2.31	0.50	0.12	0.01	0.06
SR 700W + 650N	80	476	10	23	2	3	0.11	2.13	0.24	3.26	0.71	0.10	<0.01	0.06
SR 700W + 675N	86	522	11	49	3	3	0.11	2.19	0.55	3.63	1.00	0.17	<0.01	0.10
SR 700W + 700N	64	789	12	19	1	1	0.07	1.82	0.20	3.07	0.39	0.09	<0.01	0.06
SR 700W + 725N	95	695	13	57	3	4	0.12	2.95	0.43	3.62	1.39	0.13	0.02	0.10
SR 700W + 750N	58	495	16	177	4	5	0.12	4.09	2.08	3.12	1.41	0.17	0.25	0.09
SR 700W + 775N	55	535	15	184	3	5	0.11	3.76	2.44	3.23	1.37	0.21	0.23	0.08
SR 700W + 800N	49	528	12	164	3	3	0.08	3.16	2.80	2.82	1.16	0.16	0.18	0.09
SR 700W + 825N	58	529	14	161	3	4	0.10	3.13	2.99	3.56	1.20	0.28	0.18	0.08
SR 700W + 850N	101	707	22	58	2	4	0.08	2.20	1.18	4.87	1.05	0.33	<0.01	0.21
SR 700W + 875N	180	1169	20	54	3	6	0.17	3.05	1.00	6.87	1.75	0.55	<0.01	0.15
SR 700W + 900N	96	853	31	63	2	4	0.05	2.33	1.59	5.35	0.96	0.32	<0.01	0.33
SR 700W + 925N	78	440	14	31	3	3	0.09	2.00	0.32	4.84	0.98	0.27	<0.01	0.07
SR 700W + 950N	70	692	13	64	2	3	0.08	3.00	0.85	3.13	1.02	0.16	0.04	0.09
SR 700W + 975N	81	576	12	94	2	4	0.11	2.89	1.43	3.86	1.21	0.25	0.08	0.07
SR 700W +1000N	80	550	16	144	4	5	0.15	4.01	1.83	3.25	1.33	0.29	0.19	0.05
SR 700W +1025N	74	554	17	168	5	6	0.13	3.81	2.35	3.31	1.46	0.27	0.19	0.06
SR 700W +1050N	85	662	14	163	4	6	0.13	3.68	3.08	4.03	1.63	0.33	0.20	0.09
SR 700W +1075N	72	561	18	127	4	5	0.12	3.94	1.53	3.45	1.59	0.24	0.15	0.09
SR 700W +1100N	67	479	16	124	4	5	0.10	3.23	1.46	3.37	1.46	0.37	0.14	0.08
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98I1018

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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

121 Samples Out: Sep 25, 1998 In: Sep 22, 1998 [101815:16:30:89093098]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	121	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada
Att: Mike Papageorge Ph:604/684-2345
Fx:604/684-9831
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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BC Certified Assayer: David Chiu

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 98I1018

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Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
01375	Rock	8	—	1.2	2212	48	67	<5	<5	<3	<1	<10	<2	94.8	163	126	21	<5	2
01376	Rock	57	—	1.1	1178	58	62	1498	<5	<3	<1	<10	8	73.9	258	160	20	695	25
01377	Rock	238	—	2.8	769	10	34	604	11	<3	4	<10	108	5.0	18	11	19	64	41
01378	Rock	154	—	1.7	128	21	19	2.4%	66	<3	1	<10	1224	6.2	113	30	<2	14	29
01379	Rock	18	—	1.5	1035	25	40	711	5	<3	2	<10	39	2.9	8	7	16	<5	46
01380	Rock	<2	—	0.1	56	30	41	208	<5	3	2	<10	<2	4.0	4	4	17	<5	32
01381	Rock	2	—	0.2	64	28	34	69	8	<3	3	<10	<2	4.4	10	7	91	8	63
01382	Rock	8	—	0.1	98	9	24	5511	16	<3	4	<10	<2	7.6	50	28	9	<5	40
01383	Rock	6	—	24.5	4466	21	162	545	<5	<3	2	<10	<2	9.0	10	20	22	<5	52
01384	Rock	<2	—	0.3	151	11	26	2462	8	<3	5	<10	<2	3.0	23	13	25	<5	56
01385	Rock	<2	—	0.3	118	3	16	356	5	<3	1	<10	<2	2.2	9	6	25	<5	43
01386	Rock	14	—	0.2	37	<2	18	1563	5	<3	2	<10	90	2.0	11	4	26	<5	21
01387	Rock	40	—	7.4	3868	9	127	591	5	<3	<1	<10	<2	6.4	4	9	6	5	20
01388	Rock	582	—	0.5	53	29	17	2.2%	41	<3	1	<10	56	3.8	115	104	<2	<5	35
01389	Rock	4	—	0.7	273	25	50	1993	10	<3	2	<10	<2	4.0	13	10	41	8	55
01390	Rock	16	—	0.1	93	13	33	190	<5	<3	1	<10	<2	11.2	6	21	<2	<5	50
01391	Rock	14	—	0.1	196	2	22	177	<5	<3	2	<10	<2	5.3	4	8	<2	<5	66
8921	Rock	2800	2.80	16.2	6663	49	163	742	15	<3	<1	<10	240	14.4	9	19	26	10	44
8922	Rock	1470	1.40	9.9	4584	35	124	852	19	<3	2	<10	103	10.3	13	27	56	<5	544
8923	Rock	2700	2.64	5.0	2280	14	64	236	8	<3	2	<10	190	6.5	4	13	37	<5	38
8925	Rock	1000	0.95	14.0	6013	24	148	274	6	<3	1	<10	60	11.1	6	20	32	<5	50
8926	Rock	1330	1.30	13.4	5875	23	145	2274	12	<3	1	<10	97	12.4	20	10	20	341	29
8927	Rock	630	—	19.6	8150	16	190	6629	12	<3	1	<10	69	12.4	51	11	22	0.2%	35
8928	Rock	696	—	26.5	11827	24	263	4230	11	<3	1	<10	78	15.2	33	16	19	0.1%	32
8929	Rock	170	—	13.9	5827	21	148	8784	28	<3	<1	<10	33	15.2	56	22	15	87	25
8930	Rock	538	—	12.7	5726	24	151	2.9%	77	<3	<1	<10	133	14.6	101	44	<2	14	24
8931	Rock	92	—	4.5	2088	19	61	485	11	<3	1	<10	15	5.8	5	9	68	12	47
8932	Rock	180	—	12.7	5554	14	150	331	10	<3	1	<10	21	13.0	7	16	24	12	24
8933	Rock	230	—	31.0	14239	12	364	1001	<5	<3	<1	<10	40	16.9	13	20	7	907	24
8934	Rock	192	—	14.7	6129	19	172	1908	14	<3	1	<10	20	13.5	21	21	3	13	27
8935	Rock	139	—	10.9	5075	11	136	3162	14	<3	<1	<10	6	9.7	26	16	23	13	22
8936	Rock	236	—	5.1	2184	21	70	5941	22	<3	1	<10	6	8.2	42	18	41	122	24
8937	Rock	350	—	9.7	4727	18	134	1897	12	<3	<1	<10	6	11.3	15	16	39	6	32
8938	Rock	290	—	5.2	2591	19	77	5474	15	<3	<1	<10	12	10.0	32	21	40	8	30
8939	Rock	372	—	5.9	2474	45	104	3264	15	<3	<1	<10	32	7.8	22	22	84	9	31
8940	Rock	920	—	5.2	2292	30	102	2945	13	<3	1	<10	53	6.6	20	22	73	13	33
8941	Rock	1570	1.70	5.5	2652	32	123	3348	13	<3	2	<10	99	7.6	23	29	85	25	31
8942	Rock	4360	4.30	7.7	3489	28	133	3155	16	<3	<1	<10	290	10.6	21	32	37	15	31
19984	Rock	21	—	1.2	644	43	52	767	8	3	2	<10	<2	7.4	18	51	17	6	48
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1018

Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
01375	38	23	<2	2	14	<1	<0.01	0.05	0.05	27%	0.01	<0.01	<0.01	0.03
01376	34	110	2	9	14	1	0.01	0.17	0.21	23%	0.05	<0.01	<0.01	0.04
01377	11	577	3	36	9	1	0.10	0.26	4.88	2.59	0.11	0.01	<0.01	0.05
01378	4	149	15	64	3	<1	0.03	1.43	2.82	3.08	0.09	0.06	0.49	0.09
01379	4	573	<2	62	2	<1	0.03	0.23	10%	1.31	0.10	0.01	0.01	0.02
01380	22	428	26	96	4	2	0.11	2.14	6.79	1.75	0.50	0.08	0.31	0.08
01381	38	218	54	75	39	1	0.16	0.80	1.14	2.14	0.42	0.18	0.05	0.10
01382	34	837	2	57	5	2	0.05	1.26	6.67	3.58	0.80	0.04	0.07	0.06
01383	38	528	2	26	7	2	0.19	1.01	2.57	4.14	0.56	0.02	0.04	0.07
01384	11	333	3	35	6	1	0.09	0.45	4.03	1.39	0.17	0.02	0.10	0.09
01385	17	519	7	43	8	1	0.19	0.38	4.57	1.13	0.17	0.03	0.03	0.07
01386	5	355	13	82	2	1	0.05	1.34	6.30	0.69	0.17	0.05	0.45	0.08
01387	7	244	24	76	2	<1	0.04	1.29	3.56	2.78	0.04	0.04	0.28	0.11
01388	5	189	24	80	4	<1	0.04	1.54	2.41	1.89	0.05	0.06	0.38	0.05
01389	55	323	52	53	16	4	0.11	0.85	1.41	2.06	0.65	0.12	0.04	0.14
01390	27	1172	62	53	4	3	0.09	1.46	7.65	5.39	0.72	0.05	0.02	0.09
01391	16	1414	30	28	3	2	0.09	0.83	5.77	2.60	0.19	<0.01	<0.01	0.09
8921	31	886	29	58	5	3	0.06	1.48	6.82	6.14	0.83	0.03	0.07	0.08
8922	21	556	46	47	6	2	0.09	0.94	4.16	4.74	0.40	0.06	0.08	0.09
8923	15	454	49	57	3	1	0.07	0.79	7.04	2.97	0.38	0.04	0.11	0.07
8925	22	656	32	46	5	2	0.05	1.15	5.08	4.91	0.57	0.03	0.06	0.07
8926	13	434	22	50	4	1	0.04	1.03	3.27	5.77	0.30	0.03	0.15	0.07
8927	16	448	34	44	5	2	0.03	0.87	4.76	5.90	0.36	0.04	0.07	0.08
8928	15	381	33	45	4	1	0.04	0.93	3.65	6.88	0.29	0.04	0.10	0.07
8929	14	336	29	82	4	1	0.03	1.39	3.32	6.67	0.26	0.05	0.29	0.07
8930	10	296	46	68	4	<1	0.02	0.92	3.83	6.45	0.18	0.04	0.21	0.06
8931	12	298	60	36	4	1	0.09	0.41	4.39	2.76	0.22	0.08	0.04	0.06
8932	11	304	46	58	4	1	0.06	0.92	2.15	5.74	0.15	0.04	0.20	0.08
8933	10	306	40	37	3	1	0.04	0.60	2.42	6.99	0.13	0.01	0.08	0.08
8934	12	273	27	48	3	1	0.04	0.80	3.76	5.84	0.17	0.03	0.16	0.06
8935	9	254	37	39	2	<1	0.04	0.58	3.64	4.33	0.13	0.04	0.11	0.07
8936	10	270	53	23	3	1	0.04	0.28	2.63	3.95	0.09	0.07	<0.01	0.07
8937	12	286	54	35	4	1	0.05	0.68	2.33	5.16	0.11	0.05	0.03	0.08
8938	12	321	63	28	4	1	0.04	0.49	2.45	4.84	0.15	0.06	<0.01	0.08
8939	16	904	72	95	4	1	0.04	0.88	4.37	3.67	0.21	0.06	0.04	0.08
8940	14	325	47	68	4	1	0.07	1.02	5.20	2.88	0.13	0.07	0.06	0.09
8941	16	309	47	71	4	1	0.06	1.29	3.86	3.35	0.15	0.06	0.06	0.09
8942	13	271	43	61	3	1	0.04	1.13	3.45	4.72	0.13	0.06	0.04	0.08
19984	11	78	18	164	12	1	0.07	2.40	2.31	3.45	0.15	0.05	0.39	0.21
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1018

Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
19985	Rock	4	—	0.1	63	46	31	147	10	<3	1	<10	<2	2.7	11	24	76	<5	89
19986	Rock	2	—	0.6	261	17	49	150	9	<3	1	<10	<2	3.4	4	9	8	7	23
19987	Rock	<2	—	0.4	275	28	43	173	<5	<3	2	<10	<2	4.4	8	41	45	6	65
19988	Rock	<2	—	0.2	157	29	49	812	10	<3	3	<10	<2	2.6	12	18	54	<5	78
19989	Rock	2	—	0.7	76	20	50	415	8	<3	1	<10	<2	1.5	6	10	61	<5	43
19990	Rock	57	—	0.6	390	7	59	1254	10	<3	1	<10	<2	3.0	19	15	71	<5	26
19991	Rock	107	—	1.9	1288	30	114	2607	17	<3	1	<10	125	4.1	23	21	10	223	16
19992	Rock	<2	—	<0.1	28	4	13	524	5	<3	1	<10	<2	1.8	7	6	11	<5	21
19993	Rock	38	—	1.1	425	23	59	529	7	<3	<1	<10	17	2.9	8	12	100	<5	21
19994	Rock	27	—	0.6	366	10	31	31	5	<3	<1	<10	60	4.6	3	8	3	<5	38
19995	Rock	5	—	1.2	829	15	54	19	<5	<3	<1	<10	12	4.8	3	9	8	<5	31
20154	Rock	12	—	91.1	2480	11512	6.4%	163	79	7	<1	<10	<2	1.2m	10	19	3	738	48
20155	Rock	8	—	6.0	2876	105	226	<5	<5	<3	<1	<10	<2	0.1m	45	111	18	<5	2
20156	Rock	1050	1.00	6.6	130	420	503	21%	0.2%	3	<1	<10	145	36.8	486	35	<2	16	72
20157	Rock	170	—	9.9	421	14868	340	14%	2.9%	<3	1	<10	40	32.3	395	52	<2	<5	91
20158	Rock	300	—	13.2	1131	5686	341	2.3%	0.5%	<3	<1	<10	129	55.7	207	28	<2	<5	46
20159	Rock	734	—	0.1m	1205	2.9%	5.8%	1075	1.1%	<3	<1	<10	<2	1.2m	16	34	<2	616	7
20160	Rock	<2	—	1.4	161	284	290	372	76	<3	3	<10	<2	13.4	42	72	87	<5	331
24401	Rock	3	—	0.7	228	142	166	664	53	<3	1	<10	<2	8.3	7	11	56	<5	50
24402	Rock	13	—	0.5	419	216	142	1036	83	<3	1	<10	12	14.3	8	9	4	<5	42
24403	Rock	21	—	1.0	422	182	124	158	83	<3	2	<10	<2	16.8	6	13	10	<5	54
24434	Rock	26	—	4.4	1615	25	52	2212	5	<3	1	<10	<2	17.8	8	11	12	<5	32
24435	Rock	9	—	5.9	1815	28	50	1116	7	<3	5	<10	<2	15.4	7	9	32	<5	60
24436	Rock	8	—	3.6	609	26	40	613	8	<3	1	<10	<2	15.6	6	10	42	115	64
24437	Rock	199	—	4.8	930	23	41	732	<5	<3	8	<10	<2	14.3	4	11	34	<5	81
24438	Rock	6	—	4.1	1677	23	47	285	<5	<3	2	<10	<2	21.6	8	5	29	35	36
24439	Rock	16	—	16.1	1350	17	41	490	<5	<3	1	<10	<2	12.1	3	4	18	<5	41
24440	Rock	38m	39.00	6.5	1866	11	36	2.0%	67	4	11	<10	2915	18.6	40	43	7	16	63
24441	Rock	17m	17.50	5.2	973	14	21	1.1%	30	3	3	<10	989	14.2	14	21	<2	9	35
24442	Rock	86	—	1.5	346	13	25	9580	17	<3	8	<10	25	11.8	11	7	6	17	32
24443	Rock	20	—	1.3	485	13	29	1285	<5	<3	4	<10	6	8.9	5	5	12	5	39
24444	Rock	130	—	5.4	902	11	32	527	<5	<3	1	<10	3	7.8	4	4	11	<5	47
24445	Rock	30	—	1.8	437	16	20	1350	9	<3	2	<10	<2	8.8	6	10	32	6	65
24452	Rock	101	—	0.3	185	18	46	375	18	4	3	<10	<2	11.9	27	19	151	<5	25
24453	Rock	6	—	0.4	169	28	37	79	7	<3	3	<10	<2	6.9	16	23	105	<5	143
24454	Rock	2	—	<0.1	21	41	37	52	8	<3	3	<10	<2	3.7	7	9	91	<5	75
24455	Rock	18	—	1.1	651	15	55	4807	11	<3	1	<10	<2	4.0	37	31	9	<5	31
24456	Rock	40	—	0.9	581	23	54	6182	16	<3	1	<10	<2	4.4	48	36	3	<5	28
24457	Rock	10	—	0.3	125	17	34	2879	9	<3	<1	<10	<2	2.7	19	15	8	<5	22
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 9811018

Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19985	26	80	24	154	12	2	0.12	2.55	2.16	0.84	0.30	0.23	0.39	0.11
19986	7	260	24	181	2	1	0.09	3.57	5.65	1.06	0.11	0.03	0.32	0.10
19987	15	76	27	162	8	1	0.10	2.47	2.52	1.84	0.20	0.10	0.43	0.23
19988	20	332	17	84	6	1	0.16	1.73	2.44	0.88	0.17	0.14	0.13	0.09
19989	11	228	21	80	4	1	0.10	1.31	3.84	0.52	0.10	0.12	0.30	0.10
19990	9	246	41	93	4	1	0.06	1.80	2.99	1.12	0.08	0.08	0.44	0.10
19991	6	307	12	129	2	<1	0.05	2.54	6.33	1.25	0.06	0.02	0.14	0.12
19992	5	245	16	163	2	<1	0.07	2.69	6.30	0.63	0.06	0.02	0.29	0.10
19993	8	256	30	122	3	1	0.07	1.94	3.56	0.90	0.08	0.11	0.37	0.09
19994	7	392	46	37	3	<1	0.05	0.52	4.03	2.27	0.07	0.02	0.13	0.10
19995	9	443	24	43	4	<1	0.06	0.53	4.87	2.30	0.07	0.03	0.14	0.12
20154	20	505	<2	5	7	<1	<0.01	0.04	0.11	20%	<0.01	<0.01	<0.01	0.01
20155	41	185	<2	2	14	<1	<0.01	0.01	0.08	27%	0.01	<0.01	<0.01	0.02
20156	10	19	<2	4	7	<1	<0.01	0.04	0.04	14%	0.01	<0.01	<0.01	0.02
20157	6	68	<2	7	3	<1	<0.01	0.05	0.13	11%	0.01	0.01	<0.01	0.01
20158	58	60	6	3	17	1	<0.01	0.54	0.07	19%	0.36	0.05	<0.01	0.04
20159	21	236	<2	2	5	<1	<0.01	0.38	0.04	17%	0.27	0.10	<0.01	0.02
20160	144	816	31	186	14	7	0.28	2.15	3.95	5.31	3.03	1.99	<0.01	0.23
24401	17	576	8	182	7	2	0.07	3.84	3.26	3.07	0.28	0.09	0.18	0.04
24402	18	426	7	200	4	2	0.05	4.91	5.01	4.33	0.57	0.03	0.22	0.03
24403	23	364	21	35	6	1	0.06	1.11	0.90	7.21	0.16	0.04	0.08	0.09
24434	20	138	10	42	6	1	0.10	1.08	0.86	8.17	0.06	0.08	0.14	0.07
24435	26	159	4	46	9	1	0.14	0.95	0.87	7.28	0.07	0.06	0.12	0.10
24436	63	120	8	27	16	2	0.21	0.80	0.56	7.39	0.08	0.06	0.06	0.08
24437	30	118	4	53	7	2	0.08	1.11	0.60	6.78	0.08	0.10	0.14	0.09
24438	53	130	10	92	17	2	0.22	0.96	0.63	9.80	0.08	0.04	0.03	0.10
24439	25	202	8	49	6	1	0.07	1.13	1.11	5.75	0.11	0.06	0.15	0.14
24440	44	93	6	30	9	2	0.07	0.70	0.55	8.74	0.07	0.06	0.07	0.12
24441	20	47	<2	41	6	1	0.09	0.57	0.44	6.95	0.03	0.07	0.13	0.06
24442	19	122	5	48	5	1	0.08	0.83	0.81	5.79	0.06	0.06	0.17	0.10
24443	23	188	5	47	5	1	0.10	0.97	0.99	4.43	0.09	0.05	0.18	0.08
24444	18	202	6	67	5	1	0.11	1.40	1.22	3.89	0.09	0.06	0.25	0.10
24445	32	93	6	46	8	2	0.13	1.17	0.88	4.34	0.07	0.10	0.18	0.11
24452	178	376	10	308	20	6	0.45	4.18	3.82	4.95	1.15	0.61	0.48	0.19
24453	100	380	32	49	9	6	0.14	1.54	2.66	2.82	1.47	0.16	0.01	0.18
24454	36	356	56	47	14	3	0.08	0.70	1.12	1.54	0.42	0.12	0.04	0.11
24455	7	354	31	88	2	1	0.03	1.53	5.04	1.58	0.10	0.07	0.43	0.09
24456	6	304	18	97	2	1	0.03	1.61	5.22	1.70	0.06	0.07	0.40	0.10
24457	5	271	8	100	2	<1	0.03	1.66	5.09	0.94	0.07	0.07	0.46	0.09
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1018

Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
24458	Rock	22	—	1.1	630	23	70	1155	11	3	<1	<10	<2	3.5	11	11	30	6	31
24459	Rock	17	—	2.1	1145	17	85	3513	11	<3	1	<10	<2	4.8	27	23	17	<5	24
24460	Rock	9	—	0.9	470	22	58	2409	10	<3	1	<10	<2	6.7	18	20	14	<5	25
24461	Rock	10	—	0.9	319	9	47	985	16	<3	2	<10	5	2.5	13	18	115	<5	63
24461A	Rock	7	—	1.1	615	16	58	1886	7	<3	<1	<10	<2	4.0	16	17	10	<5	21
24462	Rock	16	—	0.2	68	8	33	1038	12	<3	1	<10	23	1.8	14	14	124	<5	45
24462A	Rock	128	—	0.9	462	19	51	1037	8	<3	2	<10	<2	5.6	24	48	63	<5	70
24464	Rock	2	—	0.5	273	16	43	362	8	<3	3	<10	<2	8.8	21	43	80	<5	86
24465	Rock	316	—	0.6	373	20	37	673	12	3	2	<10	<2	9.8	27	51	60	5	85
24466	Rock	20	—	6.8	3900	14	176	6030	8	<3	28	<10	<2	14.3	53	39	20	<5	39
24467	Rock	129	—	1.5	1021	14	68	4636	11	<3	11	<10	<2	7.4	47	39	36	<5	46
24468	Rock	16	—	3.5	2043	11	103	5682	13	<3	25	<10	<2	11.9	51	41	18	<5	42
24469	Rock	21	—	1.1	676	12	37	6277	11	<3	14	<10	<2	8.0	53	36	13	<5	32
24470	Rock	36	—	2.1	1467	22	75	1.5%	16	<3	16	<10	<2	18.2	121	85	19	<5	49
24471	Rock	21	—	1.5	1014	16	66	3654	13	<3	4	<10	<2	10.2	38	40	58	<5	64
24472	Rock	146	—	0.3	348	13	41	755	5	<3	3	<10	<2	12.7	41	78	40	<5	99
24473	Rock	20	—	1.7	1378	21	88	9492	11	<3	21	<10	<2	18.8	92	61	22	<5	47
24474	Rock	14	—	4.5	2327	20	78	330	9	<3	<1	<10	<2	6.5	5	12	39	<5	35
24475	Rock	310	—	12.9	6795	47	174	1581	22	<3	1	<10	202	9.5	9	15	20	6	22
24476	Rock	296	—	21.5	6964	7	200	178	21	<3	1	<10	726	7.3	3	11	22	<5	25
24477	Rock	30	—	3.0	1493	31	105	108	11	<3	2	<10	18	5.6	3	8	34	6	31
24478	Rock	232	—	1.4	554	11	47	3067	7	<3	<1	<10	69	5.6	18	12	39	<5	30
24479	Rock	18	—	1.1	619	13	52	3037	13	<3	<1	<10	10	6.8	25	18	48	<5	25
24480	Rock	<2	—	0.7	210	17	37	1002	8	<3	1	<10	<2	3.0	6	8	81	<5	22
24481	Rock	22	—	1.0	430	19	50	1188	7	<3	3	<10	34	3.1	16	13	85	<5	24
24482	Rock	213	—	1.4	806	256	22	5.1%	235	<3	2	<10	100	19.2	247	98	<2	<5	26
24483	Rock	26	—	6.1	3986	27	110	1756	18	<3	2	<10	<2	9.2	11	12	31	<5	33
24484	Rock	61	—	0.5	407	12	24	559	21	<3	<1	<10	6	7.5	5	15	26	<5	39
24485	Rock	8	—	0.1	76	9	8	274	<5	<3	5	<10	<2	1.6	3	6	9	<5	10
24486	Rock	<2	—	<0.1	31	<2	4	116	<5	<3	1	<10	<2	0.9	2	6	19	<5	165
24487	Rock	156	—	37.0	16950	46	387	3.4%	54	<3	2	<10	33	16.8	159	110	<2	<5	20
24488	Rock	142	—	12.4	7122	30	266	6964	17	<3	<1	<10	14	10.2	45	38	12	<5	35
24489	Rock	23	—	6.5	4383	15	250	1692	7	<3	<1	<10	<2	6.1	11	15	6	<5	17
24490	Rock	3	—	2.7	1904	38	138	5242	12	<3	6	<10	<2	8.2	57	45	19	<5	15
24491	Rock	10	—	4.9	4196	92	169	294	<5	7	<1	<10	<2	60.7	133	160	22	56	20
24492	Rock	<2	—	4.3	1880	383	80	398	10	<3	<1	<10	<2	24.7	17	28	51	950	58
24493	Rock	6	—	0.1	152	18	52	130	<5	<3	1	<10	<2	12.3	5	14	113	23	35
24494	Rock	9	—	1.2	672	16	39	94	6	<3	<1	<10	<2	4.4	3	11	21	10	29
24495	Rock	6	—	4.5	2367	14	96	69	<5	<3	1	<10	<2	4.3	3	9	13	<5	21
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

INTERNATIONAL PLASMA LABORATORY LTD

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CERTIFICATE OF ANALYSIS
iPL 98I1018

Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
24458	6	281	5	111	2	<1	0.04	2.04	3.71	1.15	0.06	0.09	0.46	0.08
24459	6	298	13	113	2	<1	0.03	1.66	3.71	1.94	0.10	0.08	0.37	0.10
24460	7	320	18	120	2	1	0.04	2.20	3.08	2.95	0.11	0.09	0.45	0.09
24461	22	339	22	59	12	1	0.11	0.96	1.24	0.98	0.24	0.19	0.12	0.10
24461A	7	316	38	115	2	1	0.06	2.24	4.40	1.53	0.10	0.10	0.53	0.09
24462	15	190	18	42	14	1	0.12	0.66	1.08	0.72	0.17	0.15	0.09	0.11
24462A	38	186	25	130	7	2	0.19	2.77	2.80	2.35	0.33	0.27	0.35	0.15
24464	107	198	12	155	10	7	0.24	3.42	2.33	3.95	1.06	0.90	0.34	0.14
24465	87	192	11	139	7	5	0.17	2.98	1.85	4.48	0.92	0.73	0.24	0.14
24466	17	322	2	62	4	1	0.04	1.19	2.51	6.39	0.20	0.06	0.11	0.08
24467	26	365	11	68	5	2	0.06	0.99	3.39	3.07	0.16	0.09	0.10	0.09
24468	15	286	7	86	5	1	0.04	1.31	2.89	5.22	0.13	0.05	0.19	0.07
24469	14	283	20	85	7	1	0.05	1.08	3.92	3.81	0.13	0.05	0.18	0.08
24470	24	323	15	76	12	1	0.04	1.38	2.45	8.30	0.17	0.06	0.11	0.09
24471	31	358	10	72	11	2	0.11	1.48	2.59	4.83	0.49	0.25	0.08	0.10
24472	127	228	11	156	7	8	0.25	4.34	2.49	5.47	1.53	1.31	0.29	0.17
24473	23	409	19	106	10	1	0.04	2.33	1.82	8.43	0.22	0.12	0.15	0.08
24474	10	521	26	55	4	<1	0.06	1.28	3.06	2.99	0.11	0.06	0.26	0.10
24475	12	337	30	54	4	<1	0.03	1.16	3.24	3.97	0.05	0.06	0.28	0.12
24476	5	198	39	86	2	<1	0.05	1.59	3.07	2.90	0.05	0.07	0.38	0.17
24477	10	401	39	91	2	1	0.05	1.87	3.69	2.17	0.33	0.08	0.23	0.09
24478	18	467	25	47	3	1	0.04	1.13	5.10	2.56	0.19	0.17	0.16	0.07
24479	12	332	37	54	3	1	0.04	1.42	2.82	3.14	0.17	0.17	0.28	0.09
24480	5	259	18	82	2	1	0.06	1.80	3.59	1.15	0.08	0.10	0.52	0.10
24481	11	323	23	74	3	1	0.06	1.42	2.66	0.86	0.06	0.08	0.32	0.09
24482	11	183	3	63	9	<1	0.04	1.58	1.20	8.69	0.05	0.09	0.14	0.02
24483	16	439	24	46	3	1	0.05	1.14	2.62	4.10	0.12	0.08	0.16	0.11
24484	9	348	27	75	4	<1	0.05	1.53	3.17	3.67	0.08	0.06	0.47	0.12
24485	3	804	18	167	1	9	<0.01	0.08	34%	0.62	0.11	0.01	0.02	0.01
24486	2	203	4	20	2	<1	<0.01	0.08	1.78	0.40	0.03	0.03	0.02	0.01
24487	3	106	5	102	2	<1	0.01	2.88	1.88	6.54	0.05	0.12	0.31	0.04
24488	6	239	6	106	3	<1	0.02	2.00	3.60	3.88	0.06	0.08	0.32	0.06
24489	4	385	6	33	1	<1	0.01	0.30	3.56	2.08	0.12	0.01	0.06	0.03
24490	9	286	10	72	3	<1	0.05	1.40	1.74	3.53	0.23	0.04	0.16	0.08
24491	42	150	2	12	12	1	0.09	0.83	0.29	20%	0.52	<0.01	<0.01	0.05
24492	81	362	7	25	11	4	0.18	2.14	0.42	11%	1.69	0.04	<0.01	0.08
24493	31	651	41	32	6	3	0.07	1.67	2.28	5.85	0.55	0.44	0.12	0.07
24494	11	275	5	83	5	<1	0.05	1.16	4.34	1.86	0.06	0.06	0.38	0.09
24495	5	260	15	67	3	<1	0.03	0.92	6.01	1.91	0.04	0.03	0.27	0.11
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1018

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Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
24496	Rock	5	—	1.7	982	15	97	61	<5	<3	3	<10	<2	9.3	6	13	35	<5	58
24497	Rock	37	—	0.9	417	13	35	1950	9	<3	2	<10	28	2.9	14	10	29	<5	30
24498	Rock	10	—	<0.1	26	6	26	52	<5	<3	3	<10	<2	2.4	4	11	30	<5	186
24499	Rock	12	—	0.1	45	13	22	102	<5	<3	2	<10	<2	2.6	3	10	31	<5	188
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98I1018

Client : Homestake Canada Inc
Project: 90822 Yukon

121 Samples
121=Rock

[101815:16:30:89093098]

Out: Sep 25, 1998
In : Sep 22, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
24496	28	911	59	63	17	3	0.06	1.84	5.71	3.85	1.07	0.02	0.01	0.10
24497	8	214	35	80	3	1	0.04	1.39	4.10	0.91	0.07	0.09	0.33	0.10
24498	5	99	14	6	8	1	<0.01	0.24	0.11	1.18	0.02	0.11	0.03	0.01
24499	5	136	11	7	6	1	<0.01	0.28	0.10	1.29	0.02	0.10	0.01	0.01
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0906

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[090613:49:06:89090398]

Homestake Canada Inc
Project : Mike lake
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) g/mt ICP(AqR)30

Comment:

36 Samples Out: Sep 02, 1998 In: Aug 31, 1998

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	36	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada
Att: Mike Papageorge Ph:604/684-2345
Fx:604/684-9831
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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BC Certified Assayer: David Chiu

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CERTIFICATE OF ANALYSIS
iPL 98H0906

Client : Homestake Canada Inc
Project: Mike lake

36 Samples
36=Rock

[090613:49:06:89090398]

Out: Sep 02, 1998
In : Aug 31, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
24404	Rock	168	—	1.3	807	70	72	992	5	<3	1	<10	13	4.0	10	17	13	<5	22
24405	Rock	200	—	0.8	380	17	31	1890	7	<3	1	<10	21	2.0	7	12	11	<5	19
24406	Rock	76	—	0.9	478	67	92	670	<5	<3	<1	<10	7	2.0	6	10	22	<5	23
24407	Rock	170	—	0.5	309	6	24	851	6	<3	1	<10	14	2.3	7	16	29	<5	38
24408	Rock	540	—	1.1	437	5	25	3384	9	<3	1	14	79	2.9	14	16	13	<5	39
24409	Rock	382	—	0.3	257	5	27	1421	5	<3	1	<10	36	2.3	10	11	9	<5	46
24410	Rock	100	—	0.2	197	2	21	1554	6	<3	1	13	10	2.9	5	7	8	<5	39
24411	Rock	357	—	0.6	282	7	23	1663	<5	<3	1	24	30	3.9	5	5	20	<5	34
24412	Rock	282	—	0.9	854	<2	41	3606	9	<3	<1	31	21	4.0	14	14	11	<5	26
24413	Rock	406	—	3.3	1489	8	49	4671	8	<3	1	24	44	3.9	18	11	9	<5	28
24414	Rock	230	—	0.5	430	14	38	638	<5	<3	<1	12	35	3.2	4	6	13	<5	28
24415	Rock	518	—	0.4	465	14	32	2221	<5	<3	1	47	34	5.1	10	13	11	<5	34
24416	Rock	860	—	0.6	706	16	31	1.2%	22	<3	2	65	130	6.7	26	15	5	<5	51
24417	Rock	750	—	0.6	463	10	27	1.4%	21	<3	1	53	150	6.1	36	14	<2	<5	46
24418	Rock	2800	2.60	0.5	534	8	27	2.3%	48	<3	2	54	246	5.8	79	49	<2	<5	36
24419	Rock	220	—	0.4	486	11	30	6734	10	<3	2	32	24	5.2	22	7	2	6	65
24420	Rock	5500	5.20	3.2	1957	26	81	5.3%	135	<3	3	145	710	9.9	162	159	<2	<5	65
24421	Rock	120	—	0.5	560	7	38	2308	6	<3	<1	45	8	6.3	10	9	10	<5	55
24422	Rock	486	—	0.9	861	21	41	1.2%	24	<3	2	75	59	6.9	42	16	<2	<5	72
24423	Rock	30	—	0.7	1015	15	43	1453	<5	<3	1	76	<2	7.5	8	8	8	<5	60
24424	Rock	390	—	1.1	682	18	30	2679	6	<3	1	93	39	7.7	5	8	21	<5	57
24425	Rock	160	—	0.7	443	26	78	2897	5	<3	1	96	23	8.6	6	8	15	<5	63
24426	Rock	179	—	0.7	304	21	27	2788	7	<3	1	35	19	6.1	6	6	11	<5	46
24427	Rock	447	—	0.5	505	19	18	8133	17	<3	1	59	62	6.1	18	5	4	<5	54
24428	Rock	2300	2.67	1.0	322	21	24	2.3%	56	<3	2	52	436	5.2	49	17	<2	<5	69
24429	Rock	134	—	0.1	228	11	26	3889	8	<3	1	27	14	4.5	8	5	10	<5	63
24430	Rock	246	—	0.3	389	12	33	2012	5	<3	1	31	30	4.2	5	6	10	<5	54
24431	Rock	200	—	0.2	275	9	31	1269	5	<3	1	33	19	4.5	5	6	11	<5	54
24432	Rock	159	—	0.3	271	10	29	832	5	<3	1	28	22	3.9	5	6	14	<5	45
24433	Rock	250	—	0.2	98	17	45	815	11	<3	1	<10	33	1.8	8	11	30	<5	33
24446	Rock	260	—	11.6	8361	10	144	1.0%	21	<3	2	144	27	10.8	47	72	4	7	32
24447	Rock	274	—	2.5	1623	13	42	1.5%	28	<3	1	66	22	7.6	26	23	7	<5	23
24448	Rock	60	—	2.5	1867	13	59	429	<5	<3	1	30	<2	5.6	5	8	12	<5	30
24449	Rock	60	—	1.7	2052	8	70	615	<5	<3	4	194	<2	15.3	10	17	18	5	35
24450	Rock	28	—	1.1	670	10	25	551	<5	<3	2	66	<2	6.5	4	11	13	<5	27
24451	Rock	36	—	0.9	550	11	22	1466	<5	<3	3	84	<2	8.6	4	6	16	<5	25
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0906

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Client : Homestake Canada Inc
Project: Mike lake

36 Samples
36=Rock

[090613:49:06:89090398]

Out: Sep 02, 1998
In : Aug 31, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
24404	19	241	40	50	8	1	0.13	1.00	2.18	1.88	0.04	0.05	0.24	0.17
24405	12	217	22	43	5	1	0.06	0.85	2.14	1.36	0.05	0.04	0.15	0.12
24406	29	152	34	92	8	1	0.18	1.71	2.87	1.04	0.04	0.05	0.32	0.19
24407	24	257	25	41	6	1	0.05	1.04	1.73	1.65	0.04	0.05	0.12	0.06
24408	17	259	18	47	7	1	0.03	1.28	1.94	2.32	0.03	0.05	0.21	0.05
24409	23	278	4	51	4	1	0.03	1.36	1.93	1.63	0.04	0.06	0.17	0.03
24410	17	400	25	43	10	1	0.05	1.14	2.55	2.11	0.04	0.05	0.12	0.09
24411	16	296	36	34	7	1	0.05	0.97	1.62	3.02	0.05	0.05	0.12	0.08
24412	12	240	19	31	5	1	0.02	0.81	1.09	3.07	0.04	0.04	0.12	0.04
24413	13	209	17	43	5	1	0.03	0.99	1.24	2.99	0.03	0.04	0.17	0.05
24414	13	268	20	94	6	1	0.06	2.06	2.39	2.20	0.06	0.04	0.20	0.08
24415	18	350	14	64	6	1	0.03	1.62	2.04	3.86	0.04	0.05	0.15	0.08
24416	17	478	8	40	8	1	0.03	0.76	1.57	5.31	0.04	0.04	0.03	0.07
24417	17	500	6	66	9	1	0.03	0.86	1.79	4.82	0.03	0.04	0.04	0.06
24418	12	333	9	42	8	1	0.03	0.65	2.18	4.59	0.05	0.04	0.11	0.05
24419	20	523	5	15	10	1	0.04	0.84	2.48	3.92	0.03	0.04	0.04	0.05
24420	10	341	2	55	6	1	0.01	1.24	1.89	7.02	0.05	0.04	0.10	0.02
24421	18	463	5	31	7	1	0.04	0.62	2.38	4.73	0.04	0.05	0.03	0.08
24422	9	430	<2	26	5	1	0.02	0.77	2.26	5.17	0.03	0.03	0.06	0.02
24423	13	385	5	25	6	1	0.02	0.69	2.61	5.49	0.04	0.03	0.04	0.04
24424	17	286	7	69	6	1	0.03	0.94	1.61	6.02	0.06	0.03	0.05	0.05
24425	19	313	8	35	7	1	0.04	1.07	1.70	6.25	0.06	0.02	0.05	0.05
24426	20	348	10	36	7	1	0.04	1.23	1.93	4.65	0.04	0.03	0.06	0.07
24427	20	457	2	19	11	1	0.04	0.88	2.41	4.78	0.03	0.03	0.02	0.06
24428	14	384	8	68	8	1	0.02	1.14	2.34	3.97	0.03	0.03	0.07	0.07
24429	21	627	5	58	12	1	0.04	0.98	2.96	3.39	0.04	0.05	0.03	0.07
24430	13	433	10	88	8	1	0.04	1.45	2.60	3.23	0.04	0.05	0.09	0.07
24431	16	562	7	22	10	1	0.04	0.71	3.13	3.35	0.05	0.07	0.02	0.07
24432	14	469	12	37	9	1	0.04	0.77	2.43	3.19	0.05	0.05	0.04	0.07
24433	12	218	28	38	11	1	0.05	0.49	1.12	1.26	0.10	0.09	0.10	0.09
24446	16	188	6	34	4	1	0.04	1.35	0.86	7.26	0.10	0.04	0.15	0.09
24447	12	176	7	33	4	1	0.03	1.05	0.93	5.97	0.07	0.05	0.12	0.07
24448	18	236	10	47	6	1	0.13	1.31	1.43	4.17	0.08	0.04	0.28	0.12
24449	23	213	3	39	8	1	0.10	1.20	1.05	11%	0.06	0.03	0.13	0.13
24450	15	210	3	36	6	2	0.05	0.83	0.88	5.12	0.06	0.03	0.10	0.08
24451	14	191	3	50	6	1	0.06	1.09	1.00	6.55	0.05	0.04	0.17	0.12
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0896

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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

72 Samples Out: Sep 01, 1998 In: Aug 26, 1998 [089610:18:09:89090298]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B111	72	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada
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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3½ Disk
DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C0343040619
* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

CERTIFICATE OF ANALYSIS
iPL 98H0896

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Client : Homestake Canada Inc
Project: 90822 Yukon

72 Samples
72=Soil

[089610:18:09:89090298]

Out: Sep 01, 1998
In : Aug 26, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
ML Base 275 N	Soil	70	—	0.3	135	54	76	1776	5	<3	2	24	<2	4.8	27	33	131	<5	26
ML Base 350 N	Soil	10	—	<0.1	48	11	54	498	<5	<3	2	17	<2	3.9	10	29	83	<5	23
ML Base 375 N	Soil	16	—	<0.1	47	14	50	542	<5	<3	<1	13	<2	3.9	10	24	75	<5	23
ML Base 400 N	Soil	10	—	0.2	43	15	47	414	<5	<3	1	43	<2	4.2	6	23	57	<5	26
ML 100 E 350 N	Soil	15	—	<0.1	44	18	72	350	<5	<3	1	11	<2	4.0	12	32	82	<5	26
ML 100 W 275 N	Soil	13	—	0.3	31	36	46	531	5	<3	2	11	<2	3.0	7	16	81	<5	16
ML 100 W 300 N	Soil	18	—	<0.1	66	44	86	2190	6	<3	1	23	<2	4.9	17	30	104	<5	25
ML 100 W 325 N	Soil	7	—	<0.1	30	17	57	254	<5	4	1	21	<2	4.8	9	29	83	<5	27
ML 100 W 375 N	Soil	25	—	0.3	83	13	82	404	<5	<3	1	14	<2	4.8	17	37	164	<5	33
ML 100 W 400 N	Soil	58	—	<0.1	110	16	79	656	<5	<3	1	15	<2	4.9	20	37	175	<5	33
SR 100 E 425 N	Soil	19	—	1.2	473	31	97	1.1%	15	<3	4	181	211	15.1	19	37	150	<5	23
SR 100 E 450 N	Soil	<2	—	0.1	205	41	99	1316	14	4	3	53	13	8.0	22	43	202	<5	36
SR 100 E 475 N	Soil	23	—	0.4	458	160	312	1863	24	<3	2	171	32	13.5	33	61	231	12	31
SR 100 E 500 N	Soil	<2	—	0.3	110	35	97	292	8	<3	2	44	<2	6.5	17	35	285	<5	41
SR 100 E 525 N	Soil	25	—	0.2	138	25	67	608	9	<3	2	50	<2	6.8	17	46	208	9	37
SR 100 E 550 N	Soil	10	—	0.5	438	27	74	783	19	<3	2	112	<2	10.0	30	73	259	26	38
SR 100 E 600 N	Soil	21	—	0.4	749	34	100	1797	14	<3	1	161	<2	11.7	38	87	181	42	26
SR 100 E 650 N	Soil	19	—	0.6	444	42	90	1815	15	<3	1	93	<2	9.6	34	72	273	<5	36
SR 100 E 675 N	Soil	60	—	0.1	1067	72	92	3539	26	<3	2	189	24	11.5	49	105	130	12	27
SR 100 E 700 N	Soil	176	—	3.2	1553	36	96	9108	34	<3	8	320	12	20.7	69	110	113	27	22
SR 100 E 725 N	Soil	8	—	0.6	412	80	84	1443	16	<3	4	72	<2	7.9	45	88	160	25	50
SR 200 E 475 N	Soil	42	—	0.6	446	130	80	1.8%	37	3	1	229	1019	14.2	67	74	173	<5	20
SR 200 E 500 N	Soil	25	—	1.1	638	62	103	5651	28	<3	3	159	178	11.4	34	57	157	<5	26
SR 200 E 575 N	Soil	38	—	1.2	752	51	68	1.2%	34	<3	5	334	253	19.6	32	68	76	<5	22
SR 200 E 600 N	Soil	20	—	0.2	393	27	97	778	13	3	3	85	<2	9.2	20	60	225	<5	37
SR 200 E 625 N	Soil	708	—	0.5	438	52	94	6107	18	<3	4	145	250	11.1	62	55	119	<5	29
SR 200 E 650 N	Soil	20	—	0.6	951	54	101	1743	13	<3	1	69	5	7.7	38	55	187	<5	25
SR 200 E 675 N	Soil	33	—	0.7	993	33	91	1930	12	<3	1	47	11	7.4	26	43	154	7	29
SR 200 E 725 N	Soil	70	—	1.0	1480	46	115	2842	18	<3	1	93	3	9.2	32	75	152	<5	26
SR 300 E 450 N	Soil	8	—	0.2	267	24	69	1055	10	<3	2	35	<2	6.9	16	40	138	<5	39
SR 300 E 475 N	Soil	<2	—	0.2	213	21	74	819	9	<3	2	29	3	5.1	20	31	168	<5	33
SR 300 E 500 N	Soil	6	—	0.3	281	26	89	658	8	4	2	53	<2	7.5	36	41	274	<5	30
SR 300 E 525 N	Soil	11	—	0.2	351	35	84	1265	13	<3	4	86	8	9.6	26	46	227	<5	34
SR 300 E 550 N	Soil	27	—	0.6	681	41	104	2529	18	4	4	246	15	15.5	49	71	259	<5	31
SR 300 E 575 N	Soil	12	—	<0.1	150	21	58	618	12	<3	3	60	<2	7.9	19	39	316	<5	35
SR 300 E 600 N	Soil	8	—	0.2	221	31	74	632	12	<3	3	77	<2	8.8	25	46	249	<5	31
SR 300 E 625 N	Soil	13	—	0.2	454	45	87	629	16	<3	2	192	3	13.1	41	71	195	<5	31
SR 300 E 650 N	Soil	17	—	0.6	493	72	57	927	21	<3	3	240	<2	19.3	17	52	117	<5	23
SR 300 E 675 N	Soil	26	—	1.0	599	46	71	1694	15	<3	3	221	15	18.7	14	47	111	<5	25
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98H0896

Client : Homestake Canada Inc
Project: 90822 Yukon

72 Samples
72=Soil

[089610:18:09:89090298]

Out: Sep 01, 1998
In : Aug 26, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
ML Base 275 N	42	1091	22	25	1	3	0.04	1.43	0.14	3.51	0.42	0.10	<0.01	0.09
ML Base 350 N	42	352	15	10	2	2	0.04	1.31	0.10	2.73	0.37	0.04	<0.01	0.04
ML Base 375 N	45	320	14	11	1	2	0.04	1.38	0.10	2.96	0.35	0.04	<0.01	0.04
ML Base 400 N	53	241	14	9	1	1	0.04	1.46	0.06	3.24	0.30	0.04	<0.01	0.05
ML 100 E 350 N	45	426	16	12	2	2	0.05	1.68	0.13	2.96	0.44	0.05	<0.01	0.06
ML 100 W 275 N	40	457	14	14	<1	<1	0.02	0.82	0.05	2.23	0.11	0.07	<0.01	0.09
ML 100 W 300 N	42	1010	17	18	1	1	0.03	1.52	0.11	3.60	0.38	0.09	<0.01	0.09
ML 100 W 325 N	64	380	13	11	1	1	0.04	1.72	0.07	3.47	0.33	0.05	<0.01	0.05
ML 100 W 375 N	54	620	21	21	3	4	0.07	1.53	0.30	3.30	0.54	0.08	<0.01	0.12
ML 100 W 400 N	51	782	23	21	2	4	0.06	1.53	0.25	3.51	0.55	0.09	<0.01	0.11
SR 100 E 425 N	51	701	8	57	3	2	0.05	1.82	0.36	10%	0.41	0.18	<0.01	0.16
SR 100 E 450 N	75	673	12	66	3	4	0.10	2.12	0.59	5.39	0.73	0.38	0.05	0.14
SR 100 E 475 N	74	1071	22	111	2	4	0.05	2.29	0.47	7.73	0.51	0.13	0.01	0.18
SR 100 E 500 N	89	974	12	85	1	2	0.08	2.23	0.40	4.47	0.72	0.18	0.01	0.14
SR 100 E 525 N	80	261	14	121	2	4	0.11	2.90	0.27	4.55	0.77	0.19	<0.01	0.06
SR 100 E 550 N	74	627	19	229	3	4	0.08	2.55	0.63	6.59	0.74	0.32	0.01	0.15
SR 100 E 600 N	60	736	16	54	2	2	0.05	2.61	0.57	7.62	0.63	0.11	<0.01	0.15
SR 100 E 650 N	74	683	19	40	2	4	0.11	2.69	0.43	6.13	1.14	0.27	0.01	0.13
SR 100 E 675 N	57	568	23	56	3	4	0.05	2.29	0.34	7.42	0.65	0.07	<0.01	0.11
SR 100 E 700 N	42	561	13	63	6	3	0.06	2.02	0.43	13%	0.37	0.10	<0.01	0.19
SR 100 E 725 N	65	975	96	82	4	5	0.05	1.79	0.51	5.16	0.72	0.09	<0.01	0.27
SR 200 E 475 N	45	935	16	134	3	2	0.03	2.46	0.49	8.69	0.32	0.05	0.01	0.18
SR 200 E 500 N	51	857	18	153	2	2	0.04	2.31	0.70	7.37	0.48	0.10	0.07	0.21
SR 200 E 575 N	56	314	11	58	4	3	0.07	2.07	0.46	12%	0.41	0.10	<0.01	0.21
SR 200 E 600 N	80	442	15	105	2	4	0.09	3.34	0.29	6.13	0.81	0.20	<0.01	0.14
SR 200 E 625 N	64	1791	14	28	2	3	0.05	2.59	0.24	7.25	0.55	0.09	<0.01	0.20
SR 200 E 650 N	53	1188	27	40	1	3	0.05	1.69	0.60	4.94	0.49	0.10	0.04	0.16
SR 200 E 675 N	59	477	18	38	1	1	0.04	1.74	0.47	5.10	0.50	0.10	0.02	0.13
SR 200 E 725 N	55	536	23	57	2	3	0.05	1.51	0.72	6.03	0.54	0.17	<0.01	0.14
SR 300 E 450 N	77	604	15	36	1	2	0.05	3.30	0.27	4.40	0.70	0.11	0.02	0.21
SR 300 E 475 N	67	844	12	48	1	1	0.04	2.35	0.50	3.25	0.72	0.10	0.03	0.24
SR 300 E 500 N	65	1039	13	72	1	2	0.05	2.33	0.82	4.70	0.68	0.18	0.03	0.27
SR 300 E 525 N	93	702	14	87	2	3	0.09	3.41	0.46	6.19	0.78	0.20	0.03	0.24
SR 300 E 550 N	85	769	19	120	3	6	0.11	3.54	0.37	9.55	0.64	0.30	0.04	0.27
SR 300 E 575 N	74	435	15	205	2	4	0.12	3.10	0.44	5.34	0.73	0.27	0.01	0.12
SR 300 E 600 N	82	543	15	228	2	4	0.12	3.09	0.53	5.79	0.71	0.22	0.03	0.15
SR 300 E 625 N	86	691	20	113	2	6	0.12	3.03	0.36	8.08	0.72	0.24	0.04	0.20
SR 300 E 650 N	66	304	8	42	4	4	0.08	2.42	0.18	12%	0.49	0.14	<0.01	0.22
SR 300 E 675 N	72	287	9	45	4	4	0.11	2.16	0.21	12%	0.60	0.23	<0.01	0.20
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0896

INTERNATIONAL PLASMA LABORATORY LTD
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Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: 90822 Yukon

72 Samples
72=Soil

[089610:18:09:89090298]

Out: Sep 01, 1998
In : Aug 26, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 300 E 700 N	Soil	29	—	0.5	647	43	68	3999	13	<3	3	252	97	14.5	24	47	94	<5	19
SR 400 E 500 N	Soil	54	—	0.2	89	24	108	242	6	<3	1	76	44	6.2	14	31	212	5	22
SR 400 E 525 N	Soil	58	—	0.2	109	28	109	199	8	<3	<1	46	27	6.2	12	30	211	<5	23
SR 400 E 550 N	Soil	50	—	<0.1	62	18	76	132	<5	<3	1	39	23	5.2	10	31	159	<5	24
SR 400 E 575 N	Soil	21	—	<0.1	51	17	108	140	<5	<3	<1	54	22	5.3	11	24	214	<5	22
SR 400 E 600 N	Soil	60	—	<0.1	82	19	96	165	<5	<3	1	47	30	5.6	12	31	184	<5	25
SR 400 E 650 N	Soil	47	—	<0.1	49	16	86	126	<5	<3	1	58	20	4.9	10	24	180	5	22
SR 400 E 675 N	Soil	13	—	<0.1	63	22	111	164	5	<3	2	39	20	5.4	13	27	182	<5	22
SR 400 E 700 N	Soil	70	—	<0.1	158	32	111	274	10	<3	1	57	45	6.7	15	38	214	<5	24
SR 400 E 725 N	Soil	53	—	<0.1	85	25	105	183	7	<3	1	54	30	5.6	12	31	174	<5	22
SR 900 E 400 N	Soil	2	—	<0.1	41	25	56	340	<5	<3	1	25	<2	4.3	7	19	86	<5	24
SR 370 W 375 N	Soil	17	—	0.2	131	20	92	374	<5	<3	1	24	4	4.3	12	24	151	<5	37
SR 370 W 400 N	Soil	12	—	0.1	115	22	94	317	<5	<3	1	36	<2	4.5	12	24	135	<5	38
SR 370 W 425 N	Soil	23	—	0.3	138	23	81	354	<5	<3	1	17	<2	4.4	12	24	183	5	37
JAVA 000 E 750 N	Soil	72	—	0.4	181	13	65	1460	8	<3	1	67	<2	8.0	51	145	1002	<5	143
JAVA 000 E 775 N	Soil	162	—	0.8	669	21	36	1551	<5	<3	<1	83	<2	6.2	12	15	107	<5	19
JAVA 000 E 800 N	Soil	68	—	0.3	129	22	72	1109	<5	<3	2	36	<2	4.7	14	21	167	<5	23
JAVA 100 W 750 N	Soil	149	—	0.3	327	20	80	1362	<5	<3	1	47	<2	6.2	25	42	235	<5	50
JAVA 100 W 775 N	Soil	60	—	<0.1	168	13	82	347	<5	<3	1	36	<2	4.3	12	22	133	<5	22
JAVA 200 W 250 N	Soil	60	—	<0.1	64	14	66	339	<5	<3	1	26	<2	5.3	12	26	125	<5	45
JAVA 200 W 275 N	Soil	13	—	0.1	46	15	60	285	<5	<3	1	22	<2	3.6	10	20	78	<5	22
JAVA 200 W 300 N	Soil	30	—	0.1	37	42	65	299	<5	<3	1	35	<2	4.2	10	23	90	<5	25
JAVA 200 W 325 N	Soil	21	—	0.2	56	38	78	489	<5	<3	2	62	<2	5.2	12	28	126	<5	30
JAVA 200 W 350 N	Soil	20	—	0.4	70	20	73	589	<5	<3	2	46	<2	5.0	14	25	121	<5	32
JAVA 200 W 375 N	Soil	71	—	<0.1	125	14	63	1380	<5	<3	1	58	<2	5.1	17	25	172	<5	38
JAVA 200 W 400 N	Soil	20	—	<0.1	40	14	63	155	<5	<3	1	32	<2	3.9	9	20	72	<5	26
JAVA 300 W 250 N	Soil	26	—	0.1	63	14	65	242	<5	<3	1	44	<2	4.2	13	29	105	<5	27
JAVA 300 W 275 N	Soil	12	—	<0.1	54	18	62	167	<5	<3	1	67	<2	4.6	11	24	74	<5	27
JAVA 300 W 300 N	Soil	41	—	0.2	166	27	62	711	<5	<3	2	59	<2	5.7	13	23	158	<5	36
JAVA 300 W 325 N	Soil	28	—	0.4	26	12	36	136	<5	<3	2	15	<2	3.8	5	11	50	<5	21
JAVA 300 W 350 N	Soil	10	—	<0.1	100	19	68	216	<5	<3	2	29	<2	4.2	15	31	108	<5	30
JAVA 300 W 375 N	Soil	8	—	<0.1	65	15	58	216	<5	<3	1	31	<2	4.3	11	25	84	<5	28
JAVA 300 W 400 N	Soil	11	—	<0.1	149	28	75	563	<5	<3	2	68	<2	5.6	15	31	123	<5	43
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98H0896

Client : Homestake Canada Inc
Project: 90822 Yukon

72 Samples
72=Soil

[089610:18:09:89090298]

Out: Sep 01, 1998
In : Aug 26, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 300 E 700 N	51	419	10	35	3	3	0.05	1.76	0.19	9.67	0.33	0.07	<0.01	0.15
SR 400 E 500 N	37	1676	28	23	2	2	0.03	4.23	0.35	3.78	0.36	0.04	<0.01	0.19
SR 400 E 525 N	41	1129	25	25	2	2	0.04	2.71	0.42	3.85	0.32	0.04	0.01	0.13
SR 400 E 550 N	46	623	23	15	2	2	0.04	2.54	0.23	3.37	0.36	0.04	<0.01	0.08
SR 400 E 575 N	41	1049	15	31	1	1	0.03	2.55	0.52	3.50	0.32	0.04	<0.01	0.13
SR 400 E 600 N	43	953	22	19	2	2	0.04	3.25	0.27	3.59	0.40	0.04	<0.01	0.11
SR 400 E 650 N	42	810	20	18	1	1	0.03	2.60	0.26	3.12	0.33	0.04	<0.01	0.11
SR 400 E 675 N	37	1574	21	18	2	2	0.03	3.43	0.25	3.42	0.37	0.04	<0.01	0.15
SR 400 E 700 N	42	1085	26	24	2	2	0.03	3.21	0.30	4.49	0.34	0.03	<0.01	0.13
SR 400 E 725 N	41	1064	19	19	1	1	0.03	2.42	0.26	3.75	0.32	0.03	<0.01	0.12
SR 900 E 400 N	60	450	14	32	1	2	0.08	2.10	0.49	3.02	0.33	0.09	0.02	0.08
SR 370 W 375 N	53	501	17	47	2	3	0.08	2.80	0.68	2.91	0.99	0.09	0.03	0.11
SR 370 W 400 N	51	474	18	86	2	4	0.10	3.09	1.07	2.88	1.12	0.13	0.09	0.09
SR 370 W 425 N	54	405	21	87	2	5	0.10	2.84	1.12	2.96	1.06	0.11	0.09	0.10
JAVA 000 E 750 N	90	809	27	55	11	6	0.19	2.96	0.64	5.46	3.00	1.04	<0.01	0.10
JAVA 000 E 775 N	25	242	29	58	4	3	0.01	1.22	0.11	4.57	0.30	0.07	<0.01	0.03
JAVA 000 E 800 N	47	556	27	18	2	4	0.06	1.59	0.09	3.38	0.32	0.07	<0.01	0.09
JAVA 100 W 750 N	57	693	36	21	3	5	0.07	2.26	0.16	4.22	0.72	0.12	<0.01	0.09
JAVA 100 W 775 N	43	506	19	12	3	3	0.05	1.34	0.14	2.91	0.35	0.06	<0.01	0.09
JAVA 200 W 250 N	61	391	14	14	2	3	0.07	1.83	0.12	3.87	0.68	0.14	<0.01	0.07
JAVA 200 W 275 N	40	400	14	13	1	2	0.03	1.31	0.14	2.72	0.39	0.04	<0.01	0.06
JAVA 200 W 300 N	44	376	14	14	<1	1	0.03	1.47	0.07	2.97	0.38	0.05	<0.01	0.05
JAVA 200 W 325 N	56	485	16	18	1	2	0.03	1.69	0.09	3.80	0.46	0.08	<0.01	0.07
JAVA 200 W 350 N	56	585	17	15	1	3	0.04	1.89	0.11	3.66	0.54	0.08	<0.01	0.07
JAVA 200 W 375 N	55	569	24	17	1	2	0.03	2.15	0.11	3.70	0.58	0.07	<0.01	0.07
JAVA 200 W 400 N	50	262	12	12	1	2	0.04	1.56	0.09	2.92	0.45	0.05	<0.01	0.04
JAVA 300 W 250 N	47	356	18	14	1	3	0.04	1.60	0.16	3.09	0.48	0.05	<0.01	0.08
JAVA 300 W 275 N	48	337	15	12	<1	2	0.04	1.56	0.11	3.26	0.35	0.05	<0.01	0.06
JAVA 300 W 300 N	56	609	19	14	1	2	0.02	2.06	0.06	4.31	0.46	0.08	<0.01	0.08
JAVA 300 W 325 N	71	170	15	6	<1	1	0.06	0.84	0.04	2.99	0.15	0.03	<0.01	0.03
JAVA 300 W 350 N	42	549	21	13	1	3	0.04	1.40	0.14	3.16	0.47	0.09	<0.01	0.07
JAVA 300 W 375 N	43	473	16	14	1	2	0.04	1.45	0.18	3.03	0.39	0.06	<0.01	0.09
JAVA 300 W 400 N	55	478	25	11	1	4	0.03	2.12	0.07	4.11	0.55	0.10	<0.01	0.05
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0891

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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

22 Samples Out: Aug 31, 1998 In: Aug 26, 1998 [089114:41:30:89090398]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION
B211	22	Rock	crush, split & pulverize

PULP 12M/Dis REJECT 03M/Dis
NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada
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Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0354	FAGrav	g/mt	Ag FA/Grav in g/mt	Silver	0.3	9999.0
04	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
05	0711	ICP	ppm	Cu ICP	Copper	1	20000
06	0714	ICP	ppm	Pb ICP	Lead	2	20000
07	0730	ICP	ppm	Zn ICP	Zinc	1	20000
08	0703	ICP	ppm	As ICP	Arsenic	5	10000
09	0702	ICP	ppm	Sb ICP	Antimony	5	1000
10	0732	ICP	ppm	Hg ICP	Mercury	3	10000
11	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
12	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
13	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
14	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
15	0710	ICP	ppm	Co ICP	Cobalt	1	10000
16	0718	ICP	ppm	Ni ICP	Nickel	1	10000
17	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
18	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
19	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
20	0729	ICP	ppm	V ICP	Vanadium	2	10000
21	0716	ICP	ppm	Mn ICP	Manganese	1	10000
22	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
23	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
24	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
25	0736	ICP	ppm	Sc ICP	Scandium	1	10000
26	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
27	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
28	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
29	0712	ICP	%	Fe ICP	Iron	0.01	10.00
30	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
31	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
32	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
33	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

CERTIFICATE OF ANALYSIS
iPL 98H0891

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Client : Homestake Canada Inc
Project: 90822 Yukon

22 Samples
22=Rock

[089114:41:30:89090398]

Out: Aug 31, 1998
In : Aug 26, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
08900	Rock	<2	—	—	0.3	3	40	27	56	6	<3	3	<10	7	3.8	9	18	363	<5
20151	Rock	38	—	—	0.3	66	20	26	1.1%	28	<3	1	<10	35	3.2	4	12	29	<5
20152	Rock	960	1.00	109.5	0.1m	4250	5906	455	5.0%	0.2%	<3	1	<10	269	21.8	55	27	<2	<5
20153	Rock	120	—	—	0.6	32	139	23	33%	810	<3	7	<10	190	31.6	632	281	<2	<5
22329	Rock	<2	—	—	2.6	2015	33	98	1.7%	28	<3	4	<10	34	17.3	36	29	<2	5
24360	Rock	37	—	—	0.3	61	27	27	2364	11	<3	3	<10	4	2.8	7	9	12	<5
24385	Rock	8	—	—	45.5	994	18485	412	3237	62	<3	6	<10	63	4.2	4	8	19	<5
24386	Rock	47	—	—	16.2	5819	84	155	782	6	<3	2	<10	187	4.4	5	7	18	26
24387	Rock	47	—	—	7.0	2098	90	76	2857	<5	<3	4	<10	10	4.1	16	15	42	0.2%
24388	Rock	1160	1.20	—	3.2	1142	23	52	401	<5	<3	2	<10	96	11.0	8	11	22	938
24389	Rock	3850	3.80	—	3.6	1217	16	68	362	5	<3	1	<10	395	9.4	6	14	13	326
24390	Rock	6000	5.73	—	9.4	4301	16	106	59	11	<3	<1	<10	495	11.1	5	8	19	20
24391	Rock	980	0.97	—	4.4	1907	16	56	84	<5	<3	1	<10	68	5.7	4	12	46	12
24392	Rock	6200	6.33	—	19.5	7897	32	164	146	14	<3	<1	<10	516	10.1	5	24	31	15
24393	Rock	3000	3.17	—	23.0	10373	23	220	737	11	<3	1	<10	268	9.0	9	16	32	5
24394	Rock	2060	2.07	—	11.4	5100	16	123	418	6	<3	1	<10	192	4.7	6	8	38	466
24395	Rock	8800	8.40	—	14.4	3857	18	49	4437	19	<3	1	<10	824	5.3	10	15	6	24
24396	Rock	20	—	—	2.3	717	19	48	6412	24	<3	9	<10	36	5.3	14	13	17	10
24397	Rock	30	—	—	1.7	318	43	23	4.3%	128	<3	4	<10	817	8.7	92	46	<2	9
24398	Rock	18	—	—	1.9	383	24	25	7.7%	216	<3	7	<10	1923	11.1	73	48	<2	<5
24399	Rock	37	—	—	1.1	382	49	31	5.3%	99	<3	18	<10	457	10.3	180	52	<2	<5
24400	Rock	29	—	—	0.6	413	22	46	5692	20	<3	3	<10	18	9.5	24	32	53	<5
Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	9999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0891

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2036 Columbia [illegible]t
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Canada V5Y 3E1
Phone (604) 879-7878
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Client : Homestake Canada Inc
Project: 90822 Yukon

22 Samples
22=Rock

[089114:41:30:89090398]

Out: Aug 31, 1998
In : Aug 26, 1998

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
08900	159	103	304	45	54	23	9	0.20	1.51	3.72	2.65	1.87	0.68	0.02	0.17
20151	80	7	783	13	38	8	1	0.04	0.76	5.84	2.25	0.24	0.02	0.01	0.12
20152	87	12	6385	7	363	4	3	<0.01	0.14	7.55	12%	1.03	0.03	<0.01	0.01
20153	53	17	134	<2	27	6	1	0.01	0.57	0.34	26%	0.56	0.03	<0.01	0.03
22329	38	10	125	6	99	6	<1	0.03	1.14	0.79	12%	0.10	0.04	0.14	0.05
24360	214	11	143	11	28	6	1	0.02	0.61	0.26	1.97	0.31	0.06	0.03	0.05
24385	210	13	1310	6	8	3	3	<0.01	0.39	0.05	2.68	0.01	0.05	<0.01	0.09
24386	56	10	367	17	71	3	2	0.06	1.01	8.28	2.42	0.27	0.06	0.22	0.07
24387	71	10	196	13	59	4	2	0.05	1.34	1.82	3.68	0.17	0.07	0.26	0.07
24388	79	28	1163	14	70	8	4	0.06	1.43	5.98	8.23	0.89	0.03	<0.01	0.07
24389	84	30	1726	5	64	6	3	0.05	1.38	6.67	6.63	0.84	0.04	<0.01	0.07
24390	49	24	832	37	57	5	2	0.06	1.16	5.92	7.51	0.72	0.03	<0.01	0.07
24391	41	20	525	26	133	6	3	0.06	1.36	11%	3.94	0.69	0.07	0.07	0.06
24392	58	23	581	44	57	6	2	0.07	1.16	6.65	6.36	0.69	0.05	0.05	0.08
24393	43	17	380	68	54	4	2	0.08	0.78	5.70	5.54	0.38	0.08	0.07	0.08
24394	51	14	580	40	44	4	2	0.08	0.59	5.91	3.25	0.28	0.05	0.04	0.07
24395	52	9	121	2	78	2	1	0.05	2.51	1.40	3.92	0.13	0.13	0.59	0.06
24396	59	19	342	4	49	9	1	0.07	1.20	1.23	4.18	0.27	0.05	0.19	0.09
24397	31	13	225	6	47	5	1	0.04	1.07	1.03	6.76	0.18	0.04	0.19	0.11
24398	29	13	261	5	48	5	1	0.03	1.23	1.09	8.47	0.22	0.04	0.20	0.08
24399	61	12	417	<2	31	5	1	0.03	0.78	1.88	7.78	0.19	0.02	0.08	0.07
24400	94	61	1056	10	68	10	4	0.14	1.76	2.48	6.96	0.66	0.34	0.10	0.11
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0870

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Phone (604) 879-7878
Fax (604) 879-7898

Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:

10 Samples Out: Aug 25, 1998 In: Aug 21, 1998 [087012:04:17:89082598]

Analysis:
Au(FA/AAS 30g)
Au(FA/Grav 1AT) for Au > 1.0g/mt

Comment:
Re:iPL98H0816

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP 12M/Dis	REJECT 00M/Dis
B311	10	Pulp	Pulp received as it is, no sample prep.		

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0368	FA/AAS	g/mt	Au (FA/AAS 30g) g/mt	Gold	0.01	9999.00
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00

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BC Certified Assayer: David Chiu

CERTIFICATE OF ANALYSIS
iPL 98H0870

INTERNATIONAL PLASMA LABORATORY LTD
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Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: 90822 Yukon

10 Samples
10=Pulp

[087012:04:17:89082598]

Out: Aug 25, 1998
In : Aug 21, 1998

Sample Name		Au g/mt	Au g/mt
19619	P	0.03	—
19620	P	<	—
19621	P	<	—
19622	P	<	—
19623	P	<	—
19624	P	<	—
19625	P	<	—
19626	P	0.05	—
19627	P	<	—
19628	P	0.01	—

Min Limit	0.01	0.07
Max Reported*	9999.00	1000.00
Method	FA/AAS	FAGrav

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

CERTIFICATE OF ANALYSIS
iPL 98H0847

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Phone (604) 879-7878
Fax (604) 879-7898

Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) g/mt ICP(AqR)30

Comment:

24 Samples Out: Aug 20, 1998 In: Aug 17, 1998 [084717:11:01:89082598]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	24	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada
Att: Mike Papageorge Ph:604/684-2345
Fx:604/684-9831
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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BC Certified Assayer: David Chiu

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Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 98H0847

Client : Homestake Canada Inc
Project: 90822 Yukon

24 Samples
24=Rock

[084717:11:01:89082598]

Out: Aug 20, 1998
In : Aug 17, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
24361	Rock	360	—	27.0	11056	27	184	2.2%	40	<3	7	119	35	11.1	52	90	<2	<5	63
24362	Rock	20	—	4.0	1070	17	37	1199	<5	<3	4	21	<2	7.3	9	12	41	9	84
24363	Rock	28m	30.40	5.0	1376	16	25	1.9%	53	<3	5	135	1358	10.4	24	15	<2	<5	56
24364	Rock	1020	1.07	11.2	2250	22	42	5.0%	102	<3	4	174	139	11.7	70	125	<2	62	43
24365	Rock	350	—	9.1	4026	14	85	3.0%	44	<3	80	170	32	12.2	60	47	<2	<5	47
24366	Rock	28	—	3.4	824	19	30	895	<5	<3	2	<10	<2	4.5	7	8	25	<5	54
24367	Rock	40	—	5.9	1698	18	40	2323	<5	<3	8	50	<2	6.6	7	5	14	8	38
24368	Rock	112	—	7.3	3939	17	92	1.1%	18	<3	6	73	5	8.4	47	35	<2	7	51
24369	Rock	42	—	3.3	1452	10	48	1281	<5	<3	2	36	<2	6.8	7	8	14	<5	37
24370	Rock	17	—	4.9	3076	15	96	392	<5	<3	2	<10	<2	5.9	7	10	10	<5	59
24371	Rock	7	—	1.0	1436	24	55	960	5	<3	2	<10	<2	4.8	12	13	24	18	74
24372	Rock	42	—	3.1	2922	29	86	3497	<5	<3	21	148	<2	11.9	24	28	8	9	65
24373	Rock	120	—	10.6	7535	19	146	1.9%	20	<3	41	260	6	22.2	98	76	<2	55	50
24374	Rock	88	—	3.5	2510	19	62	2.4%	31	<3	22	241	3	14.1	99	58	<2	24	53
24375	Rock	12	—	0.7	1184	17	54	752	<5	<3	3	12	<2	2.5	16	18	86	509	153
24376	Rock	162	—	28.0	17308	15	347	1.1%	11	<3	5	160	18	18.4	62	51	8	37	65
24377	Rock	62	—	15.1	9574	13	181	1820	<5	<3	4	155	2	15.5	15	23	20	44	66
24378	Rock	54	—	22.0	12614	15	159	1.1%	11	<3	18	213	6	14.5	45	38	<2	119	57
24379	Rock	107	—	8.2	5905	10	151	9940	8	<3	4	318	<2	20.9	56	47	13	15	35
24380	Rock	138	—	12.7	8494	18	205	6751	5	<3	6	137	<2	16.4	39	42	6	10	63
24381	Rock	2	—	1.8	1430	21	40	912	<5	<3	3	46	<2	8.4	11	14	12	10	79
24382	Rock	46	—	5.1	3307	28	96	2654	<5	<3	3	116	<2	10.7	22	23	13	<5	59
24383	Rock	<2	—	3.1	2372	21	67	1016	<5	<3	5	188	<2	13.2	11	18	12	10	64
24384	Rock	20	—	3.0	2433	25	78	3525	<5	<3	3	168	<2	12.4	17	23	16	<5	76
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98H0847

Client : Homestake Canada Inc
Project: 90822 Yukon

24 Samples
24=Rock

[084717:11:01:89082598]

Out: Aug 20, 1998
In : Aug 17, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
24361	24	131	8	33	9	2	0.04	1.16	0.73	7.54	0.12	0.06	0.13	0.12
24362	67	150	10	44	13	3	0.16	0.97	0.75	5.51	0.14	0.07	0.10	0.14
24363	22	72	3	51	7	1	0.08	0.83	0.62	7.70	0.04	0.08	0.14	0.08
24364	22	72	7	67	7	2	0.06	1.27	0.75	8.25	0.07	0.10	0.12	0.09
24365	25	186	7	26	8	2	0.06	0.86	0.92	8.70	0.10	0.04	0.07	0.12
24366	23	150	6	116	9	2	0.15	1.27	1.33	3.38	0.07	0.09	0.24	0.11
24367	14	142	25	80	7	1	0.07	1.19	1.13	4.84	0.06	0.06	0.21	0.10
24368	15	162	14	42	10	1	0.06	1.02	1.10	5.99	0.07	0.03	0.17	0.12
24369	16	211	6	36	8	2	0.10	1.05	1.08	4.97	0.09	0.04	0.16	0.11
24370	19	297	6	58	12	2	0.18	1.32	1.90	3.94	0.11	0.05	0.29	0.14
24371	25	281	8	44	12	2	0.17	1.20	1.62	3.43	0.11	0.08	0.25	0.14
24372	24	248	7	32	9	2	0.11	1.15	1.00	8.34	0.11	0.04	0.15	0.12
24373	23	206	6	20	8	1	0.08	0.93	0.62	14%	0.10	0.01	0.04	0.11
24374	28	225	15	30	9	1	0.06	0.85	1.01	9.88	0.12	0.04	0.07	0.11
24375	44	231	8	35	8	4	0.04	0.68	1.26	2.18	0.14	0.13	0.03	0.11
24376	21	247	44	29	5	1	0.04	1.08	0.86	11%	0.12	0.02	0.07	0.14
24377	17	240	2	37	5	1	0.05	1.11	0.97	10%	0.10	0.03	0.11	0.08
24378	20	128	<2	35	6	1	0.07	0.92	0.88	9.81	0.07	0.03	0.11	0.14
24379	24	203	5	40	6	1	0.07	0.97	0.94	14%	0.09	0.04	0.09	0.15
24380	20	256	6	38	5	1	0.07	1.02	1.02	11%	0.14	0.03	0.13	0.15
24381	38	176	8	57	12	2	0.22	1.23	1.64	6.25	0.10	0.05	0.25	0.23
24382	33	246	8	71	9	2	0.14	1.42	2.40	7.37	0.13	0.06	0.28	0.23
24383	24	289	4	54	9	2	0.12	1.25	1.47	9.10	0.19	0.04	0.21	0.14
24384	29	390	5	54	9	3	0.13	1.39	1.75	8.62	0.23	0.05	0.22	0.14
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0817

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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:

10 Samples Out: Aug 17, 1998 In: Aug 11, 1998 [081717:45:27:89081798]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	10	Pulp	Pulp received as it is, no sample prep.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analysis:
Whole Rock Analysis

Comment:

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0405	WRock	%	Al203 Whole Rock	Al203	0.01	100.00
02	0408	WRock	%	BaO Whole Rock	BaO	0.01	100.00
03	0406	WRock	%	CaO Whole Rock	CaO	0.01	100.00
04	0409	WRock	%	Fe203 Whole Rock	Fe203	0.01	100.00
05	0403	WRock	%	K20 Whole Rock	K20	0.01	100.00
06	0402	WRock	%	MgO Whole Rock	MgO	0.01	100.00
07	0404	WRock	%	MnO Whole Rock	MnO	0.01	100.00
08	0410	WRock	%	Na20 Whole Rock	Na20	0.01	100.00
09	0411	WRock	%	P205 Whole Rock	P205	0.01	100.00
10	0401	WRock	%	Si02 Whole Rock	Si02	0.01	100.00
11	0407	WRock	%	Ti02 Whole Rock	Ti02	0.01	100.00
12	0417	GeoSp	%	Loss on Ignition @ 2000 F	Loss on Ignition	0.01	100.00
13	0420	WRock	%	Total Whole Rock	Total	0.01	105.00

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BC Certified Assayer: David Chiu

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CERTIFICATE OF ANALYSIS
iPL 98H0817

Client : Homestake Canada Inc
Project: 90822 Yukon

10 Samples
10=Pulp

[081717:45:27:89081798]

Out: Aug 17, 1998
In : Aug 11, 1998

Sample Name	Type	Al2O3 %	BaO %	CaO %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	Total %
19619	Pulp	16.19	0.37	7.30	6.26	6.11	3.69	0.10	2.39	0.38	53.77	0.69	1.34	98.59
19620	Pulp	16.70	0.24	2.46	7.36	7.38	1.62	0.05	3.00	0.26	55.87	0.61	1.94	97.49
19621	Pulp	15.97	0.30	4.28	8.61	7.72	3.19	0.08	2.82	0.34	53.85	0.65	1.96	99.77
19622	Pulp	17.98	0.30	2.66	9.77	7.66	1.86	0.02	3.07	0.20	52.05	0.90	3.32	99.79
19623	Pulp	17.36	0.32	1.64	7.49	8.59	1.81	0.03	3.05	0.38	53.53	0.69	2.52	97.41
19624	Pulp	12.07	0.40	8.11	12.11	6.75	10.05	0.08	1.91	0.50	43.67	0.92	3.20	99.77
19625	Pulp	15.10	0.25	1.47	7.15	7.40	2.06	0.03	3.21	0.26	60.20	0.62	1.41	99.16
19626	Pulp	15.32	0.98	7.49	8.46	7.01	5.65	0.09	1.94	0.37	49.09	0.73	2.33	99.46
19627	Pulp	17.96	0.58	2.93	4.27	6.81	1.62	0.09	3.83	0.26	55.11	0.46	3.13	97.05
19628	Pulp	17.25	0.31	4.34	6.15	7.13	2.63	0.09	2.87	0.21	55.35	0.64	2.41	99.38
Minimum Detection		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	105.00
Method		WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	WRock	GeoSp	WRock

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CERTIFICATE OF ANALYSIS
iPL 98H0816

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Fax (604) 879-7898

Homestake Canada Inc — **10 Samples** — Out: Aug 14, 1998 In: Aug 11, 1998 [081611:47:54:89081498]

Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
ICP(AqR)30

Comment:

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	10	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molydenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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CERTIFICATE OF ANALYSIS
iPL 98H0816

Client : Homestake Canada Inc
Project: 90822 Yukon

10 Samples
10=Rock

[081611:47:54:89081498]

Out: Aug 14, 1998
In : Aug 11, 1998

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19619	R	<	56	42	43	267	<	<	5	<	<	2.1	17	18	51	<	70	22	121	39	171	7	2	0.06	1.41	1.32	1.04	0.13	0.14	0.26	0.15
19620	R	<	33	38	50	32	<	<	6	<	<	3.4	13	8	417	<	66	74	322	61	50	21	6	0.22	1.61	0.92	4.19	0.72	0.60	0.03	0.09
19621	R	<	27	39	58	16	<	<	5	<	<	2.8	14	15	564	14	93	84	325	55	56	23	4	0.28	1.58	1.26	3.72	0.94	0.95	0.04	0.13
19622	R	<	304	24	30	1.2%	32	<	7	<	<	3.9	10	4	52	7	47	100	152	69	70	42	8	0.09	1.38	1.16	5.67	0.82	0.22	<	0.13
19623	R	<	74	25	36	52	<	<	4	<	<	2.8	4	12	57	<	59	48	210	83	43	14	5	0.02	1.61	0.92	4.24	0.78	0.15	0.02	0.11
19624	R	<	173	17	52	301	10	<	4	<	<	4.2	26	80	1269	<	267	146	405	24	84	21	5	0.39	2.97	2.70	5.59	3.04	2.72	0.02	0.21
19625	R	<	39	22	37	146	5	<	5	<	<	3.0	12	12	473	6	78	90	246	41	52	27	7	0.26	1.76	0.57	4.46	0.99	0.71	0.02	0.11
19626	R	<	122	22	19	877	<	<	5	<	<	1.9	15	32	91	6	64	44	142	41	208	10	3	0.08	2.55	1.75	2.65	0.64	0.20	0.27	0.15
19627	R	<	24	17	43	79	<	<	3	<	<	1.6	8	10	100	<	63	38	485	54	49	18	4	0.05	1.24	1.30	2.33	0.59	0.14	0.04	0.08
19628	R	<	69	32	41	294	<	<	3	<	<	1.7	9	10	70	<	64	38	230	40	81	9	2	0.06	1.55	0.67	2.47	0.52	0.17	0.12	0.10
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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CERTIFICATE OF ANALYSIS
iPL 98H0832

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Fax (604) 879-7898

Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:

Analysis:
Au(FA/AAS 30g)

Comment:
Sample reject resplit from iPL98G0770

1 Samples Out: Aug 13, 1998 In: Aug 13, 1998 [083209:59:42:89081398]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B217	1	Reject	Split 250g from reject, pulverize to -150 mesh.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0368	FA/AAS	g/mt	Au (FA/AAS 30g) g/mt	Gold	0.01	9999.00
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00

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Client : Homestake Canada Inc
Project: 90822 Yukon

1 Samples
1=Reject

[083209:59:42:89081398]

Out: Aug 13, 1998
In : Aug 13, 1998

Sample Name	Type	Au g/mt	Au g/mt
24353 (Resplit)	Reject	17.63	16.67
Minimum Detection		0.01	0.07
Maximum Detection		9999.00	1000.00
Method		FA/AAS	FAGrav

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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

60 Samples Out: Aug 08, 1998 In: Jul 31, 1998 [077012:16:44:89080898]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	60	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0354	FAGrav	g/mt	Ag FA/Grav in g/mt	Silver	0.3	9999.0
04	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
05	0711	ICP	ppm	Cu ICP	Copper	1	20000
06	0714	ICP	ppm	Pb ICP	Lead	2	20000
07	0730	ICP	ppm	Zn ICP	Zinc	1	20000
08	0703	ICP	ppm	As ICP	Arsenic	5	10000
09	0702	ICP	ppm	Sb ICP	Antimony	5	1000
10	0732	ICP	ppm	Hg ICP	Mercury	3	10000
11	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
12	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
13	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
14	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
15	0710	ICP	ppm	Co ICP	Cobalt	1	10000
16	0718	ICP	ppm	Ni ICP	Nickel	1	10000
17	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
18	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
19	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
20	0729	ICP	ppm	V ICP	Vanadium	2	10000
21	0716	ICP	ppm	Mn ICP	Manganese	1	10000
22	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
23	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
24	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
25	0736	ICP	ppm	Sc ICP	Scandium	1	10000
26	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
27	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
28	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
29	0712	ICP	%	Fe ICP	Iron	0.01	10.00
30	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
31	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
32	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
33	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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CERTIFICATE OF ANALYSIS
iPL 98G0770

Client : Homestake Canada Inc
Project: 90822 Yukon

60 Samples
60=Rock

[077012:16:44:89080898]

Out: Aug 08, 1998
In : Jul 31, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
19601	Rock	805	—	—	6.4	5865	6	61	2.1%	<5	<3	3	<10	127	2.6	15	8	<2	6
19602	Rock	4200	4.17	—	6.4	1893	11	11	32%	273	<3	4	<10	3427	2.6	116	9	<2	164
19603	Rock	10	—	—	<0.1	51	13	33	704	6	<3	1	<10	3	2.1	5	15	53	<5
19604	Rock	6	—	—	<0.1	75	16	21	1546	12	<3	1	<10	7	0.6	6	12	5	<5
19605	Rock	590	—	—	<0.1	231	37	64	1.2%	18	<3	2	<10	40	1.3	59	65	<2	<5
19606	Rock	24	—	—	1.1	968	51	20	2660	10	<3	1	<10	<2	0.8	22	8	<2	<5
19607	Rock	16	—	—	1.2	1583	19	38	1765	<5	<3	1	<10	<2	2.0	27	42	6	<5
19608	Rock	200	—	—	1.8	980	76	64	2206	29	<3	<1	<10	82	1.4	26	59	<2	<5
19610	Rock	<2	—	—	0.7	437	16	16	80	<5	<3	1	<10	126	4.0	28	56	10	5
19611	Rock	146	—	—	4.8	643	11	34	1.1%	<5	<3	4	<10	19	5.1	24	15	16	222
19612	Rock	645	—	—	3.6	5417	7	79	785	<5	<3	<1	<10	<2	6.4	25	40	12	<5
19613	Rock	18	—	—	1.9	1972	8	82	40	<5	<3	<1	<10	<2	2.9	16	25	25	8
19614	Rock	75	—	—	1.6	1209	39	42	2723	12	<3	2	<10	16	2.7	21	33	11	10
20573	Rock	174	—	—	1.4	1451	45	51	6002	32	<3	<1	<10	50	1.9	43	32	<2	<5
20574	Rock	6	—	—	31.0	13878	9	364	212	<5	<3	1	<10	<2	3.5	5	9	18	6
20575	Rock	11m	11.70	—	17.4	6899	9	43	3.7%	79	<3	4	<10	819	1.3	143	233	<2	<5
20576	Rock	1210	1.21	—	6.0	493	872	8	24%	0.2%	<3	8	<10	160	2.7	1120	108	<2	5
20577	Rock	18	—	—	1.4	413	<2	18	956	5	<3	2	<10	<2	3.9	39	47	44	<5
20578	Rock	138	—	—	<0.1	80	19	16	2.2%	33	<3	1	<10	38	1.2	13	16	40	<5
20579	Rock	730	—	—	1.3	77	74	<1	23%	269	<3	3	<10	2221	1.6	22	11	<2	<5
20580	Rock	530	—	—	0.9	35	57	<1	27%	366	<3	5	<10	3592	0.9	12	2	<2	<5
20581	Rock	1900	1.80	—	23.0	12126	12	253	2514	8	<3	1	<10	187	2.4	6	18	7	<5
20582	Rock	36m	35.80	—	10.2	664	<2	9	3.4%	116	<3	2	<10	6407	1.1	61	39	<2	46
20583	Rock	10	—	—	5.8	916	393	347	1.1%	55	<3	2	<10	25	7.2	23	14	23	<5
20584	Rock	170	—	—	15.5	1823	1246	739	5.0%	298	<3	<1	<10	95	13.7	63	21	<2	<5
20585	Rock	45m	44.53	—	11.3	3203	71	69	30%	579	<3	17	<10	3047	3.8	1610	741	<2	49
20586	Rock	6000	6.00	—	2.7	68	8	4	39%	245	<3	2	<10	2493	2.2	83	21	<2	<5
22310	Rock	20	—	—	<0.1	81	16	<1	1013	<5	<3	1	<10	4	0.4	9	15	8	<5
22311	Rock	30	—	—	<0.1	62	<2	<1	3379	8	<3	1	<10	25	0.2	5	10	20	<5
22316	Rock	20	—	—	1.4	741	9	28	528	<5	<3	2	<10	<2	1.1	4	4	14	<5
22318	Rock	36	—	—	2.7	2834	13	45	153	<5	<3	2	<10	<2	1.6	26	31	14	8
22319	Rock	38	—	—	2.9	2875	14	62	1624	<5	<3	6	<10	<2	1.6	13	15	33	<5
22320	Rock	90	—	—	0.3	312	19	22	150	5	<3	1	<10	65	1.0	3	9	4	<5
22321	Rock	<2	—	—	0.5	1225	16	39	93	<5	<3	1	<10	<2	1.6	13	31	<2	<5
22322	Rock	<2	—	—	0.7	893	61	37	350	<5	<3	<1	<10	<2	2.0	16	27	8	<5
22323	Rock	13	—	—	0.7	992	23	29	1768	6	<3	2	<10	<2	1.6	38	35	<2	<5
24336	Rock	58	—	—	<0.1	184	22	25	1625	<5	<3	2	<10	<2	1.5	22	30	57	<5
24337	Rock	76	—	—	<0.1	50	24	18	1425	7	<3	2	<10	<2	0.7	14	27	64	<5
24338	Rock	10	—	—	<0.1	80	10	4	1699	<5	<3	<1	<10	<2	0.6	4	12	23	<5
Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	9999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0770

Client : Homestake Canada Inc
Project: 90822 Yukon

60 Samples
60=Rock

[077012:16:44:89080898]

Out: Aug 08, 1998
In : Jul 31, 1998

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19601	42	11	82	31	2	6	<1	0.01	0.10	0.20	20%	0.03	<0.01	<0.01	0.02
19602	41	8	25	3	3	6	<1	0.01	0.14	0.02	24%	0.01	0.02	<0.01	0.03
19603	74	2	629	3	28	2	<1	0.02	0.35	6.77	2.67	0.13	0.08	0.02	0.05
19604	45	5	151	27	93	3	<1	0.09	1.94	2.48	1.36	0.05	0.08	0.74	0.07
19605	30	5	222	36	60	2	<1	0.05	1.04	1.76	2.31	0.09	0.07	0.26	0.09
19606	31	8	128	5	50	2	<1	0.08	1.14	1.20	5.20	0.06	0.04	0.31	0.08
19607	30	9	190	7	28	7	<1	0.06	0.66	1.69	10%	0.09	0.01	0.08	0.08
19608	52	7	610	12	15	4	1	0.06	0.63	2.23	7.28	0.12	<0.01	<0.01	0.09
19610	32	9	91	11	140	6	<1	0.03	2.58	1.86	18%	0.08	<0.01	<0.01	0.08
19611	65	105	234	29	21	9	6	0.06	1.67	0.87	21%	0.52	0.09	<0.01	0.40
19612	11	14	100	6	29	8	<1	0.01	1.43	0.89	22%	0.04	<0.01	<0.01	0.01
19613	39	43	508	<2	18	12	1	0.04	1.55	1.56	15%	0.19	0.30	0.03	0.04
19614	64	11	477	15	77	6	1	0.03	0.95	2.46	12%	0.46	0.02	0.05	0.06
20573	37	10	196	35	51	4	<1	0.07	1.07	1.87	8.30	0.06	0.03	0.30	0.08
20574	51	5	349	9	77	2	<1	0.03	2.87	2.85	5.09	0.09	0.15	0.87	0.01
20575	39	11	127	3	58	12	1	0.05	0.64	0.86	6.57	0.06	0.03	0.11	0.07
20576	21	8	42	<2	6	16	<1	<0.01	0.10	0.04	22%	0.01	0.01	<0.01	0.04
20577	45	11	1716	6	396	7	1	<0.01	0.21	9.99	12%	2.91	0.05	<0.01	0.05
20578	91	6	268	14	45	4	1	0.03	0.85	1.40	3.46	0.16	0.03	0.08	0.08
20579	107	2	42	<2	4	3	<1	<0.01	0.07	0.09	15%	0.02	<0.01	<0.01	<0.01
20580	107	2	39	<2	3	3	<1	<0.01	0.05	0.04	18%	0.02	<0.01	<0.01	<0.01
20581	52	9	279	21	37	6	1	0.05	0.98	2.27	4.42	0.04	0.04	0.19	0.07
20582	33	17	84	27	29	6	1	0.03	0.53	0.60	7.76	0.05	0.04	0.07	0.08
20583	69	38	1163	14	425	40	2	0.06	0.59	2.43	19%	0.83	0.07	<0.01	0.09
20584	49	24	2847	<2	1062	15	3	<0.01	0.19	3.00	23%	1.05	0.05	<0.01	0.03
20585	22	16	161	2	32	6	1	<0.01	0.41	0.31	22%	0.05	<0.01	<0.01	0.01
20586	48	7	52	6	9	5	<1	<0.01	0.09	0.06	26%	0.02	<0.01	<0.01	<0.01
22310	271	2	44	7	12	2	1	<0.01	0.31	0.06	1.38	0.02	0.07	<0.01	0.01
22311	251	<2	42	13	5	2	<1	<0.01	0.47	0.05	1.03	0.03	0.07	<0.01	0.01
22316	58	34	364	9	23	9	2	0.11	0.61	2.27	6.09	0.05	0.03	0.05	0.01
22318	48	14	97	<2	26	9	1	0.07	0.74	0.78	13%	0.12	0.02	0.12	0.07
22319	64	22	366	2	77	7	1	0.10	2.01	2.37	8.05	0.22	0.07	0.48	0.12
22320	49	9	456	49	58	4	<1	0.08	1.01	4.68	2.28	0.08	0.05	0.33	0.13
22321	65	12	330	17	52	10	<1	0.09	1.00	3.28	8.26	0.08	0.03	0.25	0.10
22322	39	9	192	8	51	12	<1	0.07	1.23	1.46	10%	0.10	0.04	0.29	0.07
22323	31	6	254	17	64	3	<1	0.05	1.36	3.28	7.61	0.09	0.02	0.26	0.07
24336	75	33	158	37	203	11	2	0.09	2.57	1.95	2.29	0.54	0.12	0.38	0.16
24337	62	34	167	29	256	11	2	0.09	3.02	2.13	1.94	0.54	0.17	0.39	0.15
24338	183	8	70	9	13	6	1	0.01	0.67	0.16	1.75	0.31	0.11	0.02	0.03
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 98G0770

2036 Columbia Street
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Client : Homestake Canada Inc
Project: 90822 Yukon

60 Samples
60=Rock

[077012:16:44:89080898]

Out: Aug 08, 1998
In : Jul 31, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
24339	Rock	72	—	—	<0.1	38	7	5	2783	5	<3	2	<10	<2	0.3	10	11	15	<5
24340	Rock	800	—	—	4.9	851	17	15	1.8%	16	<3	1	<10	19	1.1	21	14	26	<5
24341	Rock	12m	12.60	—	12.4	3442	34	70	14%	57	<3	3	<10	424	2.1	227	67	<2	<5
24342	Rock	10	—	—	1.6	1170	17	47	6947	<5	<3	2	<10	8	<0.1	63	18	8	0.1%
24343	Rock	22	—	—	2.3	1007	11	33	5358	12	<3	11	<10	<2	1.4	44	29	21	73
24344	Rock	20	—	—	5.8	2608	18	69	414	6	<3	2	<10	<2	1.6	5	11	21	<5
24345	Rock	48	—	—	2.6	1203	40	41	407	7	<3	<1	<10	38	1.3	4	10	36	<5
24346	Rock	2	—	—	2.8	1618	8	40	111	<5	<3	<1	<10	<2	0.9	2	7	18	<5
24347	Rock	104	—	—	22.5	7940	16	174	387	<5	<3	1	<10	8	2.3	4	8	52	418
24348	Rock	72	—	—	7.1	2690	13	66	1611	<5	<3	1	<10	5	1.8	9	14	32	26
24349	Rock	126	—	—	2.8	1043	14	27	1124	<5	<3	3	<10	3	0.5	4	5	26	21
24350	Rock	10	—	—	5.5	4396	35	112	2321	<5	<3	57	<10	<2	3.2	33	35	11	10
24351	Rock	404	—	—	2.6	1564	16	74	1.4%	26	<3	2	<10	26	1.7	52	34	<2	<5
24352	Rock	391m	387.50	130.0	97.4	3003	<2	20	4925	549	<3	<1	<10	4.8%	0.2	16	5	<2	<5
24353	Rock	19m	20.00	—	4.6	1039	8	42	1.3%	58	<3	2	<10	2930	1.0	68	29	39	<5
24354	Rock	354	—	—	<0.1	45	24	25	2.2%	29	<3	2	<10	73	1.0	59	39	28	<5
24356	Rock	898	—	—	6.4	2805	393	261	25%	915	<3	4	<10	509	6.0	382	61	<2	0.2%
24357	Rock	740	—	102.2	0.1m	2.8%	28	354	4.4%	96	<3	4	<10	451	4.0	265	36	<2	261
24358	Rock	4370	4.35	—	4.8	1419	87	36	20%	395	<3	11	<10	390	1.5	722	171	<2	99
24359	Rock	680	—	—	0.4	185	25	14	12%	248	<3	5	<10	53	1.7	401	70	<2	13
No Name	Rock	8	—	106.5	0.1m	5614	8881	2689	1456	241	<3	3	<10	102	39.8	47	44	9	13
Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	9999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICA[illegible] OF ANALYSIS
iPL 98G0770

Client : Homestake Canada Inc
Project: 90822 Yukon

60 Samples
60=Rock

[077012:16:44:89080898]

Out: Aug 08, 1998
In : Jul 31, 1998

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
24339	229	3	51	12	6	4	<1	0.01	0.36	0.10	1.01	0.14	0.09	0.02	0.02
24340	189	8	63	12	19	3	1	0.01	0.83	0.43	2.42	0.13	0.11	0.05	0.01
24341	91	25	86	42	107	7	4	0.02	2.15	1.47	11%	0.21	0.14	0.05	0.04
24342	70	5	413	2	57	4	1	0.05	0.73	4.82	1.60	0.12	0.01	0.04	0.05
24343	97	21	484	8	48	7	1	0.10	1.00	3.43	2.70	0.41	0.09	0.18	0.08
24344	35	10	396	28	120	3	1	0.05	1.38	3.56	3.54	0.18	0.05	0.34	0.13
24345	35	8	372	30	77	3	1	0.06	1.47	3.83	3.06	0.09	0.07	0.42	0.11
24346	28	6	320	8	73	4	<1	0.06	1.20	5.89	1.13	0.05	0.06	0.46	0.11
24347	42	8	394	26	62	6	1	0.06	0.96	4.95	2.73	0.16	0.05	0.14	0.10
24348	31	9	351	87	97	3	1	0.05	1.69	2.53	2.78	0.09	0.04	0.16	0.13
24349	56	19	147	8	51	6	1	0.13	1.16	1.54	4.43	0.08	0.07	0.24	0.11
24350	88	12	417	<2	23	7	<1	0.10	0.41	1.64	17%	0.07	<0.01	<0.01	0.04
24351	37	5	279	44	65	2	<1	0.04	1.46	2.07	2.75	0.08	0.05	0.40	0.07
24352	15	13	175	110	5	1	1	<0.01	0.12	0.52	3.41	0.05	<0.01	<0.01	0.03
24353	46	21	443	78	72	5	2	0.09	1.23	1.37	3.59	0.09	0.02	0.11	0.10
24354	102	37	241	54	151	12	6	0.02	1.39	2.33	3.85	1.43	0.42	0.03	0.11
24356	35	12	33	<2	9	11	<1	<0.01	0.09	0.20	32%	0.05	<0.01	<0.01	0.03
24357	55	20	124	13	10	9	3	0.02	0.45	0.69	13%	0.20	0.05	<0.01	0.08
24358	37	14	138	5	25	5	1	0.01	0.92	0.98	18%	0.36	0.01	0.07	0.05
24359	60	5	113	6	43	5	<1	0.02	0.83	2.44	7.78	0.13	0.03	0.36	0.07
No Name	54	25	9797	<2	22	9	<1	<0.01	0.16	0.44	24%	0.72	<0.01	<0.01	0.01
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98G0771

INTERNATIONAL PLASMA LABORATORY LTD
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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

53 Samples Out: Aug 06, 1998 In: Jul 31, 1998 [077115:08:02:89080798]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B110	53	Soil	Dry & sift to -200 Mesh	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Canada					
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	Fx:604/684-9831				
	Em:yukonexp@homestake.com				

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

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Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 98G0771

Client : Homestake Canada Inc
Project: 90822 Yukon

53 Samples
53=Soil

[077114:44:47:89080798]

Out: Aug 06, 1998
In : Jul 31, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
22312	Soil	66	—	0.6	703	32	49	2208	<5	<3	4	<10	<2	1.1	58	38	210	<5	29
22313	Soil	248	—	1.1	756	30	58	4795	6	<3	4	<10	<2	1.1	73	35	289	<5	31
22314	Soil	118	—	0.8	342	33	37	2327	8	<3	2	<10	<2	0.5	29	37	199	<5	24
22315	Soil	126	—	0.3	384	34	64	2133	12	<3	4	<10	<2	1.1	35	43	165	<5	37
22317	Soil	3300	3.05	9.2	653	69	27	926	<5	<3	4	<10	40	1.0	13	21	55	583	12
24355	Soil	7	—	0.3	54	53	95	79	<5	<3	2	<10	<2	1.0	22	40	155	26	16
SR BL 3+50N	Soil	6	—	<0.1	88	29	68	418	<5	<3	2	<10	<2	1.0	13	22	167	18	30
SR BL 4+00N	Soil	25	—	0.6	190	253	138	586	13	<3	1	<10	<2	1.0	19	41	247	11	37
SR BL 10+65N	Soil	210	—	3.9	2313	60	144	3138	15	<3	1	<10	109	1.9	28	58	177	116	19
SR BL 11+75N	Soil	<2	—	4.0	2047	74	155	4302	25	<3	2	<10	185	2.6	56	74	151	141	25
SR 1+00E 6+25N	Soil	90	—	0.9	667	34	36	1054	<5	<3	5	<10	<2	1.9	16	30	121	62	18
SR 1+00E 11+50N	Soil	770	—	1.9	1480	46	109	1889	10	<3	1	<10	88	1.5	25	55	113	175	22
SR 1+00E 11+75N	Soil	310	—	8.8	3811	58	124	2523	24	<3	1	<10	110	2.3	25	41	94	161	16
SR 1+00E 12+25N	Soil	860	—	3.1	2677	59	117	3115	12	<3	1	<10	157	1.5	19	51	107	53	20
SR 1+00E 12+50N	Soil	1460	1.90	4.4	3078	54	143	3095	12	<3	2	<10	166	1.4	33	60	132	240	22
SR 1+00E 12+75N	Soil	1300	1.60	3.5	1977	37	113	2514	10	<3	1	<10	107	1.2	32	56	117	283	22
SR 3+00E 4+25N	Soil	8	—	<0.1	167	26	76	527	<5	<3	3	<10	10	1.2	15	23	279	14	32
SR 3+00E 5+75N	Soil	10	—	<0.1	113	25	49	449	7	<3	3	<10	<2	0.7	12	21	251	<5	37
SR 3+00E 6+00N	Soil	3	—	<0.1	178	22	52	815	7	<3	3	<10	<2	1.0	22	34	230	<5	26
SR 3+00E 6+50N	Soil	16	—	0.2	609	61	103	1637	26	<3	5	<10	31	1.9	37	69	157	5	26
SR 3+00E 7+50N	Soil	48	—	0.4	585	75	86	1641	11	<3	2	<10	21	1.2	31	58	200	<5	27
SR 3+00E 9+00N	Soil	78	—	0.8	1169	45	116	1745	20	<3	2	<10	<2	1.7	17	35	102	5	19
SR 3+00E 13+00N	Soil	29	—	0.4	352	36	46	618	<5	<3	13	89	<2	2.3	16	26	129	<5	29
SR 9+00E 2+00N	Soil	8	—	<0.1	103	35	103	494	<5	<3	3	<10	<2	2.2	14	27	85	<5	28
SR 9+00E 2+25N	Soil	7	—	<0.1	41	34	164	258	<5	<3	2	<10	<2	1.9	15	37	121	<5	28
SR 9+00E 2+50N	Soil	50	—	<0.1	349	40	96	3490	<5	<3	2	<10	11	1.2	17	31	178	<5	31
SR 9+00E 2+75N	Soil	42	—	0.1	479	45	109	2954	7	<3	3	<10	18	1.3	14	40	202	<5	36
SR 9+00E 3+00N	Soil	28	—	<0.1	171	28	72	1417	<5	<3	2	<10	2	1.5	12	25	162	<5	24
SR 9+00E 3+25N	Soil	47	—	<0.1	37	19	78	261	<5	<3	1	<10	<2	1.4	10	22	120	<5	27
SR 9+00E 3+75N	Soil	70	—	<0.1	52	32	63	375	<5	<3	1	<10	3	1.4	8	18	102	5	23
SR 0+50W 12+00N	Soil	230	—	5.0	3255	39	133	2644	12	<3	4	<10	104	1.4	31	55	187	407	24
SR 1+00W 8+25N	Soil	336	—	2.2	1941	42	103	3489	<5	<3	3	<10	13	1.7	38	58	99	71	23
SR 1+00W 10+00N	Soil	518	—	2.4	1178	89	105	1.8%	21	<3	3	<10	292	2.1	190	91	360	59	21
SR 1+00W 11+00N	Soil	1410	1.40	2.7	814	76	112	2.3%	25	<3	2	<10	1062	2.4	187	63	309	79	20
SR 1+00W 11+25N	Soil	1950	1.80	2.8	1192	89	149	2.1%	29	<3	1	<10	982	2.7	202	76	305	234	20
SR 1+00W 11+85N	Soil	20	—	<0.1	414	53	85	3265	8	<3	3	<10	73	1.2	43	47	218	18	26
SR 1+00W 13+00N	Soil	18	—	0.3	232	38	60	694	13	<3	1	<10	21	1.7	19	50	207	30	32
SR 2+00W 9+75N	Soil	36	—	0.3	298	32	63	561	6	<3	3	<10	<2	1.2	27	40	248	23	42
SR 2+00W 10+50N	Soil	<2	—	<0.1	28	44	74	106	<5	<3	2	<10	<2	1.7	15	23	184	<5	32
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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iPL 98G0771

Client : Homestake Canada Inc
Project: 90822 Yukon

53 Samples
53=Soil

[077114:44:47:89080798]

Out: Aug 06, 1998
In : Jul 31, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
22312	47	1146	45	23	2	9	0.02	1.81	0.14	4.60	0.50	0.32	<0.01	0.07
22313	53	1208	51	29	3	11	0.02	2.03	0.18	5.37	0.55	0.37	<0.01	0.07
22314	35	395	56	22	1	7	0.01	1.81	0.06	4.09	0.25	0.24	<0.01	0.08
22315	45	789	24	32	3	4	0.05	1.54	0.10	7.56	0.46	0.23	<0.01	0.14
22317	30	167	8	28	8	2	0.12	0.81	0.33	9.18	0.16	0.05	<0.01	0.09
24355	28	3191	44	32	2	7	<0.01	0.99	0.57	6.22	0.19	0.08	<0.01	0.05
SR BL 3+50N	87	421	13	21	4	4	0.18	2.82	0.20	3.77	0.56	0.14	<0.01	0.08
SR BL 4+00N	73	448	23	68	2	5	0.09	2.43	0.28	4.18	0.77	0.21	<0.01	0.07
SR BL 10+65N	38	766	49	40	2	2	0.05	1.46	1.00	5.90	0.36	0.07	0.01	0.16
SR BL 11+75N	38	1136	60	38	3	3	0.03	1.52	0.99	7.19	0.43	0.04	<0.01	0.18
SR 1+00E 6+25N	52	329	7	38	5	3	0.11	1.93	0.32	11%	0.40	0.15	<0.01	0.18
SR 1+00E 11+50N	39	564	26	29	2	2	0.04	1.61	0.47	4.80	0.33	0.05	<0.01	0.10
SR 1+00E 11+75N	21	838	26	52	2	2	0.03	1.69	0.97	6.84	0.14	0.06	0.05	0.13
SR 1+00E 12+25N	30	409	25	34	1	1	0.03	2.13	0.76	3.76	0.30	0.05	0.02	0.14
SR 1+00E 12+50N	40	517	29	37	1	2	0.04	1.59	0.72	4.28	0.33	0.05	0.01	0.14
SR 1+00E 12+75N	41	507	32	35	1	2	0.04	1.28	0.65	4.18	0.31	0.04	0.01	0.13
SR 3+00E 4+25N	81	883	10	60	1	1	0.05	2.00	0.50	3.51	0.56	0.09	0.01	0.19
SR 3+00E 5+75N	80	461	14	98	2	4	0.14	2.65	0.27	4.19	0.67	0.24	<0.01	0.13
SR 3+00E 6+00N	56	529	10	193	1	3	0.08	2.41	0.81	4.08	0.57	0.21	0.04	0.12
SR 3+00E 6+50N	72	584	17	72	2	3	0.08	2.24	0.48	7.63	0.54	0.16	0.04	0.21
SR 3+00E 7+50N	60	582	15	43	1	2	0.07	2.24	0.29	4.92	0.61	0.13	<0.01	0.10
SR 3+00E 9+00N	31	631	43	25	1	2	0.03	1.52	0.51	7.08	0.25	0.04	<0.01	0.15
SR 3+00E 13+00N	85	344	37	146	13	6	0.12	3.72	0.12	12%	0.84	0.68	0.12	0.36
SR 9+00E 2+00N	51	626	13	16	1	2	0.05	2.70	0.18	2.93	0.34	0.05	<0.01	0.09
SR 9+00E 2+25N	45	511	12	18	2	3	0.05	3.07	0.23	2.83	0.46	0.05	<0.01	0.08
SR 9+00E 2+50N	54	632	25	36	1	3	0.07	2.14	0.37	3.45	0.58	0.08	<0.01	0.09
SR 9+00E 2+75N	63	322	25	35	2	4	0.09	2.44	0.41	3.66	0.68	0.13	<0.01	0.09
SR 9+00E 3+00N	44	366	26	36	2	4	0.07	1.37	0.46	2.60	0.47	0.09	<0.01	0.10
SR 9+00E 3+25N	52	345	12	14	1	2	0.05	1.97	0.15	2.91	0.44	0.04	<0.01	0.05
SR 9+00E 3+75N	46	350	8	21	1	1	0.05	1.43	0.28	2.67	0.34	0.05	<0.01	0.07
SR 0+50W 12+00N	51	482	30	63	4	3	0.05	1.46	0.58	4.34	0.36	0.30	0.05	0.13
SR 1+00W 8+25N	53	1163	38	53	2	4	0.05	1.97	0.46	8.33	0.39	0.07	<0.01	0.15
SR 1+00W 10+00N	46	814	23	53	2	3	0.05	1.79	0.71	6.56	0.49	0.09	0.01	0.15
SR 1+00W 11+00N	47	448	24	54	2	2	0.05	1.97	0.57	7.08	0.52	0.10	<0.01	0.12
SR 1+00W 11+25N	48	476	27	62	3	2	0.05	1.69	0.77	7.89	0.46	0.11	<0.01	0.13
SR 1+00W 11+85N	72	431	22	33	2	2	0.09	2.60	0.31	4.86	0.83	0.13	<0.01	0.11
SR 1+00W 13+00N	36	345	28	74	7	4	0.11	2.32	0.81	2.76	0.55	0.70	0.13	0.09
SR 2+00W 9+75N	127	463	18	79	4	4	0.13	2.36	0.99	4.52	0.91	0.39	0.09	0.18
SR 2+00W 10+50N	35	869	22	104	3	2	0.06	3.72	1.94	1.92	0.64	0.09	0.15	0.14
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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[077114:44:47:89080798]

Out: Aug 06, 1998
In : Jul 31, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 2+00W 11+00N	Soil	4	—	<0.1	72	40	76	104	<5	<3	1	<10	<2	1.7	18	30	166	<5	33
SR 2+00W 11+50N	Soil	10	—	<0.1	198	45	80	124	<5	<3	1	<10	<2	1.5	25	64	168	6	33
SR 2+00W 11+75N	Soil	12	—	<0.1	78	36	83	167	<5	<3	2	<10	<2	1.7	19	35	144	<5	40
SR 2+00W 12+25N	Soil	<2	—	<0.1	46	37	86	123	<5	<3	1	<10	<2	1.8	15	29	163	<5	43
SR 2+00W 12+50N	Soil	16	—	<0.1	51	25	60	109	<5	<3	<1	<10	<2	1.3	11	22	139	<5	29
SR 2+00W 12+75N	Soil	<2	—	<0.1	42	30	75	117	<5	<3	1	<10	<2	1.9	15	30	179	<5	42
SR 2+00W 13+25N	Soil	<2	—	<0.1	37	21	77	126	<5	<3	<1	<10	<2	1.8	16	31	182	<5	51
SR 2+00W 13+50N	Soil	8	—	<0.1	32	19	68	100	<5	<3	2	<10	<2	1.6	13	28	162	<5	44
SR 2+00W 13+75N	Soil	6	—	<0.1	26	15	62	92	<5	<3	<1	<10	<2	1.7	13	24	173	<5	44
SR 3+00W 11+50N	Soil	2	—	<0.1	46	16	69	79	<5	<3	1	<10	<2	1.3	18	33	180	<5	44
SR 3+00W 13+75N	Soil	350	—	0.3	87	20	187	75	<5	<3	6	<10	<2	1.5	20	59	139	<5	39
SR 3+00W 14+00N	Soil	8	—	0.3	102	30	149	112	<5	<3	8	<10	<2	1.2	14	39	267	<5	37
SR 3+00W 14+25N	Soil	8	—	<0.1	113	17	60	75	<5	<3	6	<10	<2	1.4	7	26	135	7	23
SR 3+00W 14+50N	Soil	68	—	<0.1	334	21	277	439	<5	<3	3	<10	<2	2.0	47	107	165	9	38
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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53=Soil

[077114:44:47:89080798]

Out: Aug 06, 1998
In : Jul 31, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 2+00W 11+00N	37	778	20	100	2	2	0.06	3.15	2.10	2.32	0.70	0.10	0.14	0.12
SR 2+00W 11+50N	48	495	20	66	3	3	0.08	2.96	0.71	3.92	0.70	0.10	0.06	0.07
SR 2+00W 11+75N	42	589	18	99	3	3	0.08	3.17	2.29	2.75	0.96	0.10	0.10	0.10
SR 2+00W 12+25N	46	600	21	134	3	4	0.10	3.70	2.42	2.72	1.04	0.18	0.22	0.08
SR 2+00W 12+50N	29	397	10	127	4	2	0.06	2.33	3.09	1.87	0.77	0.13	0.16	0.09
SR 2+00W 12+75N	44	526	20	216	4	5	0.12	3.87	2.64	2.66	1.11	0.31	0.37	0.11
SR 2+00W 13+25N	52	547	15	279	5	5	0.14	4.71	4.22	2.93	1.50	0.33	0.47	0.08
SR 2+00W 13+50N	46	503	11	206	4	4	0.11	3.95	3.08	2.58	1.24	0.19	0.35	0.06
SR 2+00W 13+75N	45	483	11	325	4	5	0.11	4.60	3.81	2.48	1.43	0.41	0.57	0.08
SR 3+00W 11+50N	59	709	14	133	4	4	0.10	3.71	1.50	3.21	1.20	0.21	0.19	0.08
SR 3+00W 13+75N	62	514	11	163	5	3	0.07	3.15	1.32	3.34	1.23	0.20	0.16	0.14
SR 3+00W 14+00N	84	429	24	140	3	3	0.06	2.55	0.39	4.07	0.70	0.32	0.08	0.18
SR 3+00W 14+25N	46	122	14	66	1	<1	0.02	1.51	0.18	2.71	0.27	0.12	0.01	0.15
SR 3+00W 14+50N	64	814	16	106	3	3	0.06	2.83	1.36	3.90	1.22	0.18	0.06	0.15
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98G0735

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Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

84 Samples Out: Jul 29, 1998 In: Jul 23, 1998 [073510:59:47:89080598]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	84	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Document Distribution

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Att: Mike Papageorge Ph:604/684-2345
Fx:604/684-9831
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3½ Disk
DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C0343040619
* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

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CERTIFICATE OF ANALYSIS
iPL 98G0735

Client : Homestake Canada Inc
Project: 90822 Yukon

84 Samples
84=Rock

[073510:51:02:89080598]

Out: Jul 29, 1998
In : Jul 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
19545	Rock	183	—	1.2	1234	45	60	1160	11	<3	5	<10	45	1.7	19	32	8	<5	27
19546	Rock	<2	—	0.2	90	7	33	2200	11	<3	3	<10	2	1.4	5	11	8	<5	53
19547	Rock	3	—	0.2	40	2	31	623	6	<3	2	<10	<2	0.8	3	6	11	<5	62
19548	Rock	3	—	0.4	11	117	65	762	6	<3	9	<10	<2	1.3	4	6	2	<5	95
19549	Rock	177	—	0.5	656	24	48	195	<5	<3	3	<10	12	0.7	4	7	9	<5	81
19550	Rock	4	—	0.3	168	10	52	464	5	<3	1	<10	<2	1.2	2	7	9	<5	145
19551	Rock	130	—	0.5	448	4	31	1128	<5	<3	3	<10	68	0.3	4	5	6	<5	120
19552	Rock	522	—	1.6	2152	<2	45	5.6%	25	<3	3	<10	311	0.2	70	13	<2	<5	82
19553	Rock	450	—	5.8	6458	3	205	6.9%	24	<3	2	<10	441	2.3	54	24	<2	7	61
19554	Rock	560	—	1.2	1073	6	54	1.4%	8	<3	2	<10	193	0.7	21	16	<2	<5	80
19555	Rock	15	—	0.4	503	<2	35	4648	6	<3	2	<10	18	0.5	11	5	7	<5	43
19556	Rock	20	—	0.2	200	<2	23	2239	7	<3	1	<10	13	0.3	4	8	28	<5	205
19557	Rock	2	—	0.1	99	<2	29	780	<5	<3	1	<10	2	0.3	3	5	27	<5	149
19558	Rock	6	—	1.4	2993	<2	69	1498	<5	<3	2	<10	<2	0.6	15	20	15	<5	63
19559	Rock	12	—	1.4	2771	<2	92	3847	<5	<3	1	<10	42	1.6	27	19	10	<5	40
19560	Rock	12	—	0.7	1110	7	75	3621	<5	<3	1	<10	29	1.0	20	13	11	<5	50
19561	Rock	9	—	0.9	1215	12	90	672	<5	<3	4	<10	11	2.0	16	11	23	8	51
19562	Rock	21	—	1.4	2155	<2	113	6482	<5	<3	1	<10	57	2.3	35	16	15	<5	43
19563	Rock	<2	—	0.3	268	30	59	1000	<5	<3	3	<10	7	1.3	10	18	24	<5	150
19564	Rock	90	—	1.4	2419	<2	83	5944	<5	<3	4	<10	123	1.5	28	12	8	<5	85
19565	Rock	9	—	1.3	2758	<2	59	275	<5	<3	3	<10	<2	1.3	16	19	14	<5	51
19566	Rock	12	—	0.1	203	<2	33	171	<5	<3	2	<10	<2	0.6	15	42	307	<5	47
19567	Rock	12	—	0.6	863	6	68	4778	<5	<3	1	<10	5	0.7	24	11	41	<5	42
19568	Rock	<2	—	0.1	105	7	28	265	8	<3	3	<10	<2	0.2	5	15	53	<5	174
19569	Rock	3	—	0.6	981	14	39	135	<5	<3	3	<10	<2	0.3	6	4	11	<5	75
19570	Rock	<2	—	0.2	247	16	49	555	6	<3	1	<10	<2	1.0	5	10	24	<5	143
19571	Rock	5	—	0.3	330	11	53	573	<5	<3	1	<10	5	0.6	4	8	10	<5	128
19572	Rock	6	—	0.1	92	<2	30	379	<5	<3	2	<10	<2	0.2	19	32	131	<5	81
19573	Rock	90	—	0.5	421	<2	30	1051	<5	<3	<1	<10	75	<0.1	3	2	15	<5	66
19574	Rock	<2	—	0.1	60	15	47	157	<5	<3	2	<10	<2	0.2	5	15	57	<5	152
19575	Rock	<2	—	0.4	333	8	79	742	<5	<3	4	<10	11	1.2	11	6	23	<5	81
19576	Rock	15	—	0.4	173	35	94	455	<5	<3	4	<10	<2	1.2	7	11	28	<5	134
19577	Rock	6	—	0.4	285	7	76	268	5	<3	2	<10	<2	0.6	8	11	54	<5	75
19578	Rock	5	—	<0.1	63	<2	26	208	<5	<3	3	<10	<2	0.6	7	17	75	<5	128
19579	Rock	<2	—	2.8	2775	<2	94	19%	69	<3	4	<10	657	<0.1	14	4	<2	<5	48
19580	Rock	129	—	7.0	6192	2	101	3.9%	20	<3	4	<10	239	0.4	12	7	<2	<5	106
19581	Rock	522	—	1.8	2012	<2	47	3.2%	18	<3	1	<10	318	<0.1	16	5	<2	7	62
19582	Rock	63	—	0.3	383	9	51	4149	<5	<3	<1	<10	16	0.6	9	11	45	<5	72
19583	Rock	597	—	1.2	589	8	61	7643	<5	<3	4	<10	102	0.2	7	5	35	14	56
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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CERTIFICATE OF ANALYSIS
iPL 98G0735

Client : Homestake Canada Inc
Project: 90822 Yukon

84 Samples
84=Rock

[073510:51:02:89080598]

Out: Jul 29, 1998
In : Jul 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19545	15	224	40	63	4	1	0.05	1.19	2.86	7.75	0.04	0.04	0.23	0.10
19546	16	691	7	45	10	2	0.05	1.23	5.12	1.80	0.12	0.03	0.12	0.06
19547	15	619	6	43	9	1	0.06	0.98	5.73	1.44	0.15	0.03	0.09	0.04
19548	10	161	12	192	2	1	0.08	6.91	5.99	0.52	0.08	0.02	0.46	0.14
19549	9	546	17	69	4	1	0.04	2.08	2.28	7.20	0.13	0.03	0.06	0.08
19550	6	298	7	20	3	1	0.03	1.03	0.92	2.61	0.12	0.03	0.03	0.02
19551	4	377	6	8	3	1	0.02	0.64	1.05	4.18	0.13	0.02	<0.01	0.05
19552	5	281	5	7	3	<1	0.01	0.50	0.67	11%	0.10	0.04	<0.01	0.11
19553	5	443	3	11	4	<1	0.01	0.64	0.79	16%	0.11	0.01	<0.01	0.09
19554	5	551	2	12	2	<1	0.02	0.75	1.35	7.65	0.13	0.08	0.01	0.08
19555	<2	617	2	9	3	<1	0.01	0.45	2.48	5.25	0.06	0.05	<0.01	0.04
19556	6	241	11	38	3	1	0.03	0.94	0.86	1.87	0.08	0.05	0.05	0.02
19557	2	373	6	29	3	<1	0.03	0.95	1.13	1.52	0.07	0.04	0.04	0.05
19558	3	348	<2	5	4	<1	0.01	0.36	0.51	14%	0.05	0.01	<0.01	<0.01
19559	2	441	10	4	4	<1	0.01	0.15	1.07	12%	0.07	<0.01	<0.01	0.13
19560	2	863	83	13	4	<1	0.02	1.01	1.72	7.44	0.10	0.06	<0.01	0.07
19561	15	856	7	34	4	1	0.03	1.65	1.94	6.72	0.14	0.08	0.04	0.09
19562	8	635	3	17	3	<1	0.01	0.81	2.10	11%	0.09	0.05	<0.01	0.06
19563	18	360	6	41	4	2	0.04	1.12	0.86	2.83	0.12	0.08	0.05	0.01
19564	6	431	4	10	4	<1	0.01	0.62	0.87	13%	0.12	<0.01	<0.01	0.09
19565	7	289	<2	2	5	<1	<0.01	0.09	0.26	18%	0.04	<0.01	<0.01	<0.01
19566	21	261	56	7	7	7	0.03	2.66	0.17	3.05	0.63	0.95	0.03	0.03
19567	3	1029	13	8	3	<1	0.02	0.71	1.71	7.05	0.11	0.13	0.01	0.14
19568	14	231	20	27	8	2	0.04	0.98	0.46	1.40	0.19	0.17	0.06	0.02
19569	5	677	6	11	5	<1	0.02	0.98	1.20	8.83	0.12	0.04	<0.01	0.07
19570	3	548	5	11	3	<1	0.02	0.73	1.24	2.90	0.09	0.05	0.03	0.05
19571	<2	558	3	6	2	<1	0.01	0.42	1.08	3.57	0.09	0.03	0.01	0.07
19572	46	236	33	10	12	9	0.09	2.37	0.27	3.18	0.61	0.88	0.06	0.04
19573	2	414	4	6	3	<1	0.02	0.40	0.74	5.53	0.08	0.06	<0.01	0.08
19574	14	298	13	121	4	2	0.05	1.95	1.58	1.12	0.16	0.12	0.12	0.03
19575	14	792	8	12	4	1	0.02	0.60	1.24	5.32	0.10	0.09	0.02	0.09
19576	7	939	3	13	3	1	0.03	0.50	0.87	3.22	0.15	0.06	0.02	0.02
19577	20	1209	10	81	5	3	0.05	1.63	2.12	4.56	0.21	0.27	0.07	0.08
19578	32	258	30	255	5	5	0.11	4.39	3.10	1.37	0.30	0.40	0.18	0.04
19579	7	316	6	31	5	<1	0.01	0.75	0.73	19%	0.16	0.02	<0.01	0.04
19580	3	130	8	38	3	1	0.01	1.48	1.10	7.08	0.06	0.01	0.02	0.06
19581	2	243	4	8	2	<1	0.01	0.40	0.64	7.53	0.05	0.02	<0.01	0.05
19582	23	533	13	94	4	3	0.05	2.77	2.65	3.12	0.22	0.30	0.15	0.04
19583	13	774	6	56	5	1	0.03	1.78	1.91	12%	0.16	0.08	<0.01	0.06
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0735

Client : Homestake Canada Inc
Project: 90822 Yukon

84 Samples
84=Rock

[073510:51:02:89080598]

Out: Jul 29, 1998
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Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
19584	Rock	810	—	4.4	3443	2	135	15%	58	<3	3	<10	825	0.4	29	5	<2	<5	55
19585	Rock	180	—	1.4	1710	<2	93	2.0%	13	<3	1	<10	80	0.2	15	6	<2	<5	64
19586	Rock	243	—	0.7	250	59	62	1.3%	9	<3	4	<10	91	0.9	7	7	<2	<5	150
19587	Rock	444	—	1.3	693	4	38	8846	7	<3	2	<10	34	<0.1	17	1	5	<5	53
19588	Rock	555	—	0.6	222	12	60	2731	7	<3	2	<10	10	0.8	4	4	12	<5	163
19589	Rock	99	—	1.5	1109	<2	50	2241	<5	<3	1	<10	22	<0.1	7	5	3	6	69
19590	Rock	3000	3.00	3.6	3011	4	96	77%	63	<3	14	<10	527	1.0	31	16	<2	<5	75
19591	Rock	615	—	0.9	1246	5	56	1.5%	10	<3	6	<10	89	0.6	35	16	<2	<5	95
19592	Rock	87	—	0.6	424	10	46	8923	10	<3	2	<10	52	0.9	10	10	9	<5	152
19593	Rock	399	—	1.2	1541	<2	86	2.8%	16	<3	3	<10	53	0.5	33	8	<2	6	51
19594	Rock	6380	6.00	2.2	291	43	41	6426	22	<3	2	<10	502	0.8	14	8	2	<5	136
19595	Rock	150	—	0.6	326	<2	18	1767	<5	<3	2	<10	21	<0.1	3	5	11	<5	122
19596	Rock	2100	2.15	0.4	289	<2	17	1.5%	<5	<3	2	<10	165	0.5	6	<1	73	<5	79
19597	Rock	630	—	0.2	271	<2	18	1304	<5	<3	1	<10	17	0.3	2	8	19	5	157
19598	Rock	3750	3.70	0.4	198	<2	17	4.4%	34	<3	1	<10	162	0.1	15	6	<2	<5	133
19599	Rock	15	—	<0.1	57	<2	20	1513	<5	<3	1	<10	5	0.3	2	4	29	<5	101
19600	Rock	615	—	0.3	149	<2	18	841	<5	<3	<1	<10	42	<0.1	1	4	13	21	43
20538	Rock	195	—	0.1m	124	2.1%	2215	23%	1.2%	<3	2	<10	97	28.4	72	22	<2	<5	46
20539	Rock	264	—	17.8	846	3021	87	6.5%	0.2%	<3	4	<10	152	2.7	297	47	<2	11	96
20540	Rock	<2	—	45.0	1932	18584	10346	5012	0.9%	<3	<1	<10	3	0.2m	22	53	<2	<5	33
20541	Rock	<2	—	3.2	2141	4258	2137	108	0.3%	<3	3	<10	<2	35.7	14	58	20	396	33
20542	Rock	<2	—	43.0	1064	7297	193	<5	0.8%	<3	2	<10	<2	26.3	28	28	7	12	26
20543	Rock	5	—	95.1	618	4470	7672	<5	1.0%	8	2	<10	2	0.2m	8	45	7	<5	37
20544	Rock	165	—	4.9	285	1392	381	6.6%	0.2%	<3	7	<10	85	7.3	74	15	<2	<5	104
20560	Rock	<2	—	0.4	72	228	246	2566	257	<3	3	<10	<2	3.8	26	19	56	15	94
20561	Rock	<2	—	0.9	1450	1577	108	879	0.1%	<3	3	<10	<2	10.3	133	113	19	10	11
20562	Rock	186	—	0.1m	752	3595	2.5%	1039	0.1%	<3	<1	<10	<2	0.3m	28	12	9	32	29
20563	Rock	<2	—	34.0	562	7840	1138	342	0.3%	<3	1	<10	<2	13.7	27	73	16	<5	79
20564	Rock	870	—	0.4	289	344	383	1.4%	146	<3	1	<10	16	4.5	14	12	5	<5	196
20565	Rock	15m	14.80	2.7	1945	1270	106	28%	0.1%	<3	3	<10	339	2.2	247	106	<2	<5	80
20566	Rock	3870	4.00	38.5	3.5%	685	905	7.3%	79	<3	1	<10	64	8.2	66	36	<2	6	69
20567	Rock	1710	2.00	31.0	8042	226	166	5.7%	82	<3	3	<10	22	2.5	100	68	<2	<5	73
20568	Rock	3450	3.50	1.0	1012	30	46	19%	96	<3	4	<10	146	0.6	37	8	<2	<5	101
20569	Rock	5100	5.00	0.7	407	233	40	10%	191	<3	2	<10	126	0.8	48	14	<2	<5	76
20570	Rock	2400	2.50	1.9	676	98	53	5.1%	42	<3	1	<10	70	0.5	25	19	<2	<5	194
20571	Rock	2370	2.40	1.6	210	121	20	19%	92	<3	6	<10	138	1.2	77	32	<2	<5	120
20572	Rock	267	—	1.0	26	116	46	23%	88	<3	5	<10	16	1.5	415	28	<2	<5	39
22229	Rock	<2	—	0.2	51	19	71	4523	8	<3	2	<10	<2	0.7	41	50	114	<5	92
22236	Rock	<2	—	0.1	44	50	200	3657	36	<3	2	<10	<2	0.2	34	54	164	<5	42
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Out: Jul 29, 1998
In : Jul 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19584	4	247	5	10	4	<1	0.01	0.67	0.79	16%	0.09	0.01	<0.01	0.08
19585	2	298	6	14	2	<1	0.01	0.78	0.93	6.94	0.05	0.02	<0.01	0.07
19586	6	275	4	52	2	1	0.02	1.83	1.69	2.48	0.08	0.03	0.07	0.04
19587	3	373	<2	8	3	<1	0.02	0.68	0.83	7.96	0.08	0.08	<0.01	0.03
19588	2	385	4	13	2	<1	0.02	0.56	0.77	2.33	0.08	0.05	0.03	0.04
19589	<2	253	3	8	3	<1	0.02	0.43	0.67	7.11	0.05	0.02	<0.01	0.10
19590	11	153	4	9	4	1	<0.01	0.50	0.57	15%	0.09	<0.01	<0.01	0.05
19591	5	286	6	8	3	<1	0.01	0.43	0.63	6.90	0.06	0.01	<0.01	0.07
19592	12	186	7	74	3	1	0.02	2.02	1.71	2.19	0.09	0.07	0.08	0.03
19593	2	264	3	33	3	<1	0.01	1.59	1.46	7.00	0.06	0.01	<0.01	0.04
19594	<2	369	5	18	2	<1	0.02	0.69	0.96	2.51	0.07	0.04	0.03	0.05
19595	2	406	6	4	2	<1	0.02	0.37	0.55	4.66	0.04	0.06	0.01	0.02
19596	19	156	5	5	6	<1	0.03	0.50	0.12	18%	0.11	0.13	<0.01	0.06
19597	7	242	3	4	3	<1	0.02	0.53	0.49	9.25	0.08	0.10	<0.01	0.05
19598	6	292	8	19	3	<1	0.02	1.04	0.86	6.60	0.09	0.08	<0.01	0.03
19599	3	515	11	8	3	<1	0.03	0.51	1.27	3.12	0.07	0.10	0.02	0.01
19600	<2	439	6	4	2	<1	0.01	0.28	0.99	4.83	0.07	0.06	<0.01	0.05
20538	6	3223	<2	14	4	<1	<0.01	0.13	1.71	24%	0.34	<0.01	<0.01	<0.01
20539	107	322	74	31	12	6	<0.01	0.68	2.22	13%	0.32	0.03	<0.01	0.92
20540	35	721	<2	7	8	1	<0.01	0.38	0.71	23%	0.49	<0.01	<0.01	0.04
20541	34	262	<2	3	11	1	<0.01	0.22	0.06	24%	0.21	<0.01	<0.01	0.01
20542	18	312	<2	6	5	<1	<0.01	0.12	0.23	18%	0.22	0.01	<0.01	<0.01
20543	8	569	<2	16	3	<1	<0.01	0.04	0.51	16%	0.21	<0.01	<0.01	<0.01
20544	6	60	13	8	24	1	<0.01	0.23	0.06	6.51	0.03	0.09	<0.01	0.06
20560	75	465	35	107	11	8	0.12	1.77	2.30	3.87	1.30	0.11	0.08	0.12
20561	23	33	<2	5	10	<1	0.01	0.15	0.09	25%	0.08	<0.01	<0.01	0.01
20562	12	3851	<2	15	7	<1	<0.01	0.05	2.28	21%	0.20	<0.01	<0.01	<0.01
20563	22	402	7	79	16	1	0.34	0.30	1.23	6.89	0.15	<0.01	<0.01	0.15
20564	<2	93	13	13	2	1	0.01	0.12	0.09	1.97	0.02	0.02	<0.01	0.03
20565	48	404	18	23	8	7	0.03	1.46	0.08	22%	0.68	0.12	<0.01	0.02
20566	13	176	2	14	5	1	0.01	1.48	0.41	15%	0.14	0.01	<0.01	0.03
20567	38	271	11	15	6	7	0.08	2.78	0.39	9.39	2.20	1.22	<0.01	0.03
20568	12	34	49	10	4	5	0.01	0.52	0.03	13%	0.09	0.14	<0.01	0.03
20569	29	270	24	46	5	4	0.04	2.39	0.85	9.26	1.39	0.78	<0.01	0.03
20570	4	68	27	29	3	<1	<0.01	0.36	0.13	4.17	0.17	0.08	<0.01	0.03
20571	19	98	5	132	4	2	0.02	0.64	0.24	14%	0.65	0.29	<0.01	0.01
20572	10	1177	3	365	14	2	<0.01	0.41	2.74	17%	0.55	0.21	<0.01	0.08
22229	23	192	24	33	5	7	0.02	2.79	0.14	3.87	0.66	0.44	0.01	0.01
22236	39	671	52	16	8	2	0.09	1.62	0.12	5.01	0.80	0.58	<0.01	0.04
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0735

Client : Homestake Canada Inc
Project: 90822 Yukon

84 Samples
84=Rock

[073510:51:02:89080598]

Out: Jul 29, 1998
In : Jul 23, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
22304	Rock	72	—	0.1m	1426	4902	7236	2835	0.2%	<3	1	<10	25	96.7	46	13	15	<5	19
22305	Rock	237	—	3.3	2023	448	924	3.4%	292	<3	2	<10	<2	11.3	199	34	<2	280	29
22306	Rock	114	—	61.0	1384	3859	10600	1340	347	<3	<1	<10	<2	0.1m	58	15	11	<5	27
22307	Rock	<2	—	1.4	962	259	493	721	79	<3	2	<10	<2	6.1	38	56	6	5	79
22308	Rock	5	—	1.2	165	347	246	652	23	<3	3	<10	<2	2.4	21	27	465	<5	181
22309	Rock	<2	—	0.2	62	70	109	434	22	<3	2	<10	<2	1.4	7	15	116	<5	159
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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iPL 98G0735

Client : Homestake Canada Inc
Project: 90822 Yukon

84 Samples
84=Rock

[073510:51:02:89080598]

Out: Jul 29, 1998
In : Jul 23, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
22304	14	1012	<2	6	8	<1	<0.01	0.10	0.21	23%	0.13	<0.01	<0.01	<0.01
22305	17	155	<2	4	10	<1	<0.01	0.16	0.07	24%	0.15	0.05	<0.01	0.01
22306	17	716	<2	8	9	<1	<0.01	0.06	0.37	24%	0.14	<0.01	<0.01	<0.01
22307	21	800	<2	6	7	1	0.13	0.73	1.08	9.15	0.29	0.01	<0.01	0.05
22308	100	468	24	193	25	11	0.31	4.86	1.80	4.78	1.88	2.13	0.46	0.14
22309	11	148	20	24	9	2	0.02	1.12	0.36	1.32	0.24	0.29	0.10	0.03
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98G0634

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Homestake Canada Inc — **330 Samples** — Out: Jul 14, 1998 In: Jul 03, 1998 [063417:17:20:89071798]

Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP 12M/Dis	REJECT 00M/Dis
B111	330	Soil	Dry & sift to -80 mesh, discard reject.		

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Ph:604/684-2345
Fx:604/684-9831
Em:dkuran@homestake.com

2 Homestake Canada Inc. — EN RT CC IN FX: 2 2 1 0 1
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Yukon
Canada
Att: Dom Bordin (E-mail)
Ph:403/993-5700
Fx:403/993-5076
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C03430406
* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
19535	Soil	130	—	1.1	87	96	179	950	23	<3	3	<10	<2	<0.1	21	31	108	5	31
19536	Soil	6	—	0.7	21	34	102	23	<5	<3	4	<10	<2	0.2	4	17	118	<5	16
19537	Soil	50	—	2.2	153	268	545	297	68	<3	11	<10	<2	<0.1	45	105	188	7	27
19538	Soil	140	—	8.2	41	1190	101	518	51	<3	6	<10	<2	<0.1	8	14	155	<5	17
19539	Soil	48	—	0.5	171	104	248	704	41	<3	10	<10	<2	<0.1	8	34	49	<5	27
19540	Soil	<2	—	0.5	42	129	264	41	16	<3	5	<10	<2	<0.1	227	195	368	<5	9
19541	Soil	<2	—	0.2	41	79	134	<5	<5	<3	2	<10	<2	<0.1	23	34	104	<5	17
19542	Soil	<2	—	1.8	34	561	259	17	<5	<3	3	<10	<2	1.5	15	30	113	<5	10
19543	Soil	<2	—	0.2	19	30	63	22	<5	<3	2	<10	<2	<0.1	6	17	87	<5	19
19544	Soil	<2	—	0.2	21	21	60	19	<5	<3	2	<10	<2	<0.1	6	17	67	<5	20
20545	Soil	120	—	0.8	219	52	27	1673	29	<3	1	<10	<2	0.8	5	7	44	<5	10
20550	Soil	<2	—	0.2	22	29	96	15	<5	<3	3	<10	<2	<0.1	8	20	138	5	19
20552	Soil	2	—	0.5	28	30	80	37	6	<3	6	<10	<2	<0.1	4	12	117	5	14
20553	Soil	<2	—	0.3	21	73	152	438	<5	<3	2	<10	<2	<0.1	10	21	145	<5	27
20554	Soil	<2	—	0.5	35	39	389	70	7	<3	3	<10	<2	<0.1	41	107	266	<5	36
20555	Soil	4	—	0.3	47	65	186	37	7	<3	3	<10	<2	<0.1	25	60	102	5	26
20557	Soil	2	—	0.2	25	15	72	17	<5	<3	5	<10	<2	<0.1	6	17	76	<5	18
20560	Soil	<2	—	0.4	53	451	121	32	<5	<3	7	<10	<2	<0.1	9	23	281	<5	21
22051	Soil	10	—	0.3	70	86	266	31	<5	<3	3	<10	<2	<0.1	40	76	134	<5	29
22284	Soil	<2	—	0.6	43	33	195	<5	5	<3	4	<10	<2	<0.1	33	89	187	<5	15
22286	Soil	<2	—	0.2	20	18	61	6	<5	<3	2	<10	<2	<0.1	16	31	122	<5	19
22287	Soil	<2	—	0.2	18	26	87	12	<5	<3	1	<10	<2	<0.1	12	27	103	5	21
22289	Soil	<2	—	0.2	20	19	62	16	<5	<3	2	<10	<2	<0.1	10	20	113	<5	21
22290	Soil	<2	—	0.7	59	53	145	173	5	<3	6	<10	<2	<0.1	19	44	205	<5	50
22291	Soil	2	—	0.4	76	47	180	111	<5	<3	7	<10	<2	<0.1	21	31	162	<5	42
22292	Soil	96	—	0.6	315	15	34	133	<5	<3	5	<10	107	<0.1	9	19	106	38	31
22293	Soil	<2	—	0.3	25	23	62	34	<5	<3	3	<10	<2	<0.1	8	23	149	<5	27
22294	Soil	<2	—	0.2	21	15	54	37	<5	<3	1	<10	<2	<0.1	7	17	63	<5	19
22295	Soil	2	—	0.4	23	23	68	40	<5	<3	2	<10	<2	<0.1	11	17	75	<5	19
22296	Soil	<2	—	0.5	19	20	60	26	<5	<3	2	<10	<2	<0.1	6	16	96	<5	22
22297	Soil	<2	—	0.3	18	16	58	20	<5	<3	2	<10	<2	<0.1	5	16	82	<5	18
22298	Soil	<2	—	0.3	19	18	65	26	<5	<3	2	<10	<2	<0.1	7	18	72	<5	25
22299	Soil	<2	—	0.2	17	22	64	8	<5	<3	2	<10	<2	<0.1	9	16	50	<5	25
22300	Soil	<2	—	0.1	17	19	71	21	<5	<3	3	<10	<2	<0.1	7	17	72	<5	30
22301	Soil	2	—	0.8	34	113	133	57	<5	<3	2	<10	<2	<0.1	13	22	71	<5	15
22302	Soil	<2	—	0.1	15	53	73	8	<5	<3	2	<10	<2	<0.1	8	18	69	<5	24
22303	Soil	4	—	0.3	17	97	111	15	<5	<3	2	<10	<2	0.1	9	20	75	<5	20
24297	Soil	1700	1.77	9.6	3698	51	203	3.0%	37	<3	4	<10	2408	<0.1	231	93	145	144	15
24298	Soil	266	—	1.2	1068	92	125	3753	25	<3	4	<10	179	<0.1	42	82	50	8	18
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19535	29	1450	44	62	5	9	0.02	1.07	0.38	5.40	0.56	0.11	<0.01	0.09
19536	41	258	8	35	1	<1	0.01	0.79	0.29	1.59	0.10	0.07	<0.01	0.20
19537	42	1989	30	87	1	4	0.03	2.02	0.25	8.36	0.52	0.17	<0.01	0.26
19538	26	208	48	40	5	4	0.01	0.83	0.03	4.76	0.14	0.19	<0.01	0.06
19539	38	268	16	12	6	4	0.03	1.66	0.02	15%	0.16	0.04	<0.01	0.27
19540	15	8595	22	152	3	2	<0.01	1.91	0.46	7.88	0.39	0.07	<0.01	0.08
19541	21	1084	51	24	3	3	0.01	0.97	0.08	4.27	0.33	0.09	<0.01	0.06
19542	14	570	55	84	5	3	<0.01	0.48	0.12	4.00	0.08	0.10	<0.01	0.04
19543	31	204	25	13	1	1	0.01	0.92	0.07	2.68	0.28	0.05	<0.01	0.04
19544	34	191	24	11	<1	1	0.01	1.09	0.05	2.81	0.28	0.04	<0.01	0.06
20545	14	231	29	56	8	2	<0.01	0.47	0.07	2.00	0.03	0.04	<0.01	0.04
20550	37	377	32	54	1	1	0.01	1.24	0.08	3.45	0.26	0.08	<0.01	0.08
20552	23	189	18	27	<1	1	0.01	1.03	0.09	2.77	0.25	0.09	<0.01	0.08
20553	48	822	20	28	1	1	0.02	1.53	0.21	4.03	0.38	0.10	<0.01	0.09
20554	48	4086	35	43	3	4	0.02	2.67	0.29	5.13	0.58	0.14	<0.01	0.09
20555	45	832	31	88	1	3	0.03	1.54	0.13	4.63	0.33	0.15	<0.01	0.10
20557	54	166	27	17	1	1	0.03	0.89	0.04	3.57	0.12	0.06	<0.01	0.06
20560	36	368	24	58	<1	1	0.01	1.73	0.16	4.22	0.40	0.18	<0.01	0.15
22051	52	1494	23	35	1	4	0.05	2.09	0.20	5.16	0.63	0.08	<0.01	0.13
22284	19	1316	68	23	1	2	<0.01	0.65	0.18	7.01	0.09	0.07	<0.01	0.09
22286	33	1056	30	17	1	1	0.02	1.02	0.13	3.43	0.26	0.07	<0.01	0.05
22287	33	461	28	17	1	2	0.02	1.12	0.11	3.00	0.36	0.08	<0.01	0.05
22289	39	438	29	18	<1	1	0.02	1.08	0.09	3.02	0.27	0.06	<0.01	0.07
22290	138	585	40	112	11	7	0.10	3.22	1.37	5.26	2.38	0.33	0.04	0.12
22291	119	677	15	128	3	3	0.07	2.91	1.05	4.49	1.67	0.32	0.03	0.19
22292	55	144	16	28	8	3	0.07	1.62	0.11	14%	0.62	0.40	<0.01	0.12
22293	54	336	30	18	1	1	0.03	1.70	0.10	3.42	0.51	0.09	<0.01	0.08
22294	32	192	25	15	1	2	0.03	0.97	0.15	2.56	0.32	0.06	<0.01	0.06
22295	37	468	23	12	1	1	0.02	1.17	0.06	2.87	0.24	0.06	<0.01	0.08
22296	41	205	23	12	<1	1	0.02	1.37	0.06	2.74	0.30	0.06	<0.01	0.06
22297	31	163	27	13	<1	1	0.02	1.04	0.07	2.47	0.28	0.05	<0.01	0.05
22298	48	384	15	11	1	1	0.03	1.53	0.07	2.95	0.36	0.06	<0.01	0.07
22299	53	504	19	13	1	1	0.04	1.21	0.08	3.97	0.27	0.06	<0.01	0.07
22300	61	321	17	14	<1	1	0.04	1.74	0.09	3.53	0.38	0.06	<0.01	0.06
22301	23	729	47	30	<1	1	0.01	0.81	0.11	3.54	0.21	0.10	<0.01	0.07
22302	40	384	18	11	1	2	0.03	1.14	0.09	2.83	0.36	0.05	<0.01	0.03
22303	39	493	21	14	<1	1	0.03	1.20	0.10	2.95	0.30	0.06	<0.01	0.05
24297	27	503	39	55	2	2	0.02	1.19	1.10	7.33	0.24	0.06	<0.01	0.15
24298	26	884	77	66	2	3	0.03	2.24	0.56	9.81	0.32	0.06	<0.01	0.18
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
24299	Soil	284	—	6.9	2520	331	176	9700	47	<3	12	<10	72	<0.1	23	12	156	66	21
24308	Soil	8	—	0.4	74	53	256	236	14	<3	4	<10	<2	<0.1	31	62	153	7	26
24309	Soil	100	—	2.9	70	349	239	172	52	<3	5	<10	<2	<0.1	10	24	76	<5	15
24310	Soil	<2	—	0.2	27	60	100	22	<5	<3	2	<10	<2	<0.1	22	30	175	<5	33
24311	Soil	<2	—	0.6	38	247	269	40	<5	<3	4	<10	<2	0.6	27	51	88	<5	8
24312 (A)	Soil	6	—	0.1	36	25	88	9	<5	<3	3	<10	<2	<0.1	17	32	129	<5	17
24312 (B)	Soil	2	—	0.1	26	25	163	33	<5	<3	3	<10	<2	<0.1	17	55	263	<5	37
24313	Soil	<2	—	0.2	28	13	59	186	<5	<3	2	<10	<2	<0.1	8	21	77	<5	20
24314	Soil	<2	—	0.1	36	24	41	30	<5	<3	1	<10	<2	<0.1	5	15	81	<5	16
24315	Soil	<2	—	0.8	254	3	72	<5	<5	<3	2	<10	10	<0.1	3	1	50	8	9
24316	Soil	4	—	0.4	156	20	89	<5	<5	<3	2	<10	<2	<0.1	13	21	125	<5	15
24317	Soil	2	—	0.4	248	16	86	80	<5	<3	1	<10	<2	<0.1	13	8	53	<5	8
24318	Soil	<2	—	0.3	200	7	110	45	<5	<3	2	<10	10	<0.1	17	25	95	7	15
24319	Soil	8	—	0.3	154	8	104	34	<5	<3	2	<10	3	<0.1	17	22	154	<5	15
24320	Soil	<2	—	0.3	142	101	43	98	<5	<3	4	<10	<2	<0.1	6	15	176	<5	29
SR 0+00E 0+00N	Soil	<2	—	0.3	102	94	106	257	5	<3	3	<10	<2	<0.1	13	27	184	5	35
SR 0+00E 0+25N	Soil	2	—	0.3	77	73	120	370	6	<3	3	<10	<2	<0.1	18	29	228	<5	34
SR 0+00E 0+50N	Soil	<2	—	0.4	100	70	120	433	5	<3	1	<10	<2	<0.1	17	34	244	<5	37
SR 0+00E 1+00N	Soil	4	—	0.5	297	36	80	1108	11	<3	3	<10	19	<0.1	21	25	144	<5	31
SR 0+00E 1+25N	Soil	<2	—	0.4	452	60	86	1121	11	<3	3	<10	9	<0.1	56	31	222	<5	22
SR 0+00E 1+75N	Soil	<2	—	0.2	152	28	124	533	5	<3	3	<10	<2	<0.1	18	36	149	<5	32
SR 0+00E 2+00N	Soil	<2	—	0.2	63	24	61	420	<5	<3	2	<10	<2	<0.1	12	27	155	<5	30
SR 0+00E 2+25N	Soil	<2	—	0.2	83	27	81	507	<5	<3	2	<10	7	<0.1	17	28	213	<5	34
SR 0+00E 2+50N	Soil	<2	—	0.2	68	32	66	334	<5	<3	2	<10	8	0.2	17	21	194	<5	21
SR 0+00E 2+75N	Soil	40	—	0.4	153	23	105	1107	7	<3	2	<10	37	0.2	32	20	225	<5	20
SR 0+00E 3+00N	Soil	<2	—	0.2	133	33	90	481	6	<3	2	<10	<2	<0.1	18	26	231	5	32
SR 0+00E 3+25N	Soil	<2	—	0.6	272	52	126	540	11	<3	2	<10	<2	<0.1	17	41	190	11	26
SR 0+00E 3+50N	Soil	<2	—	0.3	66	34	90	290	8	<3	3	<10	<2	0.5	18	22	181	<5	32
SR 0+00E 3+75N	Soil	<2	—	<0.1	70	34	121	291	5	<3	3	<10	<2	<0.1	15	27	159	7	30
SR 0+00E 4+00N	Soil	2	—	0.3	348	34	80	1216	12	<3	3	<10	<2	<0.1	16	46	271	24	37
SR 1+00E 0+25N	Soil	<2	—	0.1	57	37	82	1618	9	<3	2	<10	<2	<0.1	12	29	168	<5	35
SR 1+00E 0+50N	Soil	2	—	0.2	141	42	106	1219	6	<3	3	<10	11	<0.1	17	35	197	<5	37
SR 1+00E 0+75N	Soil	<2	—	0.2	42	28	95	164	5	<3	2	<10	<2	<0.1	15	31	234	<5	49
SR 1+00E 1+00N	Soil	<2	—	0.2	45	30	101	126	5	<3	1	<10	<2	<0.1	16	35	286	<5	52
SR 1+00E 1+25N	Soil	<2	—	0.2	48	33	81	360	5	<3	2	<10	<2	<0.1	16	34	237	<5	41
SR 1+00E 1+50N	Soil	16	—	0.6	360	66	162	1839	18	<3	4	<10	48	<0.1	24	41	173	<5	29
SR 1+00E 1+75N	Soil	2	—	0.3	121	39	99	533	<5	<3	1	<10	<2	<0.1	13	28	141	<5	28
SR 1+00E 2+00N	Soil	<2	—	0.1	58	31	102	439	<5	<3	3	<10	2	<0.1	14	22	107	<5	30
SR 1+00E 2+25N	Soil	<2	—	0.5	104	24	108	655	6	<3	5	<10	<2	<0.1	13	24	163	6	32
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
24299	41	863	49	192	2	5	0.06	1.37	0.63	4.94	0.61	0.32	<0.01	0.14
24308	37	1455	40	66	5	6	0.03	1.53	0.34	4.85	0.54	0.15	<0.01	0.13
24309	24	361	46	39	4	3	0.01	0.83	0.02	7.22	0.11	0.10	<0.01	0.09
24310	56	1134	50	58	4	5	0.04	1.67	0.44	3.73	0.75	0.12	<0.01	0.10
24311	11	860	54	54	6	2	<0.01	0.58	0.13	3.94	0.10	0.09	<0.01	0.05
24312 (A)	27	483	43	29	2	2	0.02	1.14	0.08	3.48	0.28	0.09	<0.01	0.05
24312 (B)	76	600	16	18	4	4	0.10	2.82	0.14	3.52	0.97	0.16	<0.01	0.05
24313	33	234	27	12	1	1	0.03	0.93	0.08	2.82	0.31	0.07	<0.01	0.04
24314	27	160	24	32	4	4	0.03	0.74	0.12	2.33	0.21	0.06	<0.01	0.09
24315	14	1153	8	6	3	<1	0.04	0.46	0.26	17%	0.08	0.01	<0.01	0.06
24316	24	1830	19	22	1	2	0.02	0.90	0.76	5.34	0.32	0.03	<0.01	0.12
24317	11	2361	16	13	2	1	0.02	0.52	0.64	8.62	0.19	0.04	<0.01	0.05
24318	26	821	19	13	3	2	0.02	1.06	0.07	10%	0.15	0.06	<0.01	0.06
24319	23	1836	26	21	2	2	0.02	1.08	0.23	8.27	0.23	0.10	<0.01	0.06
24320	25	425	68	218	3	6	0.01	0.84	0.04	6.21	0.07	0.04	<0.01	0.21
SR 0+00E 0+00N	59	369	18	35	3	4	0.07	3.16	0.54	3.08	0.60	0.15	0.01	0.07
SR 0+00E 0+25N	53	621	24	89	6	5	0.10	3.32	1.11	3.04	0.99	0.33	0.12	0.10
SR 0+00E 0+50N	56	531	22	90	8	5	0.12	3.46	1.13	3.13	1.12	0.38	0.13	0.09
SR 0+00E 1+00N	49	449	13	42	1	2	0.05	1.51	0.54	4.06	0.45	0.15	0.02	0.12
SR 0+00E 1+25N	35	1415	14	46	1	1	0.04	1.37	0.97	3.19	0.43	0.18	0.04	0.13
SR 0+00E 1+75N	71	537	14	29	2	3	0.08	2.96	0.17	3.63	0.75	0.18	<0.01	0.10
SR 0+00E 2+00N	62	372	15	20	2	3	0.08	2.80	0.21	3.20	0.53	0.08	<0.01	0.06
SR 0+00E 2+25N	75	528	16	30	2	4	0.12	3.13	0.37	3.71	0.69	0.17	<0.01	0.11
SR 0+00E 2+50N	41	1947	11	45	<1	1	0.04	2.06	0.60	2.48	0.33	0.12	0.02	0.15
SR 0+00E 2+75N	41	1510	9	37	1	1	0.03	1.71	0.50	3.07	0.33	0.12	0.01	0.22
SR 0+00E 3+00N	100	640	14	32	3	4	0.16	2.68	0.26	4.33	0.70	0.17	<0.01	0.09
SR 0+00E 3+25N	62	396	13	40	2	3	0.09	2.33	0.27	4.42	0.53	0.09	<0.01	0.08
SR 0+00E 3+50N	93	1049	12	36	2	2	0.09	1.68	0.26	3.40	0.48	0.16	<0.01	0.08
SR 0+00E 3+75N	79	352	13	19	3	3	0.11	2.23	0.17	3.90	0.52	0.11	<0.01	0.05
SR 0+00E 4+00N	89	369	15	81	3	4	0.10	2.29	0.32	6.18	0.82	0.15	<0.01	0.08
SR 1+00E 0+25N	55	403	15	48	3	3	0.06	2.82	0.99	2.89	0.88	0.16	0.04	0.10
SR 1+00E 0+50N	60	694	23	49	1	4	0.07	2.96	0.67	3.76	0.87	0.12	0.03	0.09
SR 1+00E 0+75N	71	668	20	51	3	4	0.11	3.96	0.61	3.33	1.45	0.21	0.03	0.09
SR 1+00E 1+00N	84	642	24	70	4	5	0.13	4.33	0.92	3.61	1.67	0.34	0.07	0.10
SR 1+00E 1+25N	61	532	23	75	4	5	0.11	3.52	0.92	3.17	1.18	0.22	0.08	0.09
SR 1+00E 1+50N	60	600	21	69	3	3	0.09	2.20	0.76	5.09	0.51	0.24	0.06	0.16
SR 1+00E 1+75N	47	514	25	32	1	2	0.06	2.37	0.41	2.89	0.65	0.10	0.02	0.10
SR 1+00E 2+00N	63	512	12	17	2	3	0.08	2.94	0.13	3.31	0.47	0.09	<0.01	0.09
SR 1+00E 2+25N	73	538	15	54	2	2	0.06	2.08	0.30	3.96	0.45	0.17	<0.01	0.20
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 1+00E 2+50N	Soil	2	—	<0.1	135	32	116	843	6	<3	4	<10	2	<0.1	18	31	193	10	33
SR 1+00E 2+75N	Soil	<2	—	<0.1	57	26	56	424	<5	<3	2	<10	<2	<0.1	11	21	111	<5	29
SR 1+00E 3+00N	Soil	<2	—	<0.1	111	45	115	1082	<5	<3	3	<10	10	<0.1	16	31	166	5	35
SR 1+00E 3+75N	Soil	<2	—	0.6	205	56	129	1013	6	<3	3	<10	20	<0.1	17	33	181	<5	28
SR 1+00E 4+00N	Soil	2	—	<0.1	227	46	121	920	7	<3	4	<10	14	<0.1	27	38	217	9	35
SR 2+00E 0+00N	Soil	<2	—	<0.1	38	33	97	320	<5	<3	1	<10	<2	<0.1	13	26	160	<5	36
SR 2+00E 0+25N	Soil	<2	—	<0.1	33	54	111	383	<5	<3	2	<10	<2	<0.1	19	32	210	<5	55
SR 2+00E 0+50N	Soil	<2	—	<0.1	34	34	71	517	<5	<3	2	<10	<2	<0.1	13	30	158	<5	29
SR 2+00E 0+75N	Soil	<2	—	<0.1	64	29	81	663	<5	<3	2	<10	<2	<0.1	20	35	256	<5	25
SR 2+00E 1+00N	Soil	<2	—	<0.1	21	28	49	136	<5	<3	3	<10	<2	<0.1	9	21	96	<5	26
SR 2+00E 1+25N	Soil	20	—	<0.1	191	49	105	1352	<5	<3	2	<10	14	<0.1	18	36	214	<5	34
SR 2+00E 1+50N	Soil	<2	—	<0.1	48	32	64	870	<5	<3	2	<10	5	<0.1	9	18	90	<5	27
SR 2+00E 2+00N	Soil	4	—	<0.1	226	54	107	1379	6	<3	2	<10	11	<0.1	13	33	140	6	30
SR 2+00E 2+25N	Soil	2	—	<0.1	135	57	120	739	<5	<3	2	<10	7	1.1	15	23	163	<5	26
SR 2+00E 2+50N	Soil	<2	—	0.5	332	35	69	1285	<5	<3	3	<10	<2	0.4	14	20	95	7	25
SR 2+00E 2+75N	Soil	<2	—	<0.1	73	76	137	731	<5	<3	5	<10	6	<0.1	16	29	224	<5	36
SR 2+00E 3+00N	Soil	<2	—	<0.1	42	28	90	433	<5	<3	4	<10	<2	<0.1	11	20	161	<5	31
SR 2+00E 3+25N	Soil	<2	—	<0.1	55	33	85	512	5	<3	4	<10	8	<0.1	10	18	130	<5	30
SR 2+00E 3+50N	Soil	<2	—	<0.1	85	43	124	612	<5	<3	3	<10	6	<0.1	15	25	185	<5	36
SR 2+00E 3+75N	Soil	<2	—	0.1	128	55	99	805	7	<3	3	<10	16	0.8	14	25	146	<5	24
SR 2+00E 4+00N	Soil	<2	—	<0.1	101	31	62	975	<5	<3	5	<10	16	<0.1	12	20	140	<5	25
SR 2+00E 4+25N	Soil	2	—	0.1	318	236	254	3467	26	<3	5	<10	144	0.3	27	49	197	<5	29
SR 2+00E 4+50N	Soil	80	—	1.2	747	554	1104	9461	64	<3	9	<10	263	11.3	47	67	173	<5	32
SR 3+00E 0+00N	Soil	<2	—	<0.1	87	37	99	689	5	<3	1	<10	<2	<0.1	14	29	195	<5	30
SR 3+00E 0+25N	Soil	<2	—	<0.1	95	52	118	1049	<5	<3	2	<10	<2	<0.1	25	37	365	<5	30
SR 3+00E 0+50N	Soil	<2	—	<0.1	141	64	144	1081	<5	<3	3	<10	4	<0.1	24	40	230	<5	36
SR 3+00E 0+75N	Soil	<2	—	<0.1	66	48	113	417	<5	<3	1	<10	<2	<0.1	13	29	130	<5	31
SR 3+00E 1+00N	Soil	20	—	<0.1	178	48	132	929	<5	<3	3	<10	22	<0.1	16	35	244	<5	32
SR 3+00E 1+25N	Soil	16	—	0.2	188	48	125	1022	5	<3	3	<10	22	<0.1	20	38	228	<5	35
SR 3+00E 1+50N	Soil	40	—	0.1	200	40	106	1055	5	<3	3	<10	26	<0.1	18	38	228	<5	30
SR 3+00E 1+75N	Soil	<2	—	<0.1	87	44	100	669	<5	<3	3	<10	5	<0.1	14	26	122	<5	28
SR 3+00E 2+00N	Soil	<2	—	<0.1	95	43	128	645	<5	<3	3	<10	2	<0.1	15	28	180	5	27
SR 3+00E 2+25N	Soil	<2	—	0.1	122	43	108	771	<5	<3	2	<10	3	<0.1	18	32	170	<5	29
SR 3+00E 2+50N	Soil	<2	—	<0.1	51	30	59	732	<5	<3	3	<10	<2	<0.1	10	19	121	5	26
SR 3+00E 2+75N	Soil	<2	—	0.2	162	51	114	670	<5	<3	4	<10	2	<0.1	16	36	181	8	28
SR 3+00E 3+00N	Soil	<2	—	<0.1	50	25	81	223	5	<3	5	<10	<2	<0.1	10	20	193	<5	39
SR 3+00E 3+25N	Soil	<2	—	<0.1	248	36	110	677	6	<3	5	<10	<2	<0.1	27	45	215	<5	37
SR 3+00E 3+50N	Soil	<2	—	<0.1	127	29	82	467	5	<3	5	<10	<2	<0.1	16	29	255	<5	34
SR 3+00E 3+75N	Soil	<2	—	<0.1	317	38	104	1088	6	<3	5	<10	9	<0.1	27	52	229	7	32
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 1+00E 2+50N	59	614	20	48	2	3	0.07	2.48	0.42	3.74	0.44	0.13	<0.01	0.22
SR 1+00E 2+75N	68	267	15	19	3	3	0.09	2.31	0.19	3.27	0.34	0.07	<0.01	0.04
SR 1+00E 3+00N	74	486	17	25	2	3	0.07	3.18	0.20	3.90	0.57	0.11	<0.01	0.08
SR 1+00E 3+75N	56	511	19	32	1	3	0.06	2.02	0.30	3.90	0.43	0.09	<0.01	0.11
SR 1+00E 4+00N	83	890	22	47	2	4	0.11	2.52	0.39	4.77	0.57	0.18	0.01	0.14
SR 2+00E 0+00N	57	475	17	32	2	3	0.07	2.74	0.48	2.96	0.73	0.12	<0.01	0.08
SR 2+00E 0+25N	98	885	17	28	3	5	0.13	3.33	0.62	3.97	1.25	0.21	<0.01	0.10
SR 2+00E 0+50N	49	363	17	25	2	3	0.07	2.43	0.34	2.71	0.63	0.11	0.01	0.07
SR 2+00E 0+75N	42	349	18	31	2	3	0.07	1.68	0.38	2.63	0.53	0.10	0.01	0.09
SR 2+00E 1+00N	52	230	13	14	1	2	0.05	2.29	0.17	2.78	0.35	0.05	<0.01	0.05
SR 2+00E 1+25N	61	610	26	30	1	3	0.05	2.66	0.48	3.97	0.62	0.07	<0.01	0.10
SR 2+00E 1+50N	62	392	12	15	1	2	0.06	2.00	0.17	3.40	0.33	0.06	<0.01	0.08
SR 2+00E 2+00N	55	353	18	30	2	3	0.08	2.27	0.36	3.39	0.52	0.10	<0.01	0.10
SR 2+00E 2+25N	47	865	22	37	1	1	0.04	2.15	0.51	2.79	0.42	0.10	<0.01	0.17
SR 2+00E 2+50N	59	515	18	24	2	2	0.06	1.71	0.38	2.91	0.32	0.07	<0.01	0.11
SR 2+00E 2+75N	84	437	19	30	4	4	0.11	3.02	0.22	4.07	0.62	0.17	<0.01	0.08
SR 2+00E 3+00N	100	267	18	23	5	3	0.16	2.14	0.14	4.48	0.48	0.16	<0.01	0.05
SR 2+00E 3+25N	110	286	13	26	5	3	0.16	1.84	0.22	3.78	0.41	0.13	<0.01	0.06
SR 2+00E 3+50N	83	433	17	26	3	4	0.10	3.58	0.28	3.91	0.53	0.10	<0.01	0.09
SR 2+00E 3+75N	51	540	15	70	2	2	0.07	2.31	0.83	2.96	0.38	0.15	0.09	0.16
SR 2+00E 4+00N	65	732	12	35	2	2	0.06	2.48	0.28	3.91	0.23	0.09	<0.01	0.13
SR 2+00E 4+25N	57	845	20	55	1	3	0.04	2.49	0.48	5.30	0.44	0.10	0.01	0.17
SR 2+00E 4+50N	77	2429	51	84	3	7	0.02	2.24	0.70	9.63	0.43	0.07	<0.01	0.20
SR 3+00E 0+00N	49	370	20	23	2	4	0.07	2.11	0.32	2.93	0.62	0.09	<0.01	0.09
SR 3+00E 0+25N	58	578	17	40	2	4	0.08	2.38	0.57	3.51	0.71	0.12	0.01	0.09
SR 3+00E 0+50N	61	832	23	45	1	4	0.07	2.93	0.85	3.88	0.79	0.11	0.02	0.11
SR 3+00E 0+75N	59	448	15	25	1	2	0.06	2.08	0.49	3.50	0.63	0.08	<0.01	0.07
SR 3+00E 1+00N	58	737	25	32	1	3	0.06	2.78	0.53	3.95	0.58	0.07	<0.01	0.10
SR 3+00E 1+25N	63	797	27	29	2	4	0.06	2.84	0.50	4.07	0.61	0.07	<0.01	0.10
SR 3+00E 1+50N	55	691	26	34	1	3	0.06	2.41	0.62	3.61	0.54	0.08	0.01	0.10
SR 3+00E 1+75N	61	486	20	23	1	2	0.06	2.03	0.28	3.38	0.41	0.07	<0.01	0.08
SR 3+00E 2+00N	51	711	22	42	1	3	0.06	1.94	0.48	3.10	0.43	0.09	0.01	0.11
SR 3+00E 2+25N	55	645	25	41	1	3	0.07	2.38	0.54	3.34	0.51	0.09	0.01	0.10
SR 3+00E 2+50N	72	260	17	26	3	2	0.11	1.79	0.22	3.37	0.29	0.08	<0.01	0.06
SR 3+00E 2+75N	60	396	22	44	3	4	0.09	2.01	0.43	3.55	0.57	0.16	0.01	0.13
SR 3+00E 3+00N	119	302	15	40	8	4	0.17	2.62	0.20	3.88	0.91	0.41	<0.01	0.08
SR 3+00E 3+25N	89	471	19	102	5	5	0.11	3.90	0.43	5.44	0.84	0.32	0.03	0.18
SR 3+00E 3+50N	76	445	18	94	5	4	0.13	2.71	0.71	4.85	0.71	0.43	0.10	0.17
SR 3+00E 3+75N	69	549	18	74	2	4	0.08	3.49	0.35	5.66	0.55	0.12	0.04	0.17
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 3+00E 4+00N	Soil	<2	—	0.6	115	25	58	467	5	<3	4	<10	7	<0.1	11	21	181	<5	30
SR 4+00E 0+00N	Soil	<2	—	0.2	101	29	89	951	<5	<3	3	<10	<2	<0.1	16	29	163	<5	32
SR 4+00E 0+25N	Soil	<2	—	0.1	63	28	84	867	<5	<3	2	<10	<2	<0.1	10	23	133	<5	29
SR 4+00E 0+50N	Soil	<2	—	0.3	75	36	99	585	<5	<3	2	<10	<2	<0.1	12	26	142	<5	30
SR 4+00E 0+75N	Soil	<2	—	0.3	105	42	92	1199	<5	<3	3	<10	<2	<0.1	14	30	134	6	35
SR 4+00E 1+00N	Soil	<2	—	0.4	103	40	111	767	<5	<3	2	<10	<2	<0.1	14	26	151	<5	33
SR 4+00E 1+25N	Soil	<2	—	0.4	109	38	102	896	<5	<3	2	<10	2	0.1	15	24	118	6	27
SR 4+00E 1+50N	Soil	<2	—	0.5	151	40	87	811	<5	<3	2	<10	<2	<0.1	14	25	145	<5	25
SR 4+00E 1+75N	Soil	<2	—	0.6	141	38	98	653	<5	<3	2	<10	<2	<0.1	15	35	175	5	29
SR 4+00E 2+00N	Soil	2	—	0.5	136	29	92	580	<5	<3	2	<10	<2	<0.1	14	33	158	<5	25
SR 4+00E 2+25N	Soil	<2	—	0.2	46	31	67	319	<5	<3	2	<10	<2	<0.1	8	20	105	<5	23
SR 4+00E 2+50N	Soil	<2	—	0.4	120	29	106	468	6	<3	3	<10	<2	<0.1	16	35	218	<5	33
SR 4+00E 2+75N	Soil	<2	—	0.4	85	38	98	454	<5	<3	4	<10	13	<0.1	17	29	190	<5	43
SR 4+00E 3+00N	Soil	<2	—	0.4	45	29	70	351	<5	<3	4	<10	<2	<0.1	12	22	117	6	30
SR 4+00E 3+25N	Soil	<2	—	0.3	50	28	66	295	<5	<3	3	<10	<2	<0.1	13	26	155	<5	35
SR 4+00E 3+50N	Soil	<2	—	0.3	57	30	94	299	<5	<3	3	<10	<2	<0.1	11	26	146	<5	33
SR 4+00E 3+75N	Soil	<2	—	0.3	55	23	75	246	<5	<3	2	<10	<2	<0.1	14	30	221	<5	36
SR 4+00E 4+00N	Soil	<2	—	0.2	31	18	61	127	<5	<3	2	<10	<2	<0.1	8	20	94	<5	30
SR 4+00E 4+25N	Soil	<2	—	0.3	34	21	65	99	<5	<3	3	<10	<2	<0.1	9	19	166	<5	32
SR 4+00E 4+50N	Soil	<2	—	0.5	59	27	71	157	<5	<3	5	<10	<2	<0.1	15	25	196	<5	41
SR 4+00E 4+75N	Soil	<2	—	0.4	126	37	121	460	5	<3	4	<10	<2	<0.1	17	39	240	<5	39
SR 5+00E 0+00N	Soil	<2	—	0.4	124	35	105	1222	<5	<3	2	<10	<2	<0.1	19	37	175	<5	36
SR 5+00E 0+25N	Soil	<2	—	0.5	156	33	107	1026	<5	<3	3	<10	<2	<0.1	18	38	207	<5	35
SR 5+00E 0+50N	Soil	<2	—	0.5	138	31	100	951	<5	<3	3	<10	<2	<0.1	19	34	203	<5	35
SR 5+00E 0+75N	Soil	<2	—	0.5	138	33	106	927	5	<3	2	<10	<2	<0.1	18	38	189	6	34
SR 5+00E 1+00N	Soil	<2	—	0.5	134	30	102	909	<5	<3	4	<10	<2	<0.1	19	38	204	<5	34
SR 5+00E 1+25N	Soil	<2	—	0.4	109	25	87	789	<5	<3	2	<10	<2	<0.1	14	31	153	<5	30
SR 5+00E 1+50N	Soil	<2	—	0.3	59	23	56	718	<5	<3	3	<10	<2	<0.1	9	18	98	<5	27
SR 5+00E 2+00N	Soil	<2	—	0.5	110	28	67	724	<5	<3	3	<10	<2	<0.1	13	26	156	<5	27
SR 5+00E 2+25N	Soil	<2	—	0.3	118	26	85	757	<5	<3	3	<10	<2	<0.1	12	28	149	7	27
SR 5+00E 2+50N	Soil	<2	—	0.5	148	24	70	718	<5	<3	2	<10	<2	<0.1	12	28	158	<5	24
SR 5+00E 2+75N	Soil	<2	—	0.4	89	29	56	600	<5	<3	2	<10	<2	<0.1	10	22	133	<5	24
SR 5+00E 3+00N	Soil	2	—	0.4	133	24	74	623	<5	<3	3	<10	<2	<0.1	14	32	153	5	27
SR 5+00E 3+50N	Soil	<2	—	0.4	104	21	82	510	<5	<3	2	<10	<2	<0.1	14	35	166	<5	29
SR 5+00E 3+75N	Soil	<2	—	0.4	41	20	53	172	<5	<3	3	<10	<2	<0.1	11	19	129	<5	33
SR 5+00E 4+00N	Soil	<2	—	0.3	37	24	53	259	<5	<3	4	<10	<2	<0.1	11	18	122	<5	30
SR 5+00E 4+25N	Soil	<2	—	0.3	37	26	54	224	<5	<3	3	<10	<2	<0.1	11	21	139	<5	32
SR 5+00E 4+50N	Soil	<2	—	0.5	78	27	71	215	8	<3	6	<10	<2	<0.1	13	29	208	5	30
SR 5+00E 4+75N	Soil	<2	—	0.5	55	22	108	186	<5	<3	4	<10	<2	<0.1	10	26	149	5	31
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
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330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 3+00E 4+00N	67	417	11	58	1	1	0.03	2.75	0.47	3.40	0.52	0.09	0.02	0.19
SR 4+00E 0+00N	59	643	18	22	1	2	0.05	2.30	0.26	3.67	0.61	0.07	<0.01	0.07
SR 4+00E 0+25N	51	312	14	19	1	2	0.05	1.95	0.24	3.08	0.55	0.06	<0.01	0.06
SR 4+00E 0+50N	50	707	21	25	1	2	0.05	2.21	0.38	2.95	0.59	0.08	<0.01	0.09
SR 4+00E 0+75N	61	401	21	18	2	3	0.05	2.39	0.22	3.31	0.59	0.08	<0.01	0.07
SR 4+00E 1+00N	57	517	24	24	2	3	0.07	2.59	0.36	3.08	0.57	0.10	<0.01	0.08
SR 4+00E 1+25N	49	773	29	27	1	2	0.05	2.15	0.36	2.87	0.45	0.08	0.01	0.09
SR 4+00E 1+50N	45	475	26	25	2	3	0.07	1.87	0.35	2.69	0.47	0.10	<0.01	0.08
SR 4+00E 1+75N	52	447	20	34	2	3	0.06	2.23	0.41	3.26	0.58	0.07	<0.01	0.09
SR 4+00E 2+00N	45	470	22	26	1	3	0.06	1.93	0.34	2.83	0.49	0.09	<0.01	0.08
SR 4+00E 2+25N	55	304	11	30	2	2	0.07	1.67	0.41	2.89	0.37	0.06	<0.01	0.05
SR 4+00E 2+50N	63	510	19	37	2	4	0.08	2.70	0.46	3.63	0.61	0.09	0.01	0.11
SR 4+00E 2+75N	86	705	23	26	3	4	0.10	3.03	0.27	4.66	0.65	0.08	<0.01	0.09
SR 4+00E 3+00N	78	407	16	22	3	3	0.12	2.26	0.23	3.67	0.44	0.08	<0.01	0.06
SR 4+00E 3+25N	84	461	20	25	3	4	0.12	2.93	0.27	3.89	0.49	0.10	<0.01	0.07
SR 4+00E 3+50N	76	501	15	25	2	3	0.10	2.74	0.23	3.95	0.46	0.08	<0.01	0.08
SR 4+00E 3+75N	72	406	20	27	2	5	0.10	3.08	0.29	3.57	0.60	0.09	<0.01	0.06
SR 4+00E 4+00N	77	215	14	15	3	3	0.12	2.30	0.12	3.38	0.39	0.07	<0.01	0.05
SR 4+00E 4+25N	85	303	13	24	6	4	0.12	2.95	0.19	3.37	0.52	0.17	<0.01	0.08
SR 4+00E 4+50N	113	314	12	37	11	6	0.17	3.38	0.19	4.35	0.93	0.30	<0.01	0.08
SR 4+00E 4+75N	72	688	17	37	2	3	0.07	3.97	0.32	4.35	0.62	0.12	0.01	0.13
SR 5+00E 0+00N	64	773	20	25	1	3	0.05	2.45	0.36	3.91	0.67	0.08	<0.01	0.08
SR 5+00E 0+25N	65	663	22	30	1	3	0.07	2.59	0.38	4.05	0.68	0.09	<0.01	0.09
SR 5+00E 0+50N	67	786	22	27	1	3	0.07	2.61	0.29	4.05	0.67	0.08	<0.01	0.09
SR 5+00E 0+75N	65	640	22	29	1	3	0.07	2.59	0.34	3.93	0.64	0.09	<0.01	0.09
SR 5+00E 1+00N	64	726	21	30	1	3	0.06	2.57	0.38	3.88	0.64	0.09	<0.01	0.09
SR 5+00E 1+25N	57	486	20	22	1	2	0.06	2.20	0.26	3.38	0.56	0.09	<0.01	0.07
SR 5+00E 1+50N	60	295	16	16	1	2	0.06	1.83	0.13	3.42	0.41	0.06	<0.01	0.05
SR 5+00E 2+00N	55	392	18	23	1	2	0.06	2.05	0.23	3.31	0.49	0.06	<0.01	0.08
SR 5+00E 2+25N	53	430	17	26	1	2	0.06	2.14	0.33	3.17	0.50	0.09	<0.01	0.10
SR 5+00E 2+50N	46	356	22	30	2	3	0.07	1.76	0.38	2.86	0.47	0.10	0.01	0.11
SR 5+00E 2+75N	50	356	17	30	2	2	0.07	2.06	0.34	2.89	0.39	0.09	0.01	0.10
SR 5+00E 3+00N	53	434	22	29	1	3	0.08	2.16	0.37	3.12	0.50	0.10	0.01	0.12
SR 5+00E 3+50N	57	432	22	27	2	3	0.08	2.29	0.32	3.19	0.53	0.10	<0.01	0.10
SR 5+00E 3+75N	80	437	15	19	4	3	0.12	3.22	0.17	3.25	0.43	0.11	<0.01	0.08
SR 5+00E 4+00N	105	295	14	19	5	3	0.17	2.02	0.18	3.76	0.44	0.12	<0.01	0.06
SR 5+00E 4+25N	85	273	14	18	3	3	0.12	2.37	0.15	3.55	0.55	0.12	<0.01	0.06
SR 5+00E 4+50N	75	528	16	60	6	3	0.12	2.20	0.86	3.38	0.51	0.29	0.09	0.16
SR 5+00E 4+75N	70	427	13	24	1	2	0.07	2.62	0.24	3.56	0.52	0.09	<0.01	0.09
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 5+00E 5+00N	Soil	<2	—	0.5	81	41	119	118	10	<3	2	<10	<2	<0.1	14	29	189	<5	29
SR 5+00E 5+25N	Soil	<2	—	0.5	62	22	74	208	5	<3	5	<10	<2	<0.1	15	27	185	<5	36
SR 5+00E 5+50N	Soil	<2	—	0.5	53	15	74	162	<5	<3	3	<10	<2	<0.1	12	26	170	<5	35
SR 6+00E 0+00N	Soil	<2	—	0.6	111	35	97	1015	5	<3	2	<10	<2	<0.1	14	30	163	<5	31
SR 6+00E 0+25N	Soil	2	—	0.5	197	37	110	1521	5	<3	2	<10	5	<0.1	18	38	169	<5	32
SR 6+00E 0+50N	Soil	2	—	0.5	218	39	119	1440	6	<3	2	<10	3	<0.1	18	39	188	<5	31
SR 6+00E 0+75N	Soil	<2	—	0.4	116	30	100	767	<5	<3	3	<10	<2	<0.1	14	28	146	<5	30
SR 6+00E 1+00N	Soil	<2	—	0.5	218	35	108	1291	9	<3	3	<10	8	<0.1	19	38	202	5	30
SR 6+00E 1+25N	Soil	<2	—	0.6	217	32	112	1252	7	<3	3	<10	8	<0.1	19	36	195	<5	29
SR 6+00E 1+50N	Soil	<2	—	0.5	212	31	105	1201	7	<3	2	<10	5	<0.1	19	36	193	<5	29
SR 6+00E 1+75N	Soil	<2	—	0.4	214	31	107	1197	7	<3	2	<10	<2	<0.1	19	38	207	<5	30
SR 6+00E 2+00N	Soil	<2	—	0.4	214	33	102	1085	6	<3	2	<10	4	<0.1	21	41	262	<5	32
SR 6+00E 2+25N	Soil	<2	—	0.4	168	30	97	938	6	<3	2	<10	<2	<0.1	19	40	213	<5	33
SR 6+00E 2+50N	Soil	<2	—	0.3	208	39	110	1059	8	<3	3	<10	<2	<0.1	21	45	232	<5	34
SR 6+00E 2+75N	Soil	2	—	0.5	251	40	125	1078	8	<3	3	<10	<2	<0.1	22	41	256	<5	33
SR 6+00E 3+00N	Soil	2	—	0.5	203	34	115	847	9	<3	3	<10	<2	<0.1	19	37	212	<5	29
SR 6+00E 3+25N	Soil	<2	—	0.6	202	36	109	813	8	<3	2	<10	4	<0.1	18	36	216	<5	31
SR 6+00E 3+50N	Soil	<2	—	0.3	28	15	51	299	<5	<3	2	<10	<2	<0.1	8	18	102	5	23
SR 6+00E 3+75N	Soil	<2	—	0.4	62	39	65	704	<5	<3	2	<10	<2	<0.1	11	24	137	<5	26
SR 6+00E 4+00N	Soil	<2	—	0.2	33	18	65	207	<5	<3	2	<10	<2	<0.1	11	26	129	<5	27
SR 6+00E 5+00N	Soil	<2	—	0.4	109	28	104	503	7	<3	2	<10	<2	<0.1	12	21	198	8	28
SR 6+00E 5+25N	Soil	2	—	0.5	273	40	126	1125	12	<3	2	<10	3	<0.1	22	41	216	10	24
SR 6+00E 5+50N	Soil	2	—	0.4	294	38	116	1128	13	<3	2	<10	<2	<0.1	23	43	235	17	25
SR 7+00E 0+00N	Soil	<2	—	4.2	104	898	324	251	6	<3	2	<10	<2	<0.1	13	32	150	<5	32
SR 7+00E 0+25N	Soil	<2	—	0.3	36	40	60	190	<5	<3	2	<10	<2	<0.1	8	20	84	<5	27
SR 7+00E 0+50N	Soil	<2	—	0.4	174	34	98	1373	<5	<3	2	<10	<2	<0.1	13	29	148	<5	31
SR 7+00E 0+75N	Soil	2	—	0.5	288	40	128	2194	5	<3	2	<10	15	<0.1	18	36	211	<5	34
SR 7+00E 1+00N	Soil	<2	—	0.5	255	37	108	1889	<5	<3	1	<10	13	<0.1	16	32	165	<5	30
SR 7+00E 1+25N	Soil	<2	—	0.5	211	38	108	1400	<5	<3	2	<10	7	<0.1	15	32	187	<5	32
SR 7+00E 1+50N	Soil	<2	—	0.2	72	28	76	929	<5	<3	4	<10	<2	<0.1	15	24	91	5	34
SR 7+00E 1+75N	Soil	<2	—	0.2	24	20	58	160	<5	<3	3	<10	<2	<0.1	12	23	149	<5	34
SR 7+00E 2+00N	Soil	2	—	0.4	84	37	92	1380	<5	<3	2	<10	3	<0.1	20	30	141	<5	30
SR 7+00E 2+25N	Soil	<2	—	0.3	41	23	48	589	<5	<3	2	<10	<2	<0.1	11	22	104	<5	28
SR 7+00E 2+50N	Soil	4	—	0.4	205	33	115	1083	5	<3	2	<10	3	<0.1	19	36	209	6	33
SR 7+00E 2+75N	Soil	6	—	0.5	250	34	130	1266	6	<3	3	<10	4	<0.1	21	46	220	<5	32
SR 7+00E 3+00N	Soil	2	—	0.5	207	34	122	1034	5	<3	3	<10	9	<0.1	19	34	219	<5	30
SR 7+00E 3+25N	Soil	12	—	0.4	221	37	115	951	7	<3	3	<10	<2	<0.1	19	37	234	<5	29
SR 7+00E 3+50N	Soil	6	—	0.5	261	39	118	922	7	<3	3	<10	6	<0.1	20	37	243	<5	28
SR 7+00E 3+75N	Soil	4	—	0.5	222	30	95	943	6	<3	2	<10	2	<0.1	15	32	173	5	24
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 5+00E 5+00N	61	931	12	68	3	4	0.11	2.69	1.19	3.91	0.57	0.39	0.07	0.12
SR 5+00E 5+25N	91	386	14	31	4	4	0.13	3.51	0.20	3.94	0.59	0.16	<0.01	0.10
SR 5+00E 5+50N	88	301	15	31	4	4	0.12	2.81	0.17	4.15	0.67	0.14	<0.01	0.08
SR 6+00E 0+00N	53	580	18	25	1	3	0.05	2.17	0.56	3.04	0.64	0.09	<0.01	0.09
SR 6+00E 0+25N	62	643	20	36	1	3	0.07	2.55	0.64	4.01	0.68	0.09	<0.01	0.10
SR 6+00E 0+50N	60	735	21	37	1	3	0.07	2.59	0.52	4.22	0.67	0.08	<0.01	0.11
SR 6+00E 0+75N	58	549	18	25	1	2	0.05	2.52	0.30	3.98	0.48	0.08	<0.01	0.08
SR 6+00E 1+00N	57	809	20	38	1	3	0.06	2.60	0.46	4.29	0.65	0.07	<0.01	0.11
SR 6+00E 1+25N	54	823	21	36	1	3	0.05	2.51	0.51	4.14	0.63	0.07	<0.01	0.10
SR 6+00E 1+50N	54	763	20	34	1	3	0.05	2.48	0.53	4.11	0.63	0.06	<0.01	0.10
SR 6+00E 1+75N	56	753	21	38	1	3	0.06	2.46	0.47	4.10	0.64	0.08	<0.01	0.09
SR 6+00E 2+00N	61	999	22	45	1	4	0.07	2.75	0.59	4.29	0.69	0.08	<0.01	0.11
SR 6+00E 2+25N	65	708	22	30	1	3	0.06	2.73	0.34	4.25	0.68	0.08	<0.01	0.08
SR 6+00E 2+50N	70	766	21	39	1	4	0.07	3.11	0.50	4.80	0.72	0.08	<0.01	0.10
SR 6+00E 2+75N	66	825	23	58	2	4	0.09	2.95	0.93	4.52	0.74	0.15	0.02	0.12
SR 6+00E 3+00N	58	653	23	55	2	4	0.07	2.32	0.85	3.96	0.56	0.11	0.02	0.12
SR 6+00E 3+25N	62	639	22	47	1	3	0.07	2.85	0.75	4.26	0.61	0.09	0.01	0.12
SR 6+00E 3+50N	54	217	13	16	1	2	0.07	1.73	0.17	2.62	0.31	0.05	<0.01	0.04
SR 6+00E 3+75N	55	347	16	19	2	3	0.07	2.15	0.24	3.11	0.38	0.07	<0.01	0.05
SR 6+00E 4+00N	57	325	14	16	2	3	0.07	2.46	0.20	3.09	0.42	0.06	<0.01	0.04
SR 6+00E 5+00N	62	709	15	56	1	2	0.08	1.90	0.80	4.04	0.61	0.12	0.02	0.09
SR 6+00E 5+25N	49	906	22	72	1	3	0.06	2.38	0.88	4.79	0.52	0.15	0.04	0.11
SR 6+00E 5+50N	52	933	28	83	1	3	0.07	2.38	0.98	5.04	0.50	0.14	0.06	0.13
SR 7+00E 0+00N	62	510	19	27	1	3	0.06	2.55	0.34	3.34	0.54	0.09	<0.01	0.08
SR 7+00E 0+25N	52	226	15	14	1	2	0.06	2.02	0.16	2.81	0.36	0.07	<0.01	0.05
SR 7+00E 0+50N	56	535	21	25	1	3	0.06	2.43	0.34	3.28	0.50	0.08	<0.01	0.08
SR 7+00E 0+75N	57	827	25	37	1	3	0.07	2.47	0.85	3.73	0.61	0.10	<0.01	0.10
SR 7+00E 1+00N	52	676	21	29	1	2	0.06	2.09	0.67	3.37	0.55	0.09	<0.01	0.09
SR 7+00E 1+25N	54	669	24	28	1	2	0.05	2.31	0.51	3.47	0.55	0.08	<0.01	0.12
SR 7+00E 1+50N	70	325	15	14	2	3	0.05	2.15	0.14	3.28	0.39	0.07	<0.01	0.06
SR 7+00E 1+75N	68	315	16	15	2	4	0.08	2.23	0.20	3.51	0.41	0.08	<0.01	0.04
SR 7+00E 2+00N	55	1391	19	31	1	3	0.06	3.16	0.51	3.30	0.38	0.09	<0.01	0.14
SR 7+00E 2+25N	60	288	15	17	1	3	0.08	2.07	0.25	2.96	0.34	0.06	<0.01	0.05
SR 7+00E 2+50N	64	769	19	42	1	3	0.07	2.52	0.68	4.02	0.62	0.10	0.01	0.12
SR 7+00E 2+75N	62	757	23	50	1	4	0.08	2.67	0.76	4.02	0.65	0.11	0.02	0.13
SR 7+00E 3+00N	57	845	19	49	1	3	0.07	2.57	0.91	3.89	0.57	0.11	0.02	0.14
SR 7+00E 3+25N	57	925	20	49	1	3	0.07	2.64	0.59	4.08	0.53	0.09	0.02	0.13
SR 7+00E 3+50N	54	976	21	52	1	3	0.06	2.69	0.71	4.11	0.57	0.09	0.03	0.14
SR 7+00E 3+75N	43	601	18	46	1	2	0.05	2.23	0.75	3.41	0.46	0.07	0.02	0.12
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICA[illegible] OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 7+00E 4+00N	Soil	2	—	0.3	111	31	83	902	<5	<3	3	<10	<2	<0.1	13	30	160	9	28
SR 7+00E 4+25N	Soil	8	—	0.5	270	36	112	955	9	<3	2	<10	6	<0.1	18	40	232	<5	26
SR 7+00E 4+50N	Soil	4	—	0.4	279	35	115	969	8	<3	3	<10	4	<0.1	21	44	241	<5	24
SR 7+00E 4+75N	Soil	12	—	0.4	286	33	117	830	7	<3	2	<10	6	<0.1	18	42	230	<5	26
SR 7+00E 5+00N	Soil	8	—	0.4	255	12	95	189	<5	<3	5	<10	<2	<0.1	20	54	201	<5	32
SR 7+00E 5+25N	Soil	<2	—	0.3	29	25	97	69	<5	<3	3	<10	<2	<0.1	12	18	121	8	31
SR 7+00E 5+75N	Soil	4	—	0.3	70	18	90	100	<5	<3	3	<10	<2	<0.1	16	37	215	<5	32
SR 8+00E 1+00N	Soil	2	—	0.1	24	20	81	179	<5	<3	1	<10	<2	<0.1	10	23	123	<5	27
SR 8+00E 1+25N	Soil	6	—	0.4	102	19	79	474	<5	<3	2	<10	<2	<0.1	11	29	164	<5	26
SR 8+00E 1+50N	Soil	30	—	0.5	105	26	83	617	<5	<3	1	<10	<2	<0.1	12	30	163	<5	26
SR 8+00E 1+75N	Soil	4	—	0.2	84	22	78	586	<5	<3	1	<10	<2	<0.1	10	25	132	<5	25
SR 8+00E 2+00N	Soil	6	—	0.3	83	27	81	775	<5	<3	1	<10	3	<0.1	11	25	144	<5	27
SR 8+00E 2+25N	Soil	8	—	0.3	66	24	85	750	<5	<3	2	<10	<2	<0.1	11	23	122	<5	25
SR 8+00E 2+50N	Soil	14	—	0.5	310	40	126	2217	5	<3	1	<10	17	<0.1	17	34	190	<5	32
SR 8+00E 2+75N	Soil	20	—	0.5	355	40	126	2492	<5	<3	2	<10	19	<0.1	18	39	200	<5	34
SR 8+00E 3+00N	Soil	22	—	0.6	285	38	125	2141	6	<3	2	<10	12	<0.1	17	37	195	<5	34
SR 8+00E 3+25N	Soil	16	—	0.3	322	41	162	1982	6	<3	2	<10	13	<0.1	20	41	189	<5	34
SR 8+00E 3+50N	Soil	12	—	0.5	277	42	175	1840	5	<3	2	<10	7	<0.1	20	41	170	<5	33
SR 8+00E 3+75N	Soil	24	—	0.5	302	44	176	1714	6	<3	2	<10	9	<0.1	21	43	173	<5	34
SR 8+00E 4+00N	Soil	22	—	0.4	259	43	165	1387	6	<3	3	<10	8	<0.1	20	41	168	6	34
SR 8+00E 4+25N	Soil	2	—	0.5	314	44	218	1658	8	<3	3	<10	4	<0.1	20	52	194	<5	40
SR 8+00E 4+50N	Soil	<2	—	0.4	292	41	203	1394	7	<3	3	<10	3	<0.1	23	48	190	5	37
SR 8+00E 4+75N	Soil	36	—	0.4	197	36	124	755	5	<3	2	<10	4	<0.1	15	33	131	5	28
SR 8+00E 5+00N	Soil	<2	—	0.3	30	20	98	90	<5	<3	3	<10	<2	<0.1	10	18	120	<5	35
SR 8+00E 5+25N	Soil	<2	—	0.3	64	19	82	250	<5	<3	2	<10	<2	<0.1	14	29	202	<5	35
SR 8+00E 5+50N	Soil	2	—	0.4	97	38	87	484	<5	<3	2	<10	<2	0.2	9	15	115	<5	20
SR 8+00E 5+75N	Soil	<2	—	0.4	102	24	85	573	<5	<3	2	<10	<2	0.3	13	17	124	<5	21
SR 8+00E 6+25N	Soil	<2	—	0.6	204	45	172	1123	6	<3	2	<10	15	<0.1	21	33	134	<5	24
SR 8+00E 6+50N	Soil	<2	—	0.5	110	31	118	1057	<5	<3	1	<10	2	<0.1	16	31	184	5	30
SR 8+00E 7+00N	Soil	2	—	0.5	271	31	87	2174	6	<3	2	<10	11	<0.1	21	37	153	<5	29
SR 8+00E 7+25N	Soil	4	—	0.5	240	20	75	1813	<5	<3	2	<10	<2	<0.1	19	32	297	<5	43
SR 8+00E 7+50N	Soil	4	—	0.4	193	40	169	2176	<5	<3	2	<10	2	<0.1	31	46	173	<5	36
SR 8+00E 7+75N	Soil	<2	—	0.4	201	45	168	2541	7	<3	1	<10	12	<0.1	41	61	232	8	34
SR 8+00E 8+00N	Soil	<2	—	0.6	174	58	154	1802	7	<3	2	<10	29	<0.1	25	33	159	<5	28
SR 8+00E 8+25N	Soil	<2	—	0.5	110	32	85	593	5	<3	3	<10	2	0.8	18	22	114	<5	21
SR 1+00W 0+00N (A)	Soil	<2	—	0.4	59	26	73	756	8	<3	2	<10	<2	<0.1	11	22	130	<5	44
SR 1+00W 0+00N (B)	Soil	2	—	0.5	87	66	123	294	<5	<3	2	<10	<2	<0.1	23	36	413	<5	34
SR 1+00W 0+25N	Soil	<2	—	0.5	68	51	101	191	<5	<3	2	<10	<2	<0.1	15	31	268	<5	30
SR 1+00W 0+50N	Soil	<2	—	0.5	53	35	103	158	<5	<3	3	<10	<2	<0.1	18	36	181	<5	23
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 98G0634

2036 Columbia Street
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Phone (604) 879-7878
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Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 7+00E 4+00N	58	384	17	29	1	2	0.06	2.36	0.38	4.46	0.47	0.06	<0.01	0.09
SR 7+00E 4+25N	49	741	21	59	1	3	0.06	2.57	0.74	4.08	0.55	0.10	0.03	0.13
SR 7+00E 4+50N	48	829	21	68	2	3	0.06	2.42	0.78	4.25	0.52	0.12	0.04	0.14
SR 7+00E 4+75N	51	552	23	54	1	4	0.07	2.31	0.63	4.16	0.56	0.11	0.03	0.14
SR 7+00E 5+00N	70	443	23	50	2	4	0.09	1.93	0.75	4.00	0.54	0.15	0.01	0.33
SR 7+00E 5+25N	78	404	11	15	3	3	0.14	2.68	0.20	3.04	0.36	0.09	<0.01	0.07
SR 7+00E 5+75N	75	331	15	32	2	4	0.14	2.71	0.26	3.98	0.62	0.14	<0.01	0.07
SR 8+00E 1+00N	58	415	12	15	1	2	0.05	1.86	0.16	3.10	0.39	0.05	<0.01	0.05
SR 8+00E 1+25N	45	434	21	23	2	3	0.06	1.88	0.32	2.62	0.48	0.07	<0.01	0.09
SR 8+00E 1+50N	46	443	24	28	2	3	0.07	1.90	0.37	2.61	0.48	0.09	<0.01	0.09
SR 8+00E 1+75N	42	350	20	22	2	3	0.06	1.94	0.30	2.52	0.46	0.06	<0.01	0.09
SR 8+00E 2+00N	50	548	18	20	1	2	0.04	2.32	0.28	2.93	0.46	0.07	<0.01	0.09
SR 8+00E 2+25N	44	675	15	24	1	1	0.04	2.00	0.43	2.67	0.41	0.07	<0.01	0.11
SR 8+00E 2+50N	55	645	24	35	1	3	0.07	2.28	0.64	3.63	0.64	0.09	<0.01	0.09
SR 8+00E 2+75N	59	636	28	37	1	4	0.09	2.40	0.57	3.85	0.69	0.09	0.01	0.09
SR 8+00E 3+00N	60	580	22	35	1	4	0.09	2.28	0.65	3.76	0.71	0.08	<0.01	0.09
SR 8+00E 3+25N	60	720	25	43	1	4	0.09	2.47	0.76	3.95	0.73	0.10	0.01	0.10
SR 8+00E 3+50N	62	727	22	38	2	3	0.08	2.36	0.70	4.11	0.71	0.08	<0.01	0.10
SR 8+00E 3+75N	63	714	22	40	1	3	0.09	2.45	0.67	4.08	0.76	0.09	<0.01	0.10
SR 8+00E 4+00N	61	659	21	42	2	4	0.10	2.28	0.68	3.79	0.73	0.12	0.01	0.08
SR 8+00E 4+25N	73	462	23	42	2	5	0.11	2.87	0.59	4.73	0.87	0.11	0.01	0.11
SR 8+00E 4+50N	69	603	24	47	2	5	0.11	2.73	0.61	4.48	0.84	0.10	0.01	0.11
SR 8+00E 4+75N	53	444	22	35	1	3	0.10	2.18	0.51	3.05	0.61	0.10	0.02	0.08
SR 8+00E 5+00N	84	378	14	17	2	3	0.14	2.12	0.18	3.70	0.52	0.10	<0.01	0.06
SR 8+00E 5+25N	71	459	20	26	2	5	0.14	2.50	0.33	3.11	0.79	0.11	0.01	0.06
SR 8+00E 5+50N	31	981	23	64	<1	1	0.04	2.03	1.19	2.15	0.25	0.09	0.11	0.13
SR 8+00E 5+75N	35	1120	15	44	1	1	0.03	1.38	1.36	2.37	0.33	0.06	0.02	0.14
SR 8+00E 6+25N	43	717	19	59	1	3	0.07	1.99	1.08	3.70	0.69	0.07	0.04	0.09
SR 8+00E 6+50N	63	411	16	44	1	4	0.11	2.06	0.50	3.50	0.63	0.13	0.02	0.09
SR 8+00E 7+00N	55	573	23	37	1	3	0.09	1.90	0.76	3.12	0.57	0.11	0.03	0.09
SR 8+00E 7+25N	97	274	17	24	1	8	0.27	2.21	0.35	3.63	1.13	0.63	0.01	0.06
SR 8+00E 7+50N	70	702	24	41	1	4	0.12	2.15	0.60	3.67	0.70	0.16	0.02	0.10
SR 8+00E 7+75N	68	796	27	53	1	4	0.14	1.90	0.93	4.23	0.69	0.24	0.03	0.09
SR 8+00E 8+00N	43	1086	30	50	1	2	0.05	1.71	0.99	3.05	0.45	0.07	0.04	0.16
SR 8+00E 8+25N	35	945	24	46	1	2	0.05	1.19	1.56	2.02	0.28	0.08	0.04	0.14
SR 1+00W 0+00N (A)	52	269	14	45	3	2	0.05	1.91	1.20	2.48	0.67	0.10	0.01	0.16
SR 1+00W 0+00N (B)	74	540	24	50	3	5	0.12	2.80	0.63	3.63	0.86	0.24	0.02	0.11
SR 1+00W 0+25N	61	338	20	31	3	4	0.09	2.51	0.45	3.31	0.67	0.17	<0.01	0.08
SR 1+00W 0+50N	47	351	17	34	3	3	0.07	1.73	0.50	3.11	0.55	0.14	0.01	0.08
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 1+00W 0+75N	Soil	2	—	0.5	76	61	127	528	5	<3	2	<10	<2	<0.1	19	34	215	<5	32
SR 1+00W 1+25N	Soil	<2	—	0.4	123	40	137	671	<5	<3	2	<10	<2	<0.1	16	35	178	<5	48
SR 1+00W 1+50N	Soil	10	—	0.4	130	50	106	783	<5	<3	2	<10	2	<0.1	14	30	202	<5	28
SR 1+00W 1+75N	Soil	14	—	0.5	164	60	136	802	5	<3	2	<10	3	<0.1	18	38	204	<5	29
SR 1+00W 2+00N	Soil	6	—	0.5	127	80	277	551	7	<3	3	<10	<2	<0.1	20	45	170	7	28
SR 1+00W 2+25N	Soil	4	—	0.5	102	59	214	559	<5	<3	2	<10	<2	0.6	21	38	153	<5	28
SR 1+00W 2+50N	Soil	50	—	0.5	97	59	242	509	<5	<3	1	<10	<2	1.7	15	37	149	<5	26
SR 1+00W 2+75N	Soil	12	—	0.3	97	31	91	412	5	<3	2	<10	3	<0.1	11	27	147	<5	23
SR 1+00W 3+00N	Soil	8	—	0.6	96	53	115	482	6	<3	3	<10	<2	0.1	14	34	192	7	27
SR 1+00W 3+25N	Soil	2	—	0.5	112	48	124	502	<5	<3	2	<10	3	0.2	13	36	177	<5	25
SR 1+00W 3+50N	Soil	<2	—	0.4	59	59	72	363	5	<3	3	<10	<2	<0.1	10	20	118	<5	29
SR 1+00W 3+75N	Soil	10	—	1.2	218	213	141	911	9	<3	4	<10	7	<0.1	16	34	175	<5	31
SR 1+00W 4+00N	Soil	<2	—	0.6	80	46	79	421	5	<3	3	<10	4	<0.1	12	25	152	7	30
SR 1+00W 4+25N	Soil	2	—	0.4	88	55	78	453	<5	<3	3	<10	7	<0.1	13	27	164	<5	31
SR 1+00W 4+50N	Soil	46	—	0.4	79	54	80	470	<5	<3	3	<10	3	<0.1	11	21	135	<5	33
SR 1+00W 4+75N	Soil	<2	—	0.4	84	38	105	403	<5	<3	3	<10	4	<0.1	11	23	126	<5	31
SR 1+00W 5+00N	Soil	<2	—	0.7	109	42	85	469	7	<3	4	<10	<2	<0.1	9	23	123	15	27
SR 1+00W 5+25N	Soil	32	—	1.1	816	55	99	2614	22	<3	3	<10	7	<0.1	43	72	221	82	26
SR 1+00W 5+50N	Soil	<2	—	0.8	113	37	63	339	9	<3	2	<10	<2	<0.1	9	17	128	8	19
SR 1+00W 5+75N	Soil	540	—	1.0	591	29	87	1106	5	<3	2	<10	164	<0.1	18	19	169	6	26
SR 1+00W 6+00N	Soil	2060	2.06	6.4	3843	28	110	7452	10	<3	4	<10	228	<0.1	19	39	99	64	19
SR 2+00W 0+00N	Soil	6	—	0.5	116	74	121	603	9	<3	2	<10	<2	0.4	18	27	649	7	28
SR 2+00W 0+25N	Soil	<2	—	0.6	52	65	91	275	7	<3	2	<10	<2	<0.1	12	24	157	<5	34
SR 2+00W 0+50N	Soil	2	—	0.5	72	49	112	212	<5	<3	2	<10	<2	<0.1	15	29	191	<5	29
SR 2+00W 0+75N	Soil	8	—	0.4	175	47	117	1169	5	<3	3	<10	14	<0.1	21	37	169	7	33
SR 2+00W 1+00N	Soil	<2	—	0.5	61	38	105	655	<5	<3	2	<10	<2	<0.1	15	31	190	<5	41
SR 2+00W 1+25N	Soil	4	—	0.4	101	45	98	836	<5	<3	1	<10	<2	<0.1	15	30	154	<5	31
SR 2+00W 1+50N	Soil	4	—	0.4	107	43	118	695	<5	<3	2	<10	3	<0.1	19	36	179	<5	41
SR 2+00W 1+75N	Soil	<2	—	0.4	45	35	95	317	<5	<3	2	<10	<2	<0.1	14	24	127	<5	44
SR 2+00W 2+00N	Soil	40	—	0.4	321	68	139	1476	16	<3	5	<10	25	<0.1	24	39	209	25	30
SR 2+00W 2+25N	Soil	60	—	0.9	458	34	77	1802	21	<3	4	<10	17	<0.1	30	42	156	36	24
SR 2+00W 2+50N	Soil	50	—	0.7	424	117	221	1793	35	<3	6	<10	19	<0.1	21	42	197	33	30
SR 2+00W 2+75N	Soil	6	—	0.6	113	26	65	419	5	<3	2	<10	<2	<0.1	17	31	139	7	27
SR 2+00W 3+00N	Soil	20	—	0.8	172	33	74	701	10	<3	3	<10	<2	<0.1	19	22	264	7	37
SR 2+00W 3+25N	Soil	48	—	0.8	181	30	58	1611	9	<3	3	<10	22	<0.1	16	28	207	5	29
SR 2+00W 3+50N	Soil	28	—	0.5	106	32	62	492	<5	<3	2	<10	10	<0.1	12	23	150	5	30
SR 2+00W 3+75N	Soil	4	—	0.9	40	35	41	264	<5	<3	3	<10	2	0.4	6	12	112	6	18
SR 2+00W 4+00N	Soil	<2	—	0.6	104	104	121	1102	<5	<3	3	<10	<2	<0.1	17	30	164	<5	29
SR 2+00W 4+25N	Soil	40	—	0.9	473	103	119	1402	10	<3	4	<10	7	<0.1	14	28	244	170	26
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Client : Homestake Canada Inc
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330 Samples
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[063417:17:20:89071798]

Out: Jul 14, 1998
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Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 1+00W 0+75N	51	799	26	92	4	5	0.10	2.78	1.15	3.31	0.84	0.31	0.12	0.10
SR 1+00W 1+25N	56	542	25	127	3	6	0.13	3.78	1.34	3.23	1.25	0.26	0.16	0.09
SR 1+00W 1+50N	48	415	19	30	1	3	0.06	2.08	0.48	3.08	0.54	0.08	<0.01	0.08
SR 1+00W 1+75N	52	615	24	55	1	3	0.08	2.62	0.86	3.20	0.59	0.12	0.04	0.12
SR 1+00W 2+00N	59	648	25	42	2	4	0.08	2.53	0.43	3.40	0.48	0.10	0.01	0.11
SR 1+00W 2+25N	55	545	19	35	2	3	0.08	2.57	0.36	3.25	0.46	0.08	<0.01	0.10
SR 1+00W 2+50N	51	492	20	30	1	3	0.07	2.38	0.38	2.99	0.47	0.08	<0.01	0.09
SR 1+00W 2+75N	43	346	20	30	1	2	0.06	1.64	0.41	2.52	0.45	0.07	0.01	0.10
SR 1+00W 3+00N	55	462	21	72	2	3	0.08	2.57	1.10	2.94	0.48	0.17	0.07	0.15
SR 1+00W 3+25N	47	402	24	51	1	3	0.06	1.92	0.61	2.80	0.46	0.10	0.03	0.12
SR 1+00W 3+50N	70	212	16	23	2	3	0.07	1.98	0.22	3.08	0.36	0.07	<0.01	0.06
SR 1+00W 3+75N	78	495	32	60	3	4	0.08	2.28	0.58	5.23	0.53	0.13	<0.01	0.12
SR 1+00W 4+00N	74	411	19	27	2	3	0.10	2.37	0.26	3.18	0.46	0.10	<0.01	0.09
SR 1+00W 4+25N	69	375	17	24	2	3	0.09	2.55	0.23	3.23	0.51	0.09	<0.01	0.07
SR 1+00W 4+50N	79	252	17	26	4	4	0.10	2.80	0.15	3.58	0.46	0.09	<0.01	0.06
SR 1+00W 4+75N	68	363	14	25	1	2	0.07	2.88	0.15	3.43	0.50	0.10	<0.01	0.09
SR 1+00W 5+00N	62	279	13	34	1	2	0.06	2.24	0.25	3.40	0.40	0.09	0.02	0.11
SR 1+00W 5+25N	67	519	23	81	1	4	0.09	2.16	0.67	6.25	0.62	0.21	<0.01	0.13
SR 1+00W 5+50N	36	203	13	28	1	2	0.07	0.90	0.31	2.50	0.39	0.23	0.02	0.09
SR 1+00W 5+75N	50	1452	38	30	1	1	0.02	1.70	0.65	4.16	0.30	0.06	<0.01	0.21
SR 1+00W 6+00N	30	517	36	27	1	2	0.03	1.55	0.42	8.03	0.24	0.06	<0.01	0.13
SR 2+00W 0+00N	59	407	22	98	4	4	0.13	3.81	1.14	2.81	0.71	0.36	0.14	0.16
SR 2+00W 0+25N	56	564	20	69	2	3	0.12	2.47	0.87	2.58	0.65	0.27	0.10	0.11
SR 2+00W 0+50N	52	384	20	47	2	3	0.09	2.74	0.70	2.85	0.75	0.17	0.04	0.10
SR 2+00W 0+75N	58	549	21	40	2	3	0.06	2.43	0.68	3.36	0.69	0.11	0.02	0.09
SR 2+00W 1+00N	56	673	21	49	2	4	0.08	3.32	0.75	3.04	0.94	0.14	0.04	0.12
SR 2+00W 1+25N	52	527	21	22	1	3	0.05	2.06	0.30	3.18	0.64	0.08	<0.01	0.09
SR 2+00W 1+50N	60	702	28	58	2	4	0.09	3.31	0.73	3.47	1.02	0.10	0.03	0.09
SR 2+00W 1+75N	51	646	22	141	3	5	0.14	3.95	1.19	2.85	1.25	0.14	0.16	0.10
SR 2+00W 2+00N	75	615	22	71	2	4	0.08	2.30	0.73	5.00	0.58	0.22	0.06	0.15
SR 2+00W 2+25N	56	533	19	65	3	3	0.10	1.99	0.63	4.61	0.47	0.17	0.05	0.13
SR 2+00W 2+50N	91	594	23	74	2	4	0.08	2.17	0.57	6.39	0.51	0.20	0.03	0.15
SR 2+00W 2+75N	56	259	15	31	3	3	0.10	2.37	0.36	3.37	0.46	0.09	0.02	0.07
SR 2+00W 3+00N	81	592	13	44	3	4	0.18	1.90	0.64	4.52	0.75	0.47	0.03	0.10
SR 2+00W 3+25N	64	334	18	58	2	3	0.12	1.94	0.71	3.56	0.59	0.37	0.06	0.12
SR 2+00W 3+50N	61	382	17	29	2	3	0.08	2.44	0.39	3.10	0.46	0.14	0.01	0.09
SR 2+00W 3+75N	51	211	12	26	2	1	0.08	0.73	0.27	1.78	0.15	0.08	0.01	0.07
SR 2+00W 4+00N	57	349	16	20	2	3	0.06	2.44	0.24	3.56	0.47	0.08	<0.01	0.05
SR 2+00W 4+25N	52	468	40	83	5	4	0.09	2.01	0.93	5.97	0.44	0.24	0.07	0.14
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 2+00W 4+50N	Soil	80	—	1.4	674	185	164	2580	12	<3	3	<10	15	<0.1	23	41	206	19	29
SR 2+00W 5+25N	Soil	152	—	3.0	1170	349	341	2361	23	<3	4	<10	5	<0.1	21	41	175	22	25
SR 2+00W 5+50N	Soil	400	—	1.5	808	319	282	2510	25	<3	3	<10	27	<0.1	19	43	182	46	23
SR 2+00W 5+75N	Soil	54	—	2.1	784	110	503	1844	23	<3	4	<10	6	2.0	14	28	176	16	22
SR 2+00W 6+00N	Soil	380	—	3.3	2965	193	468	4385	24	<3	4	<10	33	0.5	34	55	337	66	34
SR 3+00W 0+00N	Soil	<2	—	0.4	93	63	107	279	8	<3	1	<10	<2	<0.1	15	35	264	<5	42
SR 3+00W 0+25N	Soil	<2	—	0.4	67	56	96	243	8	<3	2	<10	<2	<0.1	15	32	253	6	41
SR 3+00W 0+50N	Soil	<2	—	0.4	72	53	98	203	8	<3	2	<10	<2	<0.1	18	33	245	<5	40
SR 3+00W 0+75N	Soil	<2	—	0.4	58	54	98	266	7	<3	2	<10	<2	<0.1	17	32	219	<5	38
SR 3+00W 1+00N	Soil	22	—	0.5	243	45	116	1172	<5	<3	2	<10	10	<0.1	27	45	153	<5	28
SR 3+00W 1+25N	Soil	4	—	0.1	104	28	82	859	<5	<3	2	<10	<2	<0.1	20	34	153	<5	27
SR 3+00W 1+50N	Soil	30	—	0.5	190	33	70	812	6	<3	4	<10	12	<0.1	17	26	267	<5	37
SR 3+00W 1+75N	Soil	40	—	0.6	282	48	98	1103	<5	<3	2	<10	31	<0.1	15	37	184	5	28
SR 3+00W 2+00N	Soil	2	—	0.6	113	40	48	500	15	<3	3	<10	<2	<0.1	12	17	88	<5	18
SR 3+00W 2+25N	Soil	14	—	0.4	275	56	86	1205	<5	<3	3	<10	11	<0.1	15	28	158	<5	31
SR 3+00W 2+50N	Soil	16	—	0.6	274	65	106	940	<5	<3	2	<10	7	<0.1	25	37	271	<5	37
SR 3+00W 2+75N	Soil	20	—	1.1	419	53	108	1144	5	<3	3	<10	14	<0.1	22	34	243	<5	40
SR 3+00W 3+00N	Soil	10	—	0.5	166	34	95	524	<5	<3	2	<10	8	<0.1	13	27	114	<5	31
SR 3+00W 3+25N	Soil	18	—	0.6	393	39	129	782	<5	<3	1	<10	9	<0.1	17	28	232	<5	31
SR 3+00W 3+50N	Soil	<2	—	0.3	89	24	61	339	<5	<3	1	<10	<2	0.1	10	18	130	<5	26
SR 3+00W 3+75N	Soil	8	—	0.5	113	28	86	404	<5	<3	2	<10	3	<0.1	13	23	147	<5	29
SR 3+00W 4+00N	Soil	26	—	0.6	287	37	91	545	<5	<3	2	<10	11	<0.1	16	34	194	5	29
SR 3+00W 4+25N	Soil	128	—	0.9	670	37	106	752	6	<3	2	<10	10	<0.1	15	30	184	9	28
SR 3+00W 4+50N	Soil	40	—	1.7	1189	50	106	1112	6	<3	2	<10	9	<0.1	11	23	164	29	26
SR 3+00W 5+00N	Soil	72	—	1.8	1556	58	143	1393	6	<3	2	<10	17	<0.1	15	30	167	10	28
SR 3+00W 5+25N	Soil	38	—	1.1	376	40	78	535	<5	<3	2	<10	14	<0.1	12	19	155	10	26
SR 3+00W 5+50N	Soil	34	—	4.0	1978	136	246	1912	12	<3	4	<10	30	<0.1	16	40	187	50	33
SR 3+00W 5+75N	Soil	16	—	0.6	262	30	68	742	<5	<3	2	<10	<2	<0.1	12	23	140	7	29
SR 3+00W 6+00N	Soil	6	—	1.0	138	47	64	661	5	<3	2	<10	<2	<0.1	7	16	107	6	30
SR 3+00W 6+25N	Soil	30	—	2.0	513	57	91	613	6	<3	3	<10	<2	<0.1	13	28	134	11	34
SR 3+00W 6+50N	Soil	2	—	0.3	70	32	66	419	5	<3	3	<10	<2	<0.1	12	17	107	<5	32
SR 3+00W 6+75N	Soil	10	—	0.3	50	30	68	146	<5	<3	3	<10	<2	1.1	10	22	167	<5	40
SR 4+00W 0+00N	Soil	<2	—	0.4	44	35	94	114	7	<3	3	<10	<2	<0.1	19	37	238	<5	31
SR 4+00W 0+25N	Soil	<2	—	0.4	37	41	101	135	6	<3	3	<10	<2	<0.1	15	31	176	<5	34
SR 4+00W 0+50N	Soil	<2	—	0.6	44	35	90	148	7	<3	3	<10	<2	<0.1	15	34	192	5	32
SR 4+00W 0+75N	Soil	<2	—	0.3	43	47	104	164	<5	<3	2	<10	<2	<0.1	18	34	240	<5	34
SR 4+00W 1+00N	Soil	<2	—	0.3	52	51	103	222	5	<3	1	<10	<2	0.1	21	29	207	<5	35
SR 4+00W 1+25N	Soil	<2	—	0.3	24	25	63	213	<5	<3	3	<10	<2	<0.1	10	21	111	<5	39
SR 4+00W 1+50N	Soil	<2	—	0.4	72	19	57	837	<5	<3	1	<10	<2	<0.1	11	18	106	<5	22
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 2+00W 4+50N	61	567	24	46	3	4	0.05	1.75	0.49	5.13	0.49	0.10	<0.01	0.12
SR 2+00W 5+25N	55	927	40	46	3	5	0.03	1.75	0.75	5.56	0.34	0.08	<0.01	0.13
SR 2+00W 5+50N	50	669	30	46	3	4	0.05	1.58	0.44	6.49	0.41	0.09	<0.01	0.11
SR 2+00W 5+75N	46	1409	49	41	6	6	0.01	1.27	0.58	4.95	0.28	0.09	<0.01	0.12
SR 2+00W 6+00N	66	1379	28	52	3	7	0.03	1.82	0.66	7.04	0.53	0.17	<0.01	0.13
SR 3+00W 0+00N	66	464	23	108	6	5	0.11	3.42	1.57	3.30	1.14	0.41	0.13	0.10
SR 3+00W 0+25N	66	428	22	91	4	5	0.11	3.41	1.20	3.20	1.10	0.40	0.11	0.10
SR 3+00W 0+50N	62	553	22	118	6	5	0.11	3.25	1.44	3.11	1.09	0.46	0.17	0.11
SR 3+00W 0+75N	63	503	19	68	4	4	0.09	3.15	0.90	3.18	1.02	0.22	0.07	0.10
SR 3+00W 1+00N	51	690	20	41	1	3	0.05	2.34	0.62	3.59	0.62	0.11	0.01	0.09
SR 3+00W 1+25N	52	387	19	24	2	3	0.06	1.95	0.29	3.36	0.60	0.09	<0.01	0.08
SR 3+00W 1+50N	106	607	17	36	3	4	0.17	2.46	0.59	4.30	0.87	0.31	<0.01	0.10
SR 3+00W 1+75N	55	276	22	31	1	3	0.06	2.16	0.42	3.51	0.56	0.10	<0.01	0.09
SR 3+00W 2+00N	87	566	18	21	2	3	0.11	1.75	0.44	5.11	0.44	0.06	<0.01	0.14
SR 3+00W 2+25N	63	601	25	25	2	3	0.08	2.48	0.32	3.87	0.54	0.08	<0.01	0.07
SR 3+00W 2+50N	67	756	30	36	2	5	0.08	2.93	0.57	3.79	0.72	0.10	<0.01	0.09
SR 3+00W 2+75N	74	765	26	47	2	4	0.08	3.56	0.92	3.97	0.80	0.12	0.01	0.12
SR 3+00W 3+00N	57	390	18	18	2	3	0.08	2.98	0.23	3.18	0.48	0.08	<0.01	0.09
SR 3+00W 3+25N	55	779	25	50	2	3	0.06	2.75	1.17	3.11	0.64	0.09	0.02	0.11
SR 3+00W 3+50N	50	468	12	24	1	1	0.05	1.73	0.43	2.71	0.44	0.07	<0.01	0.07
SR 3+00W 3+75N	53	738	16	25	1	2	0.06	2.44	0.36	2.91	0.54	0.12	<0.01	0.11
SR 3+00W 4+00N	54	455	22	44	2	4	0.09	2.14	0.62	3.04	0.63	0.12	0.03	0.11
SR 3+00W 4+25N	55	508	22	46	2	3	0.07	1.96	0.99	3.16	0.54	0.11	0.02	0.10
SR 3+00W 4+50N	61	666	24	33	2	3	0.08	1.46	0.72	3.56	0.45	0.09	<0.01	0.07
SR 3+00W 5+00N	58	423	24	36	2	3	0.07	1.78	0.69	3.93	0.52	0.08	<0.01	0.09
SR 3+00W 5+25N	64	532	14	24	1	2	0.07	1.78	0.37	3.16	0.37	0.08	<0.01	0.07
SR 3+00W 5+50N	62	633	20	30	1	3	0.04	2.06	0.41	5.10	0.45	0.08	<0.01	0.12
SR 3+00W 5+75N	57	360	13	13	1	3	0.05	2.03	0.17	3.21	0.43	0.07	<0.01	0.05
SR 3+00W 6+00N	74	231	11	13	2	2	0.09	1.57	0.15	3.55	0.41	0.11	<0.01	0.05
SR 3+00W 6+25N	65	347	17	16	1	3	0.05	2.05	0.15	3.78	0.47	0.09	<0.01	0.06
SR 3+00W 6+50N	75	866	11	12	2	2	0.08	1.33	0.10	3.24	0.32	0.10	<0.01	0.07
SR 3+00W 6+75N	87	488	14	18	1	2	0.08	2.08	0.18	4.00	0.64	0.15	<0.01	0.08
SR 4+00W 0+00N	59	411	21	30	2	4	0.09	2.13	0.36	3.34	0.70	0.26	<0.01	0.10
SR 4+00W 0+25N	64	342	20	24	2	4	0.09	2.43	0.30	3.42	0.70	0.18	<0.01	0.08
SR 4+00W 0+50N	60	278	20	30	2	3	0.09	2.46	0.46	3.25	0.71	0.18	<0.01	0.09
SR 4+00W 0+75N	56	529	21	52	3	4	0.10	2.50	0.64	3.05	0.86	0.29	0.05	0.09
SR 4+00W 1+00N	57	767	21	57	2	4	0.09	2.98	0.69	2.84	0.89	0.19	0.06	0.09
SR 4+00W 1+25N	78	327	14	16	3	3	0.09	2.12	0.18	4.17	0.64	0.12	<0.01	0.06
SR 4+00W 1+50N	40	184	12	17	<1	1	0.03	1.42	0.28	2.60	0.39	0.06	<0.01	0.07
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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CERTIFICATE OF ANALYSIS
iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
SR 4+00W 1+75N	Soil	12	—	0.8	524	43	110	1198	6	<3	2	<10	7	<0.1	24	33	214	<5	31
SR 4+00W 2+00N	Soil	<2	—	0.3	139	36	79	684	<5	<3	2	<10	<2	<0.1	17	24	204	<5	30
SR 4+00W 2+25N	Soil	14	—	0.5	170	35	86	433	<5	<3	<1	<10	3	<0.1	13	26	179	6	30
SR 4+00W 2+50N	Soil	16	—	0.7	185	32	85	451	<5	<3	1	<10	4	<0.1	14	28	172	7	31
SR 4+00W 2+75N	Soil	2	—	0.4	110	34	85	593	<5	<3	1	<10	<2	<0.1	15	33	176	5	31
SR 4+00W 3+00N	Soil	6	—	0.4	147	33	79	389	<5	<3	3	<10	<2	<0.1	16	30	157	12	39
SR 4+00W 3+25N	Soil	6	—	0.5	121	31	86	327	5	<3	2	<10	<2	<0.1	13	26	176	6	39
SR 4+00W 3+50N	Soil	2	—	0.4	111	28	89	387	<5	<3	1	<10	<2	0.1	14	27	168	<5	37
SR 4+00W 3+75N	Soil	14	—	0.4	111	27	79	312	<5	<3	1	<10	<2	<0.1	12	25	167	<5	37
SR 4+00W 4+00N	Soil	400	—	0.4	108	25	74	392	<5	<3	2	<10	<2	0.1	12	25	161	6	31
SR 4+00W 4+25N	Soil	10	—	0.4	106	25	93	356	<5	<3	1	<10	<2	0.1	13	26	168	<5	35
SR 4+00W 4+50N	Soil	10	—	0.5	107	25	74	324	<5	<3	2	<10	<2	<0.1	13	27	167	<5	37
SR 4+00W 4+75N	Soil	<2	—	0.4	67	18	68	233	<5	<3	1	<10	<2	<0.1	11	21	138	<5	35
SR 4+00W 5+00N	Soil	<2	—	0.4	75	21	72	258	<5	<3	2	<10	<2	<0.1	10	22	158	<5	37
SR 4+00W 5+25N	Soil	<2	—	0.4	86	21	70	275	<5	<3	1	<10	<2	<0.1	11	23	155	<5	37
SR 4+00W 5+50N	Soil	2	—	0.5	84	20	75	267	<5	<3	2	<10	<2	<0.1	12	24	167	5	38
SR 4+00W 5+75N	Soil	<2	—	0.5	81	23	80	227	<5	<3	3	<10	<2	<0.1	13	28	198	<5	45
SR 4+00W 6+00N	Soil	8	—	0.4	52	22	78	203	<5	<3	1	<10	<2	<0.1	14	26	144	5	45
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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iPL 98G0634

Client : Homestake Canada Inc
Project: 90822 Yukon

330 Samples
330=Soil

[063417:17:20:89071798]

Out: Jul 14, 1998
In : Jul 03, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
SR 4+00W 1+75N	59	560	23	39	1	4	0.07	2.49	0.74	3.71	0.67	0.11	<0.01	0.10
SR 4+00W 2+00N	57	793	23	22	1	2	0.05	2.18	0.37	3.38	0.60	0.09	<0.01	0.09
SR 4+00W 2+25N	51	471	23	63	2	3	0.08	2.21	0.91	2.85	0.66	0.10	0.05	0.10
SR 4+00W 2+50N	54	494	25	54	2	4	0.09	2.38	0.70	2.96	0.68	0.10	0.05	0.10
SR 4+00W 2+75N	55	430	21	26	1	3	0.07	2.33	0.37	3.28	0.61	0.09	<0.01	0.07
SR 4+00W 3+00N	63	433	23	41	3	5	0.12	3.19	0.51	3.18	0.80	0.11	0.02	0.09
SR 4+00W 3+25N	58	434	26	90	3	5	0.11	2.88	1.03	3.00	0.99	0.13	0.09	0.10
SR 4+00W 3+50N	59	462	22	53	2	4	0.10	2.68	0.71	2.95	0.89	0.11	0.04	0.10
SR 4+00W 3+75N	56	389	23	76	3	4	0.10	2.68	1.00	2.78	0.95	0.11	0.08	0.10
SR 4+00W 4+00N	49	415	22	69	2	4	0.09	2.10	0.91	2.72	0.72	0.15	0.07	0.11
SR 4+00W 4+25N	54	444	20	73	3	4	0.10	2.51	1.16	2.76	0.88	0.15	0.08	0.09
SR 4+00W 4+50N	57	406	24	102	4	5	0.12	2.72	1.40	2.87	0.96	0.17	0.14	0.09
SR 4+00W 4+75N	48	394	20	108	4	4	0.11	2.56	1.95	2.42	0.95	0.15	0.15	0.07
SR 4+00W 5+00N	47	393	21	113	4	4	0.11	2.70	2.09	2.53	1.01	0.20	0.14	0.09
SR 4+00W 5+25N	50	414	24	110	3	5	0.12	2.78	1.70	2.68	1.02	0.21	0.15	0.09
SR 4+00W 5+50N	52	440	25	112	4	5	0.13	2.86	1.86	2.72	1.00	0.22	0.16	0.09
SR 4+00W 5+75N	58	444	26	113	5	6	0.14	3.64	1.52	3.12	1.17	0.24	0.14	0.09
SR 4+00W 6+00N	54	573	27	130	5	6	0.14	3.61	1.47	3.10	1.42	0.21	0.14	0.08
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Fax (604) 879-7898

Homestake Canada Inc
Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA AAS 30g) g mt ICP(AqR)30

Comment:

28 Samples Out: Jul 07, 1998 In: Jul 02, 1998 [062616:04:53:89071598]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	28	Rock	crush, split & pulverize	12M/Dis	03M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

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Client : Homestake Canada Inc
Project: 90822 Yukon

28 Samples
28=Rock

[062616:04:53:89071598]

Out: Jul 07, 1998
In : Jul 02, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
20545	Rock	2900	2.90	0.9	509	7	6	5.1%	30	<3	4	<10	119	<0.1	16	7	<2	<5	141
20547	Rock	30	—	0.3	61	3	4	30%	524	<3	2	<10	118	<0.1	354	16	<2	<5	44
20548	Rock	72	—	2.0	2889	43	46	2500	<5	<3	2	<10	40	<0.1	64	11	20	<5	29
20549	Rock	1000	1.17	17.3	7556	33	160	401	10	<3	1	<10	202	1.3	3	6	99	<5	31
20556	Rock	10	—	<0.1	60	13	104	278	<5	<3	4	<10	<2	<0.1	12	11	572	<5	44
20558	Rock	2	—	0.2	28	71	95	179	6	<3	3	<10	<2	<0.1	10	13	56	<5	102
20559	Rock	3	—	3.5	135	9426	267	540	<5	<3	6	<10	<2	<0.1	28	19	24	<5	62
22281	Rock	10	—	0.1	70	73	34	160	8	<3	4	<10	<2	<0.1	16	29	88	<5	117
22282	Rock	15	—	0.8	464	21	31	46	<5	<3	4	<10	<2	<0.1	27	36	6	<5	74
22283	Rock	9	—	0.9	274	34	17	3.1%	91	<3	4	<10	478	<0.1	39	37	<2	<5	26
22285	Rock	5	—	<0.1	8	30	24	296	<5	<3	1	<10	2	<0.1	6	15	38	<5	215
22288	Rock	7	—	<0.1	5	6	16	105	<5	<3	3	<10	<2	<0.1	2	9	93	<5	168
24290	Rock	26	—	2.1	2053	30	55	1570	13	<3	1	<10	105	0.3	8	14	4	<5	44
24291	Rock	12	—	0.4	470	10	28	1812	8	<3	2	<10	<2	<0.1	18	28	17	<5	99
24292	Rock	50	—	0.5	55	22	53	3056	13	<3	1	<10	60	0.1	6	7	4	<5	67
24293	Rock	3	—	<0.1	54	8	18	22	12	<3	4	<10	<2	<0.1	14	18	141	<5	105
24294	Rock	930	—	4.4	1368	6	46	6815	17	<3	3	<10	912	0.2	57	35	14	<5	26
24295	Rock	698	—	5.2	2005	15	57	2476	13	<3	5	<10	373	0.2	17	11	32	<5	29
24296	Rock	40	—	0.5	245	5	37	3473	10	<3	2	<10	20	<0.1	21	22	34	<5	23
24300	Rock	112	—	0.3	57	47	10	1.4%	25	<3	1	<10	2	<0.1	86	31	79	<5	127
24301	Rock	46	—	2.5	86	3	5	1595	5	<3	3	<10	2	<0.1	9	11	42	<5	188
24302	Rock	23	—	0.2	33	5	2	2787	6	<3	3	<10	<2	<0.1	1	7	51	<5	204
24303	Rock	6	—	<0.1	19	18	2	77	5	<3	2	<10	7	<0.1	1	6	6	<5	231
24304	Rock	2550	2.10	0.9	21	38	<1	22%	256	<3	9	<10	431	<0.1	234	122	<2	0.5%	70
24305	Rock	488	—	0.5	1429	10	23	6.3%	86	<3	2	<10	41	<0.1	23	20	<2	68	138
24306	Rock	300	—	2.9	562	8	15	7388	10	<3	5	<10	8	<0.1	73	30	43	<5	187
24307	Rock	<2	—	0.5	291	17	31	557	8	<3	1	<10	<2	<0.1	30	54	98	15	41
24321	Rock	4	—	0.4	88	24	56	554	<5	<3	2	<10	10	<0.1	3	4	23	16	36
Minimum Detection		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		10000	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Client : Homestake Canada Inc
Project: 90822 Yukon

28 Samples
28=Rock

[062616:04:53:89071598]

Out: Jul 07, 1998
In : Jul 02, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20545	4	31	7	6	4	3	<0.01	0.14	0.04	3.91	0.02	0.05	<0.01	0.02
20547	14	69	16	14	7	2	0.01	0.43	0.29	23%	0.20	0.06	<0.01	0.07
20548	7	174	18	53	5	<1	0.04	0.89	1.32	17%	0.20	0.02	0.01	0.10
20549	7	292	22	148	3	1	0.07	1.92	5.51	2.53	0.10	0.11	0.29	0.11
20556	51	936	53	310	15	7	0.18	1.60	3.39	3.89	0.61	0.60	0.06	0.11
20558	36	419	22	208	28	5	0.13	3.60	1.73	3.19	1.22	0.32	0.33	0.07
20559	100	4631	8	142	15	2	0.11	2.42	1.37	9.08	0.41	0.67	<0.01	0.02
22281	71	247	10	195	8	4	0.15	3.14	1.78	3.10	1.05	0.78	0.35	0.15
22282	22	717	3	9	10	1	0.16	0.69	1.25	6.76	0.34	0.02	<0.01	0.08
22283	6	242	3	47	2	<1	0.03	0.97	0.86	5.58	0.19	0.06	0.17	0.05
22285	5	616	9	7	6	<1	<0.01	0.22	0.26	1.34	0.06	0.03	<0.01	0.01
22288	3	381	13	68	9	1	<0.01	0.37	3.15	1.10	0.15	0.04	0.01	0.39
24290	12	201	29	137	6	2	0.05	2.25	5.15	2.52	0.27	0.04	0.13	0.11
24291	26	226	17	170	6	2	0.16	2.48	3.39	3.27	0.29	0.05	0.19	0.11
24292	15	531	5	54	8	2	0.08	1.30	4.61	1.46	0.12	0.04	0.10	0.07
24293	96	233	13	67	13	8	0.18	2.40	0.76	3.97	1.34	1.41	0.07	0.12
24294	5	310	43	80	2	<1	0.03	1.05	6.90	1.73	0.07	0.09	0.30	0.09
24295	4	242	38	68	2	<1	0.05	1.11	5.54	1.69	0.05	0.09	0.28	0.09
24296	8	320	37	65	2	1	0.04	1.26	5.81	1.89	0.11	0.14	0.30	0.10
24300	2	47	52	29	3	<1	<0.01	0.12	0.11	1.56	0.02	0.04	0.01	0.03
24301	3	39	18	10	2	1	<0.01	0.24	0.07	0.86	0.02	0.10	0.01	0.02
24302	<2	26	12	7	5	<1	<0.01	0.15	0.04	0.74	0.01	0.14	0.01	0.01
24303	2	26	8	5	4	<1	<0.01	0.35	0.04	0.69	<0.01	0.01	0.01	0.02
24304	<2	34	13	9	7	3	<0.01	0.16	0.18	16%	0.01	0.06	<0.01	0.04
24305	3	44	13	42	3	4	<0.01	0.40	0.02	6.05	0.02	0.12	<0.01	0.04
24306	15	69	9	16	4	2	0.02	0.89	0.06	1.87	0.74	0.62	<0.01	0.02
24307	146	521	9	280	9	12	0.33	2.97	4.15	4.60	1.25	0.14	0.27	0.15
24321	2	1126	7	48	3	<1	0.01	0.27	7.34	3.96	0.10	0.05	<0.01	0.04
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Homestake Canada Inc — **168 Samples** — Out: Jun 26, 1998 — In: Jun 24, 1998 — [059615:49:28:89063098]

Project : 90822 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B211	78	Rock	crush, split & pulverize	12M/Dis	03M/Dis
B111	88	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis
B121	2	Silt	Dry & sift to -80 mesh, no reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0368	FA/AAS	g/mt	Au (FA/AAS 30g) g/mt	Gold	0.01	9999.00
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
04	0711	ICP	ppm	Cu ICP	Copper	1	20000
05	0714	ICP	ppm	Pb ICP	Lead	2	20000
06	0730	ICP	ppm	Zn ICP	Zinc	1	20000
07	0703	ICP	ppm	As ICP	Arsenic	5	10000
08	0702	ICP	ppm	Sb ICP	Antimony	5	1000
09	0732	ICP	ppm	Hg ICP	Mercury	3	10000
10	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
11	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
12	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
13	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
14	0710	ICP	ppm	Co ICP	Cobalt	1	10000
15	0718	ICP	ppm	Ni ICP	Nickel	1	10000
16	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
17	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
18	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
19	0729	ICP	ppm	V ICP	Vanadium	2	10000
20	0716	ICP	ppm	Mn ICP	Manganese	1	10000
21	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
22	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
23	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
24	0736	ICP	ppm	Sc ICP	Scandium	1	10000
25	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
26	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
27	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
28	0712	ICP	%	Fe ICP	Iron	0.01	10.00
29	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
30	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
31	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
32	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	Type	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
19501	Rock	0.11	—	0.4	173	32	58	557	<5	<3	2	<10	<2	1.6	25	28	1005	<5	65
19503	Rock	0.03	—	0.6	207	11	71	15	<5	<3	3	<10	<2	2.8	25	56	32	<5	37
19504	Rock	<0.01	—	0.3	79	11	238	48	6	<3	8	<10	<2	3.7	26	52	18	<5	74
19506	Rock	0.02	—	1.0	100	19	240	28	<5	<3	4	<10	<2	6.6	45	32	18	<5	23
19507	Rock	0.07	—	0.9	134	25	46	37	<5	<3	3	<10	<2	3.7	39	36	10	<5	53
19508	Rock	0.12	—	0.7	211	8	23	43	<5	<3	10	<10	<2	2.1	27	25	50	<5	30
19509	Rock	<0.01	—	0.8	209	31	39	<5	14	<3	2	<10	<2	3.6	32	20	33	<5	55
19515	Rock	<0.01	—	0.8	202	26	26	<5	13	<3	2	<10	<2	3.4	32	21	32	<5	45
19516	Rock	<0.01	—	0.6	546	47	291	<5	76	<3	4	<10	<2	5.9	25	28	6	63	143
19517	Rock	0.03	—	1.0	362	22	66	52	14	<3	3	<10	<2	2.5	21	58	56	<5	82
19520	Rock	0.08	—	1.8	152	84	32	1.0%	108	<3	2	<10	<2	5.4	15	26	16	<5	106
19521	Rock	0.38	—	4.6	128	563	462	10%	374	<3	7	<10	184	11.8	82	20	<2	<5	120
19523	Rock	<0.01	—	2.3	108	565	109	102	60	<3	3	<10	<2	6.2	3	7	93	<5	51
19524	Rock	0.08	—	34.5	894	15402	2.0%	755	0.5%	<3	<1	<10	152	0.2m	59	28	17	<5	2
19528	Rock	0.01	—	0.6	148	103	180	70	28	<3	5	<10	<2	2.9	11	36	33	<5	69
19529	Rock	0.02	—	1.9	122	477	370	74	95	<3	18	<10	<2	7.6	11	33	15	<5	83
19530	Rock	0.01	—	1.4	695	42	64	974	11	<3	6	<10	<2	2.6	28	110	22	<5	83
19531	Rock	0.23	—	1.7	1013	22	59	2.3%	21	<3	4	<10	490	1.9	11	19	32	<5	113
19532	Rock	0.01	—	0.2	9	<2	8	6113	9	<3	2	<10	<2	0.2	4	3	46	<5	78
19533	Rock	0.01	—	0.2	145	14	14	131	6	<3	3	<10	<2	0.9	16	30	22	<5	127
19534	Rock	0.55	—	2.1	1994	21	50	22%	828	<3	6	<10	2137	8.1	296	121	<2	240	56
20501	Rock	<0.01	—	0.3	33	16	85	59	9	<3	4	<10	<2	3.1	12	7	79	<5	32
20502	Rock	0.05	—	0.6	117	35	38	274	<5	<3	4	<10	<2	1.7	12	13	109	<5	95
20503	Rock	0.02	—	<0.1	19	26	39	512	5	<3	2	<10	<2	0.8	9	11	11	<5	91
20504	Rock	10.13	10.15	3.0	512	65	13	36%	405	<3	72	<10	848	7.8	394	18	<2	0.2%	41
20505	Rock	66.00	66.90	5.6	528	8	14	2.3%	25	<3	2	<10	1380	6.8	63	19	18	45	93
20506	Rock	0.10	—	3.4	5519	<2	112	1616	<5	<3	3	<10	5	19.0	22	39	17	19	12
20507	Rock	0.07	—	3.6	5191	<2	102	282	<5	<3	2	<10	<2	18.6	18	39	21	9	9
20508	Rock	0.01	—	0.4	345	17	122	831	<5	<3	1	<10	<2	14.8	12	24	13	<5	73
20509	Rock	<0.01	—	0.4	98	36	130	106	5	<3	4	<10	<2	2.5	12	17	60	<5	46
20510	Rock	0.25	—	26.5	13491	23	3263	137	10	<3	3	<10	<2	12.1	31	99	25	<5	199
20511	Rock	0.01	—	4.1	151	4	25	61	5	<3	3	<10	<2	3.9	3	9	21	<5	157
20512	Rock	0.01	—	0.5	132	32	29	114	<5	<3	3	<10	<2	2.7	26	27	41	<5	32
20513	Rock	2.00	2.10	3.2	547	113	15	38%	804	<3	5	<10	649	12.4	1582	249	<2	0.4%	47
20514	Rock	1.92	2.10	19.2	15723	16	71	34%	691	<3	23	<10	961	12.6	787	210	<2	92	14
20515	Rock	192.00	210.00	57.8	7465	17	78	33%	806	<3	13	<10	1.6%	12.4	1135	500	<2	18	28
20516	Rock	0.47	—	1.3	1832	4	45	7853	42	<3	2	<10	167	23.6	167	56	10	0.2%	15
20517	Rock	0.29	—	0.5	76	133	20	16%	824	<3	4	<10	37	6.1	111	24	<2	356	139
20518	Rock	1.57	1.75	5.2	2118	79	40	28%	722	<3	9	<10	1767	10.2	670	144	<2	19	41
Minimum Detection		0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		9999.00	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19501	128	321	29	231	4	4	0.37	2.95	1.94	3.45	1.12	1.31	0.15	0.23
19503	20	347	12	18	1	2	0.01	2.58	0.08	6.66	1.02	0.44	<0.01	0.03
19504	97	199	9	133	16	6	0.09	3.33	0.89	5.24	1.56	1.16	0.16	0.10
19506	151	428	16	538	6	4	0.25	5.24	2.99	8.39	1.96	0.27	0.48	0.27
19507	120	337	19	441	10	6	0.43	5.72	3.61	7.01	1.29	0.76	0.80	0.22
19508	18	201	13	487	5	2	0.10	4.74	2.77	4.57	0.23	0.09	0.57	0.07
19509	141	217	5	114	8	6	0.34	1.72	1.04	7.66	1.10	0.08	0.15	0.09
19515	137	208	4	110	7	6	0.32	1.65	1.00	7.48	1.07	0.07	0.14	0.09
19516	<2	32	<2	6	11	<1	<0.01	0.06	0.11	7.78	0.01	<0.01	<0.01	0.02
19517	78	214	11	371	4	5	0.18	5.97	4.59	4.68	2.13	0.29	0.52	0.14
19520	36	453	5	12	7	3	<0.01	0.85	0.38	11%	0.19	0.02	<0.01	0.19
19521	36	382	2	15	19	3	<0.01	1.90	0.19	13%	1.03	0.11	<0.01	0.08
19523	24	431	15	9	9	2	0.01	2.02	0.09	12%	0.92	0.23	<0.01	0.08
19524	17	146	<2	4	12	<1	<0.01	0.07	0.09	28%	0.01	<0.01	<0.01	0.01
19528	37	303	16	50	6	3	0.01	2.08	0.31	3.91	1.15	0.67	0.01	0.13
19529	270	642	13	256	4	5	0.06	2.32	4.54	8.90	0.79	0.42	0.16	1.57
19530	48	228	14	257	23	3	0.20	2.81	2.63	4.76	0.37	0.20	0.46	0.12
19531	69	206	22	82	6	8	0.04	1.06	2.85	3.22	0.91	0.30	0.07	0.15
19532	<2	395	2	114	1	<1	<0.01	0.03	13%	0.60	0.02	<0.01	0.01	<0.01
19533	19	95	8	69	7	1	0.20	1.17	1.31	2.15	0.06	0.07	0.24	0.12
19534	23	895	<2	19	10	1	0.01	0.87	2.08	17%	0.41	<0.01	<0.01	0.04
20501	105	1472	68	72	4	9	0.01	1.34	2.72	6.04	0.61	0.15	<0.01	0.15
20502	48	234	36	106	4	2	0.21	1.34	1.08	3.38	0.46	0.47	0.16	0.16
20503	29	223	6	71	2	3	0.09	0.94	1.27	1.28	0.47	0.20	0.07	0.01
20504	4	25	<2	11	5	1	<0.01	0.24	0.12	21%	0.06	0.03	<0.01	0.01
20505	34	76	22	4	5	1	0.03	0.45	0.19	12%	0.14	0.01	<0.01	0.02
20506	14	108	7	43	8	<1	0.02	2.08	1.43	21%	0.03	<0.01	<0.01	0.01
20507	13	98	2	64	6	<1	0.02	1.85	1.35	21%	0.03	<0.01	<0.01	0.03
20508	77	216	2	2	15	3	<0.01	1.38	0.02	19%	<0.01	<0.01	<0.01	0.05
20509	33	260	14	236	9	2	0.14	3.77	2.46	3.98	0.57	0.08	0.32	0.13
20510	25	119	3	27	11	1	0.04	0.59	0.39	4.20	0.09	0.08	0.02	0.04
20511	3	50	16	4	7	<1	<0.01	0.32	0.03	7.96	0.01	0.03	<0.01	0.02
20512	21	277	9	233	7	1	0.31	2.17	3.75	5.35	0.17	0.04	0.13	0.16
20513	5	32	<2	9	5	1	<0.01	0.37	0.13	29%	0.01	<0.01	<0.01	0.01
20514	2	5	<2	9	5	<1	0.01	0.46	0.12	26%	0.01	0.02	<0.01	0.01
20515	3	15	<2	23	4	<1	<0.01	0.81	0.40	25%	0.01	0.03	<0.01	<0.01
20516	12	24	<2	4	14	<1	<0.01	0.03	0.16	26%	0.01	<0.01	<0.01	0.03
20517	<2	180	<2	15	11	<1	<0.01	0.04	1.79	15%	0.01	<0.01	<0.01	0.03
20518	3	132	<2	17	8	<1	0.01	0.21	1.58	22%	0.02	<0.01	<0.01	0.01
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	Type	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
20519	Rock	19.73	19.80	10.5	863	16	28	28%	523	<3	14	<10	8428	8.9	548	62	<2	6	49
20520	Rock	0.05	—	0.1m	7.0%	11	775	1.6%	36	<3	7	<10	29	15.2	97	156	<2	23	36
20521	Rock	7.90	7.90	3.2	493	58	21	31%	661	<3	12	<10	3613	10.6	787	116	<2	30	54
20524	Rock	0.01	—	78.6	615	19312	7.5%	226	31	<3	<1	<10	17	0.9m	26	16	7	<5	46
20525	Rock	0.22	—	3.0	2567	18	80	6966	<5	<3	65	<10	17	10.9	70	34	6	<5	72
20532	Rock	17.13	16.70	4.7	91	217	37	32%	337	<3	9	<10	3458	10.1	185	11	<2	25	93
20533	Rock	0.51	—	1.1	36	111	117	22%	324	<3	5	<10	319	8.2	49	21	<2	<5	35
20534	Rock	15.80	16.13	14.2	5.0%	50	272	39%	375	3	9	<10	1271	17.1	1199	66	<2	383	40
20535	Rock	0.04	—	1.3	969	<2	51	904	6	6	3	<10	25	4.7	10	13	36	19	66
20536	Rock	0.28	—	1.0	227	79	18	36%	601	3	7	<10	607	11.9	51	22	<2	151	34
20537	Rock	0.71	—	9.6	184	386	10	40%	0.1%	<3	4	<10	4352	14.0	56	23	<2	294	53
24251	Rock	0.01	—	<0.1	88	34	39	1117	24	<3	1	<10	5	1.0	5	10	56	<5	136
24252	Rock	0.01	—	0.6	128	23	29	1124	10	<3	3	<10	<2	1.5	19	25	119	<5	56
24253	Rock	<0.01	—	0.2	66	8	63	1064	<5	<3	2	<10	<2	1.6	16	25	138	<5	72
24254	Rock	<0.01	—	0.3	66	29	117	646	<5	<3	2	<10	<2	3.6	5	12	40	<5	129
24257	Rock	0.79	—	3.0	118	109	8	4.4%	40	<3	5	<10	48	1.5	52	17	10	<5	150
24259	Rock	0.05	—	0.4	246	<2	35	1665	42	<3	2	18	73	10.6	5	10	14	<5	96
24260	Rock	<0.01	—	0.4	56	17	63	383	<5	<3	6	<10	<2	2.5	16	31	144	<5	69
24261	Rock	<0.01	—	0.4	76	26	36	329	<5	<3	1	<10	<2	2.7	17	19	76	<5	52
24265	Rock	0.05	—	81.9	2.9%	959	2073	2887	199	<3	1	<10	89	32.4	35	26	16	433	30
24266	Rock	<0.01	—	1.8	102	47	117	149	13	<3	3	<10	<2	1.6	13	36	93	<5	66
24268	Rock	0.01	—	1.5	685	33	83	348	23	<3	<1	<10	8	1.4	5	12	49	<5	14
24269	Rock	<0.01	—	0.4	268	8	27	53	9	<3	2	<10	<2	3.3	10	9	12	<5	58
24270	Rock	<0.01	—	0.4	196	5	19	213	21	<3	2	<10	<2	3.5	5	12	6	<5	39
24271	Rock	0.04	—	1.3	476	18	17	9.6%	239	<3	1	<10	158	3.8	37	22	<2	31	48
24272	Rock	<0.01	—	1.3	867	2	40	2740	<5	<3	1	<10	<2	6.5	55	70	20	<5	17
24273	Rock	0.10	—	1.5	35	191	2065	2531	32	<3	2	<10	<2	25.8	8	11	20	<5	86
24274	Rock	0.28	—	4.5	4590	3	43	12%	134	<3	36	<10	72	4.4	142	87	<2	<5	50
24275	Rock	0.26	—	8.7	7574	8	159	5.4%	52	<3	2	<10	87	5.2	50	34	<2	<5	32
24276	Rock	0.62	—	16.4	15119	7	161	14%	141	<3	4	<10	296	6.4	116	51	<2	<5	41
24277	Rock	0.04	—	1.0	743	<2	32	3438	<5	<3	37	<10	54	4.1	26	43	11	222	35
24278	Rock	0.06	—	4.7	3347	<2	63	1.9%	39	<3	2	<10	65	2.8	31	31	<2	7	59
24280	Rock	0.01	—	0.6	673	<2	12	396	<5	<3	2	<10	<2	3.1	10	18	<2	<5	29
24284	Rock	0.02	—	0.8	256	38	46	128	15	<3	3	<10	<2	2.4	6	16	34	<5	45
24285	Rock	0.06	—	2.7	738	12	41	1.4%	58	<3	2	<10	6	1.6	20	38	70	<5	47
24286	Rock	0.22	—	35.0	15671	10	386	2.0%	<5	<3	4	<10	73	4.9	37	137	<2	0.4%	30
24287	Rock	0.59	—	0.7	285	21	19	34%	691	<3	22	<10	445	12.4	81	53	<2	47	33
24288	Rock	0.01	—	0.8	328	<2	14	8.1%	199	<3	2	<10	9	3.9	37	12	<2	9	41
24289	Rock	0.01	—	6.4	5941	5	79	22%	403	<3	3	<10	145	10.7	18	13	<2	6	51
Minimum Detection		0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		9999.00	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS

iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20519	4	81	49	68	5	<1	0.02	0.73	1.59	20%	0.10	0.04	0.13	0.08
20520	4	176	16	67	4	1	0.01	0.42	0.93	14%	0.03	<0.01	<0.01	0.12
20521	4	104	4	47	6	<1	0.01	1.17	0.74	23%	0.12	0.03	0.28	0.05
20524	37	2677	8	59	9	5	<0.01	0.73	2.08	25%	1.44	0.02	<0.01	0.06
20525	3	147	<2	39	4	<1	0.02	0.35	1.38	14%	0.09	0.01	<0.01	0.01
20532	2	30	2	10	4	<1	<0.01	0.16	0.05	21%	0.01	0.10	<0.01	0.01
20533	2	505	2	341	3	<1	<0.01	0.09	11%	16%	0.22	0.03	<0.01	0.02
20534	3	14	<2	9	5	<1	<0.01	0.07	0.07	30%	<0.01	0.01	<0.01	0.04
20535	33	1264	26	198	12	4	0.01	0.62	14%	7.93	0.45	0.07	<0.01	0.05
20536	6	589	<2	79	5	1	<0.01	0.12	4.47	25%	0.07	0.03	<0.01	<0.01
20537	5	17	<2	4	8	<1	<0.01	0.06	0.08	30%	0.01	0.01	<0.01	<0.01
24251	5	134	22	5	7	1	<0.01	0.63	0.04	2.25	0.09	0.22	<0.01	0.02
24252	11	195	26	8	2	2	<0.01	1.79	0.08	3.50	0.65	0.64	<0.01	0.04
24253	16	215	26	14	1	8	0.01	2.79	0.08	4.10	0.81	0.52	<0.01	0.02
24254	21	438	12	3	9	3	<0.01	2.03	0.02	7.38	0.47	0.05	<0.01	<0.01
24257	<2	40	8	5	3	<1	<0.01	0.08	0.02	3.93	0.01	0.04	<0.01	0.02
24259	6	308	3	2	7	<1	<0.01	0.33	0.02	17%	0.01	<0.01	<0.01	0.03
24260	108	338	13	24	7	6	0.02	2.10	0.31	5.18	1.43	0.55	<0.01	0.19
24261	26	134	7	104	5	2	0.21	1.44	1.05	5.43	0.19	0.07	0.10	0.13
24265	20	1483	<2	38	8	1	<0.01	0.20	1.16	21%	0.51	0.01	<0.01	0.04
24266	17	96	23	281	4	1	0.10	4.14	4.24	1.72	0.25	0.26	0.54	0.23
24268	11	724	46	31	2	1	0.04	0.78	2.11	2.30	0.19	0.05	0.05	0.06
24269	16	789	<2	19	8	3	0.09	1.29	2.15	6.64	0.70	0.01	<0.01	0.13
24270	10	489	<2	15	5	1	0.03	0.30	2.94	6.94	0.15	<0.01	<0.01	<0.01
24271	8	107	<2	26	3	1	0.02	0.73	0.97	10%	0.16	0.04	0.03	0.03
24272	6	236	2	96	4	<1	0.04	1.15	5.21	11%	0.16	0.06	0.17	0.05
24273	27	7566	15	151	10	5	<0.01	0.43	6.95	6.04	2.08	0.04	<0.01	0.07
24274	14	463	257	94	14	3	0.01	0.28	8.95	11%	0.33	0.01	<0.01	0.11
24275	28	492	13	63	5	3	0.03	0.86	4.95	8.38	0.77	0.11	0.10	0.13
24276	2	463	2	64	4	1	<0.01	0.29	7.76	13%	0.32	0.02	<0.01	0.04
24277	13	435	6	82	5	1	0.06	0.94	4.16	7.77	0.43	0.03	0.11	0.06
24278	7	293	3	53	5	<1	0.03	0.61	4.15	5.17	0.18	0.02	0.10	0.08
24280	8	330	41	33	11	<1	0.10	0.37	3.24	6.79	0.12	0.01	0.02	0.05
24284	12	566	11	98	6	1	0.08	1.79	3.00	5.16	0.19	0.05	0.05	0.10
24285	8	602	10	55	6	1	0.04	1.24	5.24	3.30	0.21	0.02	0.06	0.13
24286	10	657	22	26	4	3	0.02	1.16	2.43	9.07	0.59	0.02	<0.01	0.17
24287	4	178	<2	8	4	<1	<0.01	0.14	0.23	26%	0.04	<0.01	<0.01	0.01
24288	17	894	6	26	4	2	0.02	0.75	6.92	7.42	0.49	0.01	<0.01	0.08
24289	12	104	5	18	9	1	0.02	0.48	3.75	22%	0.26	0.03	0.03	0.02
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	Type	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
19502	Soil	0.08	—	1.1	125	127	183	870	14	<3	4	<10	<2	3.7	28	32	88	<5	31
19511	Soil	0.03	—	1.1	116	158	456	679	<5	<3	3	<10	<2	4.5	26	42	215	<5	39
19512	Soil	0.04	—	0.9	70	183	260	691	6	<3	3	<10	<2	3.3	17	32	244	<5	42
19513	Soil	0.03	—	0.6	102	62	139	541	13	<3	3	<10	<2	2.4	23	47	109	<5	22
19514	Soil	0.05	—	0.4	43	29	94	319	<5	<3	1	<10	<2	1.4	10	24	80	<5	19
19518	Soil	0.02	—	2.0	92	554	743	1070	45	<3	3	<10	<2	8.7	18	24	179	<5	26
19519	Soil	0.04	—	0.7	94	145	192	781	13	<3	3	<10	<2	2.9	16	38	148	<5	34
19522	Soil	0.03	—	0.8	58	77	60	279	41	<3	2	<10	<2	2.2	16	29	210	<5	32
19525	Soil	0.05	—	16.4	331	2601	1543	2002	236	<3	2	<10	43	19.8	83	53	113	<5	20
19526	Soil	0.03	—	0.9	181	233	195	846	71	<3	11	<10	39	5.6	46	84	134	<5	47
19527	Soil	0.01	—	0.4	45	21	103	131	<5	<3	4	<10	<2	2.2	14	20	97	<5	31
20522	Soil	0.03	—	1.6	161	101	322	103	<5	<3	4	<10	<2	6.6	63	244	1528	<5	279
20523	Soil	0.24	—	30.0	4679	129	259	4802	26	<3	4	<10	25	7.3	23	25	301	52	30
20526	Soil	<0.01	—	0.2	38	35	96	50	<5	<3	1	<10	<2	1.9	11	19	168	<5	30
20527	Soil	<0.01	—	0.2	20	11	42	71	<5	<3	1	<10	<2	0.8	5	12	439	<5	18
20528	Soil	<0.01	—	0.2	44	49	128	25	<5	<3	3	<10	<2	2.1	15	24	200	<5	22
20529	Soil	<0.01	—	0.5	68	30	216	61	<5	<3	5	<10	<2	3.4	24	47	110	<5	34
20530	Soil	<0.01	—	0.5	62	95	371	75	5	<3	4	<10	<2	3.0	22	37	89	<5	31
20531	Soil	0.01	—	0.6	102	118	316	82	<5	<3	5	<10	<2	3.6	32	56	96	<5	28
22226	Soil	0.27	—	0.8	188	46	103	732	12	<3	2	<10	<2	3.0	20	27	118	12	18
22227	Soil	0.14	—	1.2	271	66	111	2027	18	<3	3	<10	<2	2.6	38	27	88	<5	24
22228	Soil	0.06	—	0.6	138	53	56	981	16	<3	2	<10	<2	2.0	20	22	120	<5	19
22230	Soil	0.02	—	0.3	79	15	76	223	<5	<3	2	<10	<2	1.8	13	27	87	<5	27
22231	Soil	<0.01	—	0.6	73	54	289	174	6	<3	3	<10	<2	3.4	29	49	99	<5	20
22232	Soil	<0.01	—	0.4	82	25	85	261	8	<3	4	<10	<2	3.1	44	70	116	<5	29
22233	Soil	<0.01	—	0.4	36	16	72	272	<5	<3	3	<10	<2	2.1	13	32	90	<5	26
22234	Soil	<0.01	—	0.3	33	17	94	277	<5	<3	2	<10	<2	1.9	20	31	111	<5	28
22235	Soil	<0.01	—	0.3	68	27	83	194	<5	<3	2	<10	<2	2.1	30	41	74	<5	24
22237	Soil	<0.01	—	0.4	155	19	114	172	<5	<3	3	<10	<2	3.2	49	67	164	<5	26
22238	Soil	0.01	—	0.4	70	21	103	95	<5	<3	3	<10	<2	2.4	28	48	117	<5	28
22239	Soil	<0.01	—	0.5	134	20	88	216	<5	<3	3	<10	<2	2.8	30	48	139	<5	37
22240	Soil	<0.01	—	0.3	25	8	84	33	<5	<3	3	<10	<2	1.4	8	22	92	<5	26
22241	Soil	0.01	—	0.4	30	12	89	20	<5	<3	3	<10	<2	1.9	14	29	224	<5	35
22242	Soil	<0.01	—	0.5	61	10	123	27	<5	<3	2	<10	<2	2.1	18	48	175	<5	30
22243	Soil	<0.01	—	0.3	32	12	124	54	<5	<3	2	<10	<2	2.1	19	36	295	<5	54
22244	Soil	0.01	—	0.5	43	15	106	83	<5	<3	3	<10	<2	1.7	17	31	167	<5	44
22245	Soil	<0.01	—	0.5	36	14	125	55	<5	<3	4	<10	<2	2.0	16	31	142	<5	40
22246	Soil	0.01	—	0.3	29	16	127	62	<5	<3	1	<10	<2	1.8	19	37	160	<5	45
22247	Soil	<0.01	—	0.4	46	36	113	262	<5	<3	1	<10	<2	2.1	19	38	189	<5	46
Minimum Detection		0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		9999.00	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
19502	69	1759	48	82	5	12	0.05	1.18	2.12	5.89	0.66	0.22	<0.01	0.24
19511	85	881	19	139	8	7	0.13	4.23	1.99	5.25	3.03	0.64	0.17	0.08
19512	86	638	16	144	8	6	0.11	4.03	2.30	4.26	2.69	0.69	0.20	0.10
19513	45	748	19	85	2	1	0.03	2.21	1.28	3.27	0.57	0.10	0.06	0.14
19514	31	424	16	40	1	1	0.02	2.19	0.83	1.95	0.40	0.05	0.02	0.11
19518	59	2490	55	30	3	8	0.02	1.35	0.51	5.82	0.47	0.09	<0.01	0.11
19519	76	835	25	37	1	3	0.03	1.75	0.39	4.03	0.62	0.06	<0.01	0.12
19522	58	483	13	195	4	4	0.06	2.93	1.66	4.67	1.15	0.29	<0.01	0.06
19525	29	3651	30	169	4	6	0.03	2.85	1.45	13%	0.68	0.09	<0.01	0.13
19526	75	1065	26	90	4	7	0.04	2.52	0.26	9.78	1.15	0.09	<0.01	0.30
19527	68	635	13	19	1	1	0.04	2.28	0.11	4.65	0.53	0.10	<0.01	0.11
20522	174	2147	23	41	3	25	0.01	2.98	0.92	8.75	3.27	0.04	<0.01	0.16
20523	89	2670	33	141	5	22	<0.01	0.67	2.42	9.32	0.45	0.08	<0.01	0.05
20526	56	636	14	11	<1	1	0.01	1.78	0.11	3.82	0.42	0.05	<0.01	0.11
20527	22	304	18	89	2	2	0.01	1.26	1.99	1.81	0.33	0.04	<0.01	0.19
20528	40	1180	17	37	1	1	<0.01	1.07	0.60	4.30	0.29	0.06	<0.01	0.18
20529	89	1193	18	232	6	4	0.09	3.24	2.34	4.74	1.68	0.29	0.22	0.13
20530	79	889	15	136	4	2	0.05	3.18	1.33	4.45	1.30	0.13	0.10	0.13
20531	63	924	20	193	4	3	0.06	3.14	1.40	5.74	0.89	0.15	0.15	0.14
22226	86	1059	58	44	2	6	0.02	1.38	0.44	5.98	0.41	0.09	<0.01	0.21
22227	35	1149	31	16	1	2	0.02	1.80	0.34	4.54	0.39	0.13	<0.01	0.28
22228	20	442	24	18	1	2	0.02	1.16	0.07	4.28	0.32	0.32	<0.01	0.10
22230	47	375	23	15	2	2	0.05	1.67	0.09	3.78	0.38	0.11	<0.01	0.06
22231	45	973	23	117	2	2	0.03	2.50	0.91	5.68	0.48	0.06	0.03	0.13
22232	47	815	45	49	3	4	0.04	1.72	0.14	6.36	0.52	0.15	<0.01	0.16
22233	42	390	21	28	1	1	0.03	1.68	0.07	4.56	0.38	0.07	<0.01	0.07
22234	50	663	15	35	1	1	0.05	1.93	0.14	3.91	0.47	0.08	<0.01	0.06
22235	45	796	18	33	1	1	0.04	1.47	0.09	4.31	0.39	0.07	<0.01	0.06
22237	50	2040	42	17	4	4	0.03	1.37	0.07	5.96	0.39	0.19	<0.01	0.09
22238	50	1069	28	27	3	3	0.06	1.58	0.17	4.70	0.50	0.12	<0.01	0.12
22239	48	1011	31	25	3	4	0.05	1.42	0.14	5.81	0.47	0.15	<0.01	0.12
22240	52	294	11	21	<1	<1	0.01	1.50	0.08	3.37	0.38	0.06	<0.01	0.11
22241	66	838	18	17	<1	1	0.03	1.74	0.19	4.23	0.72	0.07	<0.01	0.11
22242	55	571	21	75	3	3	0.04	1.64	1.09	3.84	1.31	0.15	<0.01	0.13
22243	98	837	17	51	2	5	0.14	3.68	0.53	4.28	1.52	0.24	0.02	0.11
22244	116	762	18	70	4	4	0.10	3.51	0.65	3.77	2.01	0.18	0.04	0.08
22245	110	709	15	33	5	3	0.10	3.36	0.35	3.95	1.46	0.15	<0.01	0.10
22246	60	584	15	83	4	4	0.11	4.13	0.99	3.54	1.42	0.23	0.08	0.06
22247	58	837	19	103	4	5	0.12	3.65	1.14	3.76	1.34	0.27	0.10	0.06
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Client : Homestake Canada Inc
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168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
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Sample Name	Type	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
22248	Soil	<0.01	—	<0.1	30	17	68	61	<5	<3	2	<10	<2	2.0	17	24	225	<5	38
22249	Soil	<0.01	—	<0.1	60	22	65	75	<5	<3	2	<10	<2	2.1	28	33	452	<5	32
22250	Soil	<0.01	—	<0.1	25	10	76	80	<5	<3	2	<10	<2	1.6	15	27	171	<5	50
22251	Soil	0.03	—	<0.1	33	9	50	189	<5	<3	1	<10	<2	1.4	16	26	204	<5	50
22252	Soil	<0.01	—	<0.1	36	12	59	83	<5	<3	2	<10	<2	1.7	17	29	143	<5	45
22253	Soil	<0.01	—	<0.1	38	13	54	108	<5	<3	1	<10	<2	1.1	13	21	150	<5	37
22254	Soil	0.06	—	1.0	795	36	88	1202	10	<3	4	87	3	3.4	34	54	191	49	32
22255	Soil	0.01	—	0.2	212	20	154	473	12	<3	3	<10	<2	2.7	37	52	456	<5	44
22256	Soil	0.22	—	0.3	431	33	73	1463	11	<3	3	<10	9	3.0	34	70	203	26	31
22257	Soil	0.02	—	0.6	620	91	219	1.0%	51	<3	7	<10	244	6.0	43	67	146	<5	25
22258	Soil	0.02	—	0.4	187	29	127	672	6	<3	4	<10	15	3.0	27	49	224	<5	31
22259	Soil	0.02	—	0.3	128	16	106	516	<5	<3	2	<10	<2	2.0	19	37	228	<5	33
22260	Soil	0.02	—	0.2	107	43	105	333	5	<3	3	<10	<2	1.6	14	30	176	<5	33
22261	Soil	0.17	—	2.4	648	262	205	3692	37	<3	4	<10	79	3.3	21	44	214	<5	35
22262	Soil	0.44	—	0.2	54	39	74	618	8	<3	3	<10	9	1.5	11	26	107	<5	31
22263	Soil	0.34	—	2.9	82	290	159	2148	22	<3	5	<10	47	2.5	19	31	163	<5	38
22264	Soil	<0.01	—	0.2	56	23	109	199	<5	<3	1	<10	<2	1.4	13	30	214	<5	32
22265	Soil	<0.01	—	<0.1	69	19	78	182	5	<3	2	<10	<2	1.4	8	25	121	<5	29
22266	Soil	0.13	—	0.4	109	34	149	1421	18	<3	2	<10	11	1.7	46	30	200	<5	25
22267	Soil	0.05	—	0.2	230	23	105	419	7	<3	5	<10	<2	2.3	33	94	396	<5	85
22268	Soil	<0.01	—	0.4	177	25	141	146	6	<3	4	<10	<2	3.0	42	162	1716	<5	117
22269	Soil	<0.01	—	0.8	23	150	148	32	<5	<3	<1	<10	<2	1.9	10	24	133	<5	22
22270	Soil	0.01	—	1.0	19	125	77	24	<5	<3	1	<10	<2	1.3	9	20	145	<5	23
22271	Soil	<0.01	—	0.6	19	179	73	43	<5	<3	2	<10	<2	1.5	14	19	131	<5	24
22272	Soil	<0.01	—	<0.1	16	19	62	12	<5	<3	2	<10	<2	1.3	7	14	72	<5	21
22273	Soil	<0.01	—	<0.1	17	28	77	20	<5	<3	1	<10	<2	1.4	8	17	121	<5	28
22274	Soil	<0.01	—	0.1	25	34	57	19	<5	<3	4	<10	<2	1.1	6	13	194	<5	20
22275	Soil	0.01	—	<0.1	14	11	71	11	<5	<3	<1	<10	<2	1.2	9	20	193	<5	24
22276	Soil	0.01	—	0.6	111	35	161	294	<5	<3	5	<10	<2	3.4	29	59	202	<5	29
22277	Soil	0.02	—	0.5	67	34	197	71	5	<3	5	<10	<2	3.2	25	48	137	<5	35
22278	Soil	0.01	—	0.4	60	44	198	75	<5	<3	5	<10	<2	2.9	23	46	120	<5	53
22279	Soil	<0.01	—	0.4	76	37	178	75	5	<3	5	<10	<2	3.0	24	48	119	<5	49
24255	Soil	0.01	—	0.7	151	61	79	101	6	<3	3	<10	<2	2.4	27	37	98	<5	18
24256	Soil	<0.01	—	0.5	81	39	67	39	<5	<3	4	<10	<2	2.8	26	43	157	<5	57
24258	Soil	0.01	—	0.3	80	32	51	733	17	<3	3	<10	28	2.4	7	14	65	<5	25
24262	Soil	0.01	—	0.8	200	91	647	80	7	<3	14	<10	<2	12.0	79	88	99	<5	17
24263	Soil	0.01	—	0.4	122	20	91	140	<5	<3	11	<10	<2	5.6	30	44	70	<5	35
24264	Soil	0.02	—	0.4	107	19	77	234	<5	<3	9	<10	<2	4.1	38	60	200	<5	36
24267	Soil	0.01	—	1.0	215	27	200	70	9	<3	17	<10	<2	4.3	24	71	166	<5	31
Minimum Detection		0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		9999.00	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Vancouver, B.C
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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
22248	100	399	12	19	4	4	0.16	2.16	0.26	4.10	0.95	0.16	<0.01	0.05
22249	120	613	16	47	5	5	0.22	2.28	0.69	4.89	1.25	0.40	<0.01	0.10
22250	61	580	17	177	5	5	0.13	4.47	2.31	3.32	1.60	0.18	0.25	0.09
22251	78	626	12	105	3	3	0.10	3.25	1.88	3.02	1.11	0.15	0.12	0.09
22252	62	561	13	184	4	4	0.12	3.66	3.16	3.24	1.25	0.28	0.27	0.05
22253	41	517	10	170	3	3	0.08	3.10	3.42	2.46	1.05	0.18	0.20	0.07
22254	62	682	19	47	3	4	0.10	2.37	0.34	6.99	0.76	0.27	<0.01	0.13
22255	92	803	21	133	4	6	0.06	3.29	0.72	4.79	1.11	0.49	0.01	0.09
22256	65	514	17	97	4	4	0.08	2.40	0.40	6.16	0.68	0.22	<0.01	0.12
22257	61	1167	37	120	4	6	0.03	2.20	0.43	8.82	0.35	0.05	0.06	0.17
22258	58	487	14	49	2	3	0.06	3.27	0.26	4.99	0.55	0.07	0.02	0.10
22259	64	506	18	42	2	4	0.09	2.83	0.39	3.97	0.68	0.12	0.01	0.12
22260	66	600	14	35	<1	1	0.03	3.00	0.22	3.07	0.71	0.07	<0.01	0.13
22261	74	515	37	73	1	5	0.02	2.20	0.60	4.91	0.78	0.08	<0.01	0.16
22262	59	326	13	15	1	2	0.04	2.02	0.14	3.39	0.49	0.05	<0.01	0.06
22263	67	854	22	30	1	2	0.02	1.98	0.23	4.46	0.54	0.08	<0.01	0.10
22264	60	485	21	38	1	3	0.06	2.39	0.36	3.04	0.69	0.07	<0.01	0.10
22265	55	326	15	17	1	1	0.03	1.86	0.19	2.92	0.44	0.05	<0.01	0.09
22266	35	538	21	47	3	3	0.01	1.76	1.28	2.95	0.62	0.05	0.01	0.12
22267	84	459	14	62	2	2	0.05	2.61	0.63	4.49	1.85	0.12	0.01	0.11
22268	103	452	14	88	4	7	0.13	3.16	1.12	4.96	2.87	0.64	0.09	0.13
22269	34	923	21	17	1	2	0.02	1.18	0.13	3.06	0.32	0.09	<0.01	0.05
22270	37	529	15	13	<1	2	0.03	1.21	0.13	2.70	0.37	0.06	<0.01	0.05
22271	42	2243	9	15	<1	1	0.02	1.46	0.10	3.04	0.35	0.07	<0.01	0.09
22272	43	394	9	10	<1	1	0.02	1.09	0.05	2.80	0.21	0.06	<0.01	0.05
22273	45	392	12	12	1	1	0.03	1.39	0.07	2.97	0.38	0.06	<0.01	0.06
22274	32	220	26	34	<1	1	0.01	1.11	0.12	2.80	0.26	0.11	<0.01	0.07
22275	31	347	32	38	1	5	0.02	1.28	0.73	2.84	0.72	0.06	<0.01	0.10
22276	75	1168	23	130	9	5	0.05	2.17	1.25	6.13	1.94	0.31	0.03	0.14
22277	97	1172	18	187	6	5	0.08	2.82	1.70	4.90	1.89	0.33	0.07	0.13
22278	155	710	19	215	11	7	0.16	4.22	1.74	4.86	2.52	0.27	0.20	0.11
22279	142	976	20	216	8	6	0.14	4.11	1.91	4.81	2.30	0.31	0.21	0.12
24255	33	1440	39	22	4	3	0.02	1.01	0.06	5.35	0.31	0.13	<0.01	0.08
24256	42	851	51	37	2	5	0.03	1.14	0.06	6.02	0.35	0.20	<0.01	0.12
24258	26	249	44	19	5	4	0.01	0.79	0.03	5.28	0.10	0.09	<0.01	0.10
24262	66	1066	17	174	9	3	0.07	5.12	0.39	14%	0.39	0.20	0.06	0.25
24263	110	713	23	519	10	8	0.12	4.49	0.31	10%	1.67	1.15	0.03	0.18
24264	98	981	26	83	4	5	0.10	3.13	0.14	8.20	1.24	0.60	<0.01	0.13
24267	104	560	16	112	3	1	0.02	2.71	0.25	5.63	0.64	0.18	0.02	0.25
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	Type	Au g/mt	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
24279	Soil	0.04	—	1.1	171	69	56	137	8	<3	23	<10	<2	7.4	7	16	41	<5	43
24280	Soil	0.04	—	1.5	236	55	100	170	7	<3	23	<10	<2	5.3	6	22	40	<5	40
24281	Soil	0.01	—	1.2	391	45	88	174	9	<3	27	<10	<2	7.1	22	68	155	<5	28
24282	Soil	0.25	—	1.3	445	65	103	17%	178	<3	6	<10	162	10.4	60	36	<2	<5	15
24283	Soil	0.03	—	1.8	1295	30	93	1.4%	17	<3	1	<10	18	4.8	24	42	50	<5	16
L2+50W 0+62.5S	Soil	0.12	—	0.3	96	16	73	958	<5	<3	3	<10	<2	1.6	9	24	112	<5	27
L2+50W 0+87.5S	Soil	0.06	—	0.4	99	20	66	1013	<5	<3	2	<10	<2	1.5	13	22	125	<5	25
L3+00W 0+62.5S	Soil	0.07	—	0.4	99	14	65	1193	<5	<3	3	<10	2	1.5	10	23	92	<5	25
L3+00W 0+87.5S	Soil	0.04	—	0.3	92	20	74	1124	<5	<3	3	<10	<2	1.7	10	25	123	<5	26
L3+00W 1+12.5S	Soil	0.04	—	0.2	58	14	62	514	<5	<3	2	<10	4	1.3	11	23	91	<5	26
19505	Silt	0.11	—	0.6	104	35	200	201	5	<3	6	<10	<2	4.3	28	61	190	<5	36
19510	Silt	0.06	—	0.6	57	147	170	107	38	<3	2	<10	<2	2.8	18	35	225	<5	47
Minimum Detection		0.01	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		9999.00	1000.00	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000
Method		FA/AAS	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98F0596

Client : Homestake Canada Inc
Project: 90822 Yukon

168 Samples
78=Rock 88=Soil 2=Silt

[059615:49:28:89063098]

Out: Jun 26, 1998
In : Jun 24, 1998

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
24279	210	508	20	280	8	4	0.08	2.04	0.82	13%	0.85	0.69	0.12	0.86
24280	185	571	25	160	7	4	0.06	1.46	0.52	9.89	0.60	0.61	0.06	0.61
24281	96	831	22	67	8	5	0.03	1.35	0.31	12%	0.45	0.41	<0.01	0.38
24282	16	2558	19	87	5	4	<0.01	1.13	1.34	22%	0.24	0.03	<0.01	0.08
24283	18	1367	18	51	2	3	0.01	1.34	1.36	8.23	0.39	0.02	<0.01	0.15
L2+50W 0+62.5S	48	304	19	17	1	2	0.04	1.95	0.15	3.41	0.51	0.10	<0.01	0.07
L2+50W 0+87.5S	39	497	21	26	1	1	0.03	1.67	0.27	3.28	0.45	0.09	<0.01	0.08
L3+00W 0+62.5S	41	328	18	17	1	2	0.03	1.73	0.17	3.25	0.45	0.08	<0.01	0.07
L3+00W 0+87.5S	42	380	20	19	1	1	0.03	1.81	0.17	3.64	0.47	0.09	<0.01	0.07
L3+00W 1+12.5S	44	356	16	14	1	2	0.04	1.66	0.12	3.25	0.44	0.07	<0.01	0.05
19505	90	840	22	151	5	5	0.09	2.88	1.11	6.16	1.41	0.36	0.07	0.15
19510	68	817	25	149	6	7	0.11	3.92	2.15	4.13	2.03	0.57	0.19	0.13
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
IPL 98D0338

Homestake Canada Inc
Project : 90820 Yukon
Shipper : Dominic Bordin
Shipment: PO#:

207 Samples Out: Apr 24, 1998 In: Apr 14, 1998 [033809:36:19:890424

Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION
B111	207	Soil	Dry & sift to -80 mesh, discard reject.

NS=No Sample Rep=Replicate M=Month Dis=Dis

PULP 12M/Dis RE 00M

Document Distribution

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Ph:604/684-2345
Fx:604/684-9831
Em:dkuran@homestake.com

2 Homestake Canada Inc.
Yukon
Canada
Att: Dom Bordin (E-mail)

EN	RT	CC	IN	FX
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DL	3D	EM	BT	BL
0	0	0	0	0

Ph:403/993-5700
Fx:403/993-5076
Em:yukonexp@homestake.com

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	10000
07	0702	ICP	ppm	Sb ICP	Antimony	5	1000
08	0732	ICP	ppm	Hg ICP	Mercury	3	10000
09	0717	ICP	ppm	Mo ICP	Molybdenum	1	1000
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
11	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
13	0710	ICP	ppm	Co ICP	Cobalt	1	10000
14	0718	ICP	ppm	Ni ICP	Nickel	1	10000
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
18	0729	ICP	ppm	V ICP	Vanadium	2	10000
19	0716	ICP	ppm	Mn ICP	Manganese	1	10000
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
22	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
23	0736	ICP	ppm	Sc ICP	Scandium	1	10000
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
27	0712	ICP	%	Fe ICP	Iron	0.01	10.00
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

JAVA Soil GRID

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DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C03430406
* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

APR-24-98 09:45 AM INTERNATIONAL+ 604 879 7898 P.01

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CERTIFICATE OF ANALYSIS
iPL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207-Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	Type	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm
BL 0+00 N	Soil	24	0.1	74	20	81	892	<5	<3	4	<10	9	2.2	13	26	111	<5	28	51	404
BL 0+12.5N	Soil	16	<0.1	52	17	75	143	<5	<3	4	<10	<2	1.6	15	29	126	<5	23	44	435
BL 0+25 N	Soil	17	<0.1	58	22	94	115	<5	<3	3	<10	<2	2.1	18	34	179	<5	28	52	489
BL 0+37.5N	Soil	21	<0.1	39	19	79	86	<5	<3	4	<10	<2	1.8	13	26	119	<5	29	55	407
BL 0+50 N	Soil	6	<0.1	34	21	74	116	<5	<3	5	<10	<2	2.0	13	22	125	<5	30	61	428
BL 0+62.5N	Soil	7	<0.1	29	18	62	97	<5	<3	4	<10	<2	1.7	13	24	108	<5	31	63	409
BL 0+75 N	Soil	4	<0.1	22	14	59	102	<5	<3	5	<10	<2	2.0	10	16	75	<5	33	80	468
BL 0+87.5N	Soil	10	<0.1	52	19	57	119	<5	<3	4	<10	<2	2.0	14	23	82	<5	25	45	509
BL 1+00 N	Soil	8	<0.1	29	14	58	194	<5	<3	4	<10	<2	1.8	10	18	67	<5	28	59	402
BL 1+12.5N	Soil	23	<0.1	76	18	67	434	<5	<3	3	<10	<2	1.8	10	21	96	<5	29	54	289
BL 1+25 N	Soil	18	0.1	59	17	65	304	<5	<3	4	<10	<2	1.8	12	22	88	<5	29	58	420
BL 1+37.5N	Soil	62	0.3	191	29	77	1159	<5	<3	5	<10	2	2.3	19	31	151	<5	32	49	563
BL 1+50 N	Soil	32	0.2	106	21	80	602	<5	<3	4	<10	<2	2.2	13	28	113	<5	33	58	374
BL 1+62.5N	Soil	45	<0.1	96	15	75	818	<5	<3	3	<10	<2	1.7	18	29	116	10	28	47	545
BL 1+75 N	Soil	58	<0.1	131	19	70	1110	<5	<3	3	<10	<2	1.8	17	27	109	<5	28	48	470
BL 0+12.5S	Soil	15	0.2	122	16	75	313	<5	<3	4	<10	<2	1.9	11	27	101	<5	26	47	356
BL 0+25 S	Soil	28	0.1	38	15	70	142	<5	<3	4	<10	<2	1.8	13	26	105	<5	29	55	359
BL 0+37.5S	Soil	23	0.1	58	16	73	236	<5	<3	3	<10	<2	1.9	13	27	115	<5	27	50	347
BL 0+50 S	Soil	456	0.4	122	18	60	553	<5	<3	3	<10	2	2.1	14	21	74	5	17	31	477
BL 0+62.5S	Soil	45	0.1	67	16	56	492	<5	<3	4	<10	<2	1.9	10	23	76	<5	23	45	276
BL 0+75 S	Soil	62	0.1	71	15	64	634	<5	<3	4	<10	2	1.8	13	24	100	<5	26	50	415
BL 0+87.5S	Soil	38	<0.1	39	24	94	193	<5	<3	3	<10	<2	2.0	20	26	97	<5	27	46	769
BL 1+00 S	Soil	22	<0.1	51	18	65	187	<5	<3	2	<10	<2	1.4	11	23	75	<5	21	38	282
BL 1+12.5S	Soil	24	0.2	65	24	84	265	<5	<3	4	<10	<2	2.1	17	30	116	<5	30	57	475
BL 1+25 S	Soil	28	<0.1	38	18	70	177	<5	<3	3	<10	<2	1.9	13	23	90	<5	25	55	360
BL 1+37.5S	Soil	26	<0.1	75	15	73	289	<5	<3	2	<10	<2	1.5	13	28	96	<5	21	39	330
BL 1+50 S	Soil	28	0.1	87	18	69	266	<5	<3	3	<10	<2	1.8	16	29	100	<5	23	44	391
BL 1+62.5S	Soil	26	<0.1	58	13	54	337	<5	<3	2	<10	<2	1.6	13	23	77	<5	24	49	353
BL 1+75 S	Soil	42	0.3	233	24	75	504	<5	<3	4	<10	<2	2.0	14	32	151	<5	29	51	278
BL 1+87.5S	Soil	29	<0.1	79	22	66	323	<5	<3	5	<10	<2	2.3	11	22	105	<5	33	70	273
BL 2+00 S	Soil	23	<0.1	171	23	82	469	<5	<3	4	<10	<2	2.2	12	28	126	<5	33	68	328
LO+50E 0+00 N BL	Soil	22	<0.1	28	21	68	74	<5	<3	3	<10	<2	1.7	16	29	114	<5	23	42	426
LO+50E 0+12.5N	Soil	14	<0.1	33	20	64	142	<5	<3	4	<10	<2	1.9	15	26	117	<5	29	51	435
LO+50E 0+25 N	Soil	8	<0.1	18	14	48	38	<5	<3	4	<10	<2	1.8	8	15	74	<5	26	71	401
LO+50E 0+37.5N	Soil	11	<0.1	32	19	73	98	<5	<3	3	<10	<2	1.7	16	29	107	<5	24	43	476
LO+50E 0+50 N	Soil	16	<0.1	33	33	65	108	<5	<3	2	<10	<2	1.9	15	28	93	<5	21	34	358
LO+50E 0+62.5N	Soil	8	<0.1	36	17	62	101	<5	<3	3	<10	<2	1.7	14	24	130	<5	26	50	419
LO+50E 0+75 N	Soil	12	<0.1	33	18	68	122	<5	<3	4	<10	<2	1.9	11	23	94	<5	29	58	291
LO+50E 0+87.5N	Soil	10	<0.1	43	14	59	286	<5	<3	2	<10	<2	1.4	16	28	94	<5	18	32	369
Minimum Detection		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1
Maximum Detection		10000	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000	10000	10000
Method		FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:46 AM INTERNATIONAL+ 604 879 7898 P.02

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CERTIFIC TE OF ANALYSIS
irL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
BL 0+00 N	15	17	2	3	0.05	2.03	0.15	3.31	0.55	0.06	<0.01	0.08
BL 0+12.5N	18	20	2	3	0.06	1.76	0.19	2.75	0.49	0.07	<0.01	0.08
BL 0+25 N	20	28	3	4	0.07	1.98	0.21	3.24	0.60	0.09	<0.01	0.09
BL 0+37.5N	17	17	1	3	0.06	2.18	0.14	2.95	0.57	0.07	<0.01	0.07
BL 0+50 N	16	18	1	2	0.06	2.23	0.15	3.16	0.60	0.10	<0.01	0.08
BL 0+62.5N	17	16	1	2	0.05	2.13	0.13	3.06	0.49	0.06	<0.01	0.06
BL 0+75 N	15	12	1	2	0.07	1.60	0.08	3.47	0.37	0.06	<0.01	0.06
BL 0+87.5N	18	11	1	2	0.04	1.81	0.08	3.38	0.35	0.06	<0.01	0.05
BL 1+00 N	12	11	1	1	0.05	1.48	0.10	3.06	0.34	0.04	<0.01	0.07
BL 1+12.5N	18	16	1	2	0.04	1.88	0.12	3.17	0.51	0.07	<0.01	0.08
BL 1+25 N	15	14	1	2	0.05	1.79	0.11	3.20	0.47	0.06	<0.01	0.07
BL 1+37.5N	26	27	1	2	0.03	2.03	0.21	3.80	0.55	0.09	<0.01	0.09
BL 1+50 N	19	18	1	2	0.04	2.03	0.14	3.42	0.54	0.06	<0.01	0.07
BL 1+62.5N	24	25	1	3	0.06	1.40	0.28	2.83	0.50	0.07	<0.01	0.11
BL 1+75 N	25	37	1	3	0.06	1.68	0.26	2.79	0.52	0.08	<0.01	0.10
BL 0+12.5S	14	16	1	2	0.05	2.01	0.13	2.96	0.49	0.07	<0.01	0.08
BL 0+25 S	17	15	1	3	0.06	1.95	0.13	2.90	0.51	0.06	<0.01	0.06
BL 0+37.5S	17	14	1	2	0.04	1.99	0.11	3.09	0.49	0.05	<0.01	0.07
BL 0+50 S	22	11	1	1	0.02	1.34	0.08	3.48	0.28	0.06	<0.01	0.08
BL 0+62.5S	16	12	1	2	0.03	1.79	0.08	3.28	0.38	0.04	<0.01	0.06
BL 0+75 S	16	13	1	2	0.04	2.00	0.11	3.44	0.46	0.06	<0.01	0.06
BL 0+87.5S	18	12	2	2	0.04	2.27	0.10	3.41	0.45	0.06	<0.01	0.08
BL 1+00 S	17	18	2	2	0.05	1.30	0.24	2.42	0.42	0.05	<0.01	0.08
BL 1+12.5S	20	15	2	3	0.05	2.30	0.15	3.66	0.52	0.08	<0.01	0.07
BL 1+25 S	16	16	1	1	0.05	1.75	0.13	3.08	0.38	0.05	<0.01	0.07
BL 1+37.5S	17	18	2	3	0.05	1.47	0.20	2.57	0.42	0.05	<0.01	0.07
BL 1+50 S	19	16	1	2	0.05	1.77	0.14	3.00	0.45	0.05	<0.01	0.06
BL 1+62.5S	18	15	1	2	0.05	1.36	0.18	2.88	0.36	0.04	<0.01	0.07
BL 1+75 S	27	18	1	2	0.04	2.22	0.11	3.80	0.53	0.06	<0.01	0.08
BL 1+87.5S	18	14	1	2	0.04	2.06	0.09	3.67	0.42	0.04	<0.01	0.07
BL 2+00 S	25	16	1	3	0.07	2.01	0.11	3.72	0.57	0.10	<0.01	0.05
LO+50E 0+00 N BL	14	16	3	3	0.05	2.10	0.14	2.64	0.46	0.07	<0.01	0.05
LO+50E 0+12.5N	14	18	2	3	0.06	2.99	0.13	3.15	0.50	0.07	<0.01	0.09
LO+50E 0+25 N	13	11	<1	1	0.06	1.71	0.08	3.13	0.28	0.05	<0.01	0.04
LO+50E 0+37.5N	14	13	1	2	0.05	1.78	0.11	2.82	0.49	0.06	<0.01	0.05
LO+50E 0+50 N	14	14	2	2	0.04	2.25	0.11	2.81	0.34	0.05	<0.01	0.08
LO+50E 0+62.5N	14	16	1	2	0.05	2.35	0.13	2.95	0.51	0.06	<0.01	0.07
LO+50E 0+75 N	14	18	1	2	0.06	2.05	0.15	3.28	0.50	0.05	<0.01	0.07
LO+50E 0+87.5N	13	16	2	2	0.04	1.38	0.12	2.36	0.36	0.05	<0.01	0.04
Minimum Detection	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:47 AM INTERNATIONAL+ 604 879 7898 P.03

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CERTIFIC TE OF ANALYSIS
irL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	Type	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm
L0+50E 1+00 N	Soil	10	<0.1	44	20	50	197	<5	<3	3	<10	<2	1.9	12	17	83	<5	20	49
L0+50E 1+12.5N	Soil	22	<0.1	34	21	31	846	<5	<3	3	<10	<2	2.0	10	16	37	<5	10	27
L0+50E 1+25 N	Soil	7	<0.1	24	14	54	142	<5	<3	2	<10	<2	1.6	8	18	65	<5	23	51
L0+50E 1+37.5N	Soil	11	<0.1	47	14	78	172	<5	<3	4	<10	<2	1.8	14	27	155	<5	35	63
L0+50E 1+50 N	Soil	15	<0.1	67	11	72	273	<5	<3	2	<10	<2	1.8	18	31	126	<5	28	50
L0+50E 0+25 S	Soil	21	<0.1	29	21	56	79	<5	<3	4	<10	<2	1.9	8	19	86	<5	27	64
L0+50E 0+37.5S	Soil	15	<0.1	51	15	62	234	<5	<3	3	<10	<2	2.3	12	21	77	<5	30	50
L0+50E 0+50 S	Soil	<2	<0.1	11	24	87	52	<5	<3	4	<10	<2	2.2	12	20	175	<5	31	51
L0+50E 0+62.5S	Soil	<2	<0.1	18	15	64	27	<5	<3	4	<10	<2	2.2	9	19	71	<5	32	85
L0+50E 0+75 S	Soil	<2	0.2	16	11	54	34	<5	<3	3	<10	<2	2.1	10	19	70	<5	32	57
L0+50E 0+87.5S	Soil	6	0.2	31	19	51	181	<5	<3	4	<10	<2	2.2	11	18	68	<5	30	59
L0+50E 1+12.5S	Soil	15	<0.1	36	14	68	235	<5	<3	3	<10	<2	2.0	13	21	89	<5	26	45
L0+50E 1+50 S	Soil	19	0.3	207	29	79	408	<5	<3	5	<10	<2	2.4	12	33	141	<5	32	56
L0+50E 1+62.5S	Soil	23	0.3	254	28	86	410	<5	<3	4	<10	<2	2.5	14	34	137	<5	32	57
L0+50E 1+75 S	Soil	20	0.2	202	27	87	385	<5	<3	4	<10	<2	2.5	15	37	153	<5	33	59
L0+50E 1+87.5S	Soil	23	0.2	257	32	90	476	<5	<3	5	<10	<2	2.8	15	38	167	<5	34	62
L0+50E 2+00 S	Soil	38	0.3	288	30	107	758	<5	<3	2	<10	<2	2.2	18	36	175	<5	29	56
L0+50W 0+00 N	Soil	<2	0.1	33	16	72	92	<5	<3	4	<10	<2	2.2	11	21	119	<5	33	72
L0+50W 0+12.5N	Soil	<2	0.2	57	21	83	257	<5	<3	4	<10	<2	2.2	12	27	122	<5	34	68
L0+50W 0+25 N	Soil	8	<0.1	105	14	65	1194	<5	<3	4	<10	<2	2.2	11	24	106	<5	27	56
L0+50W 0+37.5N	Soil	9	0.2	83	14	68	226	<5	<3	3	<10	<2	1.7	15	28	128	<5	24	44
L0+50W 0+50 N	Soil	2	<0.1	47	12	75	138	<5	<3	3	<10	<2	1.9	15	28	107	<5	25	48
L0+50W 0+62.5N	Soil	2	<0.1	44	16	54	180	<5	<3	3	<10	<2	1.9	9	22	100	<5	23	47
L0+50W 0+75 N	Soil	2	0.1	30	14	74	102	<5	<3	2	<10	<2	1.8	15	27	115	<5	28	50
L0+50W 0+87.5N	Soil	<2	0.2	42	16	70	118	<5	<3	4	<10	<2	2.0	13	25	124	<5	32	67
L0+50W 1+00 N	Soil	35	0.2	163	25	84	1236	<5	<3	4	<10	<2	2.4	21	37	162	<5	37	60
L0+50W 1+12.5N	Soil	46	0.3	176	31	87	1417	<5	<3	4	<10	3	2.7	31	34	163	<5	36	54
L0+50W 1+25 N	Soil	8	0.1	54	16	101	349	<5	<3	3	<10	<2	2.2	14	22	102	<5	35	65
L0+50W 1+37.5N	Soil	<2	<0.1	20	13	52	58	<5	<3	4	<10	<2	1.7	9	18	82	<5	28	57
L0+50W 1+50 N	Soil	2	<0.1	30	13	53	88	<5	<3	2	<10	<2	1.6	9	16	71	<5	24	51
L0+50W 1+62.5N	Soil	67	<0.1	68	9	63	266	<5	<3	2	<10	<2	1.4	11	24	129	<5	24	43
L0+50W 1+75 N	Soil	24	<0.1	85	11	77	381	<5	<3	2	<10	<2	1.8	15	31	111	<5	29	52
L0+50W 0+12.5S	Soil	4	<0.1	41	18	73	137	<5	<3	3	<10	<2	1.7	11	22	110	<5	27	51
L0+50W 0+25 S	Soil	4	0.2	50	20	68	199	<5	<3	3	<10	<2	1.7	13	22	118	<5	28	56
L0+50W 0+37.5S	Soil	26	<0.1	46	15	59	570	<5	<3	3	<10	<2	2.1	10	17	71	<5	31	67
L0+50W 0+50 S	Soil	106	<0.1	79	15	67	1285	<5	<3	3	<10	8	2.1	12	22	94	<5	26	49
L0+50W 0+62.5S	Soil	143	0.1	146	22	62	1085	<5	<3	3	<10	13	2.3	11	22	98	11	24	43
L0+50W 0+75 S	Soil	180	0.3	123	19	66	506	<5	<3	4	<10	8	2.0	11	24	100	11	25	50
L0+50W 0+87.5S	Soil	14	0.2	72	25	74	348	<5	<3	4	<10	<2	2.4	14	26	155	<5	33	75
Minimum Detection		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2
Maximum Detection		10000	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000	10000
Method		FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:48 AM INTERNATIONAL+ 604 879 7898 P.04

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CERTIFICATE OF ANALYSIS
iPL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207-Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
LO+50E 1+00 N	19	13	4	3	0.05	1.71	0.14	3.33	0.44	0.04	<0.01	0.06
LO+50E 1+12.5N	30	6	1	2	0.02	0.54	0.02	3.68	0.06	0.02	<0.01	0.03
LO+50E 1+25 N	15	10	1	1	0.04	1.53	0.09	2.88	0.32	0.04	<0.01	0.07
LO+50E 1+37.5N	19	16	1	3	0.06	2.32	0.15	3.22	0.63	0.05	<0.01	0.07
LO+50E 1+50 N	18	16	1	3	0.05	1.99	0.15	3.04	0.53	0.06	<0.01	0.06
LO+50E 0+25 S	15	16	1	1	0.04	1.61	0.10	2.86	0.31	0.05	<0.01	0.08
LO+50E 0+37.5S	15	14	1	2	0.05	1.86	0.14	3.39	0.43	0.05	<0.01	0.06
LO+50E 0+50 S	15	39	1	2	0.04	2.79	0.19	3.37	0.47	0.04	<0.01	0.07
LO+50E 0+62.5S	15	12	1	3	0.08	1.97	0.10	3.70	0.41	0.04	<0.01	0.03
LO+50E 0+75 S	12	11	3	3	0.06	2.50	0.11	3.52	0.40	0.03	<0.01	0.05
LO+50E 0+87.5S	14	9	3	3	0.06	2.57	0.07	3.62	0.30	0.05	<0.01	0.05
LO+50E 1+12.5S	15	14	2	2	0.05	1.96	0.12	3.02	0.42	0.04	<0.01	0.06
LO+50E 1+50 S	35	19	1	2	0.04	2.61	0.12	3.90	0.54	0.09	<0.01	0.12
LO+50E 1+62.5S	29	23	1	3	0.06	2.27	0.16	4.10	0.57	0.09	<0.01	0.09
LO+50E 1+75 S	32	24	1	4	0.06	2.30	0.17	4.06	0.57	0.09	<0.01	0.09
LO+50E 1+87.5S	35	27	1	4	0.06	2.52	0.18	4.42	0.62	0.11	<0.01	0.10
LO+50E 2+00 S	32	31	1	4	0.08	1.86	0.32	3.39	0.57	0.10	<0.01	0.10
LO+50W 0+00 N	17	16	1	2	0.06	2.00	0.11	3.51	0.48	0.10	<0.01	0.10
LO+50W 0+12.5N	16	15	1	2	0.04	2.66	0.10	3.74	0.55	0.08	<0.01	0.09
LO+50W 0+25 N	16	16	1	3	0.05	1.91	0.15	3.66	0.47	0.07	<0.01	0.06
LO+50W 0+37.5N	20	18	2	3	0.05	1.62	0.18	2.66	0.45	0.08	<0.01	0.07
LO+50W 0+50 N	16	16	1	3	0.05	1.86	0.13	2.89	0.50	0.07	<0.01	0.06
LO+50W 0+62.5N	18	12	1	1	0.03	1.84	0.08	3.07	0.34	0.06	<0.01	0.06
LO+50W 0+75 N	17	16	1	3	0.06	2.03	0.14	2.95	0.50	0.07	<0.01	0.05
LO+50W 0+87.5N	21	18	<1	3	0.07	2.33	0.16	3.24	0.57	0.08	<0.01	0.07
LO+50W 1+00 N	29	26	1	3	0.05	2.35	0.18	3.93	0.60	0.11	<0.01	0.08
LO+50W 1+12.5N	27	29	1	2	0.04	2.19	0.18	4.07	0.57	0.13	<0.01	0.09
LO+50W 1+25 N	17	14	<1	2	0.05	2.27	0.11	3.41	0.51	0.08	<0.01	0.07
LO+50W 1+37.5N	13	12	1	2	0.05	1.80	0.10	2.98	0.38	0.05	<0.01	0.05
LO+50W 1+50 N	14	10	<1	1	0.04	1.58	0.08	2.82	0.35	0.05	<0.01	0.05
LO+50W 1+62.5N	20	16	1	3	0.05	1.41	0.19	2.44	0.46	0.05	<0.01	0.07
LO+50W 1+75 N	22	18	1	3	0.06	1.93	0.19	2.91	0.54	0.06	<0.01	0.07
LO+50W 0+12.5S	16	13	1	2	0.05	1.91	0.11	2.98	0.52	0.07	<0.01	0.07
LO+50W 0+25 S	15	14	1	1	0.04	2.10	0.10	2.95	0.47	0.07	<0.01	0.12
LO+50W 0+37.5S	23	13	1	2	0.08	1.46	0.10	3.65	0.38	0.06	<0.01	0.06
LO+50W 0+50 S	20	18	1	3	0.05	1.69	0.21	3.19	0.49	0.08	<0.01	0.08
LO+50W 0+62.5S	21	14	1	2	0.04	1.86	0.14	3.65	0.42	0.08	<0.01	0.06
LO+50W 0+75 S	20	16	1	2	0.04	1.80	0.12	3.39	0.43	0.07	<0.01	0.06
LO+50W 0+87.5S	20	19	1	3	0.07	2.64	0.13	3.89	0.56	0.11	<0.01	0.08
Minimum Detection	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:49 AM INTERNATIONAL+ 604 879 7898 P.05

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CERTIFICATE OF ANALYSIS
irL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	Type	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	
L0+50W 1+00 S	Soil	27	0.2	52	16	82	212	<5	<3	3	<10	<2	1.8	15	25	107	<5	27	51	4
L0+50W 1+12.5S	Soil	31	0.1	70	19	83	425	<5	<3	2	<10	<2	1.9	13	25	107	<5	26	48	3
L0+50W 1+25 S	Soil	13	0.2	57	21	82	330	<5	<3	3	<10	<2	1.9	11	26	114	<5	29	56	3
L0+50W 1+37.5S	Soil	25	0.1	92	23	72	351	<5	<3	3	<10	<2	2.0	11	24	123	<5	26	53	3
L0+50W 1+50 S	Soil	76	0.4	100	28	76	393	<5	<3	3	<10	<2	2.1	12	23	114	<5	27	52	2
L0+50W 1+62.5S	Soil	30	0.2	106	22	70	294	<5	<3	3	<10	<2	1.9	12	27	125	<5	25	49	2
L0+50W 1+75 S	Soil	287	0.3	191	19	60	653	<5	<3	2	<10	14	2.0	14	21	92	23	20	39	3
L0+50W 1+87.5S	Soil	101	0.2	100	23	71	401	<5	<3	3	<10	<2	2.0	11	23	110	5	26	53	3
L0+50W 2+00 S	Soil	16	0.3	77	28	63	213	<5	<3	3	<10	<2	1.6	10	21	97	<5	22	48	2
L1+00E 0+25 N	Soil	9	<0.1	39	13	77	140	<5	<3	3	<10	<2	1.9	11	22	110	<5	32	62	3
L1+00E 0+37.5N	Soil	21	0.4	184	45	115	859	<5	<3	5	<10	<2	2.9	33	45	152	<5	41	56	11
L1+00E 0+50 N	Soil	26	0.4	226	53	103	1035	<5	<3	4	<10	3	3.0	25	43	156	<5	42	56	7
L1+00E 0+50 S	Soil	53	0.1	57	17	79	232	<5	<3	4	<10	19	2.8	12	23	94	<5	27	61	4
L1+00E 1+00 S	Soil	8	0.1	32	14	68	94	<5	<3	4	<10	<2	2.1	9	20	91	<5	36	76	3
L1+00E 1+25 S	Soil	2	0.1	22	16	62	33	<5	<3	3	<10	<2	1.9	9	19	67	<5	31	78	3
L1+00E 1+50 S	Soil	12	0.2	164	36	91	350	<5	<3	4	<10	<2	2.7	21	39	188	<5	33	59	5
L1+00E 1+62.5S	Soil	21	0.3	182	27	82	413	<5	<3	4	<10	<2	2.4	14	34	147	<5	30	54	3
L1+00E 1+75 S	Soil	7	0.3	138	40	82	247	<5	<3	4	<10	<2	2.4	20	32	159	<5	30	57	6
L1+00E 2+00 S	Soil	35	0.2	151	54	67	666	<5	<3	3	<10	<2	1.8	11	22	110	<5	22	56	2
L1+00E 2+12.5S	Soil	31	0.1	113	24	81	223	<5	<3	3	<10	<2	1.8	17	27	136	<5	25	52	4
L1+00E 2+25 S	Soil	37	0.2	189	23	82	386	<5	<3	3	<10	<2	1.7	15	30	112	<5	24	47	4
L1+00E 2+50 S	Soil	10	0.3	137	63	226	158	<5	<3	7	<10	<2	3.9	40	74	161	<5	28	65	8
L1+00E 2+75 S	Soil	10	0.5	263	60	180	164	<5	<3	12	<10	<2	4.6	28	54	118	<5	28	72	6
L1+00W 0+00 N BL	Soil	8	0.1	62	13	77	368	<5	<3	2	<10	<2	1.9	13	29	133	<5	28	53	3
L1+00W 0+12.5N	Soil	12	0.1	101	18	83	494	<5	<3	4	<10	<2	2.4	18	33	173	<5	33	57	5
L1+00W 0+25 N	Soil	22	<0.1	64	14	67	368	<5	<3	3	<10	<2	1.8	11	22	98	<5	25	49	3
L1+00W 0+37.5N	Soil	18	0.1	67	14	72	354	<5	<3	3	<10	<2	2.1	12	27	126	<5	28	50	3
L1+00W 0+50 N	Soil	11	<0.1	42	12	66	157	<5	<3	3	<10	<2	1.7	13	25	118	6	25	46	3
L1+00W 0+62.5N	Soil	33	0.1	76	16	71	350	<5	<3	3	<10	<2	1.8	12	26	100	<5	27	49	3
L1+00W 0+75 N	Soil	63	0.4	209	28	83	1261	<5	<3	4	<10	<2	2.3	24	38	158	<5	33	48	6
L1+00W 0+87.5N	Soil	64	0.3	213	31	85	1376	<5	<3	4	<10	<2	2.5	24	39	166	<5	34	50	7
L1+00W 1+00 N	Soil	17	0.1	59	18	64	457	<5	<3	3	<10	<2	2.0	14	25	105	<5	31	56	4
L1+00W 1+12.5N	Soil	39	<0.1	58	13	54	456	<5	<3	2	<10	<2	1.6	13	22	92	<5	28	42	2
L1+00W 1+25 N	Soil	10	<0.1	50	11	53	184	<5	<3	2	<10	<2	1.7	12	26	72	<5	23	45	3
L1+00W 1+37.5N	Soil	6	<0.1	19	14	54	81	<5	<3	3	<10	<2	1.8	7	14	81	<5	28	69	2
L1+00W 1+50 N	Soil	13	<0.1	55	14	64	352	<5	<3	3	<10	<2	1.7	13	26	105	<5	28	50	4
L1+00W 1+62.5N	Soil	13	<0.1	76	11	64	406	<5	<3	1	<10	<2	1.6	14	27	94	<5	22	40	4
L1+00W 1+75 N	Soil	14	0.1	57	15	77	134	<5	<3	2	<10	<2	1.7	17	26	117	<5	25	45	6
L1+00W 0+12.5S	Soil	55	0.2	111	16	66	857	<5	<3	2	<10	4	2.0	11	20	106	<5	25	48	2
Minimum Detection		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	
Maximum Detection		10000	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000	10000	1000
Method		FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	IC

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:51 AM INTERNATIONAL+ 604 879 7898 P.06

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CERTIFIC TE OF ANALYSIS
irL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L0+50W 1+00 S	19	14	2	3	0.05	1.97	0.13	3.08	0.53	0.06	<0.01	0.07
L0+50W 1+12.5S	20	13	2	3	0.05	1.96	0.12	3.17	0.50	0.06	<0.01	0.06
L0+50W 1+25 S	16	15	1	2	0.05	2.19	0.12	3.42	0.55	0.08	<0.01	0.09
L0+50W 1+37.5S	20	15	1	2	0.05	2.20	0.11	3.27	0.44	0.09	<0.01	0.08
L0+50W 1+50 S	19	15	1	2	0.04	2.03	0.11	3.36	0.46	0.09	<0.01	0.07
L0+50W 1+62.5S	21	15	1	3	0.05	2.11	0.11	3.18	0.46	0.08	<0.01	0.06
L0+50W 1+75 S	20	17	1	2	0.04	1.55	0.12	3.36	0.36	0.06	<0.01	0.05
L0+50W 1+87.5S	17	14	1	2	0.04	2.09	0.10	3.34	0.44	0.07	<0.01	0.08
L0+50W 2+00 S	18	12	1	1	0.03	1.72	0.07	3.07	0.40	0.08	<0.01	0.10
L1+00E 0+25 N	13	13	1	2	0.05	2.04	0.12	3.23	0.49	0.04	<0.01	0.06
L1+00E 0+37.5N	29	30	1	3	0.05	2.34	0.16	4.50	0.65	0.11	<0.01	0.10
L1+00E 0+50 N	34	35	2	3	0.04	2.31	0.18	4.75	0.64	0.12	<0.01	0.10
L1+00E 0+50 S	18	13	1	2	0.05	1.80	0.10	4.40	0.38	0.05	<0.01	0.04
L1+00E 1+00 S	14	14	1	2	0.05	2.34	0.12	3.40	0.53	0.04	<0.01	0.08
L1+00E 1+25 S	15	12	1	1	0.05	2.13	0.09	3.30	0.36	0.04	<0.01	0.06
L1+00E 1+50 S	36	23	1	3	0.05	2.37	0.11	4.31	0.55	0.10	<0.01	0.09
L1+00E 1+62.5S	30	21	1	3	0.04	2.20	0.12	3.94	0.52	0.08	<0.01	0.08
L1+00E 1+75 S	28	20	1	2	0.04	2.31	0.10	3.84	0.53	0.08	<0.01	0.10
L1+00E 2+00 S	15	15	2	2	0.06	1.75	0.08	3.09	0.32	0.05	<0.01	0.04
L1+00E 2+12.5S	16	15	2	3	0.05	2.12	0.11	3.02	0.52	0.06	<0.01	0.07
L1+00E 2+25 S	17	17	1	3	0.05	1.75	0.16	2.90	0.49	0.05	<0.01	0.07
L1+00E 2+50 S	27	100	3	4	0.08	2.92	0.53	5.41	0.73	0.12	0.02	0.14
L1+00E 2+75 S	35	64	3	4	0.07	3.09	0.23	6.92	0.69	0.15	<0.01	0.19
L1+00W 0+00 N BL	16	19	1	3	0.06	2.25	0.18	3.09	0.57	0.07	<0.01	0.08
L1+00W 0+12.5N	20	15	2	4	0.05	2.53	0.12	3.58	0.58	0.08	<0.01	0.07
L1+00W 0+25 N	16	15	1	2	0.05	1.66	0.13	2.83	0.44	0.06	<0.01	0.07
L1+00W 0+37.5N	17	11	2	3	0.04	2.00	0.09	2.99	0.50	0.05	<0.01	0.06
L1+00W 0+50 N	16	12	1	2	0.04	1.65	0.10	2.65	0.46	0.05	<0.01	0.06
L1+00W 0+62.5N	17	12	1	2	0.03	1.96	0.09	3.09	0.47	0.05	<0.01	0.07
L1+00W 0+75 N	29	27	1	3	0.04	1.92	0.21	3.65	0.56	0.08	<0.01	0.08
L1+00W 0+87.5N	29	30	1	3	0.04	2.01	0.20	3.82	0.58	0.09	<0.01	0.08
L1+00W 1+00 N	16	14	1	2	0.04	2.17	0.13	3.38	0.50	0.05	<0.01	0.06
L1+00W 1+12.5N	16	15	2	2	0.05	1.81	0.13	2.70	0.40	0.04	<0.01	0.05
L1+00W 1+25 N	13	10	2	2	0.06	1.88	0.10	2.70	0.36	0.03	<0.01	0.04
L1+00W 1+37.5N	11	9	1	2	0.05	1.86	0.08	3.19	0.33	0.03	<0.01	0.04
L1+00W 1+50 N	15	13	1	2	0.04	1.97	0.10	2.95	0.50	0.05	<0.01	0.05
L1+00W 1+62.5N	17	17	1	2	0.05	1.23	0.22	2.38	0.40	0.05	<0.01	0.08
L1+00W 1+75 N	16	16	2	2	0.05	1.51	0.19	2.62	0.44	0.04	<0.01	0.08
L1+00W 0+12.5S	18	20	2	2	0.05	1.74	0.19	3.18	0.47	0.08	<0.01	0.09
Minimum Detection	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:52 AM INTERNATIONAL+ 604 879 7898 P.07

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CERTIFIC TE OF ANALYSIS
iPL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	Type	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	p
L1+00W 0+25 S	Soil	26	<0.1	64	13	67	298	<5	<3	3	<10	<2	1.9	10	21	99	<5	23	43	3
L1+00W 0+37.5S	Soil	41	<0.1	55	15	60	540	<5	<3	3	<10	<2	1.9	10	18	76	<5	25	53	3
L1+00W 0+50 S	Soil	50	0.3	65	24	75	309	<5	<3	3	<10	<2	2.0	12	26	111	<5	28	56	3
L1+00W 0+62.5S	Soil	244	0.2	133	19	74	1273	<5	<3	3	<10	8	2.2	12	25	112	<5	26	49	3
L1+00W 0+75 S	Soil	101	0.3	105	18	76	723	<5	<3	3	<10	<2	2.2	11	25	120	<5	29	55	3
L1+00W 0+87.5S	Soil	53	0.3	112	15	75	575	<5	<3	3	<10	4	2.0	11	27	115	<5	27	51	3
L1+00W 1+00 S	Soil	42	0.2	99	18	85	358	<5	<3	4	<10	<2	2.3	16	30	147	<5	31	62	3
L1+00W 1+12.5S	Soil	7	0.1	56	14	61	274	<5	<3	3	<10	<2	1.8	11	22	122	<5	27	47	2
L1+00W 1+25 S	Soil	20	0.2	68	22	76	252	<5	<3	3	<10	<2	1.9	12	25	109	<5	28	54	3
L1+00W 1+37.5S	Soil	34	0.3	109	31	71	578	<5	<3	3	<10	<2	2.1	14	25	125	6	22	41	3
L1+00W 1+50 S	Soil	16	0.1	68	20	54	276	<5	<3	3	<10	<2	1.7	9	19	100	<5	22	45	1
L1+00W 1+62.5S	Soil	14	0.1	85	17	68	267	<5	<3	3	<10	<2	1.8	12	26	115	<5	22	43	3
L1+00W 1+75 S	Soil	20	0.2	84	14	68	252	<5	<3	2	<10	<2	1.8	12	25	103	<5	24	44	2
L1+00W 1+87.5S	Soil	16	0.2	104	22	74	293	<5	<3	3	<10	<2	2.0	11	25	129	<5	27	53	2
L1+00W 2+00 S	Soil	10	0.3	86	16	71	308	<5	<3	3	<10	<2	1.7	12	26	115	<5	27	50	3
L1+00W 2+12.5S	Soil	30	0.2	164	29	83	670	<5	<3	5	<10	<2	2.2	11	29	143	<5	32	67	2
L1+00W 2+25 S	Soil	18	0.1	116	21	68	637	<5	<3	3	<10	<2	2.2	9	23	103	<5	30	62	2
L1+00W 2+37.5S	Soil	29	0.3	210	26	95	1058	<5	<3	5	<10	<2	2.4	12	34	155	<5	28	58	2
L1+00W 2+50 S	Soil	11	0.2	148	24	94	669	<5	<3	4	<10	<2	2.4	12	35	169	<5	28	61	2
L1+50W 0+00 N BL	Soil	<2	0.1	56	14	67	148	<5	<3	3	<10	<2	1.9	11	24	95	<5	27	49	3
L1+50W 0+12.5N	Soil	64	0.1	90	13	58	1363	<5	<3	3	<10	4	2.3	13	25	112	<5	22	38	3
L1+50W 0+25 N	Soil	8	0.1	52	14	60	199	<5	<3	3	<10	<2	1.7	10	25	87	<5	24	48	3
L1+50W 0+37.5N	Soil	12	0.1	68	16	59	530	<5	<3	3	<10	<2	1.8	9	21	89	<5	25	43	2
L1+50W 0+50 N	Soil	47	0.3	170	26	81	1189	<5	<3	3	<10	2	2.4	16	34	154	<5	32	49	4
L1+50W 0+12.5S	Soil	6	0.1	68	16	79	379	<5	<3	3	<10	<2	1.9	13	29	151	<5	30	54	3
L1+50W 0+25 S	Soil	10	<0.1	50	9	73	279	<5	<3	3	<10	<2	1.8	10	25	114	<5	27	50	3
L1+50W 0+37.5S	Soil	17	<0.1	53	8	55	295	<5	<3	1	<10	<2	1.4	9	19	93	<5	21	40	2
L1+50W 0+50 S	Soil	21	0.2	81	14	67	456	<5	<3	2	<10	<2	1.8	11	23	111	<5	26	49	2
L1+50W 0+62.5S	Soil	23	0.1	84	15	67	490	<5	<3	3	<10	<2	1.7	10	22	120	<5	24	49	2
L1+50W 0+75 S	Soil	55	0.2	97	16	80	512	<5	<3	4	<10	<2	2.3	13	31	135	<5	31	61	3
L1+50W 0+87.5S	Soil	74	0.3	80	19	77	497	<5	<3	3	<10	<2	2.2	14	25	114	<5	26	51	3
L1+50W 1+00 S	Soil	47	0.2	56	13	67	300	<5	<3	3	<10	<2	1.9	11	23	100	<5	27	54	2
L1+50W 1+12.5S	Soil	80	0.2	78	19	72	305	<5	<3	3	<10	<2	2.1	12	25	130	<5	30	58	3
L1+50W 1+25 S	Soil	51	0.2	87	15	75	294	<5	<3	4	<10	<2	2.0	11	26	133	<5	29	58	2
L1+50W 1+37.5S	Soil	23	0.1	61	19	69	242	<5	<3	3	<10	<2	1.9	13	21	113	<5	27	52	3
L1+50W 1+50 S	Soil	20	0.2	99	18	78	498	<5	<3	3	<10	<2	2.1	13	27	145	<5	29	56	4
L1+50W 1+62.5S	Soil	84	0.2	74	19	72	253	<5	<3	3	<10	<2	1.8	10	23	117	<5	29	55	2
L1+50W 1+75 S	Soil	12	0.2	82	20	67	414	<5	<3	3	<10	<2	1.9	9	20	111	<5	26	48	2
L1+50W 1+87.5S	Soil	12	0.3	181	20	82	533	<5	<3	4	<10	<2	2.1	14	28	133	<5	27	52	4
Minimum Detection		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	
Maximum Detection		10000	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000	10000	1000
Method		FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	IC

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:53 AM INTERNATIONAL+ 604 879 7898 P.08

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CERTIFIC TE OF ANALYSIS
iPL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L1+00W 0+25 S	17	15	2	3	0.05	1.54	0.16	2.61	0.43	0.05	<0.01	0.08
L1+00W 0+37.5S	18	11	1	2	0.05	1.27	0.08	3.05	0.37	0.05	<0.01	0.04
L1+00W 0+50 S	18	15	1	3	0.05	2.10	0.13	3.24	0.54	0.08	<0.01	0.07
L1+00W 0+62.5S	19	19	1	3	0.05	2.03	0.18	3.55	0.52	0.08	<0.01	0.08
L1+00W 0+75 S	20	16	2	3	0.05	2.13	0.15	3.41	0.55	0.10	<0.01	0.07
L1+00W 0+87.5S	19	18	1	2	0.05	2.07	0.15	3.31	0.51	0.09	<0.01	0.07
L1+00W 1+00 S	22	24	1	4	0.07	2.36	0.21	3.48	0.63	0.10	<0.01	0.07
L1+00W 1+12.5S	24	17	1	2	0.04	1.92	0.15	3.00	0.47	0.12	<0.01	0.09
L1+00W 1+25 S	20	15	1	3	0.06	1.99	0.14	3.16	0.52	0.09	<0.01	0.07
L1+00W 1+37.5S	23	14	2	2	0.04	1.87	0.12	3.30	0.39	0.09	<0.01	0.07
L1+00W 1+50 S	21	12	1	1	0.03	1.65	0.08	2.98	0.37	0.06	<0.01	0.06
L1+00W 1+62.5S	21	14	1	2	0.04	1.80	0.12	2.97	0.41	0.08	<0.01	0.08
L1+00W 1+75 S	20	14	2	3	0.05	1.77	0.14	2.93	0.45	0.06	<0.01	0.07
L1+00W 1+87.5S	24	16	2	3	0.06	2.09	0.15	3.27	0.52	0.09	<0.01	0.08
L1+00W 2+00 S	22	19	2	4	0.06	1.99	0.22	2.89	0.52	0.08	<0.01	0.09
L1+00W 2+12.5S	22	20	1	3	0.06	2.57	0.17	3.58	0.59	0.10	<0.01	0.09
L1+00W 2+25 S	18	15	1	2	0.05	2.25	0.13	3.26	0.47	0.07	<0.01	0.06
L1+00W 2+37.5S	23	19	1	3	0.05	2.46	0.14	3.70	0.55	0.10	<0.01	0.08
L1+00W 2+50 S	21	21	2	3	0.06	2.43	0.19	3.65	0.56	0.11	<0.01	0.09
L1+50W 0+00 N BL	18	14	1	2	0.05	1.87	0.12	2.89	0.49	0.08	<0.01	0.06
L1+50W 0+12.5N	17	14	1	2	0.03	1.76	0.10	3.46	0.40	0.07	<0.01	0.07
L1+50W 0+25 N	17	12	1	1	0.04	1.69	0.09	2.93	0.40	0.07	<0.01	0.07
L1+50W 0+37.5N	18	13	1	1	0.03	1.79	0.09	2.95	0.42	0.06	<0.01	0.08
L1+50W 0+50 N	26	30	1	3	0.04	1.85	0.27	3.65	0.54	0.10	<0.01	0.10
L1+50W 0+12.5S	22	16	2	4	0.06	2.18	0.15	3.16	0.57	0.08	<0.01	0.07
L1+50W 0+25 S	18	17	1	3	0.06	1.84	0.16	2.82	0.52	0.07	<0.01	0.07
L1+50W 0+37.5S	19	15	1	2	0.05	1.39	0.15	2.37	0.39	0.06	<0.01	0.06
L1+50W 0+50 S	21	18	1	2	0.05	1.87	0.18	2.92	0.47	0.07	<0.01	0.07
L1+50W 0+62.5S	18	23	1	2	0.05	1.74	0.18	2.89	0.48	0.07	<0.01	0.07
L1+50W 0+75 S	19	23	2	3	0.06	2.29	0.18	3.35	0.62	0.09	<0.01	0.08
L1+50W 0+87.5S	18	19	2	3	0.05	1.86	0.17	3.10	0.52	0.08	<0.01	0.09
L1+50W 1+00 S	17	15	1	2	0.04	2.03	0.12	3.01	0.52	0.06	<0.01	0.07
L1+50W 1+12.5S	20	16	2	3	0.06	2.32	0.13	3.26	0.58	0.09	<0.01	0.07
L1+50W 1+25 S	20	19	1	3	0.06	2.28	0.15	3.22	0.58	0.09	<0.01	0.08
L1+50W 1+37.5S	23	16	1	3	0.06	2.02	0.13	3.10	0.53	0.09	<0.01	0.06
L1+50W 1+50 S	21	21	1	3	0.06	2.30	0.16	3.37	0.56	0.09	<0.01	0.08
L1+50W 1+62.5S	21	17	2	3	0.07	2.11	0.15	3.14	0.56	0.09	<0.01	0.07
L1+50W 1+75 S	21	16	1	2	0.04	1.94	0.12	3.11	0.47	0.08	<0.01	0.07
L1+50W 1+87.5S	27	18	2	4	0.06	2.15	0.17	3.38	0.52	0.09	<0.01	0.08
Minimum Detection	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	Type	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	P
L1+50W 2+00 S	Soil	35	0.2	217	15	79	403	<5	<3	3	<10	<2	2.0	14	26	121	<5	28	54	3
L2+00W 0+00 N BL	Soil	7	<0.1	56	12	64	265	<5	<3	2	<10	<2	1.8	11	23	108	<5	24	45	3
L2+00W 0+12.5N	Soil	8	<0.1	56	11	65	483	<5	<3	2	<10	<2	1.9	12	24	86	<5	23	42	3
L2+00W 0+25 N	Soil	17	<0.1	81	12	64	838	<5	<3	3	<10	<2	1.8	14	27	98	<5	24	42	5
L2+00W 0+37.5N	Soil	35	0.2	146	25	65	734	<5	<3	3	<10	<2	2.3	27	28	175	<5	28	43	10
L2+00W 0+50 N	Soil	25	0.2	110	19	83	1030	<5	<3	3	<10	<2	2.3	15	31	129	<5	35	59	5
L2+00W 0+62.5N	Soil	41	0.2	170	27	91	1169	<5	<3	3	<10	<2	2.4	23	36	159	<5	33	53	6
L2+00W 0+75 N	Soil	14	0.1	74	14	75	431	<5	<3	2	<10	<2	1.7	16	28	156	<5	27	49	5
L2+00W 0+12.5S	Soil	5	<0.1	47	11	68	249	<5	<3	3	<10	<2	1.7	10	23	107	<5	29	54	2
L2+00W 0+25 S	Soil	10	<0.1	77	13	69	526	<5	<3	3	<10	<2	1.8	10	23	117	<5	26	48	2
L2+00W 0+37.5S	Soil	20	0.2	81	12	62	518	<5	<3	2	<10	<2	1.6	9	20	98	<5	24	44	2
L2+00W 0+50 S	Soil	25	0.1	107	15	73	627	<5	<3	3	<10	<2	1.9	13	26	124	<5	27	50	3
L2+00W 0+62.5S	Soil	24	0.3	97	17	68	838	<5	<3	3	<10	2	1.8	11	25	123	<5	26	44	3
L2+00W 0+75 S	Soil	52	0.1	95	20	69	927	<5	<3	4	<10	<2	2.2	12	25	118	<5	30	58	4
L2+00W 0+87.5S	Soil	60	0.2	126	15	73	965	<5	<3	2	<10	4	2.1	12	26	125	<5	26	46	3
L2+00W 1+00 S	Soil	85	0.1	87	14	65	835	<5	<3	3	<10	2	2.2	18	23	108	<5	23	43	5
L2+00W 1+12.5S	Soil	66	0.1	98	28	72	615	<5	<3	3	<10	<2	2.3	15	25	133	<5	26	48	3
L2+00W 1+25 S	Soil	51	0.2	76	16	64	361	<5	<3	2	<10	<2	1.9	9	21	106	<5	25	47	2
L2+00W 1+37.5S	Soil	25	0.2	73	17	65	308	<5	<3	3	<10	<2	1.9	10	21	113	<5	26	49	2
L2+00W 1+50 S	Soil	13	0.1	74	15	63	269	<5	<3	3	<10	<2	1.8	10	23	121	<5	23	46	2
L2+00W 1+62.5S	Soil	13	0.2	83	18	69	245	<5	<3	3	<10	<2	1.8	12	26	124	<5	25	47	2
L2+00W 1+75 S	Soil	11	0.2	87	18	70	276	<5	<3	4	<10	<2	1.7	10	27	143	<5	29	50	1
L2+00W 1+87.5S	Soil	12	0.2	77	16	62	286	<5	<3	4	<10	<2	2.0	9	21	119	<5	25	47	1
L2+00W 2+00 S	Soil	10	0.1	171	15	78	842	<5	<3	3	<10	<2	2.0	11	28	109	<5	30	51	3
L2+00W 2+12.5S	Soil	25	0.2	153	22	80	815	<5	<3	3	<10	<2	2.0	12	27	123	<5	29	52	3
L2+00W 2+25 S	Soil	42	0.2	193	30	119	1279	<5	<3	5	<10	<2	2.7	20	38	204	5	29	58	4
L2+50W 0+00 N BL	Soil	18	0.2	94	19	70	683	<5	<3	3	<10	<2	2.0	13	27	126	<5	29	52	3
L2+50W 0+25 N	Soil	37	0.2	125	22	71	977	<5	<3	3	<10	<2	2.1	14	28	129	<5	27	45	4
L2+50W 0+50 N	Soil	62	0.4	196	30	85	1427	<5	<3	5	<10	3	2.3	18	35	146	<5	35	53	5
L2+50W 0+75 N	Soil	14	<0.1	57	16	57	481	<5	<3	3	<10	<2	1.9	9	18	95	<5	30	56	2
L2+50W 0+25 S	Soil	10	0.2	80	15	66	611	<5	<3	3	<10	<2	1.8	10	23	118	<5	27	49	2
L2+50W 0+50 S	Soil	56	0.2	145	14	68	877	<5	<3	3	<10	<2	1.7	11	24	110	<5	26	48	3
L2+50W 0+75 S	Soil	118	0.3	91	14	59	879	<5	<3	3	<10	<2	1.8	9	21	101	6	24	45	2
L2+50W 1+00 S	Soil	46	0.2	91	24	67	1013	<5	<3	5	<10	<2	2.2	18	21	165	<5	31	54	9
L2+50W 1+25 S	Soil	46	0.2	99	27	53	676	<5	<3	5	<10	<2	2.0	13	21	125	5	21	44	3
L2+50W 1+50 S	Soil	7	0.1	46	9	54	220	<5	<3	2	<10	<2	1.3	8	20	95	<5	22	42	1
L2+50W 1+75 S	Soil	5	0.1	22	12	59	61	<5	<3	3	<10	<2	1.8	9	17	82	<5	31	70	3
L2+50W 2+00 S	Soil	12	0.3	93	22	63	645	<5	<3	5	<10	<2	1.9	16	23	134	<5	27	46	4
L3+00W 0+00 N BL	Soil	10	0.1	81	22	82	339	<5	<3	3	<10	<2	2.3	16	32	261	<5	23	46	6
Minimum Detection		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	
Maximum Detection		10000	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000	10000	1000
Method		FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	IC

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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CERTIFICATE OF ANALYSIS
iPL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L1+50W 2+00 S	23	18	2	4	0.07	1.88	0.21	3.12	0.52	0.09	<0.01	0.10
L2+00W 0+00 N BL	16	14	2	3	0.05	1.84	0.12	2.76	0.49	0.06	<0.01	0.05
L2+00W 0+12.5N	17	14	1	2	0.05	1.71	0.12	3.09	0.47	0.08	<0.01	0.05
L2+00W 0+25 N	20	16	1	2	0.04	1.69	0.14	3.15	0.44	0.07	<0.01	0.06
L2+00W 0+37.5N	26	37	1	3	0.05	1.95	0.41	3.40	0.55	0.25	<0.01	0.07
L2+00W 0+50 N	25	19	1	3	0.04	2.39	0.16	3.75	0.59	0.11	<0.01	0.06
L2+00W 0+62.5N	30	32	1	4	0.05	2.03	0.28	3.59	0.56	0.11	<0.01	0.09
L2+00W 0+75 N	24	27	1	4	0.06	1.53	0.27	2.69	0.51	0.07	<0.01	0.08
L2+00W 0+12.5S	18	15	1	2	0.05	2.02	0.13	2.94	0.51	0.06	<0.01	0.07
L2+00W 0+25 S	20	15	1	2	0.06	2.02	0.13	2.94	0.49	0.08	<0.01	0.06
L2+00W 0+37.5S	18	13	1	2	0.04	1.81	0.11	2.77	0.45	0.06	<0.01	0.06
L2+00W 0+50 S	21	16	2	3	0.05	2.08	0.15	3.09	0.50	0.07	<0.01	0.07
L2+00W 0+62.5S	22	24	1	2	0.04	1.80	0.23	2.98	0.48	0.09	<0.01	0.08
L2+00W 0+75 S	22	22	1	2	0.05	2.18	0.19	3.56	0.53	0.10	<0.01	0.07
L2+00W 0+87.5S	22	18	2	3	0.05	2.04	0.19	3.31	0.49	0.08	<0.01	0.07
L2+00W 1+00 S	26	18	1	3	0.06	1.63	0.20	3.50	0.43	0.10	<0.01	0.07
L2+00W 1+12.5S	29	16	1	2	0.05	2.15	0.16	3.58	0.47	0.14	<0.01	0.08
L2+00W 1+25 S	25	16	1	3	0.06	1.99	0.17	3.05	0.47	0.09	<0.01	0.07
L2+00W 1+37.5S	23	15	1	3	0.06	2.09	0.15	3.14	0.48	0.09	<0.01	0.07
L2+00W 1+50 S	25	14	1	2	0.05	1.91	0.13	3.09	0.44	0.10	<0.01	0.07
L2+00W 1+62.5S	25	14	2	4	0.06	1.96	0.14	3.04	0.47	0.09	<0.01	0.07
L2+00W 1+75 S	25	17	1	3	0.05	2.12	0.15	2.95	0.48	0.08	<0.01	0.09
L2+00W 1+87.5S	23	18	1	3	0.05	1.90	0.18	2.99	0.47	0.08	<0.01	0.07
L2+00W 2+00 S	25	19	1	2	0.05	1.79	0.19	3.20	0.48	0.08	<0.01	0.09
L2+00W 2+12.5S	25	21	1	3	0.06	1.87	0.21	3.08	0.50	0.09	<0.01	0.09
L2+00W 2+25 S	26	27	2	4	0.07	2.77	0.23	4.02	0.63	0.16	<0.01	0.10
L2+50W 0+00 N BL	23	21	1	3	0.05	2.02	0.19	3.32	0.52	0.09	<0.01	0.08
L2+50W 0+25 N	25	24	1	3	0.04	1.75	0.24	3.35	0.47	0.10	<0.01	0.08
L2+50W 0+50 N	31	32	1	4	0.04	2.20	0.27	3.89	0.62	0.11	<0.01	0.09
L2+50W 0+75 N	15	14	<1	1	0.04	1.92	0.10	3.18	0.45	0.05	<0.01	0.06
L2+50W 0+25 S	19	14	1	2	0.05	2.20	0.13	2.98	0.50	0.08	<0.01	0.07
L2+50W 0+50 S	21	17	2	3	0.05	2.04	0.17	3.09	0.49	0.08	<0.01	0.07
L2+50W 0+75 S	23	19	1	2	0.05	1.82	0.20	2.78	0.44	0.07	<0.01	0.07
L2+50W 1+00 S	22	28	1	2	0.04	2.04	0.28	3.49	0.49	0.14	<0.01	0.11
L2+50W 1+25 S	32	17	2	2	0.05	1.67	0.16	3.50	0.40	0.13	<0.01	0.06
L2+50W 1+50 S	18	18	1	2	0.06	1.37	0.24	2.28	0.41	0.06	<0.01	0.08
L2+50W 1+75 S	15	13	<1	2	0.06	1.81	0.11	3.18	0.50	0.05	<0.01	0.06
L2+50W 2+00 S	23	23	1	2	0.04	1.90	0.24	3.03	0.45	0.08	<0.01	0.10
L3+00W 0+00 N BL	27	27	6	4	0.08	2.11	0.24	3.30	0.49	0.17	<0.01	0.07
Minimum Detection	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

APR-24-98 09:57 AM INTERNATIONAL+ 604 879 7898 P.11

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CERTIFICATE OF ANALYSIS
iPL 98D0338

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207=Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	Type	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	p
L3+00W 0+25 N	Soil	41	0.3	154	30	79	1125	<5	<3	4	<10	<2	2.0	19	33	133	<5	30	47	6
L3+00W 0+50 N	Soil	20	0.1	38	19	55	325	<5	<3	2	<10	<2	2.0	10	17	75	<5	28	57	3
L3+00W 0+75 N	Soil	48	0.1	49	17	47	328	<5	<3	4	<10	<2	2.1	10	16	83	<5	28	63	7
L3+00W 1+00 N	Soil	10	<0.1	35	14	49	213	<5	<3	3	<10	<2	1.8	10	17	86	<5	30	55	3
L3+00W 0+25 S	Soil	10	0.2	69	16	65	628	<5	<3	3	<10	<2	1.8	9	19	113	<5	26	49	2
L3+00W 0+50 S	Soil	19	0.4	80	14	47	816	<5	<3	3	<10	<2	1.5	7	18	87	<5	23	39	2
L3+00W 0+75 S	Soil	62	0.2	94	18	62	955	<5	<3	4	<10	3	1.8	10	21	118	<5	26	45	3
L3+00W 1+00 S	Soil	108	0.1	67	16	62	761	<5	<3	3	<10	<2	2.1	10	20	112	<5	28	51	3
L3+00W 1+25 S	Soil	15	0.1	49	12	63	306	<5	<3	3	<10	<2	1.4	10	20	90	<5	25	47	3
L3+00W 1+50 S	Soil	10	0.2	63	21	70	718	<5	<3	5	<10	<2	2.0	18	22	122	<5	27	53	7
L3+00W 1+75 S	Soil	12	0.1	48	15	69	162	<5	<3	4	<10	<2	2.0	12	24	100	<5	29	57	3
L3+00W 2+00 S	Soil	9	0.2	56	16	68	433	<5	<3	4	<10	<2	2.2	13	21	94	<5	28	52	4
Minimum Detection		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	
Maximum Detection		10000	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000	10000	10000	1000
Method		FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	IC

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFIC TE OF ANALYSIS
iPL 98D0338

2036 Colu . Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: 90820 Yukon

207 Samples
207-Soil

[033809:36:19:89042498]

Out: Apr 24, 1998
In : Apr 14, 1998

Sample Name	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L3+00W 0+25 N	23	23	1	3	0.04	1.83	0.18	3.36	0.54	0.07	<0.01	0.08
L3+00W 0+50 N	14	12	1	2	0.04	1.54	0.10	3.33	0.33	0.04	<0.01	0.04
L3+00W 0+75 N	18	14	1	1	0.04	1.67	0.07	3.39	0.21	0.06	<0.01	0.07
L3+00W 1+00 N	20	19	<1	2	0.04	1.67	0.08	2.98	0.33	0.08	<0.01	0.05
L3+00W 0+25 S	17	14	1	2	0.04	2.09	0.12	3.04	0.47	0.08	<0.01	0.07
L3+00W 0+50 S	19	19	<1	1	0.02	1.75	0.17	2.56	0.35	0.07	<0.01	0.11
L3+00W 0+75 S	22	20	1	2	0.04	1.84	0.19	3.13	0.44	0.08	<0.01	0.08
L3+00W 1+00 S	20	16	1	2	0.04	1.96	0.14	3.20	0.46	0.07	<0.01	0.06
L3+00W 1+25 S	14	14	1	2	0.04	1.85	0.14	2.67	0.48	0.05	<0.01	0.06
L3+00W 1+50 S	15	22	1	1	0.03	1.97	0.22	3.15	0.52	0.08	<0.01	0.10
L3+00W 1+75 S	15	14	1	2	0.04	1.93	0.13	2.93	0.49	0.05	<0.01	0.07
L3+00W 2+00 S	15	17	2	2	0.05	2.01	0.17	3.16	0.52	0.06	<0.01	0.07
Minimum Detection	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Appendix III

1998 Java Program Outline

MIKE LAKE EXPLORATION PROGRAM
1998 FIELD SEASON

Start date: June 1, 1998

Crew Size: Three geologists, one field assistant. (D. Bordin, M. Papageorge, D. Lilly)

Exploration Strategy:

Earlier gold exploration programs in the Mike Lake area focused primarily on identifying high grade stockwork mineralization or disseminated Au mineralization hosted in three large Cretaceous stocks. The focus of the 1998 program will be on locating a large, bulk tonnage contact skarn or high grade, metasomatized replacement zones within reactive calcareous grit and limestone conglomerate strata.

It is now recognized that the Mike Lake area straddles an important transition zone between Upper Proterozoic-Lower Paleozoic Hyland Group sediments and Cambrian to Lower Devonian Road River Group sediments. Typical Hyland Group strata (interbedded sandstone/siltstone/shale) underlie the area immediately north of the Lorrie/Jamie claims, but the geology of the claim group is dominated by argillite, siltstone and calcareous phyllite. The sudden transition into a carbonate setting is interpreted as Rabbitkettle Formation unconformably overlying the Hyland package, the result of northwesterly directed, regional scale thrusting. This same thrusting appears to have imbricated the sedimentary package within the claim group. A distinctive, light colored calcareous phyllite marker horizon is repeated at least twice on the property, which strongly suggest stacking of the stratigraphy.

The property had been structurally prepared by the northwesterly directed thrusting and east-west oriented faulting/shearing prior to the intrusion of three large, Late Cretaceous syenite stocks and numerous dykes. The stocks are aligned at azimuth 030, a common structural orientation on the property and at the nearby Brewery Creek deposit. Interestingly, the Mike Lake stocks are exactly aligned with the Brewery Creek stocks using this orientation (030), suggesting that a major northeast trending structural lineament may extend through the area.

The primary focus of the 1998 mapping program will be to identify favourable lithological units (calcareous, reactive horizons) and to predict their intersection with potential feeder structures and intrusive bodies. These zones will be prioritized and targeted with follow-up geophysical/geochemical surveys, detailed geological mapping and diamond drilling.

Target areas

Results from over 1200 rock/soil/silt samples collected in the 1990(Aurum Geological Consultants) and 1991(Placer Dome Exploration) field seasons have been compiled. A total of 8 target areas have been identified using this data (see map) and the Douglas Oliver report (1997). All of these areas require further investigation.

1) Pebble Zone/North Vein - A series of east-west trending calcareous grit and limestone conglomerate beds. The metasomatized portions of these horizons are generally well mineralized with arsenopyrite and chalcopyrite. High gold values have been obtained from grab samples.

2) Bev Zone : Contact skarns and hornfels alteration have been mapped and sampled in this area. Proximal float samples returned values up to 0.155 opt

3) Phone Zone : Sampling from a cherty argillite and calc-silicate skarn alteration returned high Ag/Pb/Cu/As values with moderate Au values.

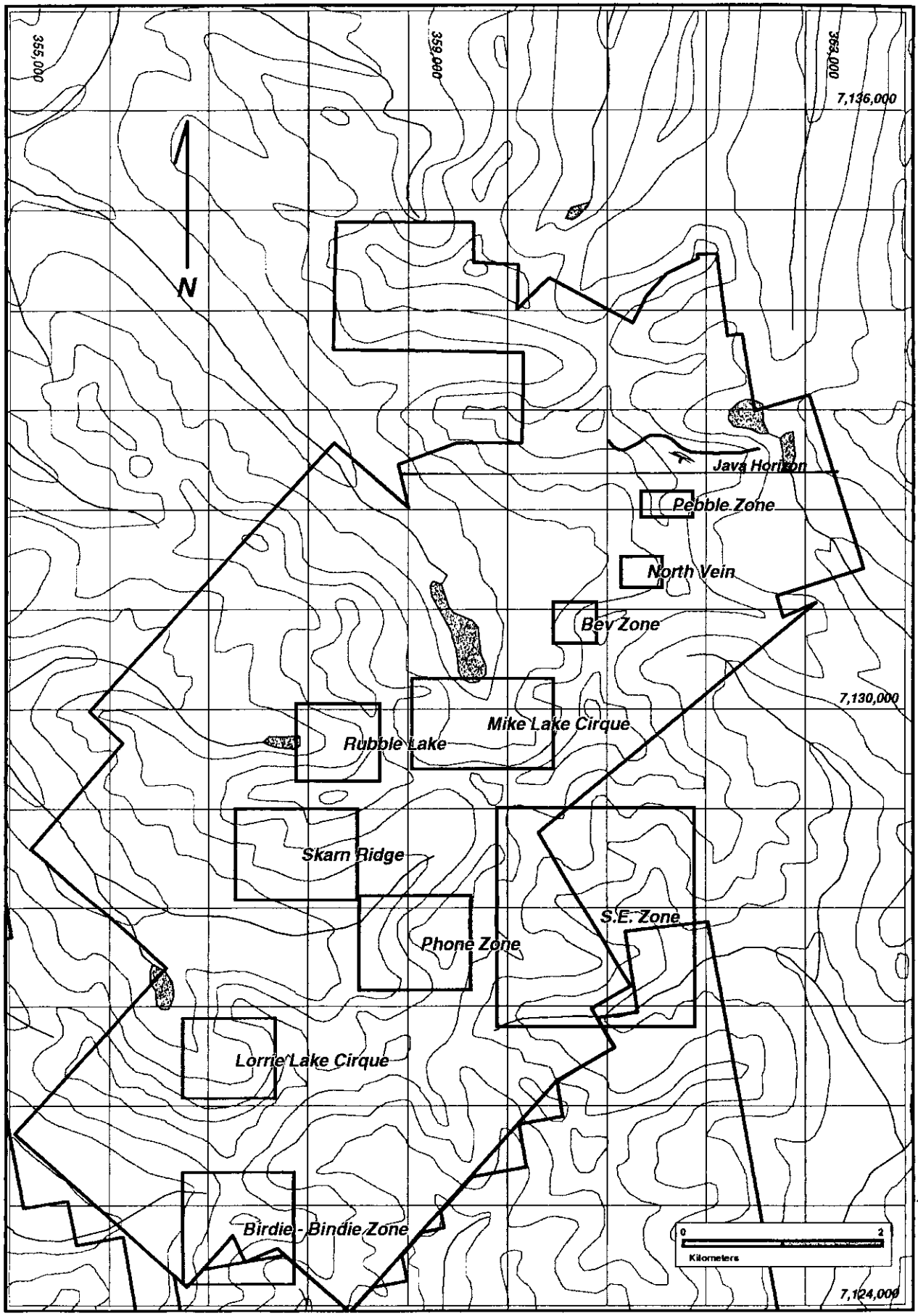
4) Skarn Ridge/Rubble Lake: Metasomatized package of calcareous phyllite and argillite. A skarn body of undetermined dimensions underlies the area. Rock and chip samples returned values up to 0.109 opt.

5) Lorrie Lake Cirque: Soil, rock chip and grab samples have yielded elevated Ag/Zn/Pb values and spotty Au/As values.

6) Southeast Zone: Soil samples in this area returned highly anomalous Au values (up to 0.047 opt Au). A single grab rock sample returned 4138 ppb. Au and 1.4% As.

7) Southwest Zone: Silt samples collected in this area returned consistently high Au values (6 samples>100 ppb.). Soil samples from the area returned anomalous As values and up to 1595 ppb Au.

8) Birdie/Bindie: Intense quartz-carbonate alteration with quartz-sulphide lenses within a complex fault structure. Grid soil sampling returned highly anomalous Au values across an area measuring 1000m by 650m.



Java Zones and Property Outline

Schedule

June 1-June 7 -Crew mobilization to the Yukon
-Camp Construction

June 8-June 22 -Map and sample target areas
-Locate Lori/Jamie claims. Stake fractions
-If warranted, stake open ground adjacent to Southwest/Southeast Zones

June 23-July 10 -Prospect and map entire Mike Lake property
-Grid and soil sample priority target areas

July 11-July 30 -Complete geophysical surveys
-Compile data and select drill targets
-Prepare drill pads

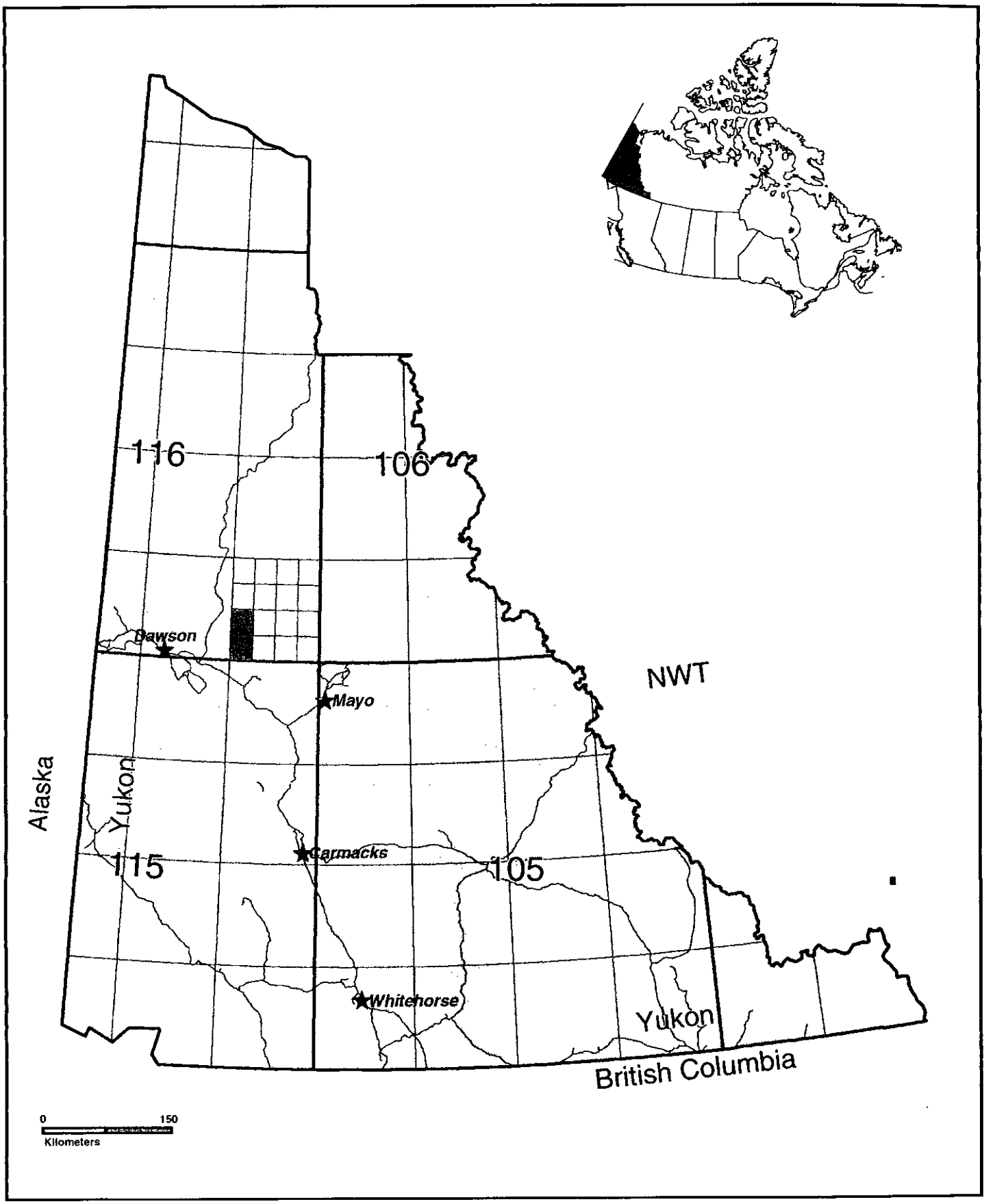
Aug. 1-Aug. 31 -Diamond drill targets

Sept 1-Sept 30 -Program extended if warranted

Budget: $350,000 Cdn

Mike Lake Budget-Project 90822

Field preparation and data compilation	$20,000
Target prospecting and mapping	$30,000
Camp/support costs	$20,000
Helicopter support	$75,000
Assays and sample freight	$25,000
Geophysical surveys	$35,000
Trenching	$5,000
Diamond-drilling(1000 meters)	$100,000
Report preparation/assessment filing	$20,000
Contingencies	$20,000
TOTAL ESTIMATED COSTS	$350,000



Location of Java Property

NAME(S): Hamilton (Lorrie, Mike)

MINFILE #: 116A 012

MAJOR COMMODITIES: Au, Cu, Ag

MINOR COMMODITIES: Bi

TECTONIC ELEMENT: TPS

NTS MAP SHEETS: 116 A 5

LATITUDE: 64°16'46"N

LONGITUDE: 137°53'27"W

DEPOSIT TYPE: Vein

STATUS: Prospect

CLAIMS (PREVIOUS AND CURRENT)

GOLD, AS, MIKE, AINE, JAMIE, LORRIE

WORK HISTORY

Staked as Gold cl (Y37945) in Jun/69 by Hart River ML, which conducted geochem, EM surveys and hand trenching in 1970-71. Two packsack holes were attempted but could not be drilled on the gossan at the North showing.

Restaked as AS cl (Y65640) in Aug/72 by Belmoral ML, which performed mapping, geochem sampling and hand trenching in 1972 and 1973. Partially restaked as 104 Mike, etc. cl (Y99705) in Jun/75 by Canalta Res L, which carried out mapping and hand trenching and drilled 4 shallow holes (199.6 m) on the South Zone and hand trenching on the North Zone later in the year. Belmoral conducted further hand trenching in 1975.

Restaked as AINE cl (YA55689) in Jul/81 by S. Young, who performed mapping later in the year. In Jan/84, Young transferred the claims to M. Boyle who sold his interest later in the month to Gallagher Explorations Ltd.

In Jul/88, the two showings were restaked as part of the Jamie and Lorrie cl (YB17905) by Walhala Explorations Ltd which conducted short prospecting, mapping and geophysical programs in 1988 and 1989. In Jun/90, Walhala sold the Lorrie claims to Tombstone Explorations Co. Ltd, which prospected, mapped, soil sampled and added more Lorrie claims (YB39201) to the north and northeast.

Placer Dome Inc. optioned the property in 1991 and conducted a program of geological mapping and soil geochemistry before relinquishing its option in Dec/91.

GEOLOGY

Gold, silver and copper occur in quartz-sulphide veins which cut Cambro-Ordovician Kechika Group calcareous argillite near the margin of a small Cretaceous syenite stock. Two showings are known: north and south.

The south showing discovered by Belmoral consists of four vertical quartz veins striking east which are up to 1.5 m wide and contain arsenopyrite and chalcopyrite. The veins are located at the syenite contact and extend into the intrusion. Assays ranged from 0.1 to 4.3% Cu, 3.2 to 229.2 g/t Ag and 0.1 to 21.9 g/t Au. A little bismuth was noted with the best silver assay. Jury described the south showing as a 1.2 m wide vein which was exposed intermittently for a length of 243.8 m. Chip sampling returned 6.9 g/t Au and a trace of copper across widths of 0.15 to 1.5 m.

The Canalta drilling intersected erratic mineralization with 4.5 g/t Au across 1.4 m in DDH 1, 24.0 g/t Au across 0.33 m in DDH 3, and barren vein material in the other two holes.

In 1989 Walhala found minor sulphide mineralization in hornfelsed sedimentary rocks about 500 m southwest of the south showing.

The north showing is marked by a gossan 10.7 m wide and 91.4 m long, overlying syenite. A 10 m wide zone of quartz carbonate veins containing arsenopyrite, pyrrhotite and minor magnetite. It was mapped and sampled by Canalta over a strike length of 1000 m. The zone coincides with an EM conductor on strike with a vein that assayed 6.9 g/t Au, 5.8 g/t Ag and 0.06% Cu. A grab sample taken in 1985 from a trench in the deeply weathered gossan assayed 15.0 g/t Au, and a 2 m chip sample of strongly weathered vein material assayed 4.04 g/t Au. Later sampling by Young and by Gallagher Explorations generally confirmed these results, and specimens collected in 1990 contained up to 14.78 g/t Au.

Placer Dome discovered a series of east-west trending quartz veins cutting calcareous Kechika Group rocks both southwest and northeast of the north showing. Specimens of the vein material assayed up to 10.52 g/t Au.

REFERENCES

BELMORAL MINES LTD, Jan/73. Prospectus Report #060964 by R.H.D. Philp.

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GREEN, L.H., 1972. Geological Survey of Canada, Memoir 364.

HART RIVER MINES LTD, May/73. Vancouver Stock Exchange Open File Report by R.G. Jury.

MINERAL INDUSTRY REPORT 1973, p. 33; 1976, p. 139-140.

TOMBSTONE EXPLORATIONS CO. LTD, 1990. Assessment Report #092912 by H.J. Keyser and J.L. Laudon.

TOMBSTONE EXPLORATIONS CO. LTD, 1992. Assessment Report #093010 by D.M. Strain.

WALHALA EXPLORATIONS LTD, Mar/90. Assessment Report #092817 by R.A. Doherty.

YOUNG, S., 1982. Assessment Report #091446 by D.P. Taylor.

YUKON EXPLORATION 1989, p. 136; 1990, p. 11; 1991, p. 6.

NAME(S): Rimrock

MINFILE #: 116A 013

MAJOR COMMODITIES: Au, Ag, Pb

MINOR COMMODITIES: Zn, Cu, Sb

TECTONIC ELEMENT: Selwyn Basin

NTS MAP SHEETS: 116 A 4

LATITUDE: 64°14'06"N

LONGITUDE: 137°58'23"W

DEPOSIT TYPE: Vein

STATUS: Prospect

CLAIMS (PREVIOUS AND CURRENT)

RIMROCK, RN, AUSSIE, LAKE, JAMIE, LORRIE, CUBB

WORK HISTORY

Conwest staked the north showing as Rimrock cl (87938) in Oct/66 and carried out mapping and sampling in 1967. It was restaked as RN cl (Y37972) by Hart River ML in Jul/69. The Aussie Synd (Silver Standard ML and Asarco) staked both showings as Aussie cl (Y90131) in Sep/74 and conducted mapping, geochem and rock sampling in 1974 and 1975. Restaked as Lake cl (YA53738) in Sep/80 by Anaconda Can EL, which performed detailed mapping and sampling in 1981.

The two showings were restaked as part of the Jamie & Lorrie cl (YB17905) in Sep/88 by Walhala EL, which conducted short prospecting and geological mapping programs in 1988 and 1989. In Jun/90, Walhala sold the Lorrie and Jamie claims to Tombstone Explorations Co. Ltd which prospected, mapped, soil sampled and added more Lorrie claims (YB39201) in 1990. Placer Dome Inc. optioned the property in 1991 and explored with geological mapping and geochemical sampling before relinquishing the option in Dec/91.

Noranda Exploration Co. Ltd tied on Cubb claims (YB38493) to the southeast in Oct/90 (Minfile 116A 033).

GEOLOGY

Gold, silver and copper occur in quartz-sulphide veins which cut Cambro-Ordovician Kechika group calcareous argillite near the margin of a small Cretaceous syenite stock. There are two showings, north and south.

The north vein contains pyrrhotite, pyrite, sphalerite, galena and chalcopyrite.

The south showing consists of several subparallel concordant veins averaging 0.6 to 0.9 m wide which have been traced for a length of 460 m. The veins dip 45°, parallel to bedding, and strike WNW. They are well mineralized with (in decreasing order of abundance) pyrite, pyrrhotite, arsenopyrite, galena, sphalerite, jamesonite and chalcopyrite. The veins consist of a quartz-carbonate core surrounded by a sulphide envelope. Early chip samples averaged 2 to 10% Pb and 69 g/t Ag with minor values in the other metals. Three 1981 chip samples averaged approximately 350 g/t Ag, 5.7% Pb, 0.9% Zn, 0.2% Cu, 0.14% Sb and trace gold over 0.6 m for a length of about 100 m along one of the veins. Hornfelsed black argillite found in this area in 1990 contained stratabound galena and sphalerite which assayed up to 9.08% Pb, 11.8% Zn and 691.4 g/t Ag.

Placer Dome discovered a third mineralized area (Birdie and Bindie zones) about 1 km southeast of the south vein. This occurrence consists of quartz-sulphide lenses in a silicified, carbonatized shear zone in calc-silicate hornfels, which appears to be traceable beneath overburden for at least 3 km. Specimens of quartz-sulphide material from the Birdie zone contained up to 13.9 g/t Au. Samples of talus fines taken downhill from the Bindie zone returned numerous values in excess of 1000 ppb Au.

REFERENCES

ANACONDA CANADA EXPLORATION LTD, Nov/81. Assessment Report #090917 by R. Hall.

GEORGE CROSS NEWSLETTER, 30 Sep/69; 30 Dec/91

GREEN, L.H., 1972. Geological Survey of Canada, Memoir 364.

MINERAL INDUSTRY REPORT, 1974, p. 74

SILVER STANDARD MINES LTD, Mar/75. Vancouver Stock Exchange Open File Report by R.H. Seraphim.

TOMBSTONE EXPLORATIONS CO. LTD, 1990. Assessment Report #092912 by H.J. Keyser and J.L. Laudon.

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TOMBSTONE EXPLORATIONS CO. LTD, 1992. Assessment Report #093010 by D.M. Strain.

WALHALA EXPLORATIONS LTD, Mar/90. Assessment Report #092817 by R.A. Doherty.

YUKON EXPLORATION AND GEOLOGY 1981, p. 223.

YUKON EXPLORATION 1989, p. 136; 1990, p. 11; 1991, p. 6.

NAME(S): Philp

MINFILE #: 116A 021

MAJOR COMMODITIES: Cu, Au, Ag

MINOR COMMODITIES: Sb, Ba, Hg, W

TECTONIC ELEMENT: TPS

NTS MAP SHEETS: 116 A 5

LATITUDE: 64°16'05"N

LONGITUDE: 137°55'25"W

DEPOSIT TYPE: Vein

STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

GOLD, AS, AUSSIE, LORRIE

WORK HISTORY

The north area was staked as Gold cl (Y37945) in Jun/69 by Hart River ML, which carried out mapping and geochem sampling and drilled two incomplete holes in 1970, and performed further prospecting in 1971. Both showings were staked as As cl (Y65640) in Aug/72 by Belmoral ML, which conducted mapping and sampling in 1972 and 1973. The south area was restaked as Aussie cl (Y90131) in Sep/74 by the Aussie Synd (Silver Standard ML and Asarco), which performed mapping and geochem sampling in 1974 and 1975.

Restaked as Lorrie claims (YB17905) in September, 1988 by Walhala Exploration Ltd, which conducted short prospecting and mapping programs in 1988 and 1989. Walhala sold the Lorrie claims in 1990 to Tombstone Explorations Co. Ltd, which explored with prospecting and rock and silt sampling.

Placer Dome Inc. optioned the property in 1991 and performed prospecting, mapping and geochemical sampling before relinquishing the option in Dec/91.

GEOLOGY

Gold, silver and copper occur in hornfels near the contact between pyritic shale, quartzite and dolomite of Proterozoic or Lower Cambrian age and a small Cretaceous syenite stock. The argillite-syenite contact is marked by a zone of rusty hornfels containing pyrite and pyrrhotite. Two showings are known: north and south.

At the north showing, arsenopyrite, chalcopyrite, pyrrhotite and pyrite occur in quartz-filled tension fractures cutting syenite, and disseminated chalcopyrite and arsenopyrite occur in hornfelsed sedimentary rocks cut by numerous dykes and sills. Early reports document assays up to 0.9% Cu, 278.7 g/t Au and 76.8 g/t Ag, although most values were much lower. Walhala obtained assays of up to 32.9 g/t Au, 13.3 g/t Ag and 2.99% Cu from vein material in this area (Lorrie 13, 14 and 15 claims), and highly anomalous values of As (>30 000 ppm), Ba (5000 ppm), Sb (11 200 ppm), and to a lesser extent Hg (2950 ppb) and W (536 ppm).

Samples collected from rusty hornfels at the south showing (on the Lorrie 10 claim) returned anomalous gold, arsenic, copper and zinc values, and one sample assayed 6.2% Cu.

REFERENCES

BELMORAL MINES LTD, 1973. Assessment Report #060904 by J. Needoba and R.H.D. Philp.

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TOMBSTONE EXPLORATIONS CO. LTD, 1992. Assessment Report #093010 by D.M. Strain.

WALHALA EXPLORATIONS LTD, Mar/90. Assessment Report #092817 by R.A. Doherty.

YUKON EXPLORATION 1990, p. 11; 1991, p. 6.

NAME(S): Bear

MINFILE #: 116A 033

MAJOR COMMODITIES: Au, Cu

MINOR COMMODITIES: W

TECTONIC ELEMENT: TPS

NTS MAP SHEETS: 116 A 4

LATITUDE: 64°12'30"N

LONGITUDE: 138°00'00"W

DEPOSIT TYPE: Vein

STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

CUBB

WORK HISTORY

Staked by Noranda Exploration Co. Ltd as Cubb claims (YB38493) in Oct/90. Noranda explored with prospecting, mapping, geophysical and geochemical surveys and two Kubota trenches in 1991.

GEOLOGY

The Bear Mountain showing consists of a 0.6 x 75 m vein of arsenopyrite, chalcopyrite and scheelite which cuts hornfelsed calcareous siltstone of the Cambro-Ordovician Kechika Group at the margin of a Cretaceous syenite stock. A specimen of massive arsenopyrite assayed 10 g/t Au. Kubota trenching showed that the vein follows a narrow east-west shear which is locally discordant to compositional banding in the hornfels. The hydrothermally altered hanging wall of the vein consists of 32 cm of white clay with grey patches of arsenopyrite. The footwall consists of up to 1 m of bleached, silicified hornfels underlain by another metre of yellow clay gouge.

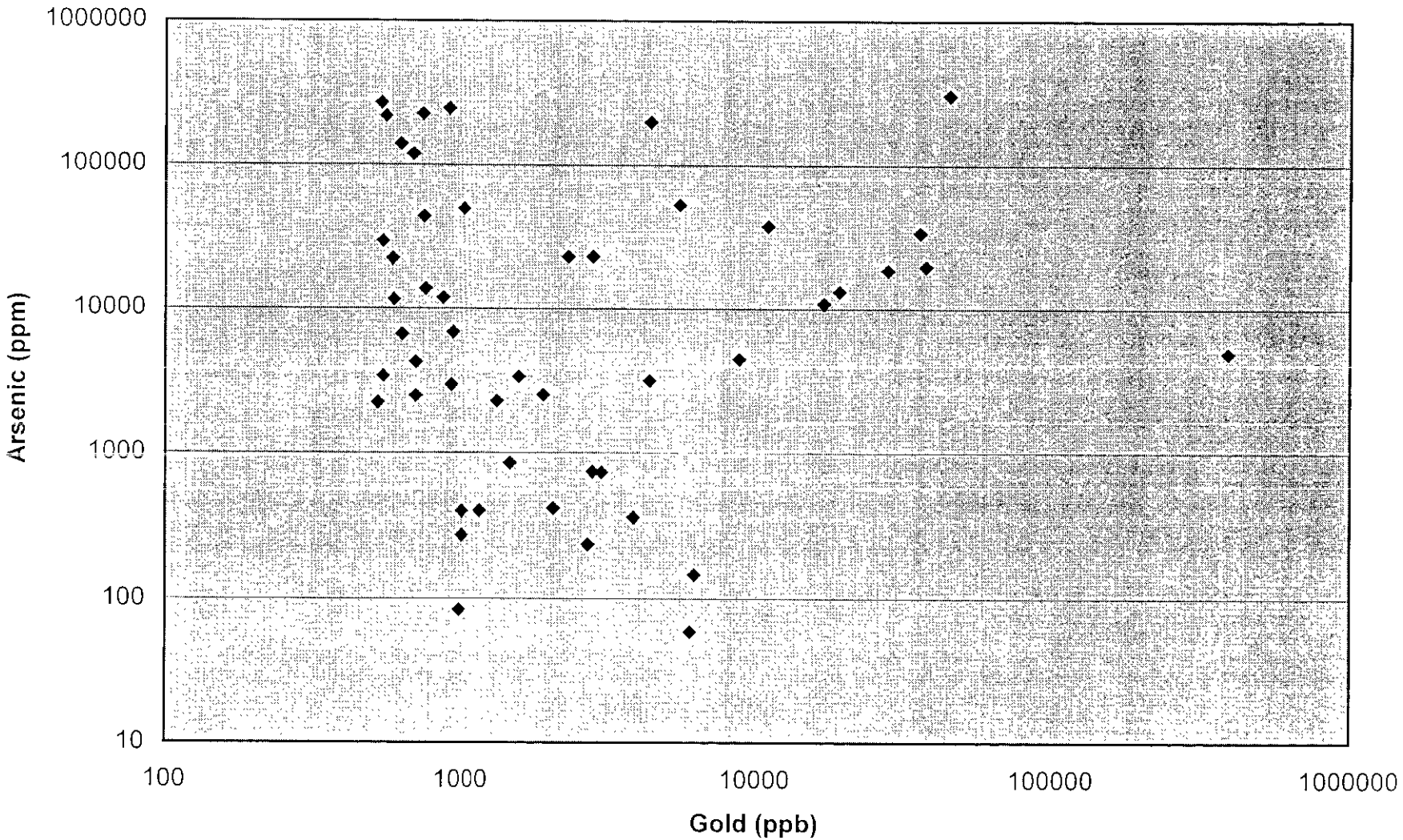
Arsenopyrite float is also associated with recessive linear zones of vuggy, orange-weathering banded carbonate breccia cutting the syenite stock. These breccia zones are subvertical, up to 10 m wide and also strike east-west, parallel to a dominant set of cooling joints in the intrusion. Similar east-west veins have been explored on Antimony Mountain to the northwest (Minfile 116A 094), and on the Rimrock (Lorrie) property to the northeast (Minfile 116A 013).

REFERENCES

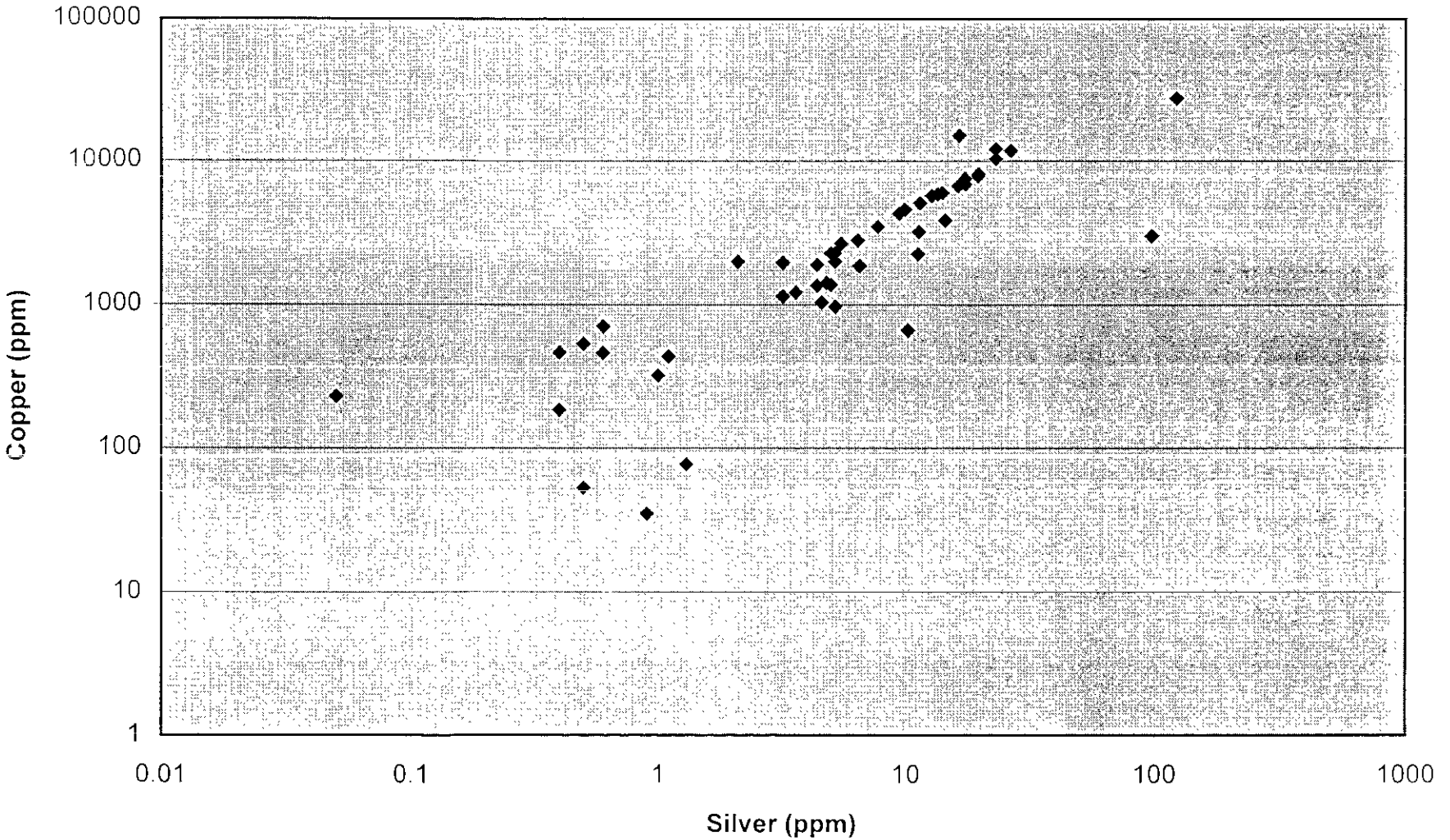
BREMNER, T., Aug/91. Field notes from property visit.

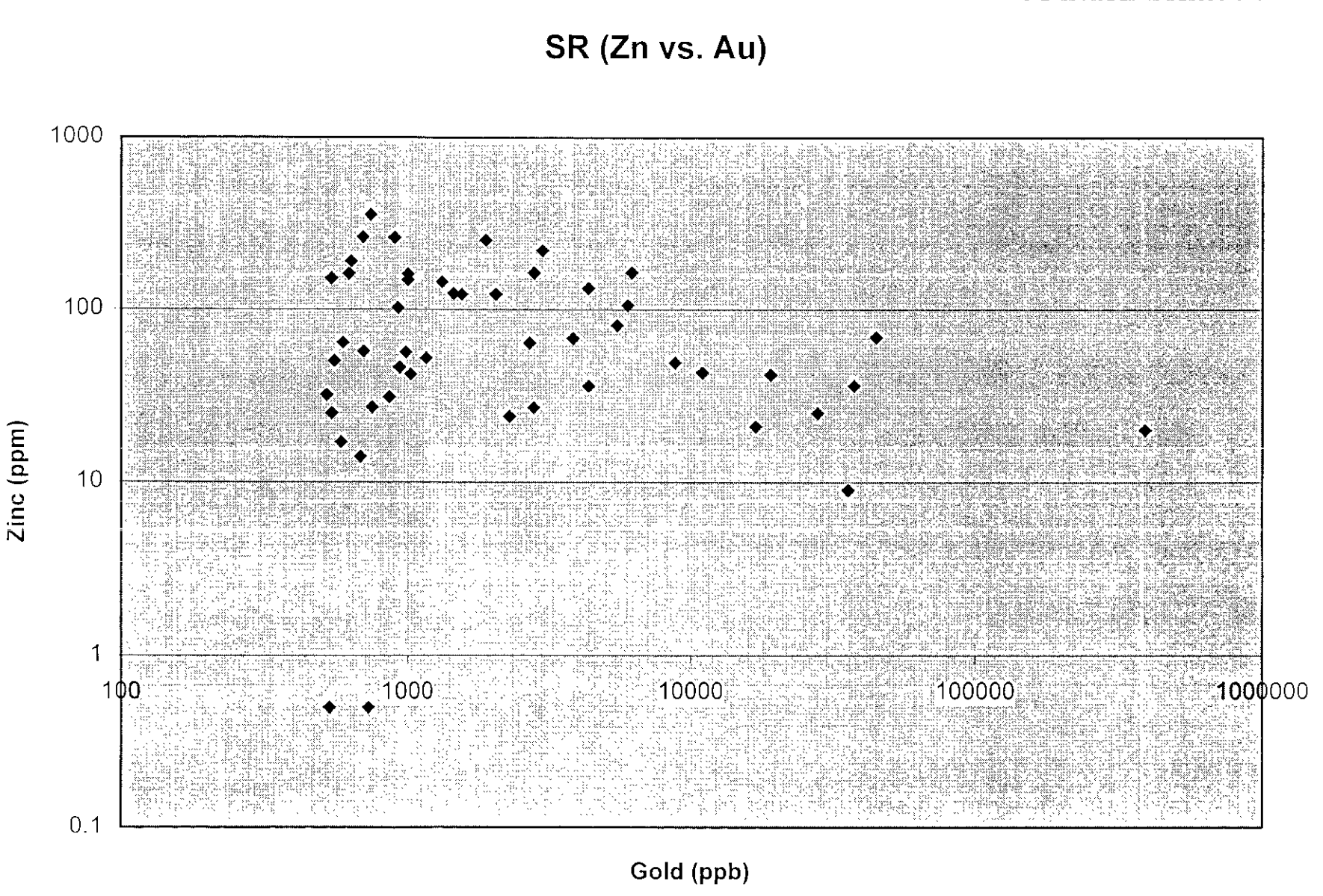
Appendix IV

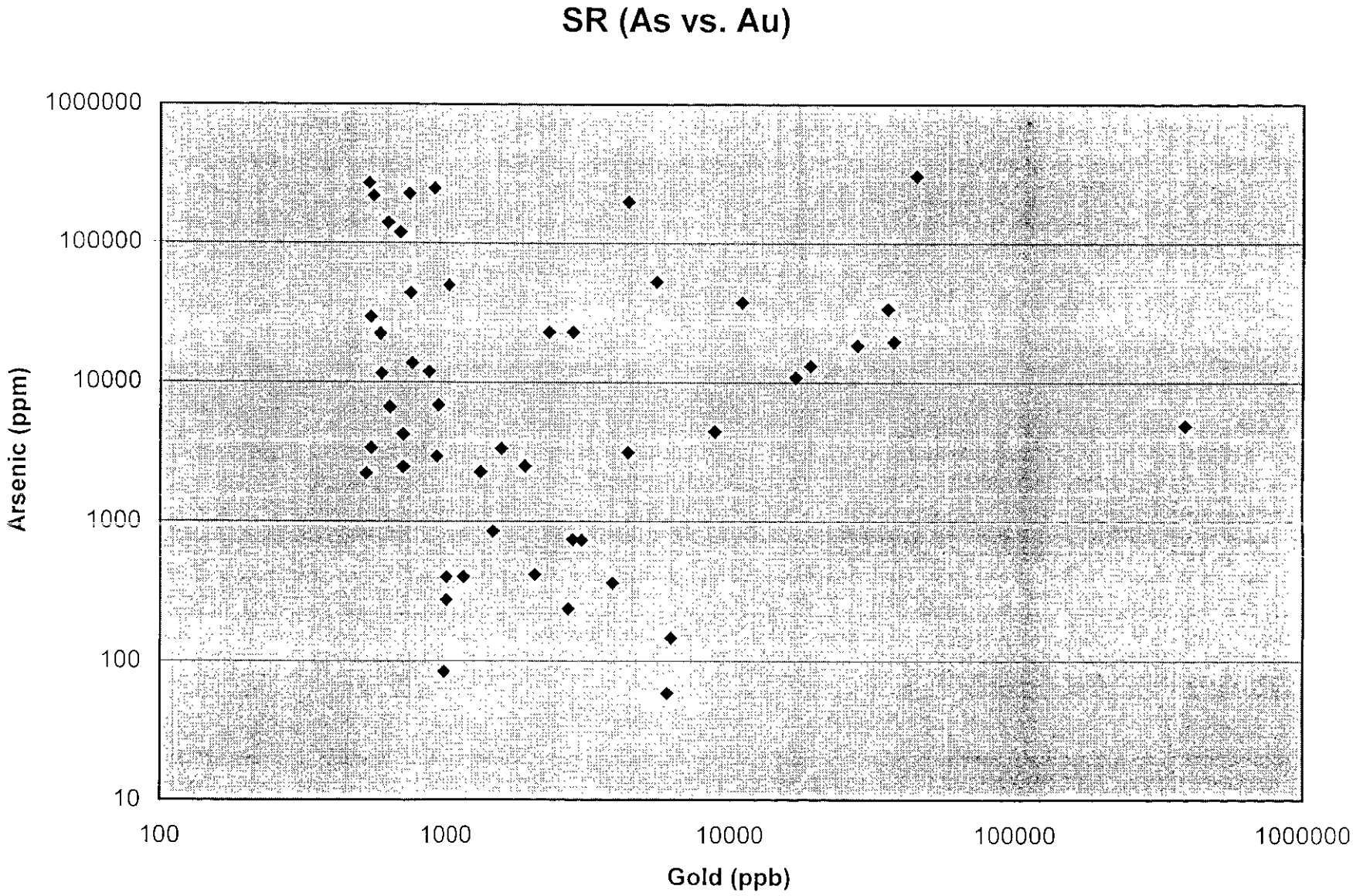
Trench Samples Correlation Plots

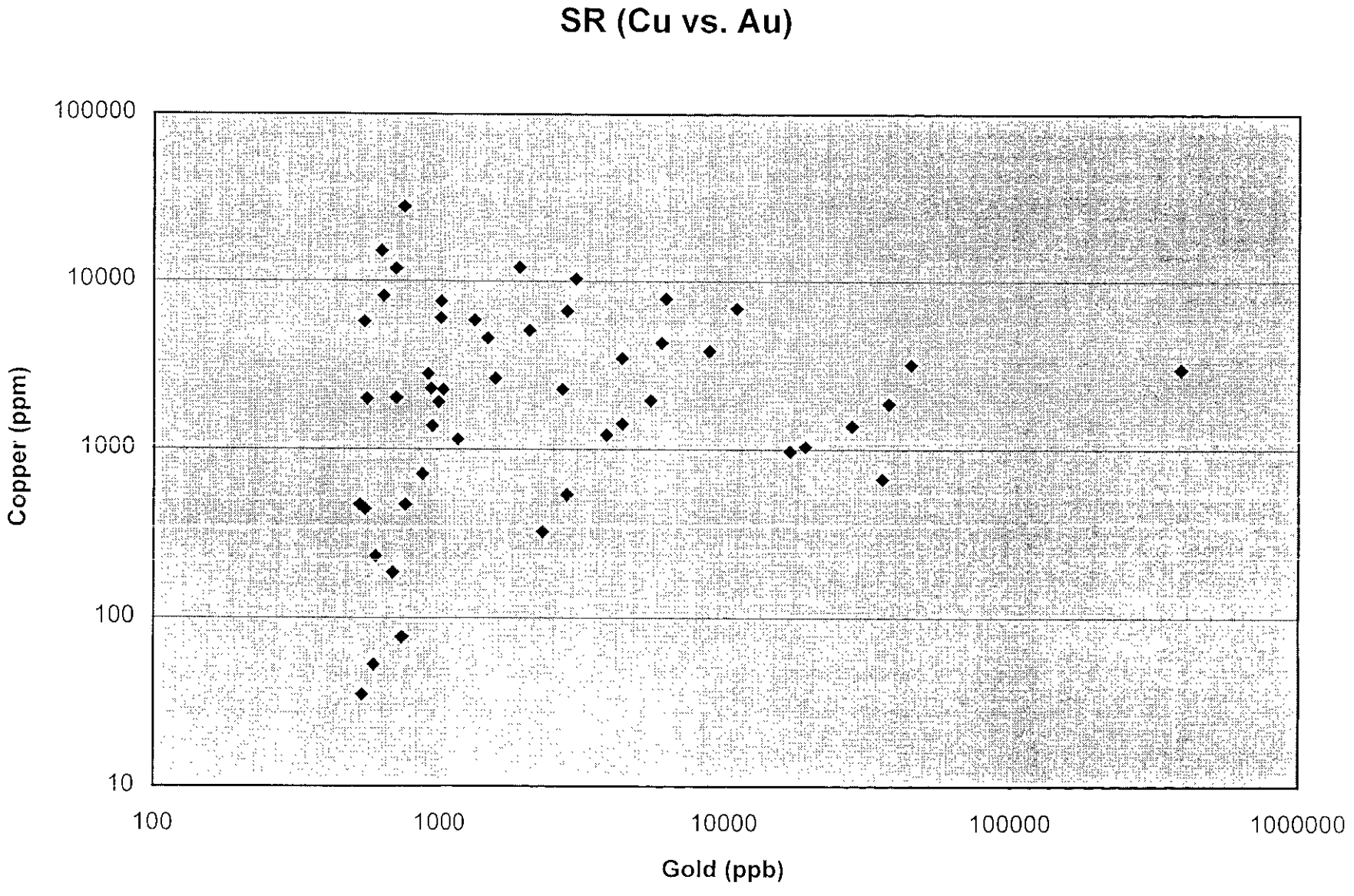

SR (As vs. Au)
1000000
100000
10000
1000
100
10
Arsenic (ppm)
100
1000
10000
100000
1000000
Gold (ppb)

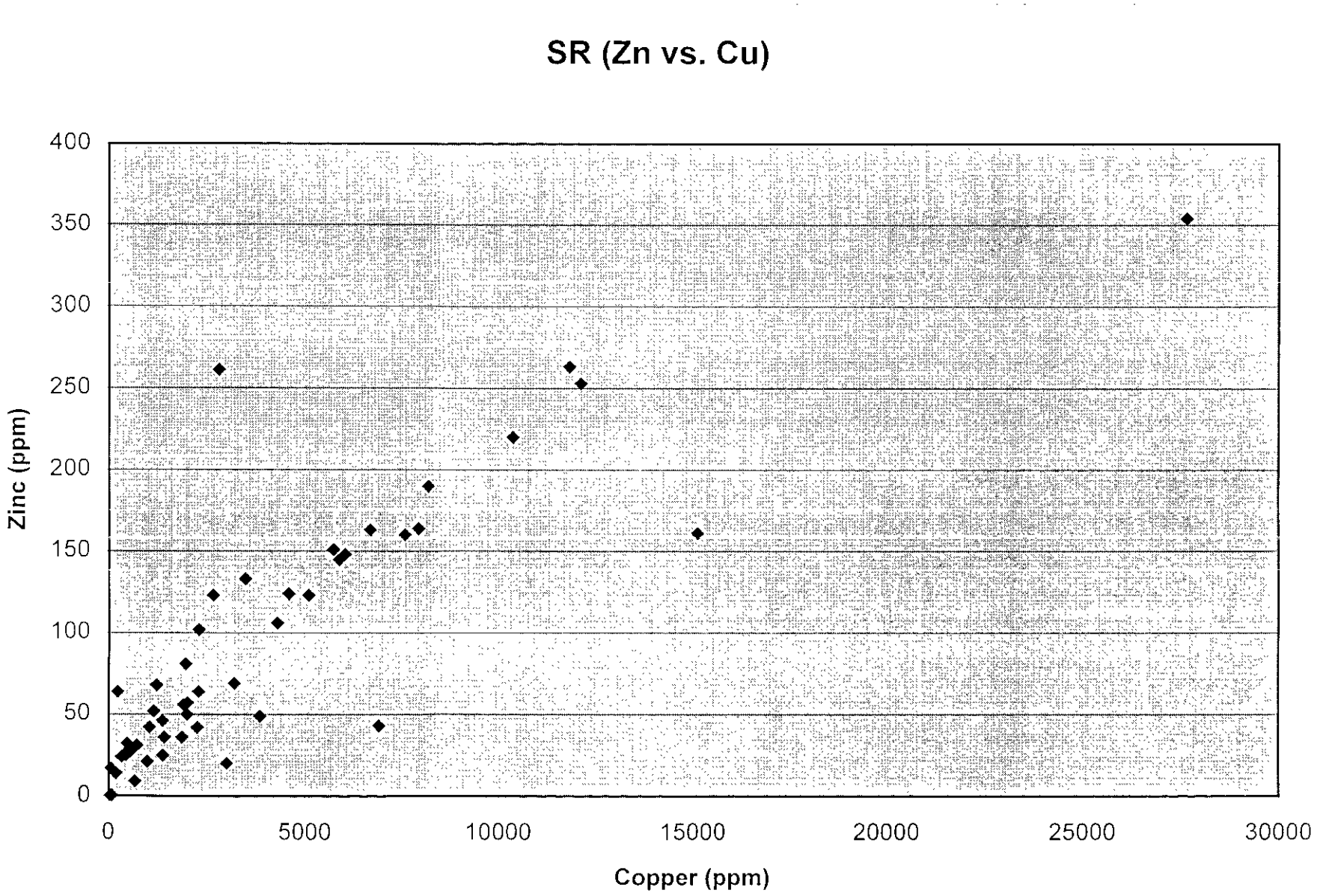
SR (Cu vs. Ag)

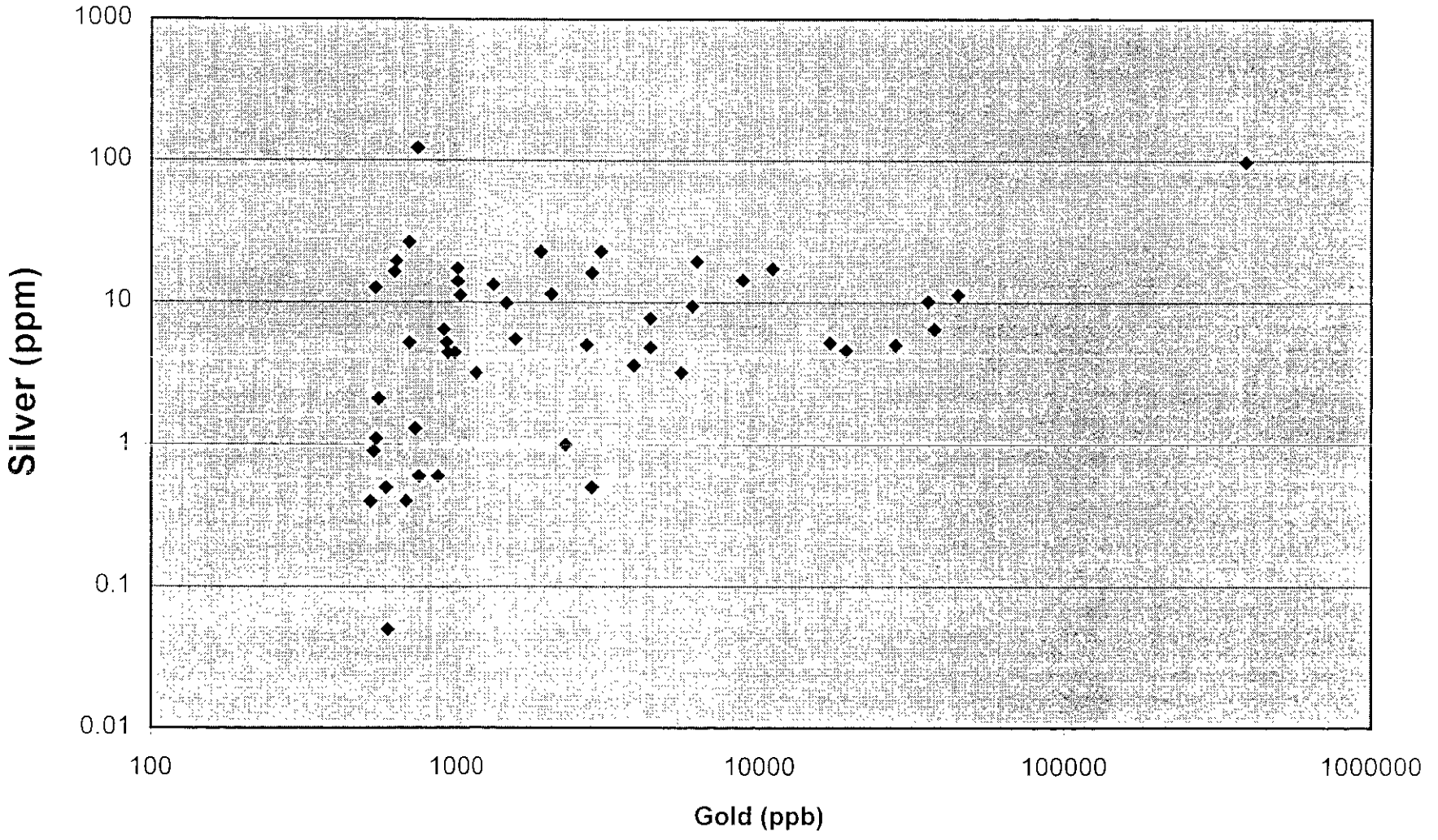

100000
10000
1000
100
10
1
Copper (ppm)
0.01
0.1
1
10
100
1000
Silver (ppm)


SR (Zn vs. Au)
1000
100
10
1
0.1
Zinc (ppm)
100
1000
10000
100000
1000000
Gold (ppb)


SR (As vs. Au)
1000000
100000
10000
1000
100
10
Arsenic (ppm)
100
1000
10000
100000
1000000
Gold (ppb)


SR (Cu vs. Au)
100000
10000
1000
100
10
Copper (ppm)
100
1000
10000
100000
1000000
Gold (ppb)


SR (Zn vs. Cu)
Zinc (ppm)
400
350
300
250
200
150
100
50
0
0
5000
10000
15000
20000
25000
30000
Copper (ppm)


SR (Ag vs. Au)
Silver (ppm)
1000
100
10
1
0.1
0.01
100
1000
10000
100000
1000000
Gold (ppb)

Java Property

Mike Lake Property

Rubble Lake

Mike Lake

Nit Lake

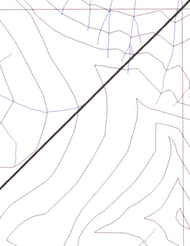
Net Lake

Lorrie Lake

7,136,000
7,135,000
7,134,000
7,133,000
7,132,000
7,131,000
7,130,000
7,129,000
7,128,000
7,127,000
7,126,000
7,125,000

356,000
357,000
358,000
359,000
360,000
361,000
362,000
363,000

Location Map



N

Legend

- 1998 Soil Sample
- Pre - 1998 Soil Sample
- 1998 Rock Sample
- Pre 1998 Rock Sample
- Java Property Boundary
- Mike Lake Property Boundary

093922

HOMESTAKE CANADA INC.

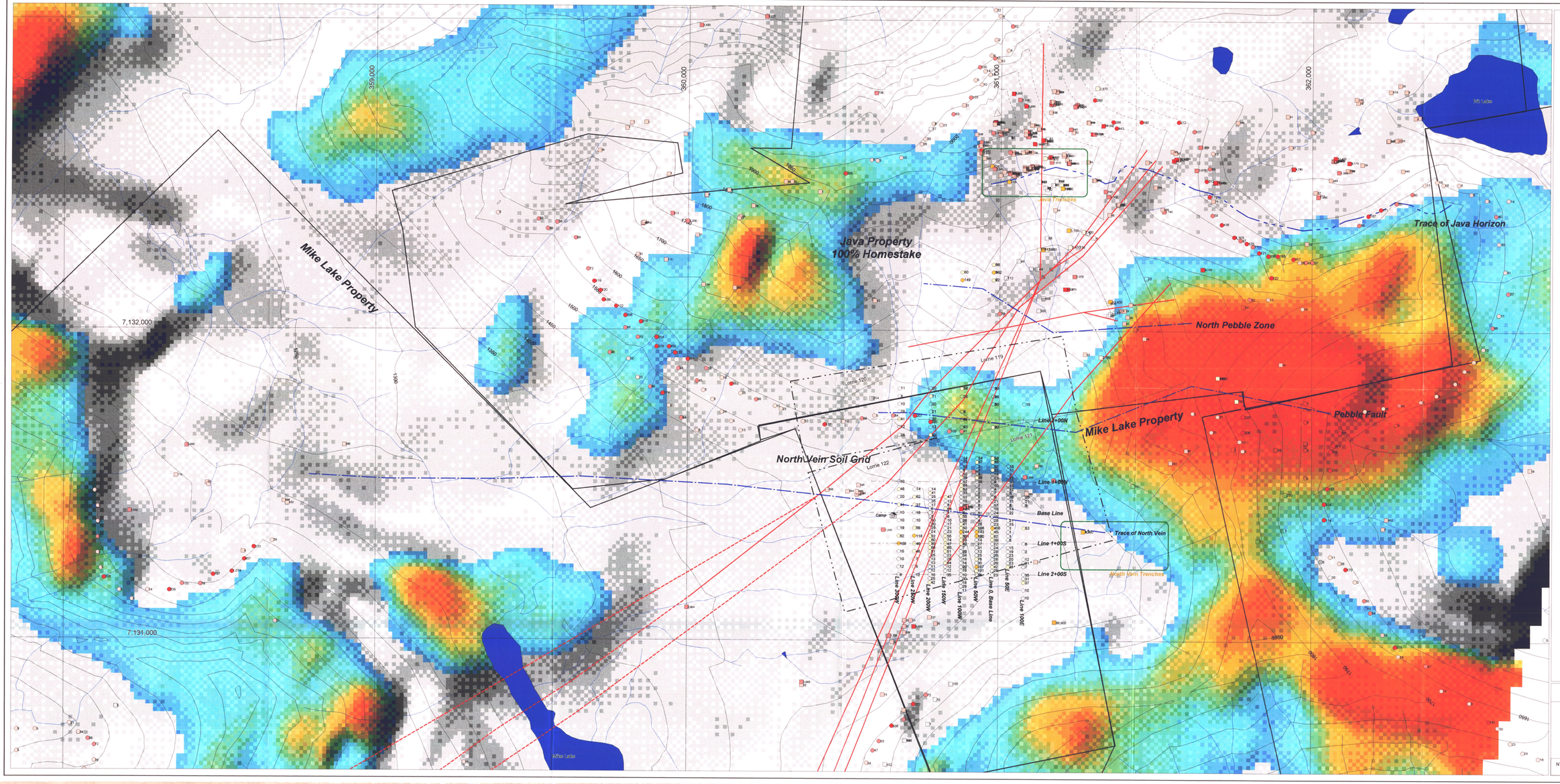
JAVA - MIKE LAKE PROPERTY

Figure 5.2
Sample Location Map

0 0.5
Kilometers 1 : 10 000

NTS 116A 4, 5	Nad 83 Elevation in meters	Dawson Mining District	November 1998	1 : 10 000

INAC - YUKON REGION, LIBRARY



Legend

Historical Soils - Au (ppb)
- 108 to 10,001 (178)
- 36 to 108 (179)
- 0 to 36 (747)

Historical Rock - Au (ppb)
- 4,000 to 200,000 (41)
- 700 to 4,000 (76)
- 0 to 700 (333)

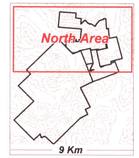
1998 Soil Samples - Au (ppb)
- 108 to 10,000 (9)
- 36 to 108 (66)
- 0 to 36 (182)

1998 Rock Samples - Au (ppb)
- 4,000 to 300,000 (25)
- 700 to 4,000 (43)
- 0 to 700 (378)

Claim Boundaries

Mineralizing Dykes

Structural or Stratigraphic Features



N

093 922



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HOMESTAKE CANADA INC.

JAVA - MIKE LAKE PROPERTY

Figure 5.31
Mag Survey with Au in Soil and Rock Samples North Vein/Java Area

0 0.25 Kilometers

NTS 116A 4, 5	Nad 83 Elevation in meters	November 1998	1 : 5000

Legend

Historical Soils - Au (ppb)

- 156 to 10,001 (137)
- 48 to 156 (162)
- 0 to 48 (806)

Historical Rock - Au (ppb)

- 4,000 to 200,000 (41)
- 700 to 4,000 (75)
- 0 to 700 (333)

1998 Soil Samples - Au (ppb)

- 108 to 10,000 (22)
- 36 to 108 (76)
- 0 to 36 (517)

1998 Rock Samples - Au (ppb)

- 4,000 to 300,000 (25)
- 700 to 4,000 (43)
- 0 to 700 (378)

Claim Boundaries

Mineralizing Dykes Known, Inferred

Structural or Stratigraphic Features Known, Inferred

Map Area

9 Km

N 093 922

Java
Dawson
Mayo
Carmacks
Ross River
Whitehorse

Dwg 3

HOMESTAKE CANADA INC.

JAVA - MIKE LAKE PROPERTY

Figure 5.32
Mag Survey with Au in Soil and Rock Samples Skarn Ridge Area

0 0.25 Kilometers

NTS 116A 4, 5	Nad 83 Elevation in meters	November 1998	1 : 5000

DIAND - YUKON REGION, LIBRARY

LEGEND

GEOLOGICAL SYMBOLOGY

INTRUSIVES – LATE CRETACEOUS

- Kdio — Biotite – hornblende diorite
- Ksy — Syenite

TRIASSIC

- Tgab — Pyroxene – hornblende (±serpentine) gabbro

CAMBRO–ORDOVICIAN RABBITKETTLE FORMATION

- COrcp — Calcareous phyllite
- COrcong — Calcareous phyllite with limestone conglomerate
- COrarg — Argillite

UPPER PROTEROZOIC – LOWER CAMBRIAN

- PCharg — Argillite / siltstone
- PChqtz — Quartzite ±grit± conglomerate
- COrcong — Conglomerate
- PChqA — Interbedded quartzite & argillite

STRUCTURAL SYMBOLOGY

- Contacts: Known: Assumed
- Bedding: Tops known: Tops unknown: Tops overturned
- S1 foliation
- Axial plane: fold axis (s–fold)
- Antiform: Overturned antiform
- Synform: Overturned synform
- Joint
- Faults: Thrust: Reverse: Normal
- Fracture zone with no displacement
- Trenches: Claim outlines

Ksy (Mike Lake Intrusion)
Ksy (Java Intrusion)
Kdio (Mafic Dykes)
Java Bed
North Vein Showing
Camp 1
Camp 2
Mike Lake
Rubble Lake
Lorrie Lake
Nit Lake

HOMESTAKE CANADA INC.

Java - Mike Lake Property

Java/Skarn Ridge Geology and Structure

093922

Scale: 1:10,000

NTS: 116A04 116A05	UTM NAD 83 Zone 8 10m Contour Intervals	December 1998	Figure 5.1

Dawson Mining District

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E:\ACTIV_PR\JAVA\COMPILE\overview.dwg Date: 1998/12/11 Time: 13:31:01 User: rcheek

Appendix V

1998 Max Min Survey Report

MEMORANDUM

AMEROK GEOSCIENCES LTD.

Box 5808 Whitehorse, YT, Y1A 5L6 Phone: (867) 668-7672 Fax:(867) 393-3577 amerok@yknet.yk.ca

To: Dominic Bordin
Homestake Canada Ltd.

Date: 01 Aug 98

From: Mike Power

Re: Field Report - Java / Skarn Properties - MaxMin surveys

This field report describes horizontal loop electromagnetic (HLEM) surveys conducted on the Java - Mike Lake and Skarn grids. The surveys were conducted to trace arsenopyrite-bearing calc-silicate units hosting gold mineralization on the properties.

a. Personnel and equipment. A two-man crew consisting of Chris Gooliaff (Crew chief) and Dan Hall (Technician) were provided together with the following equipment:

Instruments: 1-Apex Parametrics MaxMin I-10 w/MMC and 100 m, 50 m and 150 m cables.

Data processing: P-75 laptop, colour printer.

Other: F250 4x4 truck

Accomodation was provided by Homestake Canada; the crew provided their own groceries.

b. Grid. Survey grids were straight chained (not slope corrected) and picketed at 25 m intervals. Grids are plotted in idealized coordinates as no accurate topographic survey of line locations was performed.

c. Survey specifications. The HLEM survey was conducted according to the following specifications:

Coil spacing: 100 m

Station spacing: 25 m

Frequencies:	3520 Hz, 7040 Hz and 14,080 Hz (100 m coils)
Terrain corrections:	Slope chain method using oriented coils (ie. tilt corrected in the field). Short coil errors introduced by irregular topography were removed during data processing.

Detail surveys with coil spacings of 50 and 150 m were conducted over an intersection of interest on the Java - Mike Lake grid. These were performed to provide additional information to constrain the interpreted target geometry.

d. Data processing and interpretation. The data was recorded in the MMC during the surveys and downloaded to the laptop daily. Post-acquisition data processing included the removal of terrain induced short coil errors using the Apex MMCFIX1 program. Data interpretation was performed using proprietary software incorporating Ketola and Puranen's (1967) characteristic curves which fit the data to a dipping plate conductor. This model is appropriate given the responses detected. Preliminary stacked profiles were first screened to determine noise levels and to identify anomalous responses. Similar responses with line-to-line correlation were grouped into anomaly trends. Individual anomalies were examined to extract characteristic parameters including excess width in the response (an indication of conductor width), in-phase to quadrature ratios and amplitudes. These were matched interactively with characteristic curves in order to determine the depth to the top, dip, width and conductivity-thickness product (conductance or σt) of the conductor.

d. Products. Digital data is appended to this report in Geopak (ASCII) XYZ format with a complete description of the file contents found in the header at the top of the file. Data is archived by grid and the files MM100 and MMDET contain the first pass (100 m coil) and detail survey data. Also appended are stacked profile plots at 1:5,000 showing the in-phase (solid) and quadrature (dashed) vertical component response together with the grid lines. The base level of 0% H_z is coincident with the survey lines in all cases and positive values plot to the right and negative values plot to the left of the survey lines. Anomaly locations are shown in light blue using symbols to indicate the target conductance, excess width and depth to top of the interpreted source bodies. Anomaly designations are shown in the blue boxes and are referred to below.

e. Results - Skarn Grid. The Skarn Grid data shows a very high amplitude response and ambient noise level of less than $\pm$ 3% H_z. One suspect reading at L 0E 1225N is noted. Four anomaly trends were identified on the Skarn Grid.

S-1

This anomaly is discordant, cutting across stratigraphy and appears to be caused by a north dipping conductor with a response similar to that expected from a tabular

conductor. The responses are complex and do not strictly fit a tabular conductor model. On L200W and L100W, the quadrature response is wider than the in-phase response suggested that a halo of low resistivity rock surrounds the primary target. The target appears to dip moderately to the north on L300W. Maximum target conductance is 1.1 Seimens (mhos) (S). This conductor may be a fault or shear.

S-2

This anomaly is concordant with respect to stratigraphy and extends from L200W to L300E. The most definite response is on L100W where the anomaly appears to be caused by a tabular conductor dipping to the north at a moderate to shallow angle. The trend of the conductor axis when compared with the topography suggests that the conductor dips at a very shallow angle. The target shows considerable excess width and the interpreted depths to the top are unusually great. This may be a consequence of interfering responses from S-4 which also render it difficult to accurately read target dip. The dip direction appears to be shallow to the north, if the response asymmetry and trend of the conductor are considered. Maximum target conductance is 1.1 S. This conductor may be stratabound and is coincident with a gold soil geochemical anomaly.

S-3

Anomaly S-3 is similar to S-1 although the response is weaker. On L 0E, the target appears to dip to the north at a shallow angle and the response resembles that found on the edge of a flat conductor. Maximum target conductance is 1.1 S and the conductor appears to be stratabound conductor similar to S-2.

S-4

Anomaly S-4 truncates S-2 and S-3 and is discordant with respect to the stratigraphy. It is linear, cutting upsection and running upslope with no deflection from topography. This, when combined with the symmetrical positive flanking responses suggests that the conductor is vertical to steeply dipping. The source is wide with a maximum excess width of 70 m on L200W and has a maximum conductance of 2.7 S. It appears to be a fault or shear truncating stratabound conductors S-2 and S-3.

Conductors S-2 and S-3 appear to be the only valid geophysical targets on the grid. They appear to be stratabound and are coincident with a gold soil geochemical anomaly (C. Gooliaff, pers comm.). The appear to demarcate the edge of conductive mineralization within the stratigraphy and would have to be drill tested by vertical holes sited uphill of the anomaly intersections.

f. Results - Java - Mike Lake Grid. Moderate to low amplitude HLEM response characterizes the data on the Java - Mike Lake Grid. The ambient noise level appears

to be ± 1% H_z and suspect data is recorded on L0E from 625-725N. Data from both the prior test survey and the product survey are shown in the plots. The data from 3520 Hz also contains 1760Hz data (in greyshade). During the test survey 1760 Hz was recorded as shown but this frequency was dropped during the production survey because the response was considered too weak. Three anomalies are found on the Java - Mike Lake Grid:

J-1

Anomaly J-1 is coincident with the Pebble Zone and the only strong response is recorded on L400E (1760 Hz). The source conductor appears to be a steeply dipping, shallow (10-20 m), weak conductor (1.0 S). There is no strike extension to the west; the response on L300E is questionable and may be an offline response to mineralization on L400E.

J-2

Anomaly J-2 consists of weak, primarily quadrature responses originating from a steeply dipping, shallow conductor with very low conductance. This conductor is coincident with a mapped fault.

J-3

Anomaly J-3 consists of moderate to strong quadrature and weak to moderate in-phase responses across the length of the grid. The anomaly appears to strengthen on strike to the east, perhaps reflecting the thickness of overburden. The response on L400W appears to be phase shifted, indicating overburden interference with the bedrock response. Interpreted target depths are in the range of 10 to 20 m except on L200E where the response is particularly weak. It appears that there may be a gap in the conductor at this point and that the recorded response is due to an off line target or targets. Maximum target conductance is 1.6 S on L100E. This conductor was detailed on L300W where it was found to have a depth to top of less than 25 m and be centred at L300W 38N. Positive peak response asymmetry at the 150 m coil spacing suggests dip to the N but the shift in peak negative response indicates that the conductor probably dips steeply south and that the footwall rocks are conductive. This conductor is coincident with an auriferous arsenopyrite rich horizon and the results of the survey appear to extend the zone at least as far west as L300W. The absence of a strong response on L200E and the deflection in both J-2 and J-3 suggests that a fault with minimal right lateral displacement may be present between L100E and L200E.

I am available to discuss these preliminary results, between surveys, in Whitehorse. We are performing a few measurements on the samples you sent to us and these, together with some additional interpretation work will be included in the final report.

Respectfully submitted,
AMEROK GEOSCIENCES LTD.



Mike Power M.Sc. P.Geoph.
Geophysicist

Amerok Geosciences Ltd.

Box 5808
Whitehorse, Yukon Y1A 5L6
Phone: (867) 668-7672
Fax: (867) 393-3577
E-mail: amerok@yknet.yk.ca

INVOICE

GST No.: RT89493 8588
File: 98-18

Invoice 98058
July 27, 1998

In account with: **Homestake Canada Inc.**
Suite 1100 - 1055 West Georgia St.
Vancouver, BC V6E 3P3

Re: **Mike Lake / Java and Skam Ridge - MaxMin Surveys**

Professional Services:

MaxMin Surveys	
5.0 days survey	$5,375.00
Mobe/demobe (fixed cost, as per contract)	$2,200.00
Subtotal	$7,375.00
Federal GST	$516.25
TOTAL	**$7,891.25**

Terms: Net 30 days. Interest charged at 2% per month on overdue accounts

AMEROK GEOSCIENCES LTD.

SURVEY LOG
HOMESTAKE CANADA INC. - MIKE LAKE / JAVA AND SKARN RIDGE
MAXMIN SURVEYS - JOB 98-18
JULY 17 - JULY 22, 1998

Personnel: Chris Gooliaff - crew chief
Dan Hall - technician

Fri 17 Jul 98

Full day of max-min survey. Flew in to camp from Dawson City in a.m. and straight out to Skarn Ridge Grid. Slow progress due to loose talus, broken cable, and two extra frequencies surveyed to check results.

Production: L200W: 0550N - 1400N
L100W: 0000N - 1400N
Total Production: 2.25 line-km

Sat 18 Jul 98

Max-min survey. Continued on L200 from yesterday. Grizzly spotted in valley where line goes. Slow progress due to loose talus and sharp rocks cutting cable three times.

Production: L200W: 0000N - 0525N
L300W: 0000N - 1400N
L000E: 0400N - 1375N
Total Production: 2.90 line-km

Sun 19 Jul 98

Max-min survey. No broken cables today, made for better progress. Sked with Whitehorse in evening.

Production: L000E: 0000N - 0400N
L100E: 0400S - 1300N
L300E: 0000N - 1250N
Total Production: 3.35 line-km

Mon 20 Jul 98 — Max-min survey on Java Grid near camp. Lots of terrain covered today due to user-friendly talus and slopes.

Production:	L400W:	0450S - 0125N
	L300W:	0450S - 0825N
	L200W:	0300S - 0850N
	L100W:	0350S - 0850N
	L000E:	0225S - 0925N

Total Production: 5.35 line-km

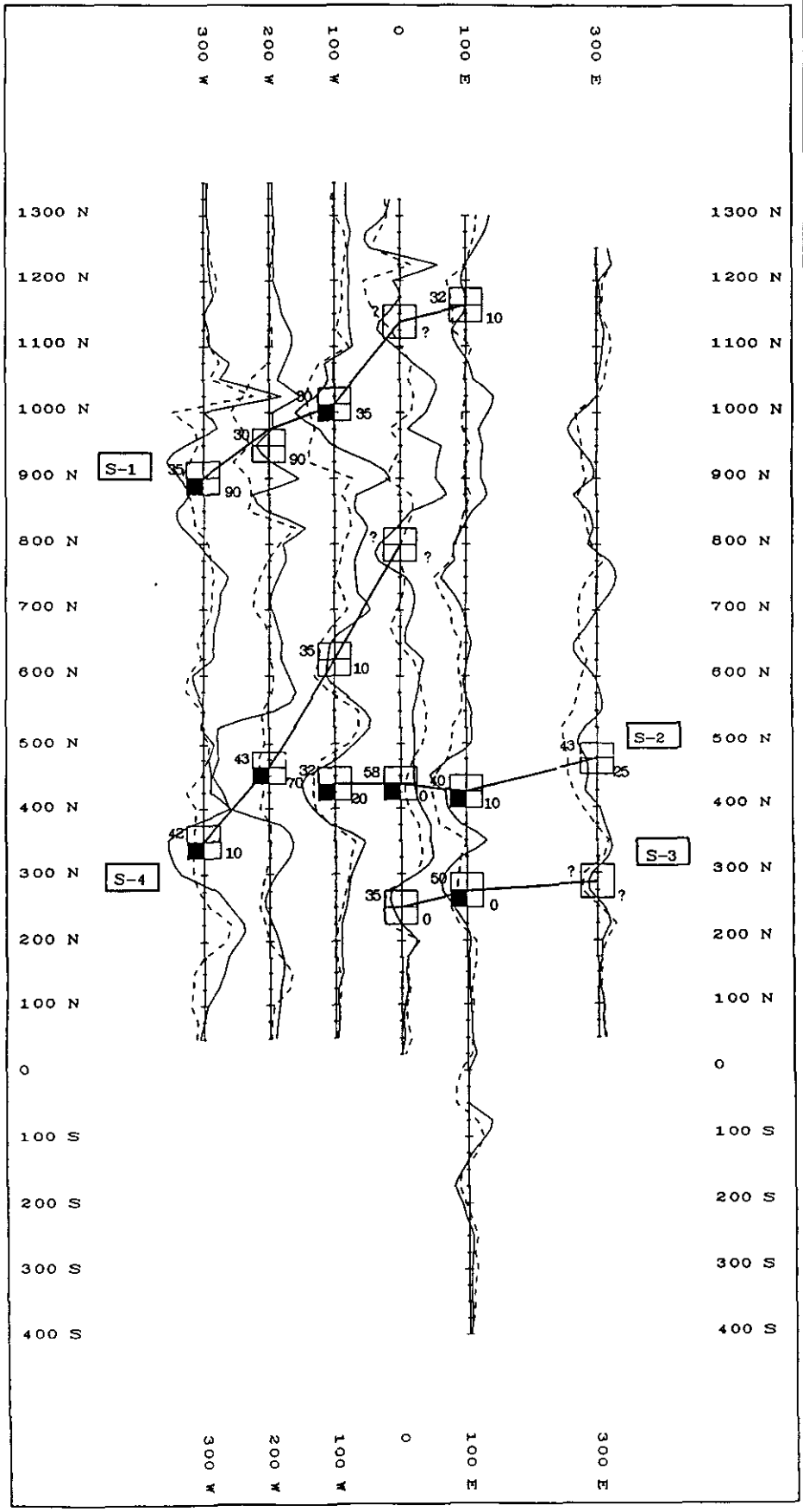
Tues 21 Jul 98 — Max-min survey. Finished up two full lines and spent rest of afternoon detailing L300W at 50 m and 150 m coil spacing. Processed data for Dominic before detailing line. Plotted field copies for Dominic and packed gear for demobe in am.

Production:	L100E:	0000N - 1000N
	L200E:	0000N - 1000N
	L300W:	0275S - 0300N (150 m coil spacing)
	L300W:	0075S - 0150N (50 m coil spacing)

Total Production: 2.80 line-km

Weds 22 Jul 98 — Demobe from camp to Dawson and then to Whitehorse.

Production Summary: 16.645 line-km



N

CONDUCTANCE (14080 Hz)

) 50 S

20 - 50 S

5 - 20 S

1 - 5 S

(1 S

Depth (m)

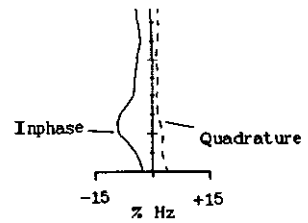
15

4

Excess Width (m)

Conductance Unknown

Conductor Axis



Scale: 1:10,000

0 250

metres

Grid (0E, 0N) = UTM 357800E 7127600N

NAD 1927

HOMESTAKE CANADA INC.

SKARN RIDGE PROPERTY

(NTS 116A/15)

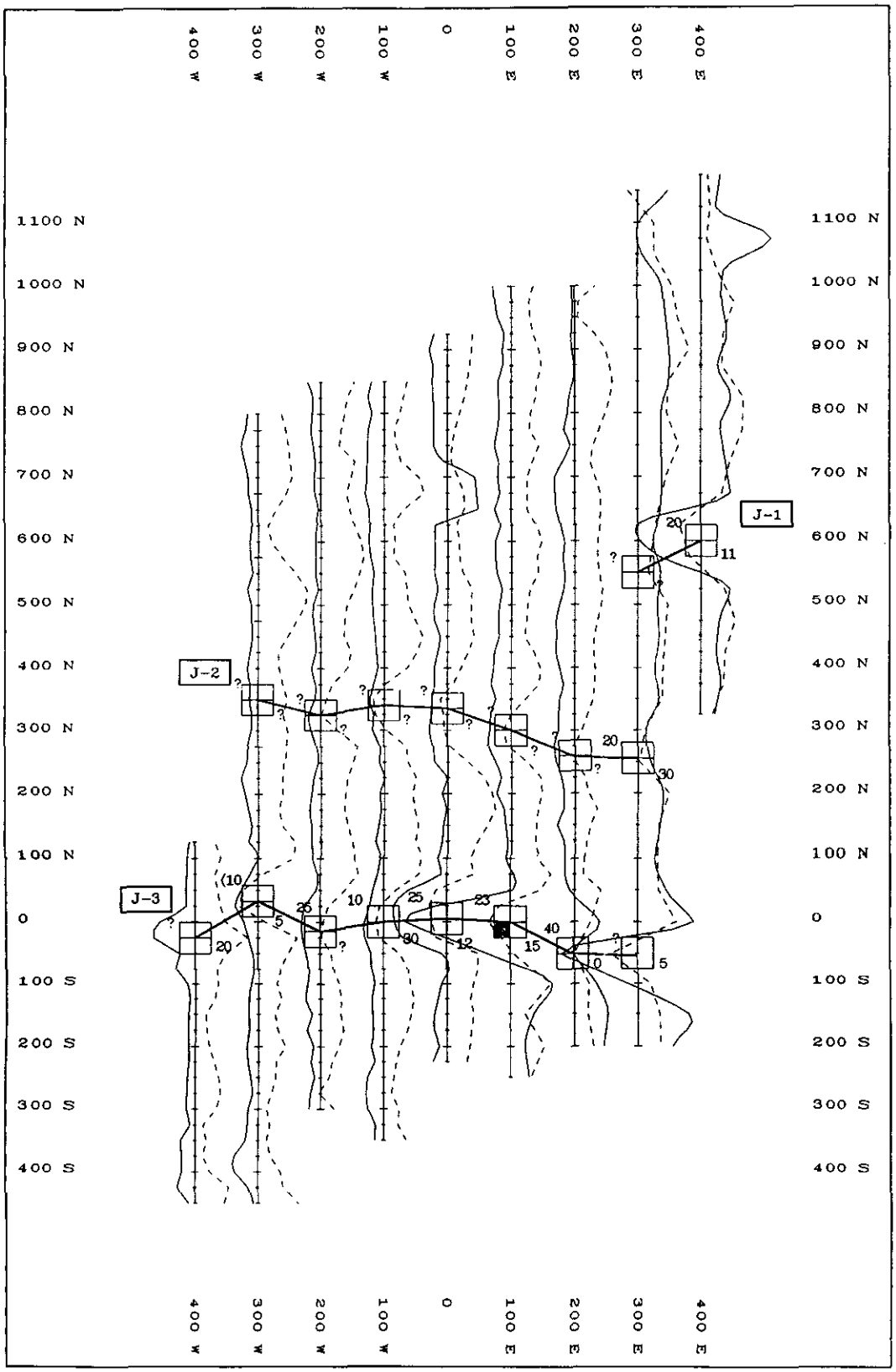
MAXMIN I-10 SURVEY

14080 Hz - 100m coils

STACKED PROFILES

Figure

AMEROK GEOSCIENCES LTD.



N

CONDUCTANCE (14080 Hz)

) 50 S

20 - 50 S

5 - 20 S

1 - 5 S

(1 S

Depth (m)

15 4

Excess Width (m)

Conductance Unknown

Conductor Axis

Inphase

Quadrature

-15 +15

% Hz

Scale: 1:10000

0 250

metres

Grid (0E, 0N) = UTM 360960E 7131412N

NAD 1927

HOMESTAKE CANADA INC.

JAVA-MIKE LAKE PROPERTY

(NTS 116A/15)

MAXMIN I-10 SURVEY

14080 Hz - 100m coils

STACKED PROFILES

Figure

AMEROK GEOSCIENCES LTD.

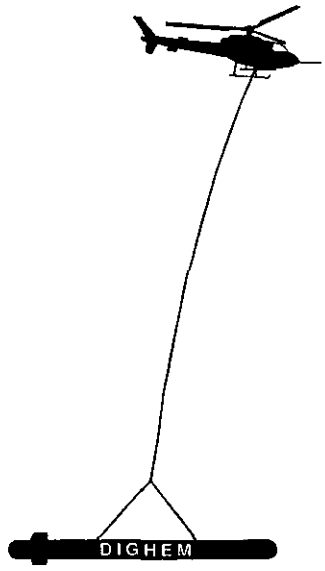
Appendix VI

1998 Dighem Aeromagnetic Survey Report

Report #1316

DIGHEM^{V} SURVEY
FOR
HOMESTAKE CANADA INC.
MIKE LAKE/JAVA PROJECT
YUKON TERRITORY

NTS 116A/4,5



Geoterrex-Dighem, A division of CGG Canada Ltd.
Mississauga, Ontario
October 16, 1998

Linda E. Chung
Geophysicist

SUMMARY

This report describes the logistics and results of a DIGHEM^V airborne geophysical survey carried out for Homestake Canada Inc., over a property located 90 km east of Dawson City in the Dawson District, Yukon Territory. Total coverage of the survey block amounted to 538 km. The survey was flown from August 30 to September 2, 1998.

The purpose of the survey was to detect zones of conductive mineralization and to provide information that could be used to map the geology and structure of the survey area. This was accomplished by using a DIGHEM^V multi-coil, multi-frequency electromagnetic system, supplemented by a high sensitivity cesium magnetometer. The information from these sensors was processed to produce maps which display the magnetic and conductive properties of the survey area. A GPS electronic navigation system, utilizing a satellite (UHF) link, ensured accurate positioning of the geophysical data with respect to the base maps. Visual flight path recovery techniques were used to confirm the location of the helicopter where visible topographic features could be identified on the ground.

The survey property contains several anomalous features, many of which are considered to be of moderate to high priority as exploration targets. Most of the inferred bedrock conductors appear to warrant further investigation using appropriate surface exploration techniques. Areas of interest may be assigned priorities on the basis of supporting geophysical, geochemical and/or geological information. After initial investigations have been carried out, it

may be necessary to re-evaluate the remaining anomalies based on information acquired from the follow-up program.

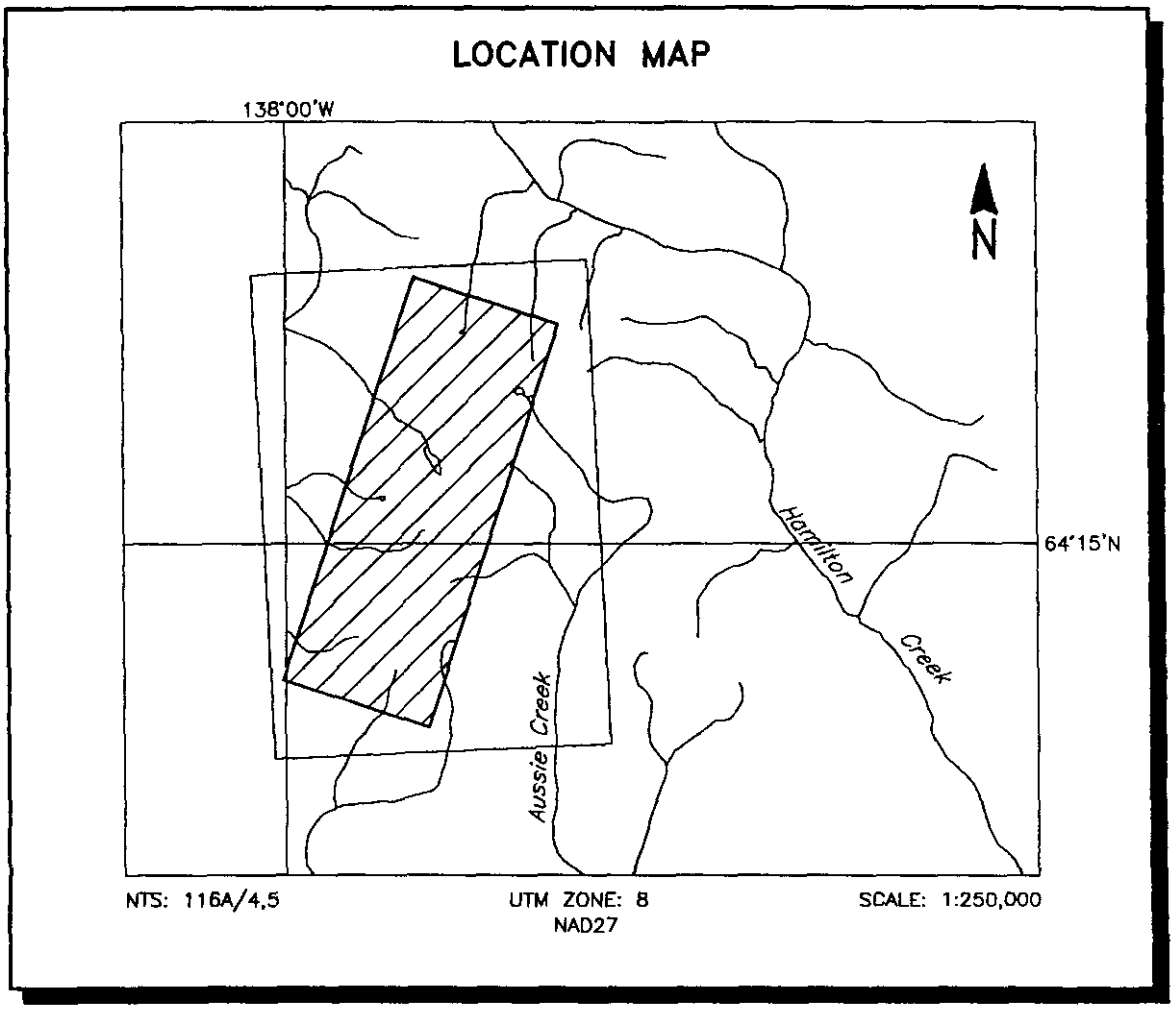


FIGURE 1
HOMESTAKE CANADA INC.
MIKE LAKE/JAVA PROJECT
YUKON TERRITORY
JOB #1316

CONTENTS

	Section
INTRODUCTION	1.1
SURVEY EQUIPMENT	2.1
PRODUCTS AND PROCESSING TECHNIQUES	3.1
SURVEY RESULTS	4.1
General Discussion	4.1
Conductors in the Survey Area	4.8
CONCLUSIONS AND RECOMMENDATIONS	5.1

APPENDICES

A. List of Personnel
B. Statement of Cost
C. Background Information
D. EM Anomaly List

INTRODUCTION

A DIGHEM^V electromagnetic/resistivity/magnetic survey was flown for Homestake Canada Inc., from August 30 to September 2, 1998, over a survey block located 90 km east of Dawson City in the Dawson District, Yukon Territory. The survey area can be located on NTS map sheets 116A/4,5 (Figure 1).

Survey coverage consisted of approximately 538 line-km, including 29 km of tie lines. Flight lines were flown in an azimuthal direction of 110°/290° with a line separation of 150 metres.

The survey employed the DIGHEM^V electromagnetic system. Ancillary equipment consisted of a magnetometer, radar and barometric altimeter, video camera, analog and digital recorders, and an electronic navigation system. The instrumentation was installed in an AS350B turbine helicopter (Registration C-FJIX) which was provided by Questral Helicopters Ltd. The helicopter flew at an average airspeed of 120 km/h with an EM sensor height of approximately 30 m.

Section 2 provides details on the survey equipment, the data channels, their respective sensitivities, and the navigation/flight path recovery procedure. Noise levels

INTRODUCTION

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Section 2 provides details on the survey equipment, the data channels, their respective sensitivities, and the navigation/flight path recovery procedure. Noise levels

of less than 2 ppm are generally maintained for wind speeds up to 35 km/h. Higher winds may cause the system to be grounded because excessive bird swinging produces difficulties in flying the helicopter. The swinging results from the 5 m^2 of area which is presented by the bird to broadside gusts.

In some portions of the survey area, the steep topography forced the pilot to exceed normal terrain clearance for reasons of safety. It is possible that some weak conductors may have escaped detection in areas where the bird height exceeded 120 m. In difficult areas where near-vertical climbs were necessary, the forward speed of the helicopter was reduced to a level which permitted excessive bird swinging. This problem, combined with the severe stresses to which the bird was subjected, gave rise to aerodynamic noise levels which are slightly higher than normal on some lines. Where warranted, reflights were carried out to minimize these adverse effects.

SURVEY EQUIPMENT

This section provides a brief description of the geophysical instruments used to acquire the survey data and the calibration procedures employed.

Electromagnetic System

Model: DIGHEM^V

Type: Towed bird, symmetric dipole configuration operated at a nominal survey altitude of 30 metres. Coil separation is 8 metres for 900 Hz, 5500 Hz and 7200 Hz, and 6.3 metres for the 56,000 Hz coil-pair.

Coil orientations/frequencies:

orientation		nominal	actual
coaxial	/	900 Hz	881 Hz
coplanar	/	900 Hz	1,053 Hz
coaxial	/	5,500 Hz	5,485 Hz
coplanar	/	7,200 Hz	7,327 Hz
coplanar	/	56,000 Hz	56,120 Hz

Channels recorded:
5 inphase channels
5 quadrature channels
2 monitor channels

Sensitivity:

0.06 ppm at	900 Hz
0.10 ppm at	5,500 Hz
0.10 ppm at	7,200 Hz
0.30 ppm at	56,000 Hz

Sample rate: 10 per second, equivalent to 1 sample every 3 m, at a survey speed of 110 km/h.

The electromagnetic system utilizes a multi-coil coaxial/coplanar technique to energize conductors in different directions. The coaxial coils are vertical with their axes in the flight direction. The coplanar coils are horizontal. The secondary fields are sensed simultaneously by means of receiver coils which are maximum coupled to their respective transmitter coils. The system yields an inphase and a quadrature channel from each transmitter-receiver coil-pair.

The Dighem calibration procedure involves four stages; primary field bucking, phase calibration, gain calibration, and zero adjust. At the beginning of the survey, the primary field at each receiver coil is cancelled, or "bucked out", by precise positioning of five bucking coils.

The phase calibration adjusts the phase angle of the receiver to match that of the transmitter. A ferrite bar, which produces a purely in-phase anomaly, is positioned near each receiver coil. The bar is rotated from minimum to maximum field coupling and the responses for the in-phase and quadrature components for each coil pair/frequency are measured. The phase of the response is adjusted at the console to return an in-phase only response for each coil-pair. Phase checks are performed daily.

Magnetometer

Model:	MEP-710 processor with Geometrics G822 or G823 or Scintrex CS2 sensor
Type:	Optically pumped cesium vapour
Sensitivity:	0.01 nT
Sample rate:	10 per second

The magnetometer sensor is housed in the EM bird, 30 m below the helicopter.

Magnetic Base Station

Model:	GEM Systems GSM-19T
Type:	Digital recording proton precession
Sensitivity:	0.10 nT
Sample rate:	0.2 per second

Model:	Picodas MEP-710 processor with Geometrics G822 or G823 or Scintrex CS2 sensor
Type:	Digital recording cesium vapour

Sensitivity: 0.01 nT

Sample rate: 1 per second

A digital recorder is operated in conjunction with the base station magnetometer to record the diurnal variations of the earth's magnetic field. The clock of the base station is synchronized with that of the airborne system to permit subsequent removal of diurnal drift.

Radar Altimeter

Manufacturer: Honeywell/Sperry

Model: AA 330

Type: Short pulse modulation, 4.3 GHz

Sensitivity: 0.3 m

The radar altimeter measures the vertical distance between the helicopter and the ground. This information is used in the processing algorithm which determines conductor depth.

Barometric Altimeter

Manufacturer:	Atmospheric Instrumentation Research, Inc.
Model:	AIR-DB-2B
Type:	Microprocessor controlled digital pressure transducer
Altitude sensitivity:	0.1 m
Pressure sensitivity:	.01 mb

The digital outputs consist of barometric pressure in millibars and altitude in metres above mean sea level. The barometric altimeter is calibrated by recording the measured altitude and pressure at a known elevation before and after each flight.

Barometric Pressure and Temperature Sensors

Model:	DIGHEM D 1300	
Type:	Motorola MPX4115AP analog pressure sensor AD592AN high-impedance remote temperature sensors	
Sensitivity:	Pressure: Temperature:	150 mV/kPa 100 mV/°C or 10 mV/°C (selectable)
Sample rate:	10 per second	

The D1300 circuit is used in conjunction with one barometric sensor and up to three temperature sensors. Two sensors (baro and temp) are installed in the EM console in the aircraft, to monitor internal operating temperatures. At least one other temperature sensor is located in the EM bird to record temperature variations at the receiver coils.

The information is recorded by the digital acquisition system, but is not displayed on the analog chart records.

Analog Recorder

Manufacturer:	RMS Instruments
Type:	DGR33 dot-matrix graphics recorder
Resolution:	4x4 dots/mm
Speed:	1.5 mm/sec

The analog profiles are recorded on chart paper in the aircraft during the survey. Table 2-1 lists the geophysical data channels and the vertical scale of each profile.

Table 2-1. The Analog Profiles

Channel Name	Parameter	Scale units/mm	Designation on Digital Profile
1X9I	coaxial inphase (900 Hz)	2.5 ppm	CXI (900 Hz)
1X9Q	coaxial quad (900 Hz)	2.5 ppm	CXQ (900 Hz)
3P9I	coplanar inphase (900 Hz)	2.5 ppm	CPI (900 Hz)
3P9Q	coplanar quad (900 Hz)	2.5 ppm	CPQ (900 Hz)
2P7I	coplanar inphase (7200 Hz)	5 ppm	CPI (7200 Hz)
2P7Q	coplanar quad (7200 Hz)	5 ppm	CPQ (7200 Hz)
4X7I	coaxial inphase (5500 Hz)	5 ppm	CXI (5500 Hz)
4X7Q	coaxial quad (5500 Hz)	5 ppm	CXQ (5500 Hz)
5P5I	coplanar inphase (56000 Hz)	10 ppm	CPI (56 kHz)
5P5Q	coplanar quad (56000 Hz)	10 ppm	CPQ (56 kHz)
ALTR	altimeter (radar)	3 m	ALT
MAGC	magnetics, coarse	20 nT	MAG 50
MAGF	magnetics, fine	2.0 nT	MAG 10
CXSP	coaxial sferics monitor		
4XSP	coaxial sferics monitor		4XS
CPSP	coplanar sferics monitor		CPS
4PSP	coplanar sferics monitor		4PS
CXPL	coaxial powerline monitor		
CPPL	coplanar powerline monitor		

Digital Data Acquisition System

Manufacturer: RMS Instruments

Model: DGR 33

Recorder: Conner 80 Mb removable hard drive

The data are stored on a removable hard drive and are downloaded to the field workstation PC at the survey base for verification, backup and preparation of in-field products.

Video Flight Path Recording System

Type: Panasonic VHS Colour Video Camera (NTSC)

Model: AG 2400/WVCD132

Fiducial numbers are recorded continuously and are displayed on the margin of each image. This procedure ensures accurate correlation of analog and digital data with respect to visible features on the ground.

Navigation (Global Positioning System)

Model:	Ashtech Glonass GG24
Type:	SPS (L1 band), 24-channel, C/A code at 1575.42 MHz, S code at 0.5625 MHz, Real-time differential.
Sensitivity:	-132 dBm, 0.5 second update
Accuracy:	Better than 10 metres real-time

Model:	Sercel NR106
Type:	SPS (L1 band), 12-channel, C/A code, 1575.42 MHz. Real-time or post-survey differential positioning
Sensitivity:	-132 dBm, 0.5 second update
Accuracy:	Better than 5 metres in differential mode, ± 50 metres in S/A (non differential) mode

The Ashtech GG24 is a line of sight, satellite navigation system which utilizes time-coded signals from at least four of forty-eight available satellites. Both Russian GLONASS and American NAVSTAR satellite constellations are used to calculate the position and to provide real time guidance to the helicopter. The Ashtech system can be combined with a RACAL or similar GPS receiver which further improves the accuracy of the flying and subsequent flight path recovery to better than 5 metres. The differential

corrections, which are obtained from a network of virtual reference stations, are transmitted to the helicopter via a spot-beam satellite. This eliminates the need for a local GPS base station.

The Sercel NR106 utilizes time-coded signals from at least four of the twenty-four NAVSTAR satellites. In the differential mode, two GPS receivers are used. The base station unit is used as a reference which transmits real-time corrections to the mobile unit in the aircraft, via a UHF radio datalink. The on-board system calculates the flight path of the helicopter while providing real-time guidance. The raw XYZ data are recorded for both receivers, thereby permitting post-survey processing for accuracies of approximately 5 metres.

The Ashtech and/or Sercel receivers are coupled with a PNAV navigation system for real-time guidance.

Although the base station receiver is able to calculate its own latitude and longitude, a higher degree of accuracy can be obtained if the reference unit is established on a known benchmark or triangulation point. For this survey, the GPS station was located at latitude 64°03.6428'N, longitude 139°26.0011'W at an elevation of 326.412 a.m.s.l. The GPS records data relative to the WGS84 ellipsoid, which is the basis of the

revised North American Datum (NAD83). Conversion software is used to transform the WGS84 coordinates to the NAD27 system displayed on the base maps.

Field Workstation

Manufacturer:	Dighem
Model:	FWS: V2.80
Type:	Pentium PC

A portable PC-based field workstation is used at the survey base to verify data quality and completeness. Flight data are transferred to the PC hard drive to permit the creation of a database. This process allows the field operators to display both the positional (flight path) and geophysical data on a screen or printer.

SURVEY RESULTS

GENERAL DISCUSSION

The survey results are presented on separate map sheets for each parameter at a scale of 1:25,000. Table 4-1 summarizes the EM responses in the survey area, with respect to conductance grade and interpretation.

The anomalies shown on the electromagnetic anomaly maps are based on a near-vertical, half plane model. This model best reflects "discrete" bedrock conductors. Wide bedrock conductors or flat-lying conductive units, whether from surficial or bedrock sources, may give rise to broad anomalous responses on the EM profiles. These may not appear on the electromagnetic anomaly map if they have a regional character rather than a locally anomalous character. These broad conductors, which more closely approximate a half space model, will be maximum coupled to the horizontal (coplanar) coil-pair and should be more evident on the resistivity parameter. Resistivity maps, therefore, may be more valuable than the electromagnetic anomaly maps, in areas where broad or flat-lying conductors are considered to be of importance. Contoured resistivity maps, based on the 900 and 7200 Hz coplanar data are included with this report.

TABLE 4-1

EM ANOMALY STATISTICS

MIKE LAKE/JAVA PROJECT

CONDUCTOR GRADE	CONDUCTANCE RANGE SIEMENS (MHOS)	NUMBER OF RESPONSES
7	>100	9
6	50 - 100	31
5	20 - 50	90
4	10 - 20	89
3	5 - 10	82
2	1 - 5	108
1	<1	19
*	INDETERMINATE	487
TOTAL		915

CONDUCTOR MODEL	MOST LIKELY SOURCE	NUMBER OF RESPONSES
D	DISCRETE BEDROCK CONDUCTOR	244
B	DISCRETE BEDROCK CONDUCTOR	389
S	CONDUCTIVE COVER	282
TOTAL		915

(SEE EM MAP LEGEND FOR EXPLANATIONS)

Excellent resolution and discrimination of conductors was accomplished by using a fast sampling rate of 0.1 sec and by employing a common frequency (900 Hz) on two orthogonal coil-pairs (coaxial and coplanar). The resulting "difference channel" parameters often permit differentiation of bedrock and surficial conductors, even though they may exhibit similar conductance values.

Anomalies which occur near the ends of the survey lines (i.e., outside the survey area), should be viewed with caution. Some of the weaker anomalies could be due to aerodynamic noise, i.e., bird bending, which is created by abnormal stresses to which the bird is subjected during the climb and turn of the aircraft between lines. Such aerodynamic noise is usually manifested by an anomaly on the coaxial inphase channel only, although severe stresses can affect the coplanar inphase channels as well.

Magnetics

A Scintrex MEP-710 cesium vapour magnetometer was operated at the survey base to record diurnal variations of the earth's magnetic field. The clock of the base station was synchronized with that of the airborne system to permit subsequent removal of diurnal drift. A GEM Systems GSM-19T proton precession magnetometer was also operated as a backup unit.

The total magnetic field data have been presented as contours on the base map using a contour interval of 5 nT where gradients permit. The map shows the magnetic properties of the rock units underlying the survey area.

The total magnetic field data have been subjected to a processing algorithm to produce maps of the calculated vertical gradient. This procedure enhances near-surface magnetic units and suppresses regional gradients. It also provides better definition and resolution of magnetic units and displays weak magnetic features which may not be clearly evident on the total field maps.

There is some evidence on the magnetic maps which suggest that the survey area has been subjected to deformation and/or alteration. These structural complexities are evident on the contour maps as variations in magnetic intensity, irregular patterns, and as offsets or changes in strike direction. Some of the more prominent linear features are also evident on the topographic base map.

If a specific magnetic intensity can be assigned to the rock type which is believed to host the target mineralization, it may be possible to select areas of higher priority on the basis of the total field magnetic data. This is based on the assumption that the magnetite content of the host rocks will give rise to a limited range of contour values which will permit differentiation of various lithological units.

The magnetic results, in conjunction with the other geophysical parameters, have provided valuable information which can be used to effectively map the geology and structure in the survey area.

Apparent Resistivity

Apparent resistivity maps, which display the conductive properties of the survey area, were produced from the 900 Hz and 7200 Hz coplanar data. The maximum resistivity values, which are calculated for each frequency, are 1,000 and 8,000 ohm-m respectively. These cutoffs eliminate the erratic higher resistivities which would result from unstable ratios of very small EM amplitudes.

In general, the resistivity patterns show good agreement with the magnetic trends. This suggests that many of the resistivity lows are probably related to bedrock features, rather than conductive overburden. There are some areas, however, where contour patterns appear to be influenced by conductive surficial material.

There are other resistivity lows in the area. Some of these are quite extensive and often reflect "formational" conductors which may be of minor interest as direct exploration targets. However, attention may be focused on areas where these zones appear to be faulted or folded or where anomaly characteristics differ along strike.

Electromagnetic Anomalies

The EM anomalies resulting from this survey appear to fall within one of two general categories. The first type consists of discrete, well-defined anomalies which yield marked inflections on the difference channels. These anomalies are usually attributed to conductive sulphides or graphite and are generally given a "B", "T" or "D" interpretive symbol, denoting a bedrock source.

The second class of anomalies comprises moderately broad responses which exhibit the characteristics of a half space and do not yield well-defined inflections on the difference channels. Anomalies in this category are usually given an "S" or "H" interpretive symbol. The lack of a difference channel response usually implies a broad or flat-lying conductive source such as overburden. Some of these anomalies may reflect conductive rock units, zones of deep weathering, or the weathered tops of kimberlite pipes which can often yield "non-discrete" signatures.

The effects of conductive overburden are evident over portions of the survey area. Although the difference channels (DFI and DFQ) are extremely valuable in detecting bedrock conductors which are partially masked by conductive overburden, sharp undulations in the bedrock/overburden interface can yield anomalies in the difference channels which may be interpreted as possible bedrock conductors. Such anomalies

usually fall into the "S?" or "B?" classification but may also be given an "E" interpretive symbol, denoting a resistivity contrast at the edge of a conductive unit.

The "?" symbol does not question the validity of an anomaly, but instead indicates some degree of uncertainty as to which is the most appropriate EM source model. This ambiguity results from the combination of effects from two or more conductive sources, such as overburden and bedrock, gradational changes, or moderately shallow dips. The presence of a conductive upper layer has a tendency to mask or alter the characteristics of bedrock conductors, making interpretation difficult. This problem is further exacerbated in the presence of magnetite.

As economic mineralization within the area may be associated with massive to weakly disseminated sulphides, which may or may not be hosted by magnetite-rich rocks, it is impractical to assess the relative merits of EM anomalies on the basis of conductance. It is recommended that an attempt be made to compile a suite of geophysical "signatures" over any known areas of interest. Anomaly characteristics are clearly defined on the computer-processed geophysical data profiles which are supplied as one of the survey products.

A complete assessment and evaluation of the survey data should be carried out by one or more qualified professionals who have access to, and can provide a meaningful compilation of, all available geophysical, geological and geochemical data.

CONDUCTORS IN THE SURVEY AREA

The electromagnetic anomaly map shows the anomaly locations with the interpreted conductor type, dip, conductance and depth being indicated by symbols. Direct magnetic correlation is also shown if it exists. The strike direction and length of the conductors are indicated where anomalies can be correlated from line to line with a reasonable degree of confidence.

In areas where several conductors or conductive trends appear to be related to a common geological unit, these have been outlined as "zones" on the EM anomaly maps. The zone outlines usually approximate the limits of conductive units defined by the resistivity contours, but may also be related to distinct rock units which can be inferred from the magnetic data.

The magnetic data display a dynamic range of approximately 1700 nT. The magnetic contour patterns are generally quite complex and display many offsets and changes in strike direction. This suggests that the area is structurally and/or

lithologically complex. Some of the magnetic contour patterns are similar to the topographic patterns suggesting that some of the creeks, rivers and lakes may be structurally controlled.

There is a generally non-magnetic and resistive response in the central part of the survey area which is surrounded by highly conductive units and strong magnetic features. The conductive units have been grouped into zones on the EM anomaly map and mainly yield resistivities of less than 60 ohm-m. The zones consist mainly of bedrock conductors with varying direct magnetic correlation. Many of the EM anomalies are suggestive of a broad conductive source, e.g. 10321I, although there are also some which appear to have a thin dyke-like source, e.g. 10260L. Zones A, D, F and G appear to be associated with magnetic high units and zones B, C and E are mainly situated within magnetic lows.

Zone A

EM anomalies which may be of interest are those that appear to be contact-related. They may be situated near breaks, offsets or changes in the magnetic features. These areas may have undergone structural deformation which may have influenced mineralization. EM anomalies such as 10590B, 10620A, B, 10670B, 10720C are located near the edges of magnetic highs and

may be contact-related. EM anomalies such as 10690A and 10760B appear to be situated along breaks in the magnetic features which may make them of interest.

Zone B

Most of the bedrock anomalies within this zone yield moderate to strong EM responses. They are generally situated within magnetic lows. EM anomalies which yield direct magnetic correlation may be of interest. Some examples include EM anomalies 10590D, 10630B and 10640B which yield direct magnetic correlations of 377, 361 and 347 nT respectively. The latter two anomalies are associated with a small magnetic high. EM anomalies 10570E and 10580D may require further investigation since they appear to be situated on a northwest-southeast break in the magnetic features. Dips appear to be to the east-southeast where indicated.

Zone C

This zone generally consists of EM bedrock anomalies situated mainly in a

magnetic low. There are weaker magnetic features which are better seen on the calculated vertical gradient map. EM anomalies which may be of interest include EM anomalies 10500A, B, 10510B, C and 10520A which are situated in an apparent break in the magnetic features. EM anomalies that appear to be contact-related include 10500G, 10510F, 10531B and C which are situated on the edges of magnetic highs.

Zone D

EM anomalies which may be of interest are those that appear to be contact-related, such as 10379C, 10380B, D, 10390B and D which are near a small magnetic low. Some other examples include EM anomalies 10331D, 10342G, 10351E, F and 10390L which have thin bedrock sources. Anomalies which display large direct magnetic correlation may also be of significance. EM anomalies 10379E, 10400A and 10410C exhibit direct magnetic correlations of 249, 320 and 190 nT respectively.

There are some weak bedrock anomalies south of zone D which may also require further investigation. EM anomalies 10241C, 10260C and 19010F appear to be contact-related as they are situated on the edge of a magnetic high.

Zone E

The EM anomalies within this zone consist mainly of moderate to weak responses generally within a magnetic low. Some anomalies which may be of interest include 10280B and 10291C which appear contact-related and 10280D which appears to be situated along a break seen in the magnetic contours. EM anomalies 10301F, 10310G and H appear to be associated with a small relative magnetic high.

Zone F

This zone consists of many bedrock EM anomalies which exhibit moderate to strong EM responses. The many offsets, breaks and changes in direction of the magnetic features suggests that this area has undergone much structural deformation. Some EM anomalies which may be of interest are those that appear to be contact-related, such as conductors 10280I-10310J, 10352F-10375H and 10381B-10390N which are near strong magnetic highs and EM anomalies 10250F, 10259A, 10260H, M, 10272G, 10280N, 10375D and 10400K.

Zone G

There are many closely spaced bedrock anomalies in this zone. They are situated on strong magnetic highs which appear to have many breaks, folds and offsets. EM anomalies situated along these breaks such as 10460G, 10610B and 10620O may be of significance. Some conductors which may also be of interest are those that appear contact-related. Examples include conductors 10410N-10432F, 10470M-10500N, 10480H-10510L and 10490J-10520H as well as EM anomalies such as 10510I, 10610C, 10611F and 10620H.

There are other conductors in this survey area which may be of interest. Some examples include conductors 10100B-10130C, 10120D-10130E, 10780E-10790E and 10790D-10811A which appear to be have weak possible bedrock sources and are situated on the edges of magnetic features.

CONCLUSIONS AND RECOMMENDATIONS

This report provides a very brief description of the survey results and describes the equipment, procedures and logistics of the survey.

The survey was successful in locating many moderate to strong bedrock conductors which may warrant additional work. The various maps included with this report display the magnetic and conductive properties of the survey area. It is recommended that the survey results be reviewed in detail, in conjunction with all available geophysical, geological and geochemical information. Particular reference should be made to the computer generated data profiles which clearly define the characteristics of the individual anomalies.

Most anomalies in the area are moderately strong and well-defined. Many have been attributed to bedrock sources, although some appear to be associated with conductive overburden or deep weathering. There are anomalies which coincide with magnetic gradients which may reflect contacts, faults or shears. Such structural breaks are considered to be of particular interest as they may have influenced mineral deposition within the survey area.

The interpreted bedrock conductors defined by the survey should be subjected to further investigation, using appropriate surface exploration techniques. Anomalies which are currently considered to be of moderately low priority may require upgrading if follow-up results are favourable.

It is also recommended that image processing of existing geophysical data be considered, in order to extract the maximum amount of information from the survey results. Current software and imaging techniques often provide valuable information on structure and lithology, which may not be clearly evident on the contour and colour maps. These techniques can yield images which define subtle, but significant, structural details.

Respectfully submitted,

GEOTERREX-DIGHEM

Linda E. Chung
Geophysicist

LEC/sdp R1316OCT.98

APPENDIX A

LIST OF PERSONNEL

The following personnel were involved in the acquisition, processing, interpretation and presentation of data, relating to a DIGHEM^{V} airborne geophysical survey carried out for Homestake Canada Inc., 90 km east of Dawson City in the Dawson District, Yukon Territory.

Greg Paleolog	Manager, Helicopter Operations
Doug McConnell	Manager, Data Processing and Interpretation
Darcy Blouin	Senior Geophysical Operator
Patricio Henriquez	Field Geophysicist
Terry Thompson	Pilot (Questral Helicopters Ltd.)
Gordon Smith	Data Processing Supervisor
Fadi Alfar	Computer Processor
Linda Chung	Interpretation Geophysicist
Lyn Vanderstarren	Drafting Supervisor
Mike Armstrong	Draftsperson (CAD)
Susan Pothiah	Word Processing Operator
Albina Tonello	Secretary/Expeditor

The survey consisted of 538 km of coverage, flown from August 30 to September 2, 1998.

All personnel are employees of Geoterrex-Dighem, except for the pilot who is an employee of Questral Helicopters Ltd.

APPENDIX B

STATEMENT OF COST

Date: October 16, 1998

IN ACCOUNT WITH GEOTERREX-DIGHEM

To: Dighem flying of Agreement dated August 18, 1998, pertaining to an Airborne Geophysical Survey in the Mike Lake area, Dawson District, Yukon Territory.

Survey Charges

495 km of flying @ $90.00/km plus mobilization costs of $10,000.00	$54,550.00

Allocation of Costs

- Data Acquisition	(80%)
- Data Processing	(10%)
- Interpretation, Report and Maps	(10%)

APPENDIX D

EM ANOMALY LIST

Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10010															
A	214.0	S	354709	7123556	0.2	5.9	0.0	6.5	3.0	27.2	6.3	56.0	0.0	0.0	17
B	258.0	B?	355455	7123286	2.1	1.5	2.3	0.2	2.8	6.3	2.3	1.9	0.0	0.0	17
C	273.0	S	355616	7123240	1.2	2.9	1.6	2.6	5.4	10.8	6.9	21.7	0.0	0.0	17
D	314.0	S	356133	7123016	0.4	1.7	2.3	3.3	1.8	9.5	4.0	25.3	0.0	0.0	85
E	368.0	S	357263	7122610	0.8	2.3	1.8	3.8	1.5	12.2	5.4	31.3	0.0	0.0	0
F	398.0	B?	357735	7122401	0.6	4.3	0.1	4.3	6.3	17.8	8.8	31.9	0.0	0.0	0
G	418.0	S	358171	7122256	3.6	4.4	0.0	5.8	2.2	22.5	6.7	48.6	0.0	0.0	0
H	452.0	S	358607	7122062	1.6	4.9	1.0	5.1	3.0	23.9	12.6	36.6	0.0	0.0	0
LINE 10020															
A	692.0	S	356225	7123149	0.5	0.5	2.0	2.1	0.9	2.3	1.8	14.5	0.0	0.0	8
B	682.0	S	356317	7123114	0.9	1.0	0.2	2.5	2.1	7.7	3.7	20.2	0.0	0.0	0
C	665.0	S	356549	7123028	0.1	1.5	0.2	1.5	0.2	6.5	1.6	11.8	0.0	0.0	0
D	637.0	S	356938	7122885	0.1	2.2	0.6	2.2	1.3	12.4	1.4	18.3	0.0	0.0	0
E	610.0	S	357382	7122705	1.4	5.9	0.6	6.5	0.4	30.2	4.5	58.0	0.0	0.0	8
F	593.0	S	357744	7122546	1.3	3.3	1.5	1.4	2.7	14.9	4.5	16.7	0.0	0.0	4
G	581.2	B?	358045	7122433	2.2	1.5	1.2	1.1	1.6	6.1	0.3	7.8	0.0	0.0	1
H	566.0	S	358378	7122326	1.3	2.5	0.4	2.9	0.5	11.7	4.3	25.6	0.0	0.0	0
I	556.0	S	358544	7122273	0.2	1.3	0.2	1.7	0.7	6.5	1.7	15.4	0.0	0.0	0
J	542.0	S?	358777	7122195	2.5	4.1	1.1	5.7	4.0	20.4	8.9	46.1	0.0	0.0	0
LINE 10021															
A	874.0	S	354453	7123819	1.0	4.3	0.7	4.2	2.1	23.4	8.2	40.1	0.0	0.0	0
B	840.0	S	354778	7123665	1.1	2.3	0.8	2.6	2.1	11.0	5.0	25.6	0.0	0.0	0
C	796.0	B?	355617	7123383	0.4	0.8	1.0	0.8	1.8	4.2	1.9	6.4	0.0	0.0	25
D	790.0	B?	355704	7123344	0.5	2.7	0.5	1.3	3.6	11.3	1.1	10.0	0.0	0.0	0
E	770.0	S	356005	7123189	1.0	2.2	0.1	2.9	2.3	11.3	3.9	21.2	0.0	0.0	0
LINE 10030															
A	933.3	S?	354633	7123885	0.2	2.4	0.2	3.9	2.8	13.5	7.1	34.2	0.0	0.0	21
B	1006.0	B?	355842	7123463	0.1	6.9	0.3	6.7	2.1	31.1	5.7	60.2	0.0	0.0	7
C	1032.0	S	356249	7123291	0.0	1.8	0.2	2.5	2.0	10.7	3.4	19.8	0.0	0.0	0
D	1045.0	S	356492	7123201	0.5	1.5	0.4	1.8	2.4	5.5	5.7	14.1	0.0	0.0	0
E	1076.0	S	357195	7122954	2.9	4.8	1.3	7.3	2.3	29.5	1.7	69.2	0.0	0.0	40
F	1102.0	S	357860	7122720	1.7	3.9	0.8	4.0	3.7	17.3	4.9	31.9	0.0	0.0	0
G	1130.0	S?	358380	7122510	0.3	1.7	0.4	2.5	0.7	7.7	5.7	17.1	0.0	0.0	0

EM Anomaly List
Job 1316

Note: EM values are in local amplitudes

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10040															
A	1466.0	S	354473	7124128	1.4	1.2	0.7	1.6	2.4	5.6	2.7	9.8	0.0	0.0	0
B	1383.0	B?	355957	7123546	4.6	2.5	6.0	1.2	3.8	12.8	8.4	8.8	0.0	34.0	2 0
C	1353.0	S	356517	7123361	0.1	1.7	0.8	2.8	2.0	7.3	4.2	21.6	0.0	0.0	0
D	1339.0	S	356800	7123232	0.5	0.4	0.0	2.0	0.4	3.2	4.0	15.5	0.0	0.0	20
E	1323.0	S	357108	7123092	1.7	3.3	0.6	3.1	2.4	16.7	3.0	28.4	0.0	0.0	0
F	1300.0	S?	357654	7122899	6.6	0.3	2.4	0.9	3.0	3.7	0.4	1.1	0.0	52.0	6 1
G	1283.0	S	358099	7122757	0.1	2.5	0.1	5.1	1.8	11.8	8.1	40.3	0.0	0.0	0
H	1264.0	S	358432	7122628	0.4	2.8	0.3	3.2	1.0	12.6	3.8	27.8	0.0	0.0	0
I	1239.0	S	358707	7122545	0.2	2.1	0.2	3.1	2.3	10.6	3.7	27.3	0.0	0.0	20
J	1220.0	S	359063	7122409	2.5	2.1	0.4	3.0	1.1	10.6	2.3	23.4	0.0	0.0	17
LINE 10051															
A	5340.0	S	355360	7123924	0.0	0.9	1.3	0.9	0.5	2.8	2.8	6.7	0.0	0.0	16
B	5286.0	S?	356027	7123685	1.8	3.0	0.1	2.6	4.3	13.4	6.3	19.1	0.0	0.0	0
C	5244.0	S	356811	7123403	0.0	0.7	0.5	0.9	0.0	2.8	2.6	8.6	0.0	0.0	16
D	5224.0	S	357052	7123322	0.4	0.7	0.2	0.9	1.0	2.4	0.5	7.3	0.0	0.0	16
E	5164.0	S	357770	7123035	0.6	1.2	0.6	0.9	0.7	7.4	2.8	8.1	0.0	0.0	3
F	5142.0	S	358314	7122863	1.5	2.8	0.8	3.6	1.5	14.7	5.7	31.5	0.0	0.0	0
G	5130.0	S	358578	7122739	0.6	0.9	0.2	1.3	0.3	3.8	0.5	14.9	0.0	0.0	0
H	5103.0	S	358907	7122608	1.3	2.9	0.3	2.6	3.2	13.5	5.4	22.2	0.0	0.0	0
LINE 10060															
A	2220.0	S	355009	7124256	0.3	2.0	0.4	2.0	2.5	7.4	2.4	12.4	0.0	0.0	272
B	2198.0	S	355421	7124085	0.9	1.2	1.9	1.3	1.4	6.7	1.6	13.2	0.0	0.0	0
C	2188.0	B?	355556	7124032	1.3	1.6	2.5	0.8	0.7	9.1	0.9	5.0	0.0	0.0	0
D	2127.0	S	356193	7123803	0.7	2.6	0.0	3.3	3.4	10.4	5.5	24.3	0.0	0.0	0
E	1980.0	S	357729	7123221	0.9	1.7	1.6	1.1	3.7	6.7	2.3	8.5	0.0	0.0	24
F	1962.0	B?	358020	7123113	4.1	1.8	2.0	0.8	3.3	8.1	3.0	6.3	0.0	38.0	9 12
G	1955.0	S	358216	7123060	0.4	1.2	0.5	1.5	0.3	5.7	2.5	11.2	0.0	0.0	0
H	1941.0	S?	358526	7122942	2.0	1.9	0.4	2.4	0.6	9.0	3.8	22.0	0.0	0.0	0
I	1934.0	S	358674	7122879	1.1	3.3	0.8	3.6	1.3	16.4	5.1	33.1	0.0	0.0	20
J	1902.0	S	359288	7122629	4.7	1.0	1.7	1.3	2.7	4.9	0.0	12.5	0.0	40.0	4 0
LINE 10071															
A	4414.0	S	354874	7124399	4.2	1.5	2.5	1.9	4.2	4.5	5.1	15.1	0.0	0.0	0
B	4430.0	S	355459	7124283	0.0	1.1	2.4	1.5	2.1	4.6	2.0	8.0	0.0	0.0	18

Note: EM values are in local amplitudes

EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
C	4565.0	S	357136	7123542	0.8	1.2	0.4	0.6	1.9	5.2	1.2	5.4	0.0	0.0	0
D	4581.0	S	357420	7123418	0.1	1.2	0.2	1.5	0.7	6.1	0.7	12.4	0.0	0.0	1
E	4601.0	S	357875	7123337	0.7	1.6	0.8	1.5	2.0	6.0	3.4	10.6	0.0	0.0	0
F	4648.0	S?	358659	7123065	1.7	2.9	1.5	3.7	2.4	11.0	3.1	33.6	0.0	0.0	0
G	4656.0	S	358876	7122978	2.4	2.3	1.5	2.2	3.6	10.5	5.1	17.7	0.0	0.0	0
LINE 10080															
A	2944.0	B?	354996	7124558	4.8	2.6	2.1	5.3	5.0	10.8	24.0	34.0	8.4	25.0	2 106
B	2930.0	S	355427	7124370	2.4	1.1	1.4	0.5	0.4	5.1	0.2	5.3	0.0	0.0	64
C	2866.0	S	356577	7123920	2.1	1.1	0.8	1.2	2.1	4.1	0.8	9.2	0.0	0.0	0
D	2820.0	S	357208	7123730	0.6	2.9	0.6	1.9	2.4	14.8	1.9	17.3	0.0	0.0	0
E	2756.0	S	357825	7123518	5.6	1.5	1.3	1.7	4.9	6.7	0.8	10.3	0.0	41.0	5 168
F	2735.0	S?	358164	7123382	2.0	2.4	0.9	0.4	0.6	9.5	0.9	14.2	0.0	0.0	0
G	2669.0	S	358881	7123110	0.0	1.1	1.3	1.5	3.2	3.4	3.0	13.0	0.0	0.0	17
H	2654.0	B?	359061	7123028	3.3	1.1	1.3	1.4	1.8	8.9	2.5	12.8	0.0	0.0	0
LINE 10090															
A	3065.0	B?	355016	7124717	2.4	0.4	2.7	1.4	3.0	4.2	12.0	8.6	0.0	0.0	19
B	3070.0	S	355175	7124655	0.0	1.5	0.6	1.8	4.0	7.4	13.6	13.3	0.0	0.0	124
C	3082.0	S	355593	7124496	0.2	1.1	0.4	1.9	0.2	4.9	0.8	15.2	0.0	0.0	267
D	3111.0	S	356258	7124248	0.9	6.5	0.4	7.7	3.0	33.2	4.5	71.3	0.0	0.0	0
E	3136.0	S	356847	7124057	0.9	1.0	0.4	2.0	0.7	4.6	1.4	19.3	0.0	0.0	0
F	3228.0	S?	357799	7123662	0.9	1.4	0.3	2.2	4.3	5.2	2.2	12.5	0.0	0.0	0
G	3244.0	B?	358111	7123583	6.0	5.2	1.5	5.6	6.2	28.8	6.8	49.7	0.0	37.0	2 0
H	3285.0	S	358443	7123419	1.8	1.7	0.5	1.6	2.3	6.9	1.1	13.5	0.0	0.0	0
I	3333.0	S	359479	7123035	0.7	1.3	1.5	1.0	1.2	5.5	2.3	10.4	0.0	0.0	0
LINE 10100															
A	3625.0	B?	355037	7124820	0.9	2.4	2.2	5.2	4.1	6.8	19.2	20.7	0.0	0.0	89
B	3586.0	B?	356634	7124235	2.5	0.9	3.6	0.2	2.7	5.9	4.9	1.4	0.0	0.0	0
C	3578.0	S	356838	7124173	0.2	2.2	0.7	0.7	1.4	11.2	2.1	8.5	0.0	0.0	0
D	3465.0	S	358195	7123690	2.4	1.6	1.6	1.4	2.0	9.3	2.0	15.8	0.0	57.0	5 0
E	3417.0	S	358671	7123522	2.0	0.7	0.6	0.8	1.7	4.2	0.3	7.7	0.0	0.0	29
F	3382.0	S	359505	7123146	0.3	1.5	1.0	1.8	0.6	5.2	1.2	16.1	0.0	0.0	0
LINE 10110															
A	3682.0	S	355016	7124998	3.4	0.8	0.8	0.7	1.3	2.6	2.0	5.5	0.0	0.0	0
B	3702.0	S	355766	7124691	0.3	0.5	0.7	0.5	0.7	3.2	2.5	4.9	0.0	0.0	44

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EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
C	3710.0	S	356096	7124556	0.6	1.1	0.9	0.7	0.3	5.7	1.9	8.0	0.0	0.0	26
D	3721.0	S	356515	7124405	0.6	2.2	1.7	1.4	1.4	9.0	3.6	13.2	0.0	0.0	0
E	3727.0	B?	356658	7124358	1.6	1.7	0.1	0.9	1.2	7.5	0.1	8.0	0.0	0.0	0
F	3758.0	S	357091	7124229	2.5	0.6	0.8	1.0	0.4	3.4	0.7	9.0	0.0	0.0	0
G	3778.0	S	357335	7124149	2.1	1.5	0.7	1.0	3.3	5.4	1.5	10.1	0.0	0.0	26
H	3801.0	S	357828	7123956	2.2	0.6	0.8	0.6	0.5	2.8	0.8	9.2	0.0	0.0	183
I	3817.0	S	358206	7123825	5.0	1.4	1.4	0.9	3.5	6.2	4.3	6.0	0.0	0.0	0
J	3836.0	B?	358461	7123747	0.5	1.7	0.2	0.7	0.1	7.5	1.7	6.5	0.0	0.0	0
K	3856.0	S	358952	7123590	0.5	1.4	0.7	1.6	2.9	6.9	2.5	13.6	0.0	0.0	0
L	3872.0	S	359369	7123431	0.5	1.8	0.7	1.9	0.5	7.3	0.5	18.1	0.0	0.0	26
LINE 10120															
A	4148.0	S	355883	7124850	0.0	1.6	1.3	1.7	1.3	7.0	2.2	13.7	0.0	0.0	255
B	4138.0	S	356287	7124688	1.6	1.9	1.6	1.5	4.9	5.0	2.8	9.6	0.0	0.0	26
C	4126.0	B?	356736	7124537	0.1	1.4	0.8	1.1	1.4	6.4	0.3	0.5	0.0	0.0	0
D	4058.0	B?	357487	7124240	3.0	6.3	1.8	9.4	13.4	24.3	35.9	51.7	2.2	16.0	3 0
E	4037.0	S	358083	7124044	0.6	1.3	0.1	1.8	1.2	4.1	4.7	9.6	0.0	0.0	126
F	3986.0	S	358775	7123821	0.1	2.4	0.3	3.4	1.9	10.4	7.2	24.2	0.0	0.0	0
G	3944.0	S	359464	7123540	0.4	1.4	0.2	1.5	2.2	5.7	1.8	11.6	0.0	0.0	0
LINE 10130															
A	4299.0	S	355292	7125251	2.4	1.4	0.7	1.1	1.2	6.0	1.2	9.6	0.0	0.0	9
B	4314.0	S	355855	7125052	0.5	1.9	0.8	1.9	1.2	8.4	4.1	14.3	0.0	0.0	15
C	4339.0	B?	356806	7124678	6.3	0.9	1.6	0.4	0.9	3.3	0.1	1.4	0.0	0.0	0
D	4361.0	S?	357147	7124571	2.3	1.3	0.6	1.3	4.1	7.3	2.8	11.2	0.0	0.0	0
E	4407.0	B?	357524	7124415	0.6	8.1	0.5	5.1	12.1	35.5	9.8	45.7	0.0	0.0	0
F	4432.0	S	357999	7124235	0.5	1.6	0.4	1.5	2.8	6.2	3.5	10.1	0.0	0.0	0
G	4460.0	S	358509	7124062	1.9	1.2	0.6	3.4	5.0	4.9	8.9	20.7	0.0	0.0	0
H	4475.0	S?	358885	7123892	2.2	1.8	0.5	1.8	2.9	8.1	7.3	11.9	0.0	0.0	0
I	4512.0	S	359486	7123701	4.7	1.3	1.3	1.5	3.1	5.3	3.4	9.6	0.0	0.0	0
LINE 10140															
A	4797.0	S	355600	7125305	0.6	1.8	0.7	1.7	0.5	6.7	3.4	13.1	0.0	0.0	0
B	4780.0	S	356284	7125027	1.4	0.5	0.5	0.7	1.0	2.3	2.7	4.3	0.0	0.0	14
C	4705.0	S	358015	7124386	0.2	1.7	0.4	1.5	0.0	8.7	2.2	13.1	0.0	0.0	0
D	4675.0	S	358498	7124225	1.2	1.1	0.4	2.9	0.5	7.0	5.4	25.7	0.0	0.0	0
E	4657.0	S	358890	7124073	1.3	0.7	0.9	2.7	0.6	4.1	2.3	24.4	0.0	0.0	0

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
F	4622.0	S	359386	7123867	4.1	1.5	1.3	1.1	2.7	5.0	3.1	6.9	0.0	0.0	0
LINE 10150															
A	4876.0	S	355685	7125424	1.4	0.8	0.5	0.8	0.5	3.5	0.4	7.7	0.0	0.0	105
B	4885.0	S	356037	7125294	0.1	0.8	2.2	1.2	3.2	1.6	1.9	6.8	0.0	0.0	51
C	4919.0	S?	357203	7124868	1.0	2.0	0.3	2.0	2.2	12.8	1.5	15.6	0.0	0.0	16
D	4938.0	S	357411	7124792	0.4	0.6	0.6	0.8	0.3	3.0	1.7	6.4	0.0	0.0	0
E	4998.0	S	358186	7124524	0.8	2.5	0.3	3.8	3.8	14.8	1.0	33.1	0.0	0.0	0
F	5037.0	S	358817	7124256	0.4	1.6	0.4	2.6	4.3	5.6	7.2	20.7	0.0	0.0	2
G	5056.0	S	359414	7124030	5.5	4.2	0.0	5.0	3.2	18.1	8.0	39.6	0.0	0.0	0
LINE 10160															
A	5357.0	S	355991	7125484	2.0	1.5	0.8	1.4	1.0	6.6	2.3	12.4	0.0	0.0	77
B	5320.0	S	357236	7125006	2.1	1.3	0.5	1.9	2.2	6.5	1.1	15.1	0.0	0.0	0
C	5216.0	S	358377	7124584	0.6	1.1	0.3	1.9	0.5	6.5	1.5	19.1	0.0	0.0	0
D	5194.0	S?	358695	7124470	0.6	1.9	0.3	0.6	1.0	7.7	0.6	6.4	0.0	0.0	0
E	5151.0	S	359495	7124145	0.2	1.8	0.7	1.3	1.0	5.1	3.4	9.5	0.0	0.0	0
LINE 10170															
A	5470.0	S	356217	7125574	3.9	1.7	1.4	0.9	1.9	5.9	1.6	7.3	0.0	0.0	0
B	5560.0	S	358281	7124739	1.4	0.7	0.5	1.7	2.2	3.2	0.3	14.3	0.0	0.0	0
C	5596.0	S	358799	7124538	1.9	2.2	0.1	2.3	1.8	11.8	0.4	21.6	0.0	0.0	0
D	5619.0	S	359524	7124313	0.4	2.3	0.2	2.2	1.2	11.6	3.4	19.5	0.0	0.0	8
E	5644.0	S	360001	7124139	3.6	2.7	2.2	2.9	1.5	14.0	2.8	28.3	0.0	0.0	0
LINE 10180															
A	5906.0	S	356373	7125669	5.4	1.6	1.5	1.5	2.9	6.0	5.0	12.5	1.0	0.0	11
B	5820.0	S	357784	7125150	0.6	1.0	0.0	1.0	1.4	4.3	0.4	9.2	0.0	0.0	11
C	5742.0	S	359053	7124637	0.6	0.7	0.0	0.6	1.6	3.7	0.9	5.9	0.0	0.0	2
D	5708.0	S	359848	7124357	1.4	1.4	0.8	2.9	1.5	7.2	1.1	27.2	0.0	0.0	0
LINE 10191															
A	4104.0	S	358128	7125111	1.3	1.5	0.1	0.9	0.8	6.5	1.2	8.5	0.0	0.0	45
B	4027.0	S	359608	7124588	0.7	1.7	0.1	1.2	1.4	7.2	1.8	11.8	0.0	0.0	0
LINE 10209															
A	938.0	S	358322	7125232	1.5	2.3	1.3	3.4	4.7	10.3	7.6	22.1	0.0	0.0	9
B	916.0	S	358925	7125031	0.5	1.6	0.2	1.6	1.8	7.0	1.1	12.3	0.0	0.0	0
C	893.0	S	359492	7124805	0.3	0.5	0.2	1.2	0.5	3.5	1.8	7.7	0.0	0.0	44
D	882.0	S	359780	7124687	3.1	2.1	2.0	1.9	1.0	10.5	2.9	14.6	0.0	0.0	14

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10210															
A	4672.0	S	355417	7126471	0.2	1.9	0.6	1.9	0.4	6.0	7.8	13.1	0.0	0.0	0
LINE 10211															
A	4380.0	S	358505	7125330	1.3	2.7	0.4	3.4	4.2	9.9	15.1	23.7	0.0	0.0	14
B	4369.0	S	358895	7125179	0.3	1.4	0.8	1.5	0.0	5.2	4.0	10.4	0.0	0.0	14
C	4331.0	S	359875	7124824	1.7	1.2	0.9	1.2	1.9	6.0	3.8	10.4	0.0	0.0	17
D	4322.0	S	360068	7124758	0.8	2.1	1.8	1.7	1.2	13.0	0.8	19.3	0.0	0.0	0
LINE 10220															
A	1848.0	S	358348	7125569	0.4	1.3	0.1	2.6	0.3	8.2	1.6	18.7	0.0	0.0	0
B	1833.0	S	358756	7125415	5.4	1.4	0.7	2.9	2.6	7.3	7.2	23.5	0.0	0.0	0
C	1799.0	S	359739	7125054	0.7	1.0	0.4	0.9	1.4	4.3	0.8	7.8	0.0	0.0	10
D	1782.0	S	359982	7124970	3.1	1.0	1.2	1.9	1.8	5.4	3.9	11.8	0.0	0.0	44
LINE 10221															
A	2123.0	S	355451	7126634	0.1	1.8	0.3	1.1	2.8	9.1	3.4	9.6	0.0	0.0	4
B	2057.0	B	356157	7126393	2.5	0.1	4.0	4.4	3.0	2.0	10.6	13.0	0.0	0.0	0
C	1965.0	S	357814	7125772	3.0	1.5	1.6	1.4	2.5	3.7	1.0	8.1	0.0	0.0	0
LINE 10230															
A	2245.0	S	355621	7126715	0.1	0.9	0.2	1.8	0.6	3.0	5.2	14.2	0.0	0.0	0
B	2306.0	S?	356549	7126369	0.4	0.6	0.6	1.7	3.3	2.3	5.7	9.5	0.0	0.0	3
C	2344.0	B	357546	7126063	8.6	7.3	8.3	10.5	20.8	14.6	31.4	29.1	9.1	5.6	3
LINE 10231															
A	2604.0	S	358930	7125488	0.7	2.9	0.1	2.9	1.6	7.9	6.9	19.3	0.0	0.0	0
B	2644.0	S	359938	7125115	0.6	0.7	1.9	1.4	0.3	5.4	1.8	16.5	0.0	0.0	0
LINE 10241															
A	3566.0	S	355980	7126746	1.5	1.3	0.5	1.3	2.0	4.3	3.0	9.0	0.0	0.0	109
B	3552.0	B	356229	7126662	0.0	0.2	4.2	1.0	0.6	1.2	5.0	5.5	0.0	0.0	0
C	3541.0	B	356384	7126601	3.6	0.5	5.7	3.4	3.3	2.3	12.3	8.7	0.0	0.0	0
D	3518.0	B	357163	7126312	1.9	2.6	6.1	5.5	5.1	6.3	16.1	12.1	6.1	43.0	2 0
E	3502.0	B?	357527	7126147	4.5	1.1	3.1	1.1	6.0	1.5	5.4	3.0	0.0	0.0	0
F	3438.0	S	358106	7125943	0.3	0.6	1.0	1.3	1.9	1.8	1.8	9.2	0.0	0.0	12
G	3426.0	S	358299	7125871	0.9	0.5	1.1	1.4	1.8	4.1	1.7	11.9	0.0	0.0	0
H	3394.0	S	359039	7125589	0.1	2.2	0.3	1.7	2.1	7.9	4.6	14.0	0.0	0.0	0
I	3319.0	S	360450	7125082	1.1	0.5	1.1	0.3	1.0	2.1	0.7	1.6	0.0	0.0	0

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EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10250															
A	3170.0	S	355790	7126983	1.5	1.0	1.4	1.9	1.1	3.8	2.3	12.2	0.0	0.0	0
B	3197.0	B	356284	7126786	5.8	5.9	7.7	6.3	12.2	20.6	20.9	29.8	8.9	17.0	6 0
C	3212.0	B	356473	7126708	3.5	1.6	1.5	0.8	1.5	5.0	3.9	2.2	0.0	0.0	0
D	3229.0	D	356906	7126615	4.9	3.6	3.4	3.8	8.8	8.7	10.8	12.0	9.4	23.0	2 6
E	3253.0	D	357313	7126482	3.0	4.3	0.5	1.2	9.2	14.2	4.1	3.5	0.0	0.0	0
F	3258.0	D	357435	7126430	1.9	2.6	0.5	3.6	4.6	8.9	11.8	20.5	0.0	0.0	0
G	3269.0	B	357652	7126324	3.9	9.2	4.5	9.7	22.6	26.5	29.0	33.6	3.2	12.0	3 10
LINE 10259															
A	3338.0	B	357765	7126259	4.3	2.0	5.2	6.7	7.6	7.7	20.4	15.5	10.0 5	24.	6 0
B	3352.0	B	357848	7126248	4.9	6.0	2.7	6.1	14.6	12.5	17.6	25.5	4.0	29.0	1 404
C	3450.0	S	359116	7125703	2.1	1.5	0.4	1.0	4.1	5.6	2.4	7.3	0.0	0.0	0
D	3513.0	S	360042	7125358	1.9	0.2	0.7	0.3	0.0	1.7	1.6	3.2	0.0	0.0	343
E	3530.0	S	360407	7125240	0.8	1.0	0.2	1.4	1.1	5.4	3.5	13.3	0.0	0.0	0
LINE 10260															
A	3953.0	S	355811	7127142	0.4	1.3	1.1	2.0	3.3	13.7	0.1	3.9	0.0	0.0	0
B	3928.0	B	356211	7127006	1.6	1.7	5.6	4.8	3.6	3.5	15.2	10.2	1.0	0.0	0
C	3909.0	D	356425	7126905	2.3	6.1	0.7	5.2	11.9	25.3	13.8	36.6	0.0	1.4	0
D	3901.0	B?	356640	7126846	0.8	3.9	2.3	4.5	3.2	19.2	6.3	38.3	0.0	0.0	0
E	3893.0	B?	356876	7126777	2.4	0.3	2.0	4.1	1.8	8.0	11.5	13.8	0.8	0.0	0
F	3883.0	D	357011	7126726	8.0	5.7	1.2	2.1	14.9	10.3	6.2	3.3	11.0 3	26.	7 0
G	3862.0	D	357345	7126584	0.3	3.8	0.1	3.8	4.6	16.5	9.0	23.9	0.0	0.0	16
H	3856.0	B	357496	7126523	7.8	3.8	3.5	0.5	9.2	4.3	4.7	7.4	28.0 3	11.	7 0
I	3846.0	B	357712	7126465	1.2	5.1	4.6	5.9	9.6	13.2	18.0	18.6	2.5	8.9	0
J	3842.0	B	357772	7126441	2.2	3.3	1.0	2.3	8.0	7.1	5.7	10.0	0.0	0.0	0
K	3806.0	B	358054	7126344	1.7	1.1	2.4	3.0	3.0	3.5	8.1	6.5	0.0	0.0	0
L	3798.0	D	358194	7126289	6.9	4.9	4.3	4.9	13.9	10.1	16.6	10.0	6.6	21.0	3 16
M	3794.0	B	358294	7126235	2.4	3.1	3.9	5.0	7.1	7.3	15.2	14.0	0.0	0.0	0
N	3715.0	B?	359012	7125975	1.5	1.4	2.0	3.2	3.5	3.5	7.1	12.4	0.0	0.0	0
O	3703.0	S	359248	7125861	0.8	4.7	0.5	4.9	7.5	26.2	9.0	43.4	0.0	0.0	0
P	3598.0	S	360073	7125540	1.1	1.1	0.0	1.1	1.4	4.2	1.6	6.7	0.0	0.0	0
LINE 10271															
A	2597.0	S	355806	7127326	0.8	1.6	0.7	2.4	1.6	5.5	5.4	13.9	0.0	0.0	9
B	2630.0	B?	356306	7127114	1.8	3.5	0.6	3.0	7.2	13.3	6.7	15.3	0.0	0.0	0

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10272															
A	2778.0	D	357483	7126664	7.1	14.2	4.3	11.3	31.2	33.1	37.8	35.9	0.0	8.2	28
B	2779.0	D	357517	7126655	37.4	35.0	14.2	25.2	82.7	45.9	78.5	55.6	12.0	3.0	28
C	2784.0	D	357607	7126621	47.6	12.9	27.4	12.0	49.7	9.9	41.8	52.8	86.0	1.4	2
D	2793.0	D	357731	7126580	17.0	11.6	0.1	2.7	31.5	16.7	13.1	13.0	14.0	16.	72
E	2816.0	D	357845	7126545	5.9	5.1	0.4	0.6	11.6	6.4	1.6	0.7	0.0	33.0	7 0
F	2860.0	B	358204	7126413	0.7	0.7	2.1	4.3	0.9	1.3	10.1	19.2	0.0	0.0	0
G	2868.0	D	358444	7126337	3.4	5.8	1.9	4.8	12.3	15.9	14.5	37.7	0.0	36.0	7 0
H	2940.0	B	358947	7126111	2.1	1.5	2.3	1.7	2.7	2.1	7.5	3.3	0.0	0.0	0
I	2954.0	B	359195	7126068	1.7	1.7	3.0	3.9	5.4	3.7	9.6	10.6	0.0	0.0	217
J	3018.0	S	360427	7125588	3.1	1.0	0.3	0.7	2.7	4.9	0.3	6.3	0.0	62.0	3 0
LINE 10280															
A	4650.0	B	356225	7127311	1.6	4.6	8.6	12.1	8.4	13.9	39.4	26.1	2.7	20.0	7 0
B	4632.0	D	356878	7127076	37.9	13.9	58.3	22.3	51.6	18.1	99.3	29.8	65.0	0.0	0
C	4630.0	B	356948	7127059	22.5	10.9	43.4	19.4	40.5	15.6	86.2	29.7	0.0	0.0	0
D	4613.0	B	357284	7126916	17.9	11.8	13.1	10.0	33.1	15.5	31.8	13.5	19.0	0.0	52
E	4591.0	D	357538	7126786	5.2	5.9	2.7	4.8	15.1	12.1	15.9	13.3	5.0	27.0	6 46
F	4565.0	B	357861	7126678	0.8	0.9	2.3	3.5	3.1	2.6	10.0	10.3	0.0	0.0	0
G	4538.0	B	358223	7126551	0.7	2.3	8.3	7.9	15.6	19.4	22.7	27.1	5.5	23.0	9 0
H	4528.0	B	358541	7126456	8.9	12.5	7.9	18.3	48.6	44.5	55.3	71.3	4.1	16.0	7 52
I	4523.0	D	358646	7126427	20.7	21.7	13.2	22.4	53.1	40.9	72.3	44.6	8.7	3.4	0
J	4496.0	D	358935	7126288	3.9	3.0	2.6	7.2	6.3	11.1	19.1	37.1	0.0	0.0	90
K	4491.0	B?	359010	7126263	0.3	2.5	2.8	7.1	3.3	9.7	20.4	35.2	1.4	19.0	1 0
L	4484.0	D	359148	7126207	3.6	1.0	0.6	0.4	2.1	4.1	0.3	4.1	0.0	0.0	0
M	4466.0	B	359310	7126169	1.6	3.4	2.1	5.4	6.1	9.3	13.9	22.9	2.4	24.0	0 0
N	4458.0	B	359381	7126169	5.8	6.2	2.9	4.6	16.2	18.2	15.5	26.2	0.5	0.0	0
O	4438.0	S	359856	7125998	1.7	3.4	0.9	3.7	4.4	13.6	8.8	23.0	0.0	0.0	0
P	4424.0	S	360200	7125817	0.4	1.5	0.5	1.7	2.3	7.1	0.5	14.6	0.0	0.0	2
Q	4402.0	S	360513	7125703	0.4	1.0	0.1	1.3	0.3	5.0	1.0	9.7	0.0	0.0	52
LINE 10291															
A	2509.0	B?	356230	7127462	1.1	1.1	4.3	2.1	1.6	2.2	7.9	2.1	0.0	0.0	0
B	2496.0	B?	356787	7127257	0.5	0.9	2.9	0.5	1.4	1.4	0.9	1.9	0.0	0.0	0
C	2485.0	D	357045	7127159	15.8	9.4	6.5	9.7	26.7	14.2	30.0	24.8	15.0	6.6	0
D	2478.0	B?	357141	7127100	5.2	0.8	1.4	0.2	4.5	1.2	0.2	0.2	0.0	0.0	0

EM Anomaly List
Job 1316
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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
E	2463.0	B	357392	7127040	3.2	3.1	4.4	4.8	6.6	3.5	13.5	8.2	1.0	0.0	18
F	2445.0	B	357850	7126844	2.7	2.0	1.1	1.8	3.9	2.8	5.3	3.8	0.0	0.0	0
G	2422.0	B?	358541	7126607	5.2	6.3	3.0	11.2	31.6	19.2	42.2	38.7	0.0	0.0	30
H	2418.0	D	358617	7126585	5.7	13.2	2.4	5.3	31.6	24.2	21.9	17.5	3.2	0.0	30
I	2408.0	B	358744	7126540	9.0	10.5	10.4	15.0	23.8	17.3	41.8	28.3	6.5	4.0	0
J	2314.0	B	359318	7126301	1.3	2.9	3.3	6.2	4.7	6.1	18.9	26.7	2.7	27.0	1 105
K	2285.0	S	359853	7126101	3.6	5.3	1.3	7.9	8.3	25.0	16.7	55.6	2.8	18.0	0 0
LINE 10301															
A	1797.0	B	356282	7127613	4.6	2.5	5.7	4.1	6.1	6.4	12.5	13.8	0.0	0.0	239
B	1814.0	B	356892	7127390	6.5	2.4	17.2	6.1	8.0	1.0	23.9	5.7	41.0 2	15.	5 0
C	1821.0	B?	357118	7127306	2.4	1.6	3.9	2.7	2.9	4.0	6.9	7.2	0.0	0.0	9
D	1835.0	B	357481	7127176	2.4	5.0	12.8	13.2	7.9	14.3	42.8	30.8	5.2	23.0	2 0
E	1845.0	B	357816	7127027	1.4	6.2	9.0	14.4	11.5	17.1	43.3	40.0	3.1	4.0	0
F	1856.0	D	358198	7126886	18.6	9.4	15.0	10.6	28.6	11.2	36.3	11.2	25.0 6	0.0	0
LINE 10302															
A	1955.0	D	358928	7126612	26.8	22.1	34.5	39.3	55.1	28.9	116.0	52.1	14.0 8	0.0	0
B	1981.0	D	359295	7126466	10.3	7.2	18.4	15.5	26.7	18.5	44.2	27.5	15.0 9	13.	4 0
C	1998.0	D	359474	7126437	20.2	15.2	1.7	13.2	32.4	25.0	45.4	55.3	10.0 0	11.	1 0
D	2005.0	B	359574	7126391	5.5	9.1	13.1	14.3	17.1	18.9	40.6	41.8	5.7	13.0	7 18
E	2016.0	B	359812	7126286	1.6	2.2	3.5	4.5	8.5	5.1	13.1	0.2	0.0	0.0	0
LINE 10310															
A	5417.0	B?	356075	7127841	5.5	1.4	3.8	0.6	4.5	3.8	2.3	0.4	0.0	36.0	9 0
B	5422.0	D	356242	7127784	4.5	9.0	11.1	11.5	24.3	20.0	42.8	24.5	0.0	22.0	2 55
C	5435.0	B	356658	7127624	5.7	1.5	6.1	1.4	5.8	4.1	5.8	3.3	62.0 8	28.	3 0
D	5445.0	B	357031	7127480	4.2	1.3	3.6	3.7	3.6	3.8	12.4	4.6	0.0	32.0	9 0
E	5463.0	B	357649	7127245	4.3	1.9	0.5	0.1	4.8	7.0	1.9	4.2	0.0	36.0	7 55
F	5471.0	B	357965	7127106	2.6	1.3	1.7	2.9	4.3	2.4	9.4	7.0	0.0	43.0	6 0
G	5480.0	B	358304	7126987	11.5	6.1	9.0	6.5	19.5	9.0	24.7	10.8	20.0 3	7.9	0
H	5484.0	D	358376	7126967	12.6	8.9	18.2	9.9	23.6	13.5	37.8	23.4	20.0 2	12.	1 54
I	5558.0	S	358797	7126810	0.5	3.1	0.1	3.7	1.4	14.3	2.6	29.6	0.0	0.0	28
J	5569.0	B	359016	7126700	22.9	22.0	16.9	17.8	53.5	36.9	61.1	50.4	12.0 3	0.0	0
K	5575.0	B	359083	7126670	10.7	10.6	17.1	15.9	27.3	23.8	49.8	26.2	11.0 0	0.2	0
L	5583.0	B	359167	7126631	3.8	5.0	20.0	19.6	21.5	12.3	63.2	32.0	0.0	17.0	4 382
M	5601.0	B	359366	7126596	3.0	5.0	3.1	7.7	12.7	12.0	25.5	24.1	3.0	3.7	0

Note: EM values are in local amplitudes

EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
N	5624.0	S	359887	7126426	0.5	7.5	3.4	21.9	11.5	30.6	84.0	110.8	0.8	0.0	0
O	5639.0	S	360249	7126255	0.0	3.4	2.2	4.8	5.7	12.9	16.6	24.2	0.7	0.0	405
LINE 10321															
A	3964.0	B	356035	7128001	2.8	5.3	8.0	10.3	16.8	20.3	34.4	32.2	3.8	18.0	9 42
B	3983.0	D	356742	7127769	15.3	4.9	18.6	5.6	18.6	2.9	25.1	2.2	60.0 7	1.2	33
C	3989.0	D	356937	7127690	5.5	7.0	21.4	7.5	16.1	12.7	27.9	25.7	17.0 7	12.	1 50
D	3992.0	D	357063	7127643	19.9	8.2	22.3	14.8	30.1	9.2	53.9	23.3	33.0 6	8.5	0
E	3997.0	D	357213	7127585	21.4	11.0	45.5	21.7	32.4	10.0	87.5	12.4	37.0 2	1.5	33
F	4026.0	B	358297	7127148	5.3	4.5	4.4	3.8	9.8	8.2	10.9	14.6	0.0	25.0	4 9
G	4031.0	B	358463	7127072	5.4	4.5	5.4	4.3	9.9	8.5	16.6	11.0	0.0	0.0	0
H	4078.0	B?	359218	7126839	1.2	1.6	1.2	1.8	2.9	5.2	6.6	9.9	0.0	0.0	0
I	4147.0	B	359889	7126569	5.1	11.0	9.8	20.2	22.9	29.9	62.6	68.0	3.8	3.9	60
J	4160.0	B	360242	7126469	3.5	4.0	7.7	10.6	8.0	8.0	30.9	21.8	5.2	29.0	5 30
LINE 10331															
A	1023.0	B	356006	7128216	12.6	4.7	25.9	7.6	34.0	6.9	34.8	10.4	0.0	7.9	16
B	1029.0	B	356198	7128145	12.5	0.7	32.0	0.8	6.4	2.0	6.7	2.8	999.0 .0	16.	1 0
C	1044.0	B	356679	7127959	3.5	6.8	6.3	8.1	13.8	20.8	27.6	39.0	3.4	28.0	4 0
D	1056.0	D	357035	7127827	9.7	7.9	4.0	2.5	18.3	10.1	8.5	9.9	12.0 1	14.	4 0
E	1062.0	D	357236	7127756	44.0	16.6	60.3	26.6	60.0	16.0	113.3	25.9	60.0 0	0.0	0
F	1065.0	D	357318	7127720	44.0	16.6	60.3	26.6	60.0	16.0	113.3	25.9	60.0 0	0.0	29
G	1070.0	B	357479	7127642	10.2	6.7	24.0	13.8	36.4	12.2	56.2	21.3	21.0 8	7.8	64
H	1082.0	D	357902	7127466	13.8	9.0	4.3	7.0	22.5	15.4	21.6	30.5	13.0 5	15.	4 0
I	1105.0	D	358648	7127216	3.9	6.6	13.8	15.2	14.5	10.3	47.0	25.3	5.6	6.3	0
J	1107.0	D	358696	7127195	4.3	6.6	13.9	15.2	13.8	10.4	47.0	25.3	0.0	14.0	9 0
LINE 10332															
A	1337.0	B	360034	7126677	18.7	8.5	18.7	15.8	30.5	13.7	56.8	30.5	25.0 0	0.0	30
B	1341.0	D	360172	7126641	4.3	11.1	13.4	17.5	22.4	21.4	57.8	39.0	0.0	19.0	4 96
C	1350.0	B	360528	7126513	8.2	10.2	11.6	17.5	23.1	12.3	51.6	25.0	0.0	11.0	1 128
LINE 10341															
A	755.4	B	360029	7126839	57.4	43.1	77.3	57.3	116.4	54.9	188.9	86.8	26.0 6	0.0	0
B	741.0	B	360437	7126679	34.7	25.2	66.9	40.9	67.8	32.8	139.5	57.4	27.0 8	0.0	275
LINE 10342															
A	959.0	B	356077	7128361	21.7	18.6	50.3	32.3	51.8	18.4	98.9	17.6	21.0 1	0.0	81
B	955.0	B	356261	7128291	4.0	6.2	12.4	1.9	18.6	21.1	3.6	43.2	0.0	0.0	2

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
C	952.3	B	356382	7128247	0.6	29.5	17.2	12.4	73.7	45.2	26.6	77.1	2.4	0.0	7
D	949.0	B	356530	7128190	40.3	29.5	47.3	48.0	73.2	43.8	148.4	77.1	19.0 7	0.0	217
E	946.9	B	356624	7128150	40.3	18.3	69.2	30.6	61.9	22.5	122.1	38.6	50.0 5	0.0	0
F	943.3	B	356785	7128084	2.9	6.3	13.7	13.0	15.0	13.7	40.0	20.9	5.8	15.0	3 0
G	931.6	D	357306	7127910	34.2	20.7	56.2	33.2	59.9	22.8	119.4	47.0	31.0 8	0.0	0
H	929.1	D	357421	7127864	37.1	16.5	43.4	24.3	57.1	23.0	88.2	33.4	41.0 5	0.0	31
I	916.7	B	357998	7127609	13.4	13.2	30.7	27.6	30.5	20.3	80.9	44.3	12.0 7	2.8	0
J	911.0	B	358255	7127508	5.9	3.4	9.6	9.0	9.1	6.3	25.0	9.9	13.0 0	7.6	0
K	872.0	S	359396	7127105	2.3	1.8	0.6	0.8	3.7	8.1	2.0	6.7	0.0	0.0	40
L	824.3	B	359940	7126900	7.0	3.2	10.3	4.7	10.5	3.5	20.6	9.6	0.0	0.0	0
LINE 10351															
A	404.1	B	356374	7128402	5.2	9.0	9.6	10.6	21.6	9.8	38.1	22.0	4.9	16.0	9 56
B	414.3	B	356641	7128304	19.1	5.7	25.7	9.9	19.6	9.2	31.1	12.3	60.0 9	2.8	0
C	423.5	B	356882	7128225	37.2	9.4	40.3	17.3	40.5	6.6	64.2	10.8	79.0 8	1.9	0
D	431.7	B	357110	7128134	3.6	1.7	7.2	2.8	8.8	2.9	11.8	0.9	1.0	0.0	0
E	444.9	D	357486	7127987	22.5	12.0	19.8	15.1	33.7	14.5	48.7	21.8	25.0 4	0.0	56
F	446.7	D	357545	7127962	25.2	11.6	24.6	16.2	38.0	13.0	52.2	21.8	32.0 4	0.0	0
G	470.0	S	358433	7127646	2.8	2.0	1.5	1.6	2.5	4.8	4.3	12.3	0.0	0.0	0
H	490.5	B?	358799	7127505	1.2	2.3	2.9	3.3	3.3	2.2	9.4	6.0	0.0	0.0	0
LINE 10352															
A	612.0	S	359633	7127181	0.9	1.1	0.3	1.0	1.5	1.6	2.5	8.2	0.0	0.0	0
B	641.4	D	359988	7127025	24.1	20.9	18.7	28.7	54.2	33.2	88.9	85.0	11.0 5	0.0	115
C	646.4	B	360096	7126992	43.6	31.7	66.6	47.7	84.1	49.9	155.7	69.1	25.0 8	0.0	66
D	657.8	B	360459	7126859	24.7	8.5	33.7	13.5	31.2	3.1	45.8	3.2	54.0 4	0.0	0
E	661.3	B	360599	7126808	5.2	11.8	11.4	15.2	28.2	11.8	53.9	70.2	0.0	1.5	0
F	665.6	D	360781	7126743	5.3	11.8	9.9	15.2	30.9	41.7	53.9	70.2	3.1	9.5	0
G	670.0	B	360968	7126677	1.2	6.2	9.8	8.3	16.3	17.9	23.5	32.7	0.0	0.0	0
LINE 10360															
A	5934.0	B	356637	7128435	114.5	37.0	163.9	63.4	149.4	36.6	262.2	64.8	100.0 .8	0.0	309
B	5925.0	D	356947	7128326	29.6	9.2	40.3	16.8	39.7	7.5	69.8	14.8	65.0 7	0.0	0
C	5909.0	B	357546	7128081	32.2	19.8	53.8	31.6	57.8	33.1	112.3	50.8	30.0 9	0.0	16
D	5904.0	D	357749	7128002	8.2	6.8	16.1	13.0	15.8	15.9	42.1	24.7	0.0	10.0	5 70
E	5902.0	D	357849	7127965	8.8	7.1	4.0	6.5	17.8	13.2	22.9	22.7	8.9	9.6	80
F	5888.0	S	358399	7127765	0.2	2.9	0.4	3.3	0.8	11.3	4.3	26.7	0.0	0.0	0

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EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
G	5814.0	B?	359576	7127342	0.5	0.9	0.6	1.0	1.8	2.2	3.2	1.4	0.0	0.0	0
H	5760.0	D	360010	7127175	58.6	33.3	80.3	48.7	106.0	54.8	186.0	86.3	38.0 3	0.0	39
I	5758.0	D	360090	7127144	69.4	37.9	58.4	41.8	113.9	46.2	153.3	61.4	37.0 5	0.0	80
J	5740.0	D	360544	7126989	45.1	30.8	85.3	64.3	83.2	50.1	185.3	77.4	26.0 5	0.0	0
K	5735.0	D	360716	7126940	5.9	17.2	1.6	9.3	43.8	32.2	39.1	41.4	2.4	0.0	0
L	5725.0	B	360983	7126820	8.8	9.5	16.9	13.3	22.4	19.8	43.5	31.7	10.0 8	0.0	0
LINE 10375															
A	1533.0	B	359252	7127636	4.3	3.4	3.2	4.6	7.9	14.0	10.1	23.8	0.0	0.0	0
B	1566.0	B	359658	7127439	4.4	18.2	4.5	8.5	46.4	76.7	25.4	54.5	2.3	0.0	0
C	1572.0	B	359773	7127393	5.6	6.8	5.6	8.5	15.3	28.2	24.6	29.3	0.0	17.0	8 46
D	1589.0	D	360067	7127300	15.8	6.3	12.0	5.4	23.6	7.9	20.6	6.1	37.0 4	0.0	0
E	1598.0	B	360223	7127239	30.9	40.4	31.7	32.8	54.8	39.7	97.5	58.5	10.0 2	0.0	0
F	1601.0	D	360280	7127220	30.9	40.4	31.6	32.8	92.2	56.0	97.5	59.3	10.0 2	4.7	121
G	1615.0	B	360516	7127149	2.9	1.9	2.9	4.1	4.1	4.4	9.3	12.1	0.0	0.0	46
H	1624.0	D	360688	7127089	10.3	9.6	12.2	11.4	20.7	10.2	36.3	26.1	10.0 5	12.	0 0
LINE 10379															
A	1282.0	B	356452	7128657	12.2	5.4	17.3	12.5	16.0	6.4	36.9	12.8	0.0	12.0	9 88
B	1289.0	B	356677	7128582	28.2	14.0	48.2	20.5	50.9	14.0	88.2	18.6	43.0 3	0.0	0
C	1292.0	D	356768	7128549	29.0	14.5	55.4	22.2	47.0	15.6	108.1	26.8	0.0	0.0	0
D	1298.0	D	356896	7128503	6.5	7.5	39.4	8.8	8.1	8.2	55.6	3.0	36.0 3	1.6	39
E	1304.0	D	357028	7128452	45.2	15.2	22.3	19.7	59.9	18.8	51.1	26.5	48.0 0	0.0	249
F	1316.0	B	357332	7128340	9.0	10.1	18.5	10.8	18.3	31.3	38.4	48.8	12.0 6	12.	1 0
G	1319.0	B	357418	7128298	11.6	7.0	17.4	7.3	23.7	32.2	32.8	48.8	26.0 4	0.7	30
H	1333.0	D	357694	7128196	3.0	14.4	1.8	6.5	32.8	39.1	21.5	32.0	1.5	0.0	254
I	1336.0	D	357773	7128171	1.0	6.5	4.3	14.7	11.7	39.2	53.7	57.2	0.0	0.0	123
J	1345.0	B	357984	7128096	5.9	6.8	1.3	7.5	16.2	25.5	33.2	43.9	3.5	25.0	1 30
K	1360.0	S	358464	7127913	1.8	0.7	0.4	1.4	2.2	5.9	2.4	12.6	0.0	0.0	12
L	1373.0	B	358874	7127770	3.7	0.9	3.2	5.2	4.6	5.3	12.0	14.6	12.0 0	43.	5 30
LINE 10380															
A	2462.0	B	356362	7128877	1.8	3.4	3.0	5.8	10.4	10.7	19.9	20.2	2.2	44.0	6 8
B	2477.0	D	356700	7128746	23.6	15.1	18.6	15.6	45.6	16.3	55.2	23.3	21.0 1	0.0	0
C	2480.0	B	356792	7128711	33.7	16.3	50.1	19.9	54.5	18.6	83.2	23.0	48.0 0	0.0	47
D	2487.0	D	356928	7128650	13.5	6.8	1.3	1.8	17.6	10.7	6.3	5.5	21.0 4	16.	8 0
E	2491.0	D	356984	7128620	13.2	19.3	25.0	25.4	45.1	35.2	77.7	52.4	8.3	7.7	0

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
F	2499.0	D	357135	7128566	30.8	17.2	12.6	19.2	46.6	41.3	52.5	47.7	21.0 7	0.0	40
G	2502.0	D	357192	7128548	23.8	0.0	38.2	19.2	46.6	41.3	58.8	47.7	49.0 0	1.2	89
H	2509.0	D	357354	7128493	12.2	11.1	27.1	10.5	14.2	4.6	58.2	23.8	20.0 3	4.4	0
I	2511.0	D	357412	7128477	12.2	7.0	27.1	12.0	18.4	10.0	33.4	17.9	30.0 3	5.3	18
J	2514.0	B	357506	7128442	21.8	22.3	35.0	32.7	36.6	33.0	87.1	49.8	13.0 4	0.0	47
K	2516.0	B	357572	7128414	33.8	27.3	38.4	32.7	57.8	36.3	87.1	49.8	18.0 9	0.0	0
L	2521.0	B	357694	7128361	0.3	4.0	34.1	3.6	8.0	20.0	12.8	19.0	0.0	10.0	6 0
M	2528.0	D	357808	7128311	4.4	3.7	0.9	1.2	8.5	7.3	3.7	4.9	7.2	45.0	0 0
N	2533.0	D	357901	7128281	5.8	5.8	9.8	13.3	11.1	12.0	40.5	28.4	0.0	26.0	4 87
O	2536.0	B	357970	7128259	11.2	4.9	9.7	10.6	13.5	4.1	31.3	34.2	0.0	7.0	32
P	2543.0	B?	358131	7128196	3.7	11.2	3.6	10.7	21.2	37.8	35.0	55.9	2.6	0.0	47
Q	2547.0	B?	358235	7128154	7.3	5.8	4.3	11.2	23.1	41.0	37.7	63.3	6.0	12.0	6 0
R	2562.0	B?	358801	7127928	6.5	4.9	1.6	7.1	10.9	13.4	18.5	32.1	6.0	29.0	2 78
LINE 10381															
A	2669.0	D	359297	7127766	5.6	8.5	3.2	6.3	20.1	27.1	17.0	34.0	3.6	18.0	3 0
B	2681.0	B	359431	7127720	3.9	5.2	3.9	9.4	10.7	11.7	30.5	29.7	3.1	30.0	4 0
C	2706.0	D	359632	7127598	12.3	12.5	10.1	7.0	30.0	10.0	15.4	13.9	11.0 0	6.1	0
D	2714.0	D	359748	7127556	10.9	2.3	16.3	10.3	9.8	0.5	18.2	6.1	40.0 1	0.0	0
E	2721.0	B	359867	7127527	27.7	18.9	18.7	16.9	51.9	27.5	50.1	22.0	19.0 6	0.0	0
F	2737.0	B	360202	7127419	1.2	3.5	5.3	6.8	5.5	9.5	24.8	26.3	2.4	38.0	8 24
G	2747.0	B?	360404	7127363	1.6	16.8	4.1	21.7	38.8	56.9	90.7	95.2	0.0	0.0	91
H	2767.0	B?	360775	7127215	2.1	1.9	0.4	1.4	4.1	7.7	7.0	12.3	0.0	0.0	6
LINE 10390															
A	3409.0	B?	356471	7128994	3.6	4.3	2.5	6.0	9.5	12.2	20.1	28.2	3.5	40.0	1 0
B	3417.0	B	356669	7128912	4.5	4.8	3.4	2.7	8.9	11.0	7.5	17.3	0.0	0.0	0
C	3423.0	B	356862	7128824	16.7	7.5	30.4	13.4	27.4	8.2	50.8	11.4	39.0 2	0.0	69
D	3434.0	B	357102	7128738	5.0	6.8	9.5	7.8	15.2	20.3	26.2	41.2	4.8	21.0	1 0
E	3453.0	D	357438	7128611	6.8	7.6	5.2	6.5	17.1	18.0	18.1	14.5	6.4	22.0	7 0
F	3455.0	D	357478	7128600	5.9	11.1	11.3	18.7	22.8	28.1	56.5	42.9	3.6	18.0	5 0
G	3461.0	B	357680	7128536	9.2	14.1	11.3	15.1	39.2	39.1	47.7	38.4	5.8	9.7	0
H	3464.0	B	357760	7128508	31.1	21.2	38.0	24.6	60.0	22.0	84.1	38.4	25.0 2	0.0	0
I	3480.0	D	357978	7128429	2.5	9.3	3.1	6.4	23.2	30.1	21.8	28.8	0.0	10.0	0 69
J	3484.0	D	358038	7128403	6.2	13.9	8.3	15.3	32.9	40.5	57.8	57.0	0.0	0.0	0
K	3490.0	D	358171	7128349	18.3	11.6	21.2	13.5	36.2	2.0	48.2	28.0	22.0 5	5.5	113

Note: EM values are in local amplitudes

EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
L	3500.0	D	358396	7128252	3.7	8.5	2.7	9.2	18.2	36.9	27.4	56.6	0.0	0.0	0
M	3514.0	B?	358866	7128089	4.2	1.5	0.3	2.6	1.9	4.4	7.7	13.2	0.0	0.0	0
N	3616.0	B	359517	7127866	10.1	18.5	4.6	5.3	38.0	42.2	17.3	25.8	3.9	26.0	5 0
O	3656.0	D	359596	7127833	7.9	5.1	5.7	6.2	14.2	10.4	17.6	15.8	0.0	22.0	4 0
P	3662.0	D	359644	7127802	12.6	15.3	21.4	20.8	36.3	35.0	64.9	53.7	7.0	0.0	0
Q	3672.0	B	359734	7127750	35.1	14.7	40.5	7.0	55.3	16.1	49.9	2.5	0.0	0.0	69
R	3677.0	B	359796	7127732	86.2	29.7	58.3	24.4	104.8	18.4	96.0	17.7	91.0	8 0.0	0
S	3696.0	D	360072	7127651	18.5	21.6	35.5	37.7	51.3	28.4	104.7	34.9	10.0	6 0.0	69
T	3699.0	D	360134	7127633	23.0	25.0	34.8	41.0	60.5	28.4	111.6	34.7	10.0	9 0.0	0
U	3706.0	B	360279	7127579	1.7	4.4	7.7	10.3	3.5	12.8	27.3	17.2	0.0	0.0	0
V	3733.0	D	360649	7127432	1.2	1.5	2.0	5.4	0.8	4.9	15.6	18.8	1.9	63.0	0 69
W	3741.0	B?	360762	7127380	0.2	3.6	0.9	1.5	2.7	17.6	2.8	20.7	0.0	0.0	0
X	3767.0	B	361182	7127246	2.7	4.6	7.4	7.5	11.6	10.2	25.3	20.4	0.0	0.0	0
LINE 10400															
A	4283.0	B	356670	7129080	2.0	4.6	0.9	3.4	9.4	13.8	12.0	14.6	0.8	0.0	320
B	4293.0	D	356970	7128972	26.6	17.1	11.6	15.7	49.1	20.3	55.8	26.5	18.0	2 0.0	0
C	4294.0	B	357030	7128952	27.3	17.0	30.7	23.9	49.5	21.2	79.0	26.5	23.0	3 0.0	0
D	4307.0	B	357281	7128856	1.9	3.1	4.3	4.9	7.4	10.9	15.0	16.1	0.0	0.0	15
E	4327.0	B	357601	7128719	0.3	4.0	4.5	6.5	5.8	9.2	22.0	20.3	2.0	14.0	8 33
F	4335.0	D	357814	7128636	22.3	17.2	18.0	14.6	48.7	20.1	51.6	24.1	17.0	7 0.0	0
G	4338.0	D	357892	7128603	35.0	27.5	39.1	31.4	75.6	33.5	98.9	35.7	20.0	2 0.0	15
H	4349.0	B	358043	7128548	1.8	11.1	3.9	11.1	25.0	35.7	35.2	36.3	0.0	0.3	0
I	4355.0	D	358132	7128513	3.3	10.2	5.4	19.8	26.6	33.6	75.0	74.3	2.2	0.0	0
J	4371.0	B?	358411	7128401	2.3	5.5	3.2	5.7	9.3	19.8	18.4	32.2	2.8	14.0	1 180
K	4491.0	D	359762	7127921	4.4	18.3	9.0	30.5	46.0	71.5	121.0	145.0	2.4	0.0	0
L	4494.0	B	359809	7127902	7.0	14.3	6.3	15.7	45.8	64.8	50.3	57.7	0.0	0.0	0
M	4522.0	B?	360157	7127763	1.3	1.7	1.2	2.4	6.6	2.7	5.9	6.8	0.0	0.0	0
N	4532.0	B	360385	7127689	6.1	10.6	7.4	10.9	22.4	18.2	32.2	29.8	3.9	7.4	25
O	4560.0	B	360877	7127508	37.0	25.8	75.8	59.1	70.2	38.3	189.7	76.4	24.0	5 0.0	19
P	4568.0	B	361087	7127440	7.9	14.0	23.6	35.8	31.0	34.6	121.2	85.3	5.0	10.0	7 0
Q	4572.0	B	361217	7127396	8.9	15.2	23.4	37.6	38.1	49.4	123.6	91.8	4.9	11.0	9 29
LINE 10410															
A	5082.0	S?	356744	7129189	0.0	1.5	0.4	1.1	1.6	5.1	0.6	10.5	0.0	0.0	0
B	5091.0	D	357035	7129075	9.4	10.8	7.9	13.2	26.0	17.9	43.2	36.8	6.0	12.0	6 11

EM Anomaly List
Job 1316

Note: EM values are in local amplitudes

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
C	5092.0	B	357088	7129055	7.7	14.1	22.1	26.3	31.7	31.6	82.9	53.4	5.8	11.0	2 190
D	5128.0	D	357728	7128812	7.1	19.6	9.4	23.5	44.0	54.3	87.5	80.0	3.4	0.0	54
E	5134.0	D	357870	7128764	20.1	16.5	32.1	18.5	41.7	22.0	69.0	54.6	20.0 5	2.3	0
F	5136.0	D	357908	7128751	19.5	16.7	32.3	19.8	41.7	23.4	69.8	20.5	19.0 2	0.0	0
G	5151.0	B?	358154	7128649	0.7	5.3	1.9	9.2	6.6	24.1	24.2	58.6	1.0	5.0	9
H	5166.0	B?	358375	7128579	1.6	2.5	2.4	4.5	2.6	10.5	10.3	21.1	0.5	0.0	0
I	5204.0	B?	359306	7128206	6.7	2.0	0.0	3.2	1.9	5.7	8.2	22.1	0.0	0.0	0
J	5308.0	B?	360186	7127932	1.4	5.1	1.5	4.8	7.6	26.4	11.7	36.1	0.0	0.0	0
K	5328.0	B	360448	7127831	9.6	14.5	15.1	17.6	35.6	32.3	55.9	44.0	6.1	4.5	68
L	5337.0	B	360668	7127776	22.9	25.4	58.7	48.9	61.0	42.6	142.9	46.4	15.0 3	0.0	0
M	5340.0	D	360750	7127751	20.2	25.4	60.9	49.6	61.0	42.6	145.9	46.4	14.0 2	0.0	0
N	5349.0	B	361043	7127632	17.6	6.0	36.0	13.2	25.3	8.9	48.0	16.5	56.0 2	0.9	0
O	5355.0	B	361236	7127554	11.8	9.5	25.6	21.0	27.7	14.8	58.8	21.4	15.0 0	1.6	0
LINE 10420															
A	5845.0	B	357168	7129183	1.1	2.5	3.8	5.2	3.2	5.6	15.3	19.2	0.0	47.0	7 5
B	5855.0	B?	357433	7129100	2.0	1.0	1.6	1.9	3.6	2.8	6.0	7.6	0.0	0.0	0
C	5895.0	B	357762	7128963	0.4	0.4	4.6	4.0	2.1	6.1	13.3	14.3	0.0	0.0	0
D	5904.0	B?	357982	7128880	3.6	12.5	7.4	14.4	20.4	19.2	46.7	47.2	0.0	0.0	0
E	5922.0	S	358303	7128758	1.3	1.6	0.6	2.2	1.9	9.5	4.4	18.7	0.0	0.0	-105
F	5977.0	B?	359433	7128342	3.8	1.0	0.1	2.1	2.1	4.4	8.3	8.7	0.0	0.0	5
G	6071.0	B	360276	7128024	3.7	5.3	2.1	3.0	10.2	16.5	8.9	7.8	0.0	39.0	1 0
H	6085.0	D	360481	7127955	8.7	10.4	6.2	12.8	28.1	22.5	38.4	36.7	0.0	11.0	2 0
I	6090.0	B	360605	7127926	11.7	9.9	27.6	20.3	32.0	20.2	66.0	43.9	15.0 5	0.0	0
J	6101.0	B	360856	7127831	22.7	14.9	23.5	16.1	43.2	18.7	55.2	21.8	0.0	1.3	76
K	6107.0	B	361057	7127761	133.3	45.9	191.2	75.1	180.1	39.6	304.8	59.5	101.0 .9	0.0	0
L	6109.0	B	361104	7127741	50.9	28.6	132.3	38.6	180.1	36.8	125.7	32.4	64.0 3	0.0	0
M	6113.0	B	361222	7127689	50.9	21.2	67.9	47.0	168.4	45.5	143.3	44.0	72.0 8	0.0	0
N	6116.0	B	361310	7127654	54.8	26.5	71.2	53.7	71.4	30.1	171.0	67.7	36.0 6	0.0	88
LINE 10430															
A	656.4	S	356644	7129537	1.7	6.8	3.2	12.8	13.3	25.7	43.5	64.1	1.5	0.0	42
LINE 10431															
A	753.7	D	357534	7129216	5.7	4.4	1.3	4.8	12.0	10.4	13.7	20.5	0.0	16.0	7 8
B	768.9	B	357744	7129148	6.6	8.8	11.9	16.7	19.9	18.5	52.7	42.9	5.6	15.0	9 0
C	776.3	D	357855	7129105	18.6	16.1	20.9	16.0	36.0	9.8	49.0	20.3	15.0 3	0.0	0

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EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
D	780.0	D	357905	7129087	42.7	37.7	53.1	52.5	92.5	40.0	146.9	64.6	17.0 5	0.0	0
E	792.1	B	357971	7129054	0.6	4.5	8.9	21.4	7.6	16.9	63.3	76.0	2.3	13.0	0 0
F	800.7	B	358019	7129033	9.0	12.2	9.6	12.3	24.2	24.6	48.5	35.5	6.0	24.0	0 34
G	921.3	B?	359466	7128497	2.9	1.2	0.8	1.4	1.3	6.3	3.5	5.9	0.0	0.0	0
LINE 10432															
A	1068.0	S?	360404	7128133	1.6	2.8	0.9	3.6	5.2	10.7	2.0	26.2	0.0	0.0	4
B	1080.0	B	360659	7128043	14.6	17.5	13.2	21.2	44.2	27.9	70.0	40.4	7.1	1.9	4
C	1101.0	B	361057	7127897	80.1	55.1	97.7	86.8	146.3	90.0	259.7	101.8	28.0 4	0.0	0
D	1104.0	B	361129	7127871	72.5	32.4	137.6	41.4	78.2	57.0	153.9	35.1	83.0 9	0.0	0
E	1110.0	B	361261	7127824	56.6	14.1	59.9	11.2	81.5	21.9	66.6	12.3	160.0 .9	0.0	0
F	1115.0	D	361409	7127765	50.9	17.2	78.8	43.2	141.8	42.0	142.1	35.5	58.0 3	0.0	0
LINE 10440															
A	5352.0	B	357060	7129540	12.6	7.9	32.1	22.5	15.1	10.5	64.3	22.5	21.0 0	1.8	46
B	5359.0	D	357334	7129456	5.3	5.5	9.4	5.7	12.4	12.0	17.7	15.8	0.0	0.0	0
C	5363.0	D	357448	7129418	5.3	6.3	5.7	4.7	15.8	12.2	14.7	15.7	0.0	0.0	15
D	5376.0	B	357681	7129333	1.4	1.2	2.4	1.7	2.8	4.7	4.4	7.1	0.0	0.0	0
E	5384.0	B	357826	7129274	0.7	2.3	3.1	4.8	5.4	6.0	15.6	15.6	1.0	0.0	0
F	5484.0	S?	359631	7128600	2.0	1.2	0.9	1.4	0.8	4.0	2.3	8.2	0.0	0.0	8
G	5541.0	D	360543	7128251	6.2	9.8	6.0	8.5	21.0	18.0	28.9	18.0	4.3	10.0	6 0
H	5545.0	D	360646	7128209	6.2	12.1	14.6	17.4	26.0	27.6	58.3	34.8	0.0	11.0	3 0
I	5563.0	B	360961	7128105	6.1	13.2	20.4	10.9	27.1	22.5	38.7	10.9	0.0	0.0	0
J	5570.0	D	361048	7128055	15.5	7.3	2.3	6.5	23.8	24.8	25.5	22.8	18.0 1	5.9	0
K	5576.0	B	361133	7128023	9.0	5.1	23.0	15.0	17.8	18.5	59.0	51.9	20.0 9	1.4	3
L	5580.0	D	361209	7128001	4.6	7.1	23.1	8.5	19.6	23.7	31.4	25.4	15.0 0	10.	8 8
M	5586.0	B	361342	7127956	1.1	1.3	2.5	3.8	2.1	13.0	16.9	41.2	0.5	0.0	0
LINE 10450															
A	5280.0	B	356864	7129770	12.5	16.4	22.8	27.0	37.5	20.2	75.9	25.4	7.8	0.0	23
B	5271.0	D	357219	7129647	2.5	2.3	5.3	4.7	6.1	3.2	18.0	5.0	0.0	0.0	16
C	5250.0	B	357884	7129395	0.6	2.1	1.1	3.3	2.7	8.2	8.3	13.4	0.5	0.0	0
D	5238.0	B?	358182	7129288	3.4	1.6	2.6	2.6	3.1	4.5	9.9	9.8	0.0	0.0	0
E	5098.0	B	360531	7128409	6.7	7.4	7.9	8.9	20.9	10.4	31.5	16.2	8.2	10.0	9 0
F	5091.0	B	360732	7128337	1.8	9.0	3.7	11.3	9.8	27.1	31.1	56.0	1.5	6.0	0
G	5072.0	B?	360969	7128253	2.9	2.3	0.7	6.2	5.2	3.9	22.2	15.6	0.0	42.0	8 0
H	5064.0	D	361123	7128201	6.6	2.0	5.8	0.7	9.6	0.4	0.9	1.6	62.0 2	12.	3 0

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
I	5054.0	B	361214	7128163	0.0	0.3	8.6	3.6	0.3	0.2	16.2	12.9	0.0	39.0	9 0
J	5046.0	D	361302	7128135	12.9	2.8	10.0	6.2	14.2	4.1	21.2	18.5	49.0 8	19.	8 7
K	5030.0	B	361473	7128056	15.3	7.0	19.6	9.8	25.5	12.1	39.8	19.3	33.0 3	10.	1 0
LINE 10460															
A	4738.0	B	357043	7129885	5.4	1.6	6.7	1.0	2.8	1.6	6.7	2.7	63.0 5	15.	3 17
B	4743.0	B	357232	7129813	7.6	6.2	5.8	9.0	12.8	11.1	32.1	20.1	8.1	16.0	5 0
C	4758.0	B?	357612	7129671	0.0	1.6	7.0	2.0	1.2	4.8	4.7	10.2	0.0	0.0	17
D	4765.0	S?	357870	7129545	3.7	1.5	0.4	3.9	3.3	6.0	3.5	8.4	0.0	42.0	7 0
E	4920.0	S	360341	7128667	0.5	3.0	1.4	2.0	2.0	13.6	4.2	13.5	0.0	0.0	0
F	4927.0	B	360602	7128555	9.1	8.8	10.4	13.1	24.8	13.2	43.7	21.8	8.2	0.0	0
G	4944.0	B	360885	7128449	4.0	2.4	0.9	0.8	5.8	6.9	2.5	4.3	0.0	0.0	0
H	4963.0	B	361200	7128319	43.4	28.7	54.8	36.1	76.6	43.5	125.8	64.3	28.0 7	0.0	17
I	4971.0	B	361381	7128253	0.2	0.7	1.2	9.8	36.6	14.5	31.6	0.2	0.0	0.0	1
LINE 10470															
A	4638.0	B	357131	7130007	20.4	6.1	37.7	11.4	25.5	6.8	51.9	5.4	75.0 4	0.0	19
B	4634.0	D	357317	7129948	7.8	4.8	2.3	5.1	11.7	10.9	16.3	19.0	0.0	15.0	1 18
C	4624.0	B	357765	7129791	3.3	3.1	9.3	4.4	7.0	1.0	13.3	0.1	0.0	0.0	42
D	4596.0	B	358623	7129441	2.3	5.9	3.3	8.5	13.1	12.8	24.7	24.9	2.5	12.0	1 0
E	4543.0	S	359723	7129049	0.4	1.4	0.5	2.5	4.6	2.7	7.0	14.8	0.0	0.0	0
F	4504.0	B	360622	7128699	6.3	7.0	13.7	16.2	17.6	13.0	53.9	40.6	7.3	21.0	2 0
G	4449.0	B	360933	7128588	13.5	43.8	28.1	57.4	84.7	131.9	190.5	244.7	4.5	1.6	0
H	4436.0	B	361035	7128563	15.0	9.4	17.6	21.3	17.0	19.3	62.8	38.3	13.0 9	20.	3 164
I	4431.0	D	361108	7128535	15.3	15.1	5.4	9.6	36.1	17.8	33.0	30.1	0.0	4.4	0
J	4429.0	D	361153	7128514	8.3	14.0	0.2	1.8	30.7	32.4	7.9	10.1	0.0	28.0	4 0
K	4423.0	B	361232	7128461	0.0	0.1	0.6	10.7	1.7	2.7	28.2	21.1	0.5	0.0	0
L	4417.0	D	361323	7128413	8.2	3.4	28.1	0.6	11.8	6.6	1.6	1.0	96.0 1	17.	3 18
M	4410.0	B	361505	7128379	84.1	38.1	104.0	55.2	127.1	44.7	205.3	71.3	56.0 3	0.0	28
LINE 10480															
A	4131.0	D	357087	7130180	27.8	13.0	21.9	19.1	42.4	9.9	59.2	19.8	28.0 8	0.0	20
B	4136.0	B	357237	7130123	37.5	14.8	64.9	28.8	47.1	7.6	99.8	1.3	56.0 8	0.0	20
C	4143.0	B	357438	7130052	9.5	7.1	9.1	13.2	19.7	12.8	39.0	32.6	9.6	12.0	0 0
D	4185.0	B?	358587	7129619	0.4	1.3	2.9	3.3	1.6	3.5	12.0	8.9	1.0	0.0	20
E	4269.0	B?	359893	7129118	0.3	1.8	1.3	1.7	5.3	5.1	6.3	9.9	0.0	0.0	0
F	4273.0	D	359993	7129076	1.3	5.3	2.8	9.0	9.3	13.2	29.2	26.4	0.0	0.0	0

Note: EM values are in local amplitudes

EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
G	4313.0	D	360724	7128812	7.4	16.2	2.6	14.5	39.8	47.6	40.2	72.6	3.0	2.3	48
H	4326.0	D	360947	7128734	37.5	20.4	43.1	37.2	62.3	32.5	117.7	58.1	27.0 1	0.0	0
I	4333.0	D	361121	7128657	17.5	14.3	36.3	31.8	37.7	16.5	106.7	52.0	15.0 9	0.0	142
J	4349.0	D	361391	7128548	33.7	17.1	19.9	12.1	48.0	16.7	41.1	17.9	33.0 5	0.0	0
K	4360.0	B	361623	7128484	45.5	16.9	60.5	28.0	60.5	13.9	107.1	24.8	59.0 3	0.0	0
LINE 10490															
A	4066.0	B	356857	7130428	9.5	10.8	22.7	16.0	22.7	9.5	48.7	12.7	12.0 1	3.6	0
B	4054.0	B	357329	7130254	49.6	31.9	83.6	47.3	86.4	34.8	161.8	46.3	35.0 2	0.0	17
C	4049.0	D	357523	7130190	16.3	10.6	8.2	13.8	31.2	16.0	39.1	24.6	13.0 5	0.8	33
D	4026.0	B?	358258	7129903	0.9	2.5	2.3	3.0	4.3	14.2	11.7	23.7	0.0	0.0	149
E	3927.0	B	360145	7129200	1.6	1.8	1.4	3.4	8.0	5.9	11.6	13.1	0.0	0.0	0
F	3884.0	S	360608	7129031	0.7	2.1	1.1	2.5	1.2	9.2	6.0	20.1	0.0	0.0	0
G	3870.0	B	360791	7128959	5.4	5.5	9.5	7.6	17.3	10.4	25.0	27.8	9.3	15.0	7 17
H	3857.0	B	361072	7128859	45.8	26.7	55.1	33.0	79.2	24.9	114.5	19.7	34.0 2	0.0	0
I	3851.0	B	361239	7128796	28.0	45.1	27.3	50.9	106.5	90.8	175.7	156.6	6.0	0.0	0
J	3836.0	B	361366	7128728	1.2	1.4	1.3	3.1	3.6	3.5	9.9	10.5	0.0	0.0	1
K	3817.0	B	361483	7128684	20.5	6.6	22.9	7.1	28.2	15.2	29.1	26.8	63.0 4	2.4	0
L	3810.0	B	361626	7128639	20.2	5.8	31.8	15.0	42.3	15.4	58.5	13.2	55.0 1	0.0	36
LINE 10500															
A	3491.0	B	356979	7130535	8.5	13.4	10.9	21.8	25.3	32.9	62.2	65.5	4.1	13.0	9 0
B	3494.0	D	357052	7130509	10.9	9.3	10.9	21.8	25.3	33.1	62.2	64.0	7.0	4.2	0
C	3500.0	D	357153	7130468	5.7	2.1	9.5	3.6	7.5	7.0	7.3	5.4	34.0 9	19.	0 0
D	3506.0	D	357286	7130414	5.8	1.3	13.3	3.9	4.1	1.6	14.8	6.3	63.0 7	25.	4 14
E	3516.0	D	357565	7130303	20.6	20.4	19.3	21.1	46.1	35.8	59.4	44.7	12.0 1	7.6	24
F	3517.0	D	357591	7130291	17.4	20.4	44.1	31.0	46.1	36.4	96.5	44.7	14.0 8	0.0	24
G	3537.0	B	357855	7130199	6.2	1.9	3.5	0.9	6.0	1.3	5.4	0.0	0.0	27.0	4 0
H	3555.0	B?	358216	7130061	2.8	6.1	0.8	4.7	17.0	22.2	16.3	29.5	0.5	0.0	24
I	3660.0	S	360484	7129238	0.8	1.5	0.1	1.6	1.2	8.1	0.0	15.2	0.0	0.0	24
J	3717.0	B	361082	7128996	8.6	6.9	11.7	13.3	17.3	16.0	43.8	37.6	10.0 0	12.	0 0
K	3735.0	B	361407	7128875	6.9	12.9	18.7	19.8	29.9	26.0	67.9	39.7	5.9	4.2	0
L	3740.0	D	361472	7128850	16.3	19.5	21.7	16.4	45.7	40.3	55.4	36.4	11.0 0	0.0	0
M	3747.0	B	361608	7128798	9.7	2.3	12.6	0.3	10.0	0.3	13.7	0.3	119.0 .0	17.	0 0
N	3751.0	B	361701	7128766	5.2	1.0	10.1	5.2	9.2	6.1	23.7	25.7	36.0 7	19.	6 0

Note: EM values are in local amplitudes

EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10510															
A	3856.0	B	356975	7130706	11.5	33.5	13.7	14.1	72.9	67.9	141.8	102.5	0.0	0.0	93
B	3852.0	D	357073	7130679	11.5	33.5	18.9	48.3	72.9	67.9	153.1	111.9	4.0	0.0	0
C	3850.0	D	357153	7130647	5.3	19.7	6.0	19.2	42.9	43.5	60.4	73.1	0.0	0.0	0
D	3841.0	B	357342	7130567	3.7	2.0	8.2	6.8	6.6	1.4	23.7	1.8	0.0	0.0	71
E	3823.0	D	357723	7130425	3.4	7.4	2.8	7.0	20.0	30.1	22.9	33.5	2.9	10.0	4 64
F	3811.0	B	357911	7130363	8.3	6.6	1.2	2.5	15.4	17.3	6.0	22.8	8.5	21.0	0 0
G	3784.0	S?	358350	7130196	0.8	4.9	0.3	7.7	6.5	22.3	25.0	52.5	0.6	0.0	0
H	3753.0	S	358555	7130111	0.4	0.8	0.3	1.9	0.5	3.9	0.7	17.3	0.0	0.0	0
I	3607.0	D	360805	7129218	8.3	10.9	13.6	15.1	26.3	19.7	50.8	34.7	0.0	3.6	0
J	3603.0	D	360866	7129215	9.4	9.6	2.5	3.5	20.9	17.9	10.3	14.1	7.6	12.0	9 21
K	3595.0	D	361056	7129188	1.3	2.4	8.8	8.8	13.0	14.9	26.0	22.1	0.0	0.0	0
L	3591.0	D	361149	7129150	4.9	6.6	1.9	3.8	12.9	14.9	12.3	22.4	4.1	40.0	2 26
M	3569.0	D	361529	7129024	34.5	25.1	40.2	45.0	71.6	39.3	138.1	71.5	17.0 6	0.0	0
N	3567.0	D	361564	7129014	32.0	24.6	33.2	30.4	69.9	38.5	100.7	51.0	18.0 5	0.0	0
LINE 10520															
A	6583.0	B	357181	7130741	8.6	28.7	6.0	27.6	63.5	54.9	102.2	92.2	2.6	0.0	0
B	6572.0	B?	357448	7130660	4.4	1.7	1.7	3.3	6.4	5.5	13.8	28.8	0.0	0.0	55
C	6540.0	B	358057	7130463	7.5	6.6	6.0	10.9	15.0	14.8	36.1	33.0	6.7	17.0	0 98
D	6470.0	S	358629	7130238	0.3	0.9	0.2	1.4	0.5	2.9	1.5	12.7	0.0	0.0	0
E	6333.0	D	360237	7129674	0.9	3.3	0.4	2.6	6.6	13.2	8.1	16.8	0.0	0.0	0
F	6308.0	D	360614	7129499	4.6	2.5	1.4	1.6	5.4	3.8	5.6	1.7	0.0	0.0	16
G	6268.0	B	361081	7129340	0.9	3.9	2.9	5.5	8.8	7.0	14.6	12.6	1.8	16.0	5 16
H	6236.0	B	361648	7129133	123.6	67.1	166.8	110.9	204.0	74.9	359.6	109.0	47.0 2	0.0	0
LINE 10531															
A	2566.0	D	357295	7130865	7.1	12.6	0.8	5.6	30.5	25.0	21.0	28.1	3.5	0.0	0
B	2573.0	D	357456	7130822	25.8	21.4	12.1	18.4	58.2	27.9	71.9	69.5	12.0 7	1.3	0
C	2578.0	D	357568	7130785	33.8	37.5	57.8	53.5	88.2	58.3	159.4	103.2	14.0 5	0.1	0
D	2601.0	D	358165	7130564	11.3	14.6	10.9	13.1	32.9	27.4	40.5	37.4	6.9	5.9	0
E	2607.0	B	358256	7130533	5.3	4.9	18.5	20.1	30.9	27.2	60.4	33.4	0.0	0.0	0
F	2644.0	S	358532	7130419	0.2	3.0	0.3	1.6	1.8	13.0	3.6	15.6	0.0	0.0	14
G	2672.0	B?	358908	7130302	0.3	2.4	1.1	2.8	3.1	10.9	7.7	12.8	0.0	0.0	0
LINE 10532															
A	2845.0	B?	360640	7129644	3.0	1.4	0.4	2.4	1.0	3.4	7.9	8.3	0.0	0.0	0

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EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10533															
A	2955.0	B?	361075	7129466	0.2	2.2	0.1	2.3	1.5	6.5	7.2	9.8	0.0	0.0	68
B	2996.0	D	361679	7129245	25.8	18.0	23.7	25.3	52.5	28.5	80.1	52.2	17.0	4 5.5	118
C	2999.0	D	361728	7129220	27.5	20.8	46.9	41.5	54.1	32.2	132.9	60.9	18.0	9 0.0	12
LINE 10540															
A	4976.0	D	357416	7131024	6.5	12.0	9.3	12.0	25.8	25.5	39.7	35.6	4.2	18.0	2 0
B	4966.0	B	357636	7130888	10.4	15.1	22.2	23.5	38.2	29.7	70.3	41.6	9.3	0.0	0
C	4963.0	B	357709	7130864	7.0	9.1	3.1	8.2	20.0	20.9	22.5	35.4	4.2	17.0	2 15
D	4943.0	S	358248	7130698	0.8	1.1	0.1	1.1	2.6	4.5	2.1	9.0	0.0	0.0	0
E	4871.0	D	358962	7130466	2.1	8.1	0.3	12.3	13.7	33.4	44.5	85.9	0.0	0.0	37
F	4868.0	B?	359020	7130445	0.8	6.2	0.7	12.3	11.8	26.3	44.5	86.0	0.6	0.0	15
G	4834.0	S	359759	7130128	0.8	7.5	1.9	12.9	3.7	37.5	22.7	111.6	0.0	0.0	0
H	4821.0	S	360097	7130061	5.1	7.4	6.3	6.4	5.0	33.1	6.2	43.6	0.0	0.0	15
I	4818.0	B?	360141	7130042	2.5	5.0	2.0	3.3	6.3	18.7	10.4	18.8	0.0	0.0	15
J	4810.0	B?	360242	7130005	0.2	1.5	0.6	0.0	5.3	8.1	2.7	0.1	0.0	0.0	0
K	4674.0	B	361797	7129393	30.1	27.1	46.5	27.5	74.3	31.5	96.1	14.0	20.0	5 0.0	0
L	4667.0	D	361970	7129327	32.7	17.0	49.0	24.6	74.9	24.2	91.2	20.0	38.0	8 0.0	77
LINE 10550															
A	4173.0	S	357619	7131138	5.9	0.5	2.1	1.3	2.7	4.5	2.8	10.9	0.0	44.0	0 0
B	4080.0	B?	358917	7130609	1.7	4.3	1.7	5.7	6.3	10.7	21.8	23.8	1.9	19.0	2 0
C	4058.0	S	359220	7130526	0.7	2.1	0.1	2.3	2.3	7.7	2.9	20.1	0.0	0.0	113
D	4038.0	S	359717	7130345	4.2	13.7	1.7	19.9	10.3	71.2	34.8	173.9	1.6	4.3	19
E	4024.0	B?	360135	7130185	0.9	4.2	1.5	2.9	5.9	15.1	8.5	13.8	0.0	0.0	62
F	3866.0	D	361772	7129552	106.5	70.3	155.0	91.8	186.2	49.9	294.6	95.4	42.0	0 0.0	0
G	3864.0	D	361817	7129543	73.9	40.2	100.2	48.7	117.4	23.5	158.6	33.7	49.0	0 0.0	0
H	3855.0	D	362007	7129487	25.8	15.8	31.3	34.5	77.2	45.0	107.2	58.2	19.0	1 1.3	19
LINE 10560															
A	3300.0	S	357291	7131395	0.6	1.5	0.5	1.7	0.3	7.8	3.5	14.8	0.0	0.0	59
B	3128.0	B?	358968	7130745	1.1	4.6	1.1	6.8	7.2	14.9	23.3	45.1	1.1	9.4	233
C	3103.0	B?	359264	7130650	2.9	2.2	1.1	1.1	3.1	6.9	1.5	7.3	0.0	0.0	0
D	3089.0	S	359651	7130532	8.7	7.8	1.4	10.2	5.8	38.1	17.0	89.1	5.0	29.0	6 44
E	2958.0	B?	361288	7129882	3.1	4.6	7.3	11.0	8.9	13.7	38.1	34.9	3.9	23.0	9 0
F	2918.0	D	361659	7129756	34.6	26.9	35.6	21.7	68.0	35.5	64.2	38.3	23.0	2 0.0	0
G	2909.0	D	361787	7129715	31.1	18.2	29.1	24.4	30.3	6.8	48.1	54.1	24.0	5 1.3	0

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EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
H	2904.0	B	361880	7129690	20.5	20.4	15.6	24.1	50.1	31.6	82.2	64.3	9.6	4.2	0
LINE 10570															
A	2430.0	B	358019	7131280	5.9	5.8	1.7	7.7	11.3	17.6	22.4	37.7	4.2	28.0	4 335
B	2425.0	B?	358168	7131211	2.1	3.7	1.6	4.8	3.6	15.0	12.3	30.1	0.0	0.0	4
C	2419.0	B?	358315	7131164	3.7	0.6	0.9	1.3	6.6	2.9	3.4	4.5	0.0	9.9	0
D	2390.0	B	358799	7130983	1.2	3.0	1.7	4.1	4.4	8.8	11.0	11.6	0.0	0.0	137
E	2375.0	B	359126	7130848	2.2	2.0	3.3	3.5	6.5	6.8	13.7	13.3	0.0	0.0	22
F	2364.0	S	359551	7130681	14.3	6.4	0.1	7.2	4.6	30.3	8.7	60.2	1.0	0.0	0
G	2336.0	D	360673	7130227	36.8	16.8	31.9	17.5	55.5	21.2	62.9	28.2	40.0 8	0.0	0
H	2332.0	B	360740	7130212	34.8	21.8	31.5	27.0	62.6	35.7	86.0	38.6	23.0 6	0.0	0
I	2267.0	B	361252	7130082	10.0	9.6	7.8	11.0	23.4	17.8	34.2	27.9	7.8	15.0	2 0
J	2255.0	B	361568	7129953	26.9	24.0	44.5	38.6	56.6	34.3	113.2	46.6	17.0 1	0.0	125
K	2240.0	D	361770	7129875	29.1	19.3	20.2	29.8	51.1	21.0	91.1	44.5	15.0 7	0.0	0
LINE 10580															
A	1929.0	D	358005	7131420	5.0	10.6	1.8	6.9	19.2	24.2	15.3	29.6	2.9	4.5	231
B	1952.0	B	358534	7131264	4.2	2.3	0.6	1.6	6.5	8.2	2.3	8.3	0.0	0.0	0
C	1978.0	B	358722	7131167	4.0	10.8	7.9	15.2	17.9	36.2	39.2	56.8	3.3	12.0	0 0
D	1989.0	B	358927	7131089	22.1	48.0	48.6	74.2	106.9	114.6	250.8	191.8	5.5	6.9	31
E	1998.0	D	359170	7130994	54.2	48.1	78.1	68.8	125.4	67.1	222.3	126.4	20.0 5	0.4	0
F	2047.0	D	360588	7130481	5.7	12.0	5.3	9.4	28.3	28.5	30.0	33.6	3.8	6.4	31
G	2050.0	D	360608	7130470	4.7	6.8	7.4	13.8	28.3	28.5	49.0	39.1	0.0	0.0	31
LINE 10581															
A	2099.0	B	360833	7130386	43.8	34.5	69.7	45.2	93.0	65.7	161.3	95.6	25.0 8	0.0	0
B	2133.0	B	361226	7130229	21.9	28.6	17.2	23.4	66.7	55.0	73.3	61.5	7.9	0.0	0
C	2140.0	D	361370	7130181	14.5	5.8	22.1	5.8	24.1	* 5.0	27.0	18.1	0.0	0.0	0
D	2146.0	D	361557	7130117	61.5	36.5	90.2	57.6	99.0	28.8	178.7	84.6	36.0 6	0.0	0
E	2164.0	S	362119	7129887	0.0	1.8	1.1	1.5	1.8	5.6	3.6	11.2	0.0	0.0	0
LINE 10590															
A	1754.0	B	357464	7131777	13.5	17.0	33.4	28.1	39.1	38.1	86.8	53.5	11.0 4	0.2	0
B	1751.0	B	357545	7131742	7.7	14.7	32.9	33.4	29.6	35.3	107.4	68.2	7.6	13.0	0 0
C	1702.0	B	358968	7131228	15.8	6.4	32.8	9.5	25.4	5.4	44.0	6.2	56.0 9	0.0	0
D	1697.0	D	359151	7131155	21.0	6.3	32.6	12.7	24.6	6.5	40.1	12.9	61.0 8	0.0	377
E	1694.0	B	359286	7131105	17.1	8.1	30.5	12.7	26.9	6.5	51.5	14.1	39.0 7	0.0	0
F	1689.0	B	359560	7131001	10.7	5.9	7.0	10.0	16.1	11.2	31.2	19.9	0.0	6.6	102

EM Anomaly List
Job 1316

Note: EM values are in local amplitudes

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
G	1648.0	D	360777	7130545	90.2	32.0	55.6	31.6	124.6	36.3	120.3	63.6	69.0 7	0.0	215
H	1643.0	B	360858	7130517	23.8	37.7	31.9	37.8	94.1	69.8	141.0	99.3	7.6	0.0	0
I	1632.0	B	361002	7130467	1.7	3.3	4.2	6.3	5.0	12.7	20.5	30.5	3.0	39.0	7 0
J	1609.0	B	361167	7130391	15.5	12.7	19.0	17.1	34.4	14.9	54.4	19.2	14.0 0	0.0	0
K	1600.0	B	361201	7130369	25.4	13.1	57.7	44.5	61.3	29.1	140.9	55.3	26.0 7	0.0	28
L	1584.0	D	361327	7130331	5.5	13.3	1.1	4.8	25.7	26.1	8.9	18.5	2.8	0.0	0
M	1571.0	B	361552	7130267	18.8	0.8	60.6	28.7	55.8	27.4	104.9	0.8	0.0	0.0	0
N	1568.0	B	361639	7130241	27.7	2.4	62.1	34.1	57.0	32.1	117.8	8.4	25.0 5	0.0	163
O	1566.0	D	361690	7130223	29.1	21.4	33.3	33.4	56.9	32.1	112.1	60.7	18.0 3	0.0	0
LINE 10600															
A	1117.0	B	357461	7131945	12.1	11.1	26.3	23.4	32.0	29.5	74.4	46.2	13.0 6	6.8	0
B	1126.0	D	357695	7131865	0.4	0.0	0.5	1.1	0.0	10.7	4.4	4.7	0.0	0.0	0
C	1132.0	D	357861	7131806	6.1	9.7	13.3	16.9	22.1	26.0	54.4	45.5	5.3	13.0	5 0
D	1134.0	B	357939	7131782	14.0	13.0	24.7	24.6	30.4	28.0	75.2	47.1	12.0 0	0.0	0
E	1169.0	D	359055	7131365	24.5	10.5	27.6	18.4	37.5	24.6	65.1	40.2	35.0 2	0.0	0
F	1176.0	B	359328	7131263	19.1	8.2	31.1	13.5	15.4	0.9	21.4	10.1	0.0	0.0	0
G	1180.0	D	359442	7131219	19.1	8.2	31.2	13.5	26.0	6.0	22.5	10.9	42.0 3	0.0	159
H	1210.0	S	360407	7130852	0.0	0.9	1.6	1.1	0.7	3.5	2.6	8.5	0.0	0.0	34
LINE 10601															
A	1287.0	B?	360737	7130744	3.0	2.4	6.6	7.5	7.4	7.8	17.9	30.1	7.1	34.0	8 0
LINE 10603															
A	1414.0	B?	361110	7130586	0.1	1.3	0.5	0.2	2.4	7.3	0.5	0.3	0.0	0.0	0
B	1432.0	D	361288	7130514	15.3	16.6	13.2	5.2	42.3	33.5	32.6	19.1	12.0 6	4.8	0
C	1439.0	D	361378	7130478	9.3	22.0	2.7	6.9	56.7	68.2	32.7	37.7	3.6	0.0	10
D	1457.0	B	361657	7130360	11.7	8.4	25.6	15.6	20.5	9.4	45.3	17.7	20.0 0	5.2	100
E	1465.0	D	361925	7130272	10.3	10.3	13.2	16.1	24.6	18.3	48.0	33.7	8.4	2.8	10
LINE 10610															
A	857.2	B	361725	7130517	2.8	10.9	11.6	25.9	21.6	41.8	105.9	89.8	2.8	0.3	0
B	846.5	B	361936	7130418	11.8	20.2	20.4	26.8	39.1	52.8	76.0	109.6	5.9	11.0	1 2
C	842.0	B	362064	7130369	9.5	8.4	6.7	11.0	17.4	19.2	30.2	47.6	7.8	18.0	3 0
LINE 10611															
A	1050.0	B	357622	7132048	7.1	6.0	15.5	11.1	12.4	12.9	35.1	28.2	13.0 4	2.7	9
B	1040.0	B	357994	7131917	9.3	6.0	8.4	6.8	15.6	10.6	19.9	13.1	0.0	0.6	0
C	1024.0	S	358701	7131653	5.4	5.3	1.1	7.0	11.8	17.3	22.7	35.2	3.7	26.0	4 0

Note: EM values are in local amplitudes

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
D	1021.0	B?	358853	7131593	5.6	4.6	4.1	6.4	11.8	9.2	23.5	16.8	7.3	18.0	0 13
E	1012.0	B	359289	7131432	11.0	6.7	24.1	14.9	20.4	8.0	46.8	17.0	22.0 0	0.0	13
F	959.0	D	361000	7130798	1.2	2.9	1.3	2.3	4.7	10.3	7.3	8.1	0.0	0.0	0
G	926.0	B	361415	7130656	17.2	35.7	26.6	63.7	83.9	64.0	198.5	110.0	5.4	0.0	0
LINE 10620															
A	631.8	B	357683	7132198	13.4	10.6	24.7	16.9	23.0	25.6	58.8	45.0	17.0 4	4.6	0
B	634.8	B	357771	7132172	13.4	10.6	24.7	17.2	31.1	25.6	73.8	46.6	17.0 3	0.0	0
C	661.4	S?	358678	7131845	5.1	7.4	3.4	11.6	16.6	18.9	42.7	39.2	2.7	22.0	7 89
D	668.6	B?	358920	7131759	3.6	2.9	1.1	1.3	4.9	7.3	4.3	13.2	0.0	32.0	5 0
E	672.1	B?	359024	7131713	1.2	5.3	1.4	6.2	9.5	17.5	20.1	37.2	1.2	2.4	0
F	680.0	B?	359248	7131624	0.3	0.2	0.5	2.1	0.2	0.4	6.0	8.5	0.0	0.0	21
G	694.0	S	359680	7131452	1.1	2.0	1.1	3.4	4.2	6.9	12.7	14.6	0.0	0.0	31
H	739.4	D	361081	7130932	16.9	16.4	13.8	20.8	38.7	25.2	61.3	41.5	9.2	2.9	0
I	752.2	D	361311	7130854	13.3	15.3	7.3	3.9	34.7	33.6	10.2	19.3	9.5	19.0	7 9
J	756.4	D	361378	7130820	13.4	31.3	5.6	19.6	59.1	70.4	61.0	102.4	3.9	3.0	24
K	771.4	D	361567	7130736	5.2	7.3	5.4	6.2	13.2	12.2	11.1	7.8	0.0	18.0	1 0
L	781.2	D	361746	7130671	4.1	8.0	5.1	6.5	16.0	12.1	22.4	15.6	3.2	13.0	7 0
M	788.0	B	361939	7130642	3.5	3.2	9.6	8.9	9.5	3.9	27.3	14.7	0.0	0.0	0
N	792.3	B	362090	7130603	8.1	11.2	8.3	15.7	28.8	25.3	58.8	42.9	4.5	2.0	83
O	797.5	D	362296	7130525	0.6	1.2	7.4	10.1	21.4	18.4	38.2	27.6	0.0	0.0	0
LINE 10630															
A	5925.0	B	357763	7132329	4.6	2.6	4.2	4.0	6.8	2.4	15.6	21.5	0.0	23.0	3 23
B	5909.0	D	358438	7132094	15.7	13.4	31.3	32.1	31.8	24.3	98.5	45.4	13.0 1	0.0	361
C	5906.0	B	358539	7132064	15.7	12.5	31.2	30.4	31.9	12.0	92.5	18.4	14.0 0	0.0	0
D	5901.0	D	358772	7131989	6.9	6.6	7.4	6.5	19.9	12.8	26.1	14.2	0.0	7.6	0
E	5892.0	B	359181	7131829	4.0	3.3	2.1	3.3	7.7	8.6	12.5	18.0	0.0	0.0	23
F	5878.0	S	359856	7131561	0.9	2.6	1.5	2.2	1.0	9.6	4.0	18.3	0.0	0.0	0
G	5836.0	D	361303	7131014	18.0	18.4	16.2	22.9	46.1	34.9	75.1	43.5	9.3	0.0	120
H	5823.0	D	361513	7130941	8.8	12.8	2.1	8.6	27.8	35.3	24.1	45.0	3.6	16.0	0 0
I	5786.0	B	361828	7130796	9.7	6.5	15.4	11.9	36.4	29.7	40.8	34.4	16.0 1	11.	8 0
J	5780.0	D	361907	7130763	13.5	15.2	6.5	45.9	37.4	52.8	130.4	81.8	6.5	0.0	0
K	5777.0	D	361981	7130738	14.7	27.8	15.8	31.5	61.8	52.8	96.5	80.7	4.1	8.0	0
L	5765.0	B	362402	7130663	1.6	2.8	9.1	2.3	4.0	5.0	3.5	13.9	0.0	0.0	43
LINE 10640															

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EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
A	5552.0	S	358029	7132383	4.4	1.9	0.2	2.5	1.5	8.8	2.9	15.4	0.0	41.0	5 0
B	5563.0	D	358457	7132231	25.9	19.0	25.1	34.6	55.2	27.5	108.0	54.3	14.0 5	0.0	347
C	5569.0	D	358650	7132160	14.7	7.9	26.3	11.2	21.3	2.2	37.3	6.0	32.0 9	0.0	0
D	5574.0	D	358807	7132097	14.6	13.0	30.8	21.3	35.3	22.1	73.6	29.4	16.0 7	0.0	27
E	5578.0	D	358944	7132048	7.0	7.9	12.1	13.8	33.5	18.1	52.1	40.8	7.4	10.0	3 0
F	5590.0	B	359293	7131919	5.0	7.3	4.3	6.9	13.6	15.2	20.9	24.0	4.2	14.0	0 0
G	5660.0	B?	361535	7131084	1.7	2.3	0.1	2.7	5.8	8.8	8.7	16.4	0.0	0.0	27
H	5674.0	B?	361686	7131039	0.1	2.0	0.6	3.1	0.4	7.9	9.1	16.2	0.0	0.0	3
I	5698.0	B	361961	7130929	2.1	5.5	11.4	11.1	9.9	7.4	31.6	11.2	4.3	15.0	2 27
J	5714.0	B	362375	7130777	1.4	0.6	4.7	2.7	1.7	2.6	9.7	6.3	0.0	0.0	4
LINE 10650															
A	5410.0	B	358641	7132335	47.8	23.0	80.7	44.9	74.0	28.1	160.7	63.1	44.0 2	0.0	0
B	5404.0	B	358907	7132231	11.1	11.3	21.4	17.2	27.0	25.1	63.5	41.0	12.0 2	0.0	0
C	5392.0	B	359402	7132064	6.0	4.3	2.8	2.7	11.0	10.2	10.0	21.2	0.0	14.0	5 153
D	5347.0	D	361220	7131353	5.2	4.3	15.7	8.4	10.4	4.7	28.3	11.3	0.0	14.0	7 24
E	5332.0	S	361696	7131189	1.3	3.5	0.1	2.5	4.3	13.4	0.2	21.0	0.0	0.0	0
F	5296.0	S?	362239	7130981	0.0	2.9	5.9	7.2	8.1	5.5	27.9	34.9	2.4	17.0	8 24
G	5287.0	B	362488	7130887	8.1	6.1	16.6	10.2	18.0	9.1	24.6	2.5	0.0	0.0	0
LINE 10660															
A	5030.0	B	357819	7132795	28.7	32.0	33.9	49.9	79.2	63.9	161.4	123.1	9.8	0.0	0
B	5063.0	D	358869	7132402	12.1	10.9	13.6	14.5	28.3	26.9	51.9	36.6	10.0 6	8.8	57
C	5067.0	D	358978	7132358	12.6	18.4	19.8	26.9	39.5	51.1	90.2	90.8	6.4	11.0	5 0
D	5073.0	D	359135	7132293	12.9	10.0	11.6	12.6	23.6	17.0	41.0	42.7	12.0 2	0.0	0
E	5096.0	D	359572	7132175	1.9	7.1	1.0	3.2	14.8	15.1	8.0	23.3	0.0	0.0	0
F	5117.0	S	360152	7131943	0.5	0.9	0.2	1.5	1.6	3.5	2.4	10.5	0.0	0.0	0
G	5210.0	S	362015	7131225	1.4	1.5	1.0	2.8	2.4	7.1	6.0	20.4	0.0	0.0	0
H	5230.0	B	362531	7131023	5.0	2.3	5.1	5.0	7.3	4.7	13.8	13.3	0.0	0.0	13
LINE 10670															
A	4977.0	B	357845	7132930	29.6	25.2	29.1	34.2	58.5	37.4	108.8	60.4	14.0 2	0.0	0
B	4975.0	D	357930	7132895	29.6	24.7	25.9	28.8	50.0	25.6	92.4	53.5	18.0 7	0.0	0
C	4949.0	D	358996	7132489	23.1	17.9	20.7	20.3	43.9	22.0	64.9	32.7	15.0 8	0.0	0
D	4923.0	D	359617	7132273	4.1	11.7	2.6	8.2	24.5	23.8	27.5	23.9	2.4	0.0	25
E	4866.0	S	361132	7131699	0.1	1.0	0.2	1.2	1.0	2.8	0.3	7.9	0.0	0.0	0
F	4790.0	S	362349	7131262	0.4	2.5	0.1	3.0	2.3	6.1	9.0	23.2	0.0	0.0	25

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EM Anomaly List
Job 1316

** estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects*

Label	Fid	Interp	XUTM m	YUTM m	COAXIAL 1053 Hz Real ppm	COAXIAL 1053 Hz Quad ppm	COPLANAR 881 Hz Real ppm	COPLANAR 881 Hz Quad ppm	COAXIAL 5485 Hz Real ppm	COAXIAL 5485 Hz Quad ppm	COPLANAR 7327 Hz Real ppm	COPLANAR 7327 Hz Quad ppm	Vertical Dike Cond S	Vertical Dike Depth m	Magnetic Correlation nT
LINE 10681															
A	3171.0	B	357969	7133049	15.3	14.9	21.5	20.9	36.7	27.4	60.9	42.9	11.0	7 0.6	64
B	3174.0	D	358064	7133013	15.5	17.6	22.0	22.4	39.4	32.0	65.1	51.4	10.0	0 6.0	61
C	3176.0	D	358162	7132977	14.5	17.6	19.4	19.3	35.6	34.9	63.1	66.5	9.2	5.1	32
D	3236.0	S?	359301	7132554	1.9	1.8	1.0	1.9	0.2	7.7	2.7	15.1	0.0	0.0	0
E	3261.0	D	359709	7132408	1.6	5.4	0.1	2.0	9.5	15.6	3.1	12.3	0.0	0.0	32
F	3428.0	S	362550	7131370	0.2	1.3	1.3	1.1	1.1	3.4	3.4	5.5	0.0	0.0	0
LINE 10690															
A	4338.0	B	358044	7133166	21.5	21.2	29.9	29.6	49.8	26.7	96.1	54.2	12.0	9 0.0	0
B	4136.0	S	362233	7131654	1.8	1.3	1.6	1.0	1.2	5.2	3.8	9.0	0.0	0.0	0
LINE 10701															
A	3121.0	D	357986	7133387	20.2	23.5	29.8	36.2	57.5	37.7	108.1	41.6	9.7	0.0	58
B	3086.0	B	359037	7133003	5.5	2.5	1.9	1.4	7.6	6.0	7.3	6.0	20.0	0 6.9	0
C	2818.0	S	362628	7131644	1.0	1.1	1.8	2.7	1.8	6.8	9.6	22.2	0.0	0.0	0
LINE 10710															
A	3727.0	B	358121	7133515	7.3	8.5	8.6	14.0	19.8	18.3	45.2	32.5	5.6	4.2	0
B	3693.0	B	359069	7133111	2.4	1.4	1.0	1.2	3.8	2.6	5.1	5.0	0.0	0.0	0
LINE 10720															
A	3170.0	D	358185	7133629	7.4	12.7	6.0	15.8	27.1	38.6	47.2	59.9	0.0	19.0	8 0
B	3174.0	B	358268	7133601	9.3	11.0	8.8	19.6	25.0	24.1	60.8	63.3	4.9	5.0	0
C	3179.0	B	358380	7133572	6.2	8.8	4.8	7.4	20.8	19.0	23.3	18.8	4.5	15.0	6 0
D	3201.0	B?	358930	7133371	0.5	1.4	4.1	1.4	0.8	3.4	4.8	4.2	0.0	0.0	0
E	3217.0	B	359552	7133128	27.5	23.8	41.2	34.8	57.2	36.2	115.1	60.6	17.0	3 0.0	40
F	3223.0	D	359750	7133069	9.9	8.7	25.7	14.6	30.8	19.0	67.3	18.1	17.0	4 0.0	37
G	3345.0	S?	361193	7132501	0.8	1.0	0.3	1.5	0.5	2.7	2.1	10.2	0.0	0.0	0
H	3362.0	S	361458	7132395	1.5	2.2	1.8	1.6	5.6	8.5	2.7	12.3	0.0	0.0	0
LINE 10730															
A	3080.0	B	358330	7133754	8.3	12.0	3.7	13.8	22.8	29.4	47.2	57.7	3.2	14.0	9 0
B	3054.0	B?	359116	7133454	1.0	1.4	2.6	1.8	2.3	1.9	5.1	2.2	0.0	0.0	0
C	3031.0	B	359864	7133158	6.4	3.2	4.5	4.3	9.1	6.9	11.4	8.9	0.0	0.0	0
D	2858.0	S	361610	7132510	1.2	0.7	0.0	1.1	1.2	3.8	1.2	7.8	0.0	0.0	0
E	2773.0	S	362750	7132071	1.1	2.2	0.5	2.3	1.8	6.6	5.3	16.6	0.0	0.0	14
LINE 10740															
A	2471.0	D	358385	7133863	5.1	12.0	0.9	9.7	24.3	28.1	36.2	47.0	2.4	0.0	63

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EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
B	2520.0	B?	359513	7133464	9.7	2.3	1.0	2.7	3.1	3.8	7.0	4.1	36.0 7	28.	9 0
C	2535.0	S	360178	7133159	6.3	0.4	1.5	1.3	1.8	4.3	2.8	8.9	0.0	0.0	0
D	2649.0	S?	361751	7132595	1.5	1.9	0.9	2.6	4.3	8.7	2.4	19.1	0.0	0.0	0
E	2662.0	B	362139	7132477	2.6	4.1	2.1	3.3	10.0	8.0	12.3	12.7	0.0	0.0	0
F	2724.0	S	362938	7132161	1.1	3.8	0.2	4.7	4.9	12.9	12.9	22.8	0.0	0.0	0
LINE 10750															
A	2395.0	D	358557	7134010	1.3	4.3	0.8	3.2	8.4	15.2	7.0	18.4	0.0	0.0	75
B	2250.0	S	361342	7132927	2.5	2.2	0.4	3.0	2.5	10.9	8.1	24.2	0.0	0.0	11
C	2223.0	S	362116	7132620	0.3	1.6	0.5	2.4	2.5	6.8	5.1	17.3	0.0	0.0	11
D	2186.0	D	362651	7132442	2.2	2.0	0.4	1.1	5.8	8.6	1.8	21.2	0.0	0.0	1
E	2174.0	S	362974	7132328	1.1	7.5	2.6	9.5	9.9	25.3	27.0	41.2	1.2	0.0	0
LINE 10760															
A	1952.0	S	358529	7134152	0.1	2.6	0.5	4.0	0.7	11.2	10.9	27.4	0.0	0.0	9
B	1956.0	D	358629	7134104	2.0	4.0	0.6	4.0	6.3	15.9	10.9	27.4	0.0	0.0	0
C	2092.0	S	361787	7132931	1.2	1.0	0.4	0.7	0.3	3.5	0.8	5.1	0.0	0.0	0
D	2104.0	S	362194	7132788	0.4	2.5	0.6	2.6	1.7	9.8	7.3	15.6	0.0	0.0	4
E	2118.0	B	362724	7132579	5.7	4.4	3.9	0.1	6.6	16.3	5.2	33.6	16.0 0	21.	8 0
LINE 10770															
A	1846.0	S	358573	7134294	0.1	2.2	1.8	3.3	0.2	8.7	6.8	21.0	0.0	0.0	6
B	1693.0	B	362793	7132674	6.9	6.6	14.0	14.4	14.9	6.3	36.4	31.8	9.2	21.0	5 6
C	1686.0	B	363041	7132621	4.7	2.3	4.9	3.0	7.5	2.1	11.5	1.5	0.0	13.0	2 6
LINE 10780															
A	1420.0	B	358444	7134454	2.2	2.3	0.8	1.3	5.0	3.3	4.3	8.9	0.0	0.0	0
B	1516.0	B?	360320	7133781	0.2	1.8	0.7	4.0	0.5	6.2	12.0	27.3	0.0	0.0	105
C	1552.0	S	361139	7133476	1.2	0.5	1.9	0.6	0.3	3.0	0.2	5.7	0.0	0.0	0
D	1606.0	S	362192	7133077	0.3	1.9	1.1	3.3	2.4	10.7	12.6	29.0	0.0	0.0	0
E	1630.0	B	362992	7132787	23.0	13.8	54.7	25.0	38.2	17.2	93.7	23.3	35.0 9	0.0	0
LINE 10790															
A	1357.0	B	358444	7134642	8.3	8.9	4.2	9.9	18.4	13.7	35.1	28.4	5.4	17.0	1 28
B	1352.0	D	358550	7134597	6.6	8.4	12.8	15.2	21.8	12.5	43.8	8.2	6.6	0.7	0
C	1200.0	S	360533	7133884	2.3	0.8	1.0	1.3	1.9	4.9	1.0	10.3	0.0	0.0	0
D	1089.0	B?	362325	7133212	1.9	4.8	1.5	10.6	6.1	25.4	35.3	87.9	1.6	2.6	0
E	1054.0	D	363131	7132882	14.0	11.7	0.2	5.4	28.5	18.3	16.2	24.3	8.6	5.7	0

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EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
LINE 10800															
A	553.3	D	358706	7134697	3.4	11.0	6.7	14.5	22.1	29.2	45.5	54.5	0.0	0.0	0
B	594.0	B	359100	7134582	0.8	2.8	1.4	4.4	4.7	10.2	9.3	17.9	0.0	0.0	0
C	610.0	B?	359509	7134472	2.8	3.7	2.4	9.7	8.7	15.6	27.1	44.6	0.0	0.0	0
D	769.0	S	360516	7134015	0.5	1.4	0.5	1.1	1.3	6.5	0.1	8.1	0.0	0.0	0
LINE 10801															
A	850.0	S	361126	7133792	3.4	0.6	2.0	0.5	1.2	3.3	0.8	6.0	0.0	0.0	5
B	935.1	B	362404	7133322	1.6	7.9	5.2	10.6	13.5	21.8	35.6	37.1	2.1	0.0	9
C	960.0	B?	363158	7133042	1.5	1.6	1.6	1.7	1.1	6.0	6.0	7.0	0.0	0.0	0
LINE 10810															
A	2269.0	B	358676	7134874	0.9	3.3	4.2	7.9	7.0	8.6	24.4	18.9	2.2	0.0	0
B	2305.0	B?	359130	7134687	0.0	3.4	1.9	9.8	4.8	15.2	27.6	45.8	0.6	0.0	0
C	2322.0	S	359534	7134561	2.2	1.2	0.9	2.7	4.4	4.6	5.6	21.9	0.0	0.0	18
LINE 10811															
A	2675.0	B?	362459	7133437	2.9	5.4	0.7	8.7	12.7	19.8	26.4	47.0	2.0	2.8	12
B	2689.0	S	362985	7133257	2.6	2.6	1.4	3.5	2.7	9.0	8.3	21.6	0.0	0.0	12
LINE 10820															
A	662.6	S	359045	7134902	0.1	2.9	0.3	3.7	1.3	11.4	7.6	26.2	0.0	0.0	10
B	422.0	S	362082	7133775	-1.6	1.7	0.2	1.6	2.7	6.0	1.8	11.4	0.0	0.0	0
C	364.0	B?	363025	7133395	-3.7	0.2	3.7	7.5	3.2	20.7	10.1	43.2	0.0	0.0	0
D	360.3	S	363163	7133347	1.5	5.8	2.6	7.9	4.1	22.7	13.7	52.6	0.0	11.0	6 21
LINE 10830															
A	89.0	S	359046	7135041	0.0	2.5	0.3	3.0	0.9	11.3	4.9	23.2	0.0	0.0	54
B	153.0	S	360002	7134706	1.6	1.2	0.9	1.0	2.0	5.5	0.4	8.7	0.0	0.0	0
C	284.0	S	362242	7133874	1.6	1.9	0.3	2.5	1.7	9.1	3.4	21.5	0.0	0.0	0
D	300.7	B	362773	7133681	4.3	3.5	5.9	5.8	6.6	6.7	18.5	8.9	0.0	0.0	0
E	308.4	S	363078	7133566	1.1	4.4	1.9	4.0	6.7	24.2	16.7	52.7	0.4	0.0	20
LINE 10840															
A	2180.0	S	359037	7135208	0.9	1.9	1.6	2.6	2.5	10.0	4.6	22.8	0.0	0.0	0
B	2034.0	S	360423	7134710	3.6	0.4	1.3	0.4	1.8	3.7	2.4	2.7	0.0	73.0	1 0
C	1907.0	S	362350	7134006	0.2	1.3	0.7	2.1	1.9	7.0	6.4	11.1	0.0	0.0	21
D	1894.0	D	362768	7133829	12.2	9.6	16.6	19.6	24.2	16.6	57.6	21.6	11.0 3	0.0	122
E	1892.0	D	362867	7133795	12.2	9.6	16.6	19.6	24.2	16.0	57.6	21.6	10.0 0	0.0	21
F	1883.0	S?	363232	7133657	1.1	5.9	2.6	12.3	14.7	29.7	49.8	65.9	1.1	0.0	11

EM Anomaly List
Job 1316

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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
LINE 10850															
A	2605.0	S	359102	7135321	3.2	0.3	2.7	1.1	2.0	4.2	3.4	12.7	0.0	37.0	7 0
B	2730.0	S	360162	7134944	0.7	1.0	0.5	0.6	0.4	6.2	0.0	7.7	0.0	0.0	0
C	2871.0	S	362411	7134123	0.6	3.8	0.9	3.9	4.3	17.3	9.6	27.7	0.0	0.0	0
D	2893.0	B	362838	7133971	6.3	19.3	13.8	31.6	41.4	37.2	104.1	73.5	3.5	0.0	212
E	2911.0	B	363421	7133741	1.4	5.3	2.6	5.9	10.5	17.4	18.9	40.8	2.1	5.7	0
LINE 10860															
A	2471.0	S	359269	7135468	2.4	2.1	3.0	1.9	3.3	7.7	6.1	17.0	0.0	0.0	0
B	2337.0	S	360873	7134877	1.1	7.8	0.3	10.1	0.4	38.5	1.9	91.7	0.0	8.4	63
C	2308.0	S	361547	7134617	4.3	2.1	2.2	3.0	1.2	11.8	1.2	25.8	0.0	34.0	6 0
D	2172.0	B?	362911	7134113	6.4	4.8	0.4	4.5	9.0	14.0	13.8	25.8	6.6	24.0	3 0
E	2157.0	S?	363490	7133901	0.5	3.4	0.8	4.1	6.9	14.1	9.8	27.9	0.0	0.0	25
LINE 10870															
A	1812.0	S	358979	7135737	1.6	1.4	1.5	1.5	3.2	3.7	8.9	26.4	0.0	0.0	0
B	1966.0	S	360942	7135012	0.6	2.5	0.1	2.1	0.8	7.7	3.0	17.8	0.0	0.0	0
C	2004.0	S	361706	7134674	3.3	1.7	1.7	3.0	1.1	10.9	1.5	26.5	0.0	43.0	7 0
D	2032.0	D	362106	7134550	1.9	1.4	2.3	5.2	3.1	1.4	13.3	18.7	0.0	0.0	0
E	2037.0	D	362173	7134520	5.6	8.6	5.8	9.9	18.0	15.5	27.7	24.6	3.9	18.0	3 0
F	2096.0	S?	363285	7134090	0.8	0.6	0.5	1.6	2.0	3.2	2.4	9.6	0.0	0.0	0
G	2110.0	S?	363559	7133989	0.8	1.8	0.3	2.4	3.6	7.9	3.2	16.8	0.0	0.0	0
LINE 10880															
A	1750.0	S	358914	7135922	1.6	3.6	0.2	4.5	4.3	15.3	10.8	30.2	0.0	0.0	36
B	1739.0	S	359306	7135741	1.6	2.5	1.7	2.2	2.7	9.2	6.5	17.2	0.0	0.0	0
C	1647.0	B?	360407	7135362	0.4	2.4	0.0	1.0	4.7	7.1	2.7	1.3	0.0	0.0	0
D	1606.0	S	361005	7135162	1.6	2.1	2.3	1.6	4.0	7.8	1.7	15.1	0.0	0.0	0
E	1543.0	S	361914	7134802	0.0	4.8	0.4	8.2	4.7	12.7	23.3	21.8	0.5	0.0	59
F	1495.0	S?	363150	7134351	1.8	1.8	1.1	0.4	3.3	5.6	2.9	1.2	0.0	0.0	102
G	1483.0	S?	363484	7134240	0.5	3.8	1.0	5.2	4.2	17.4	13.2	37.7	0.0	1.7	94
LINE 10890															
A	1181.0	S	359071	7136010	0.4	4.0	0.3	3.9	4.8	17.6	11.2	28.3	0.0	0.0	0
B	1261.0	D	360511	7135509	1.9	4.2	1.5	5.3	11.5	13.1	19.2	26.3	0.0	0.0	0
C	1330.0	B?	361578	7135099	0.3	4.5	0.9	6.9	7.1	23.1	31.2	45.9	0.5	0.0	0
D	1347.0	S	361933	7134987	0.3	1.7	1.0	5.4	0.1	8.6	8.4	37.7	0.0	0.0	0
E	1360.0	B	362409	7134798	4.5	2.6	6.0	4.3	9.5	1.5	17.0	3.6	0.0	19.0	4 0

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EM Anomaly List
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Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
F	1384.0	B?	363290	7134414	3.9	3.1	1.6	1.0	3.7	10.0	0.2	11.0	0.0	0.0	0
LINE 10900															
A	1100.0	S	359620	7135972	0.4	3.0	0.5	2.8	1.0	12.9	2.7	24.5	0.0	0.0	46
B	1086.0	S	359942	7135836	0.7	2.1	0.2	2.3	2.3	12.3	0.4	19.0	0.0	0.0	0
C	947.0	S	362080	7135046	0.0	0.8	0.5	1.5	2.0	5.0	2.5	11.1	0.0	0.0	461
D	906.0	B?	363324	7134577	1.9	2.3	1.0	3.5	3.2	10.2	4.2	23.7	0.0	0.0	0
LINE 10911															
A	1504.0	S	359722	7136080	0.1	2.3	0.0	2.5	0.3	12.7	3.2	22.6	0.0	0.0	0
B	1544.0	S	360371	7135851	0.5	1.9	0.3	1.8	1.0	7.0	3.6	14.9	0.0	0.0	0
C	1562.0	S	360940	7135630	0.9	1.4	0.1	1.3	0.4	4.8	1.1	11.2	0.0	0.0	0
D	1674.0	B	362669	7135002	3.7	3.0	2.7	5.4	8.2	8.3	18.2	17.9	5.4	30.0	0 105
LINE 10920															
A	1400.0	S	359235	7136438	1.0	0.9	0.8	1.5	0.9	4.7	4.9	9.7	0.0	0.0	0
B	1237.0	S	361025	7135725	0.6	1.6	1.9	1.3	1.1	6.6	1.4	12.6	0.0	0.0	54
C	1200.0	S	361641	7135542	0.6	0.2	1.0	0.1	1.0	0.0	1.1	0.1	0.0	0.0	90
D	1126.0	B	362301	7135301	2.2	0.9	2.5	2.7	3.7	1.8	11.8	2.3	0.0	0.0	18
E	1109.0	B	362881	7135087	4.6	6.2	3.1	9.4	10.1	17.8	38.5	37.3	0.0	22.0	6 99
F	1092.0	S	363546	7134810	0.2	2.2	0.0	1.9	0.9	7.1	3.4	13.8	0.0	0.0	0
LINE 10930															
A	682.0	S	359867	7136326	0.0	0.5	0.3	1.1	0.6	2.5	1.2	11.1	0.0	0.0	0
B	756.0	S	361102	7135895	1.9	2.6	1.4	2.7	1.0	10.7	3.1	20.0	0.0	0.0	0
C	880.4	B?	362492	7135368	2.5	2.0	1.8	3.8	4.7	5.7	15.2	10.7	1.0	0.0	11
D	888.0	B	362818	7135258	2.0	0.3	2.3	1.7	2.0	4.9	0.2	12.5	0.0	0.0	0
TIE 19010															
A	578.0	S?	354925	7123433	1.9	1.6	2.7	0.5	3.4	9.3	4.7	5.2	0.0	0.0	51
B	521.0	S	355112	7123960	0.8	2.3	0.9	1.9	1.3	9.8	1.9	7.4	0.0	0.0	42
C	487.0	S	355530	7125144	3.9	2.2	0.3	2.1	3.2	7.2	4.1	16.7	0.0	0.0	0
D	339.1	D	356141	7126729	4.8	4.9	4.4	6.9	11.2	17.9	15.5	36.8	0.0	38.0	5 13
E	320.0	D	356251	7127039	6.0	4.4	0.1	0.8	10.7	6.1	0.1	4.4	9.8	40.0	2 0
F	295.5	D	356318	7127326	17.6	20.5	9.5	21.0	47.9	43.2	69.9	62.5	6.6	2.3	0
G	281.3	D	356487	7127697	7.5	5.6	7.3	6.7	17.2	8.1	22.8	17.2	0.0	16.0	5 0
H	277.3	D	356532	7127832	9.0	6.8	4.7	2.6	19.3	20.2	14.1	6.5	0.0	16.0	6 42
I	274.0	D	356572	7127942	5.3	7.4	29.9	15.4	15.6	20.2	61.1	22.0	0.0	0.0	151
J	265.8	B	356667	7128159	69.8	20.3	70.9	20.0	90.1	10.6	98.1	12.5	114.0 .9	0.0	0

EM Anomaly List
Job 1316

Note: EM values are in local amplitudes

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
K	254.0	B	356723	7128310	54.2	11.6	75.3	12.9	57.6	12.7	91.5	18.2	149.0 .5	0.3	0
L	246.6	D	356766	7128418	84.5	21.6	71.0	29.2	96.7	24.1	113.3	35.0	108.0 .8	0.0	622
M	238.0	D	356840	7128610	20.5	3.1	34.7	7.7	20.3	5.0	45.4	8.1	123.0 .4	11.	2 0
N	230.9	B	356885	7128779	10.4	5.3	25.5	13.7	10.3	24.0	36.6	34.9	0.0	5.6	42
O	222.0	D	356955	7128956	20.6	29.4	20.6	44.7	70.6	74.3	163.7	119.6	5.5	0.9	0
P	170.8	B	357133	7129355	36.0	18.8	70.0	41.2	54.3	20.8	130.0	32.3	36.0 9	0.0	0
Q	168.3	D	357152	7129403	30.1	18.4	22.7	19.7	54.0	24.2	60.4	23.7	23.0 1	0.0	42
R	158.0	D	357291	7129782	0.7	0.6	3.0	7.5	2.9	13.1	19.0	24.6	0.0	0.0	0
S	154.5	D	357339	7129915	2.1	3.9	2.7	6.3	9.4	16.5	16.8	30.0	0.0	0.0	0
T	148.3	B	357416	7130146	38.2	23.1	68.5	44.0	65.4	25.0	132.2	34.7	31.0 5	0.0	42
U	145.5	D	357452	7130252	39.9	20.5	26.1	30.4	58.4	16.7	94.8	34.7	25.0 6	0.0	0
V	126.5	B	357689	7130873	6.8	13.9	13.8	24.8	29.6	32.8	71.4	58.6	3.4	12.0	8 0
TIE 19011															
A	1657.0	S	359086	7134751	3.7	2.8	1.8	3.2	7.5	9.3	11.4	13.5	0.0	0.0	0
TIE 19012															
A	293.0	D	357885	7131542	4.8	15.7	0.6	4.7	28.8	44.9	9.6	29.9	2.0	8.2	0
B	272.0	D	357941	7131694	6.5	7.3	11.6	11.4	15.6	11.3	36.6	15.2	8.1	11.0	4 33
C	259.0	B	357975	7131765	3.2	2.8	8.5	6.2	6.0	7.1	18.3	8.1	0.0	0.0	33
D	242.8	D	358008	7131864	43.4	26.1	17.7	16.1	66.0	15.1	57.0	32.9	26.0 5	0.0	0
E	227.9	B	358107	7132137	6.2	6.0	3.3	5.1	13.7	18.8	11.8	31.7	0.0	23.0	9 0
TIE 19020															
A	642.0	S?	358987	7122861	0.0	1.4	1.1	1.2	0.7	7.6	1.5	10.1	0.0	0.0	0
B	706.0	S	359426	7124204	0.1	1.2	0.0	1.9	3.5	6.4	6.3	15.8	0.0	0.0	0
C	744.0	S	359757	7125085	0.1	1.0	0.4	1.8	0.2	4.8	0.9	16.1	0.0	0.0	0
D	814.0	D	360233	7126323	3.5	5.7	3.1	4.2	14.2	16.0	14.2	11.7	0.0	0.0	697
E	822.9	D	360277	7126462	15.6	12.8	5.2	16.5	34.2	3.3	50.2	16.3	13.0 1	10.	8 0
F	827.5	B	360308	7126553	8.1	17.1	7.1	21.0	45.2	43.8	83.3	87.5	3.7	0.0	0
G	833.6	D	360362	7126731	55.7	28.2	43.0	26.4	78.9	32.9	84.6	49.8	41.0 3	0.0	413
H	837.5	B	360407	7126858	36.7	11.7	64.9	26.4	43.9	32.9	90.6	47.7	69.0 5	0.0	31
I	907.0	D	360661	7127467	1.6	3.0	1.1	3.6	7.9	10.5	11.2	13.4	0.0	0.0	0
J	923.7	D	360719	7127611	39.3	15.9	18.9	17.6	58.5	17.0	55.7	25.2	36.0 1	0.0	86
K	932.6	D	360756	7127732	131.6	94.8	114.8	94.4	244.1	105.7	284.8	129.8	33.0 0	0.0	31
L	1035.0	D	360994	7128488	10.5	7.6	5.9	5.4	23.7	10.2	20.0	8.4	13.0 3	12.	3 0
M	1041.0	D	361071	7128666	19.8	15.9	23.2	22.3	38.4	20.2	71.2	46.3	14.0 6	1.2	0

EM Anomaly List
Job 1316

Note: EM values are in local amplitudes

* estimated depth may be unreliable because the *stronger* part of the source may be away from the line, or a shallow dip or other effects

Label	Fid	Interp	XUTM	YUTM	COAXIAL 1053 Hz		COPLANAR 881 Hz		COAXIAL 5485 Hz		COPLANAR 7327 Hz		Vertical Dike		Magnetic
					Real	Quad	Real	Quad	Real	Quad	Real	Quad	Cond	Depth	Correlation
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	S	m	nT
N	1046.0	D	361143	7128780	19.4	10.9	30.8	22.9	34.3	8.4	77.1	37.3	23.0 6	0.0	0
O	1055.0	D	361208	7128893	7.9	9.3	0.1	2.6	22.8	16.5	12.2	22.3	4.9	28.0	8 18
TIE 19021															
A	1114.0	B?	361237	7129057	0.3	2.9	2.4	1.9	5.4	8.7	8.0	14.6	0.0	0.0	0
B	1210.0	D	361575	7129895	13.5	6.3	14.5	9.7	22.4	11.4	32.3	10.5	25.0 8	0.0	152
C	1214.0	D	361589	7129949	61.8	38.8	25.0	25.6	114.1	52.8	73.6	25.7	26.0 6	0.0	0
D	1219.0	D	361601	7130048	32.2	68.0	45.6	86.3	132.0	112.1	264.0	194.1	7.1	0.0	0
E	1224.0	D	361632	7130179	18.1	15.1	15.2	22.3	129.4	119.1	73.5	186.5	11.0 4	0.0	0
F	1228.0	D	361673	7130313	29.1	8.6	27.6	21.7	23.0	15.3	66.1	14.3	41.0 6	0.0	194
G	1238.0	D	361767	7130546	9.4	20.8	7.7	17.7	52.6	40.0	65.0	64.0	4.1	0.0	23
H	1247.0	D	361817	7130678	2.0	8.3	11.2	20.2	16.9	25.4	61.8	39.9	3.1	5.8	23
I	1256.0	D	361880	7130812	7.5	3.9	13.2	5.2	10.3	3.8	8.4	0.1	0.0	3.7	0
J	1259.0	B	361898	7130861	14.1	8.5	27.5	15.0	21.7	1.5	37.2	3.2	25.0 7	1.6	0
K	1272.0	D	361959	7131010	8.2	10.0	4.5	4.5	28.9	20.1	15.6	2.9	6.7	25.0	4 112
L	1284.0	B?	362014	7131142	2.2	6.2	2.9	5.4	10.4	26.0	21.6	30.7	0.0	0.0	0
M	1367.0	S	362614	7132771	2.2	8.6	1.0	8.7	12.7	31.1	27.7	67.5	1.3	0.2	0
N	1395.0	B?	362987	7133806	0.6	2.6	1.9	3.4	5.4	7.2	9.2	8.1	0.0	0.0	0
O	1420.0	S	363406	7134884	0.5	1.1	0.6	1.1	1.5	3.9	3.0	5.1	0.0	0.0	0

Note: EM values are in local amplitudes

EM Anomaly List
Job 1316

* estimated depth may be unreliable because the stronger part of the source may be away from the line, or a shallow dip or other effects

Appendix VII

J. Roth Geophysical Report

STRATAGEX LTD.
Geophysical Consulting

Nov 16/98

Memorandum

To: Dominic Bordin, Homestake Canada, Vancouver

Re: Comments on DIGHEM AEM/Aeromag Survey, Mike Lake Project, Yukon

From: Jerry Roth

The following comments comprise an initial evaluation of the results of a DIGHEM AEM/aeromagnetic survey on the Mike Lake project in the central Yukon.

This project is focussed on discovery of a bulk-tonnage gold or gold-copper deposit, likely associated with skarns or hornfels zones developed in Jurassic sediments bordering a multi-phase felsic intrusion. Prospecting and mapping of exposed bedrock geology has delineated several favourable skarn prospects with encouraging geochemistry, associated with a subunit of the felsic intrusive.

The DIGHEM survey was carried out in early September, 1997, as part of an integrated exploration program by Homestake. The survey was flown using differential GPS with flight lines at 150m spacing, oriented N70°W, and adhered to standard specifications as to terrain clearance and EM noise levels.

Subsequent data processing generated the standard geophysical maps at 1:25,000 scale: total field magnetics, calculated vertical magnetic gradient, AEM profiles for low (900 Hz) and intermediate (7200 Hz) and digital terrain. (This latter product matches nearly identically the published terrain maps, demonstrating the accuracy of the DGPS navigation.) These results are most usefully viewed against the considerable geological and geochemical information which has been obtained to date.

In general, the aeromagnetic results are seen to be dominated by a series of irregular magnetic lows along the central ridge which collectively exhibit a general NNE alignment. These lows are designated magnetic domain I, and are inferred to predominantly reflect various phases or components of the known felsic intrusives.

47 Colborne Street, Suite 304, Toronto, Canada M5E 1P8 • Tel: (416) 362-3344 • Fax: (416) 362-3800
Email: stratagex@ibm.net

Individual magnetic lows within this general trend are designated subdomains I_A to I_L; several of these subdomains, notably I_E and I_C, contain probable bedrock conductors, suggesting a component of non-magnetic sediments.

Domain II designates a moderately magnetic terrain which rims the northern ensemble of magnetic lows; its non-conductive aspect suggests intermediate (syenitic?) intrusives and/or volcanics. Within this domain several discrete magnetic highs peripheral to magnetic lows could reflect skarned or hornfelsed sediments.

Domain III designates an assemblage of moderate, linear to quasi-linear magnetic anomalies outlined along the east-central margin of the survey. Its general magnetic character, together with its associated linear EM conductors, points to a dominantly sedimentary component, possibly more of interest for base metals than for gold. Its probable southern continuation, designated subdomain III_A, contains discrete magnetic anomalies and shorter EM features, suggesting a greater likelihood of skarn mineralization.

Domain IV, abutting domain III to the south, designates a sector in the SE corner of the survey characterized by moderate, ovoid to irregular magnetic anomalies and an absence of EM conductors. Syenites or syenodiorites are suspected as the predominant lithology causative of the observed magnetic anomalies. Note that the porkchop-shaped magnetic anomaly centered near 359E, 7125.5N lies at an appreciable depth, estimated to be on the order of 200m.

Domain V, immediately to the SE of domain IV and occupying the SE corner of the survey, is non-magnetic and non-conductive, suggesting that it is part of a dominantly felsic batholith.

Domain VI is partially delineated along the west-central sector of the survey, bordering domain I to the east. Its moderate to moderately strong magnetic intensity, irregular to quasi-linear character and absence of EM conductors suggests a mixed assemblage of intermediate volcanics and intrusives.

The structural elements indicated by the survey reflect a complex history dominated by oblique NW-trending transverse faults, with complementary N-S and E-W secondary structures, as well as a few NE to ENE-trending faults. Several of these faults are congruent with prominent drainages, and have been locally extended on this basis.

The AEM results define a generally resistive environment, punctuated by discrete to quasi-linear resistivity lows. Most of these lows are seen to correspond to readily recognizable bedrock conductors, although weaker anomalies reflecting probable limited overburden and/or weakly conductive lithologies are seen at the higher frequencies.

Of the various EM conductors inferred to be of bedrock origin, thirteen have been selected as probably meriting follow-up attention in any subsequent program. Five conductors (#1, 4, 8, 9 & 10) are designated as first priority because of their discrete character and strong association with a similarly discrete magnetic source.

The eight 2nd priority conductive targets are weaker and/or less closely associated with discrete magnetic sources; geochemical evidence may enhance interest in these targets.

The remaining identified EM conductors tend to be longer and/or non-magnetic; while of much reduced interest in terms of potential for skarn-related mineralization, they may have potential for sediment-hosted base metal mineralization.

In addition, discrete magnetic features located proximate to identified felsic intrusives and associated with anomalous geochemistry may merit further attention during subsequent ground evaluation programs.

Finally, other models for gold mineralization which may merit consideration in this setting include association with:

* structurally controlled zones within the complex;

* the margins of subvolcanic intrusives (particularly where structurally disrupted);

* hydrothermally altered stockworks within the central intrusives.

The present interim interpretation should be updated when appropriate, preferably after the projected get-together in Vancouver on December 1.

Respectfully submitted,

Jerry Røth, M.A.

Senior Consulting Geophysicist

HMST98k1.mke

N

GR

GR

SCALE 1: 50,000

0 1000 m 2000 m

INTERPRETATION: LEGEND

MAGNETIC DOMAINS: I, etc

SUBDOMAINS: I_A – more magnetic
I_E – less magnetic

DOMAIN BOUNDARIES
Lower Susceptibility

SUSCEPTIBILITY
Mod. High :
Low

POSSIBLE INT. INTRUSIVES c/o SKARNS
Mod-High Susceptibility
Low Susceptibility

MAGNETIC LINEAR SOURCES
Probable Stratigraphic Units
Probable Dikes

EM CONDUCTORS
EM Targets: 1-13
1st Priority (1)
2nd Priority (2)

INFERRED FAULTS
PRIMARY
SECONDARY
PROBABLE CONTINUATIONS (Type)

STREAMS

PROSPECTS:

HOMESTAKE CANADA INC.
MIKE LAKE PROJECT
N.T.

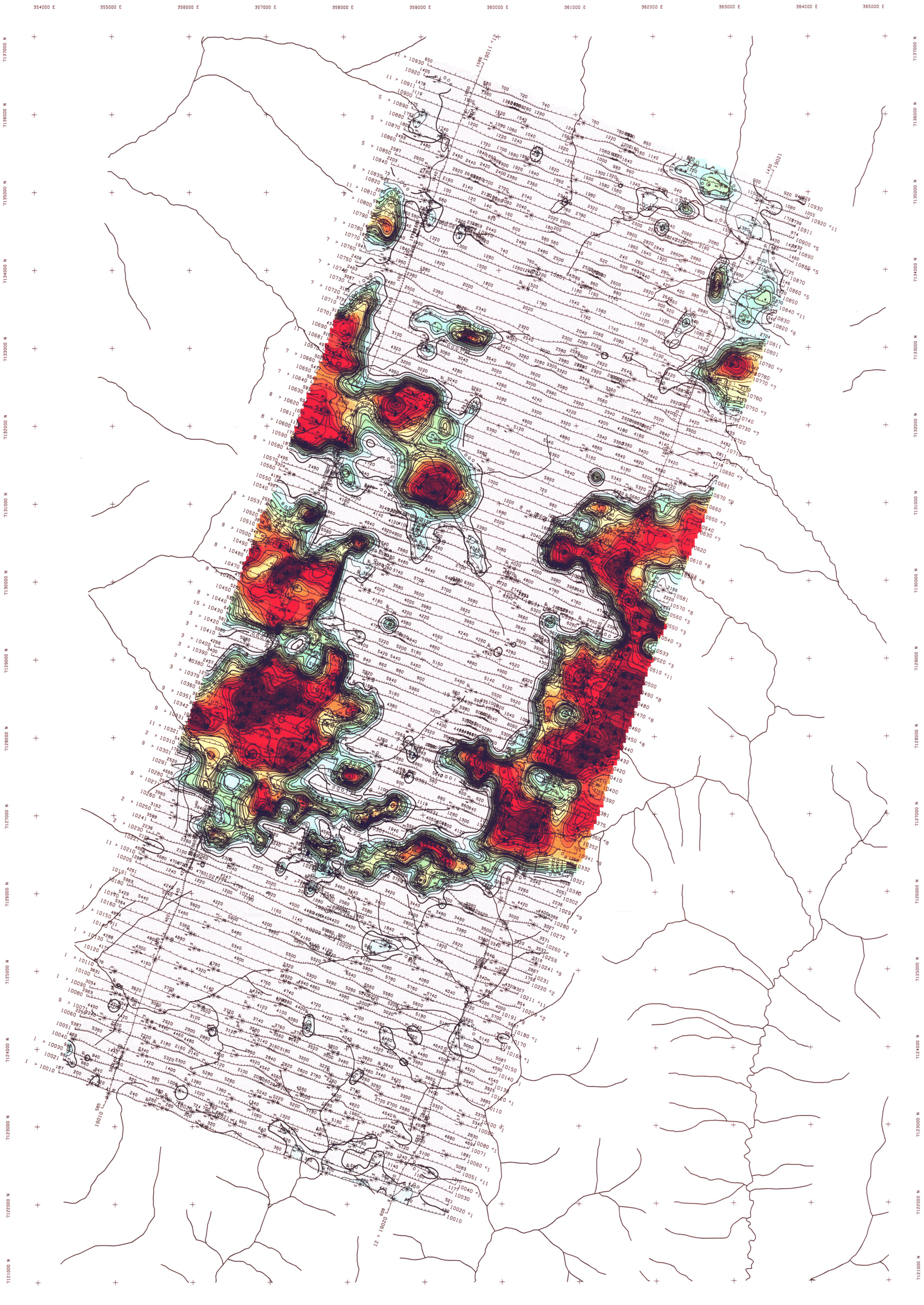
GEOPHYSICAL INTERPRETATION
DIGHEM AEM / AEROMAG SURVEY
Sept. 1993

J. Roth STRATAGEX Nov 93

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7137000 N 7136000 N 7135000 N 7134000 N 7133000 N 7132000 N 7131000 N 7130000 N 7129000 N 7128000 N 7127000 N 7126000 N 7125000 N 7124000 N 7123000 N 7122000 N 7121000 N



TECHNICAL SUMMARY

Navigation . . . . . Ashtech/Racal GPS positioning
Data reduction grid interval . . . . 38 metres
Terrain clearance . . . . . Helicopter 57 m
Electromagnetic sensor 30 m
Magnetometer 30 m
Data sampling interval . . . . . 0.1 second
Magnetometer / sensitivity . . . . Cesium / 0.01 nT
Electromagnetic system . . . . . DIGHEM^V

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◑	20–50 siemens
4	◔	10–20 siemens
3	⊕	5–10 siemens
2	○	1–5 siemens
1	◌	< 1 siemens
–	✳	Questionable anomaly

OHM-M
1000 800 700 600 500 400 250 150 100 80 70 60 50 40 30 25 20 10 5

Anomaly identifier
Interpretive symbol
Depth is greater than
. 15 m
.. 30 m
... 45 m
.... 60 m
Inphase and Quadrature of coaxial coil is greater than
. 5 ppm
.. 10 ppm
... 15 ppm
.... 20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES

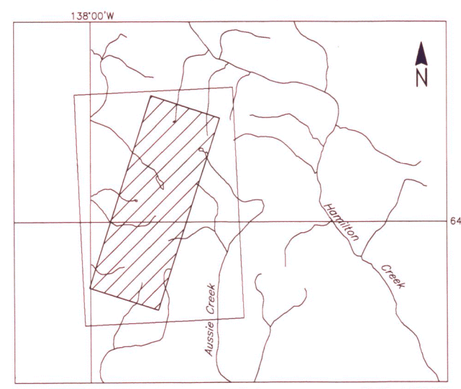
Flight number
Flight direction
Flight line number
11020
Reflight Number
Line Number
Area Number
Fiducials identified on profiles
Dip direction
EM anomaly (see EM legend)
Conductor axis (on EM maps only)
Arcs indicate the conductor has a thickness > 10m
Magnetic correlation in nT (gammas)

RESISTIVITY CONTOURS

1000 800 600 500 400 300 250 200 150 125 100

Contours in ohm-m at 10 intervals per decade

LOCATION MAP



NTS: 116A/4,5 UTM ZONE: 8 NAD27 SCALE: 1:250,000

093 922

HOMESTAKE CANADA INC.
MIKE LAKE/JAVA PROJECT, YUKON

APPARENT RESISTIVITY 900 Hz COPLANAR

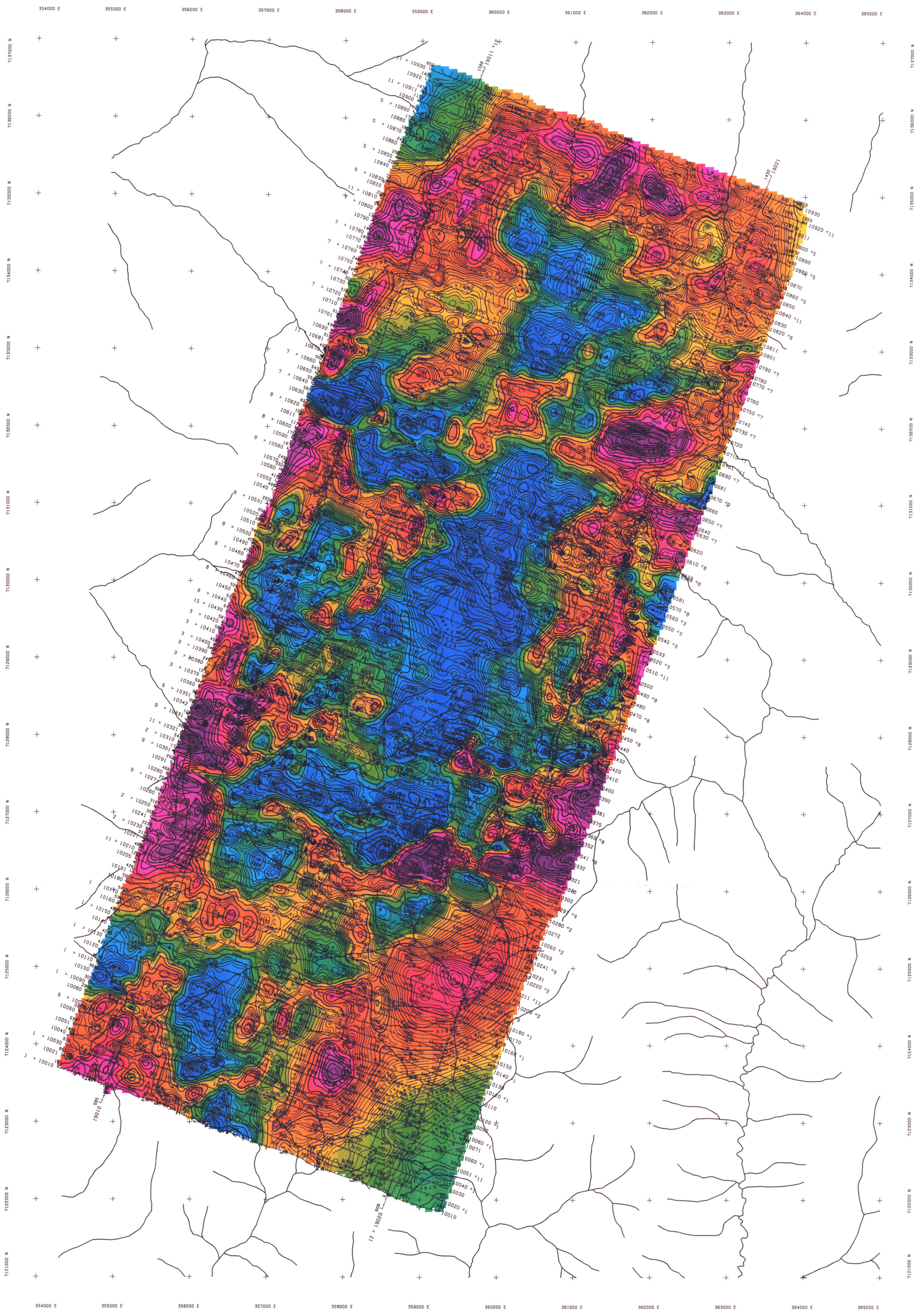
DIGHEM^V SURVEY	NTS: 116A/4,5	GEOPHYSICIST:
DATE: SEPTEMBER, 1998	JOB: 1316	SHEET: 1
Geoterrex–Dighem, A division of CGG Canada Ltd.		

0 .5 1.0 1.5 2.0 2.5 Km
0 .5 1.0 1.5 Mi
Scale 1:25 000

DWG (5)

geoterrex-dighem
Airborne & Ground Geophysics

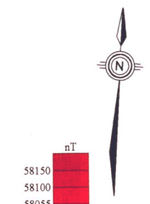
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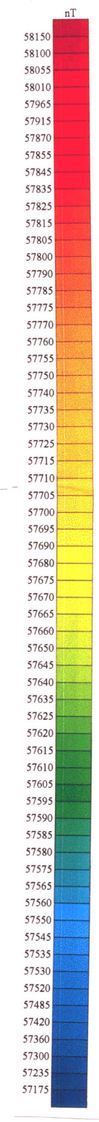


TECHNICAL SUMMARY

Navigation	Ashtech/Racal GPS positioning
Data reduction grid interval	38 metres
Terrain clearance	Helicopter 57 m Electromagnetic sensor 30 m Magnetometer 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	DIGHEM^{V}

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar





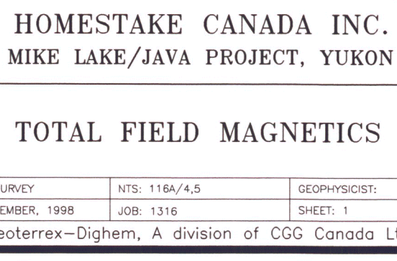
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L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES



TOTAL FIELD MAGNETIC CONTOURS

250 nT

50 nT

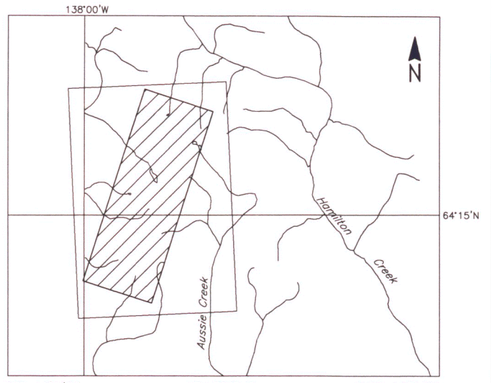
10 nT

5 nT

magnetic low

Magnetic inclination within the survey area: 78 degrees N
Magnetic declination within the survey area: 29 degrees E

LOCATION MAP



093922

HOMESTAKE CANADA INC.

MIKE LAKE/JAVA PROJECT, YUKON

TOTAL FIELD MAGNETICS

DIGHEM^{V} SURVEY	NTS: 116A/4,5	GEOPHYSICIST:
DATE: SEPTEMBER, 1998	JOB: 1316	SHEET: 1

Geoterrex–Dighem, A division of CGG Canada Ltd.

0 .5 1.0 1.5 2.0 2.5 Km
0 .5 1.0 1.5 Mi
Scale 1:25 000

DWG 6

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geoterrex-dighem
Airborne & Ground Geophysics

TECHNICAL SUMMARY

Navigation	Ashtech/Racal GPS positioning
Data reduction grid interval	38 metres
Terrain clearance	Helicopter 57 m Electromagnetic sensor 30 m Magnetometer 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	DIGHEM^V

Frequency	Sensitivity	Coil Orientation
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5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

nT/M

4.50 4.00 3.50 3.00 2.75 2.50 2.25 2.00 1.75 1.50 1.25 1.00 0.95 0.90 0.85 0.80 0.75 0.70 0.65 0.60 0.55 0.50 0.45 0.40 0.35 0.30 0.25 0.20 0.15 0.10 0.05 0.00 -0.05 -0.10 -0.15 -0.20 -0.25 -0.30 -0.35 -0.40 -0.45 -0.50 -0.55 -0.60 -0.65 -0.70 -0.75 -0.80 -0.85 -0.90 -0.95 -1.00 -1.25 -1.50 -1.75 -2.00 -2.25 -2.50 -2.75 -3.00 -3.50 -4.00 -4.50

ELECTROMAGNETIC ANOMALIES

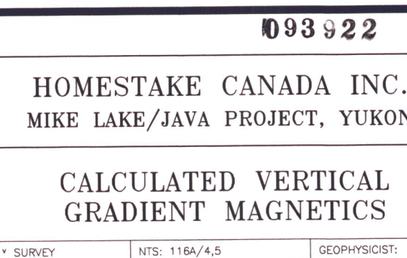
Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◕	20–50 siemens
4	◑	10–20 siemens
3	⊕	5–10 siemens
2	○	1–5 siemens
1	◌	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier — Interpretive symbol — Inphase and Quadrature of coaxial coil is greater than . 5 ppm .. 10 ppm ... 15 ppm .... 20 ppm

Depth is greater than : 15 m :: 30 m ::: 45 m :::: 60 m

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES

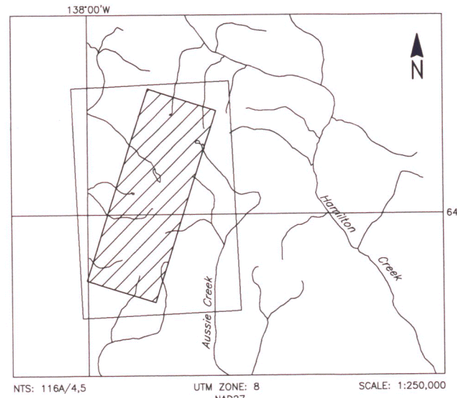


- Flight number
- Flight direction
- Flight line number
- Reflight Number
- Line Number
- Area Number
- Fiducials identified on profiles
- Dip direction
- EM anomaly (see EM legend)
- Conductor axis (on EM maps only)
- Arcs indicate the conductor has a thickness > 10m
- Magnetic correlation in nT (gammas)

CALCULATED VERTICAL GRADIENT CONTOURS

- ——— . . . . . 2.5 nT/metre
- ——— . . . . . 0.5 nT/metre
- ——— . . . . . 0.1 nT/metre
- — — — — . . . . . 0.05 nT/metre

LOCATION MAP



NTS: 116A/4,5 UTM ZONE: 8 NAD27 SCALE: 1:250,000

093922

HOMESTAKE CANADA INC.

MIKE LAKE/JAVA PROJECT, YUKON

CALCULATED VERTICAL GRADIENT MAGNETICS

DIGHEM^V SURVEY	NTS: 116A/4,5	GEOPHYSICIST:
DATE: SEPTEMBER, 1998	JOB: 1316	SHEET: 1

Geoterrex–Dighem, A division of CGG Canada Ltd.

0 .5 1.0 1.5 2.0 2.5 Km
0 .5 1.0 1.5 Mi
Scale 1:25 000

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geoterrex-dighem
Airborne & Ground Geophysics

TECHNICAL SUMMARY

Navigation	Ashtech/Racal GPS positioning
Data reduction grid interval	38 metres
Terrain clearance	Helicopter 57 m Electromagnetic sensor 30 m Magnetometer 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	DIGHEM^V

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◑	20–50 siemens
4	◔	10–20 siemens
3	⊕	5–10 siemens
2	○	1–5 siemens
1	◌	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier; Interpretive symbol

Depth is greater than
- . 15 m
- : 30 m
- ⁝ 45 m
- ⁞ 60 m

Inphase and Quadrature of coaxial coil is greater than
- . 5 ppm
- .. 10 ppm
- ... 15 ppm
- .... 20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES

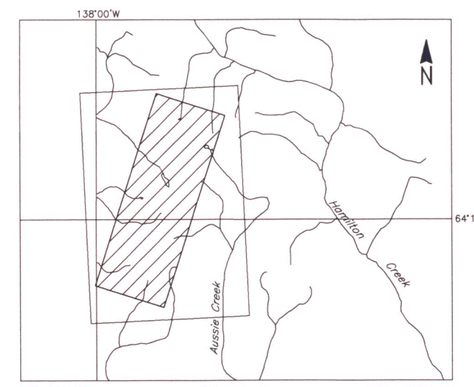
- Flight number
- Flight direction
- Flight line number
- Reflight Number
- Line Number
- Area Number
- Fiducials identified on profiles
- Dip direction
- EM anomaly (see EM legend)
- Conductor axis (on EM maps only)
- Arcs indicate the conductor has a thickness > 10m
- Magnetic correlation in nT (gammas)

OHM-M: 8000, 7000, 6000, 4000, 2500, 1500, 1000, 800, 600, 400, 250, 150, 100, 80, 60, 40, 25, 15, 5

RESISTIVITY CONTOURS

Contours in ohm-m at 10 intervals per decade: 1000, 800, 600, 500, 400, 300, 250, 200, 150, 125, 100

LOCATION MAP



NTS: 116A/4,5 UTM ZONE: 8 NAD27 SCALE: 1:250,000

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HOMESTAKE CANADA INC.
MIKE LAKE/JAVA PROJECT, YUKON

APPARENT RESISTIVITY 7200 Hz COPLANAR

DIGHEM^V SURVEY	NTS: 116A/4,5	GEOPHYSICIST:
DATE: SEPTEMBER, 1998	JOB: 1316	SHEET: 1
Geoterrex-Dighem, A division of CGG Canada Ltd.		

0 .5 1.0 1.5 2.0 2.5 Km
0 .5 1.0 1.5 Mi
Scale 1:25 000

geoterrex-dighem
Airborne & Ground Geophysics

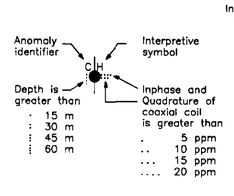
TECHNICAL SUMMARY

Navigation . . . . . Ashtech/Racal GPS positioning
Data reduction grid interval . . . . 38 metres
Terrain clearance . . . . . Helicopter 57 m
Electromagnetic sensor 30 m
Magnetometer 30 m
Data sampling interval . . . . . 0.1 second
Magnetometer / sensitivity . . . . . Cesium / 0.01 nT
Electromagnetic system . . . . . DIGHEM^V

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

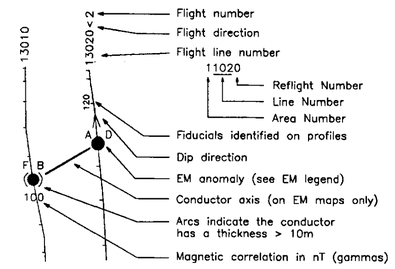
ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◕	20–50 siemens
4	◑	10–20 siemens
3	⊕	5–10 siemens
2	○	1–5 siemens
1	◌	< 1 siemens
–	✳	Questionable anomaly



Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

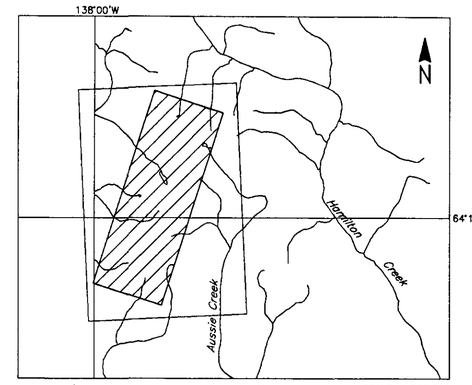
FLIGHT LINES WITH EM ANOMALIES



EM COAXIAL INPHASE & QUADRATURE PROFILES

——— Coaxial inphase 5 ppm/mm
– – – – Coaxial quadrature 5 ppm/mm

LOCATION MAP



093822

HOMESTAKE CANADA INC.

MIKE LAKE/JAVA PROJECT, YUKON

EM PROFILES (900 Hz COAXIAL)

DIGHEM^V SURVEY	NTS: 116A/4,5	GEOPHYSICIST:
DATE: SEPTEMBER, 1998	JOB: 1316	SHEET: 1

Geoterrex–Dighem, A division of CGG Canada Ltd.

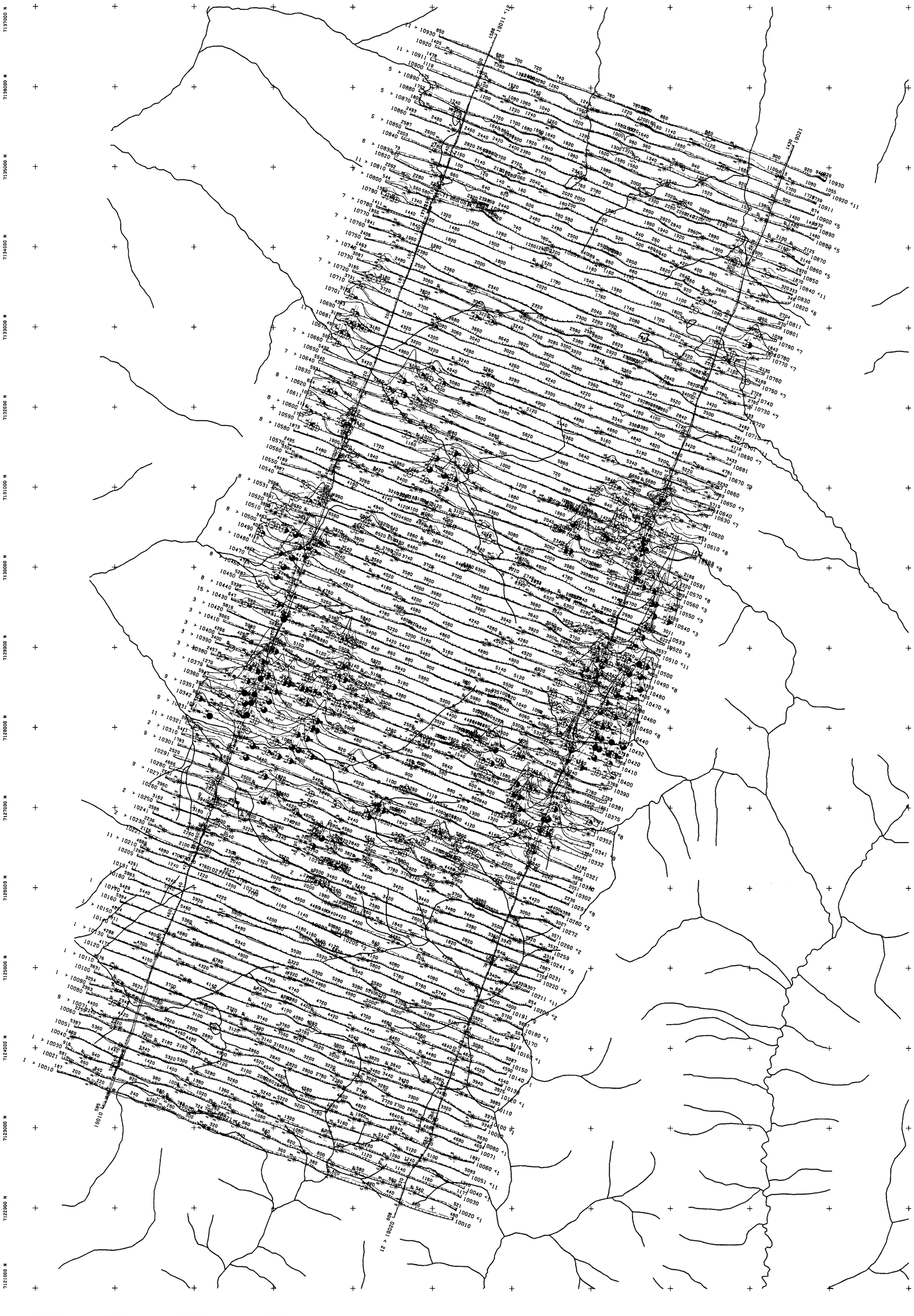
0 .5 1.0 1.5 2.0 2.5 Km
0 .5 1.0 1.5 Mi
Scale 1:25 000

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354000 E 355000 E 356000 E 357000 E 358000 E 359000 E 360000 E 361000 E 362000 E 363000 E 364000 E 365000 E

7137000 N 7136000 N 7135000 N 7134000 N 7133000 N 7132000 N 7131000 N 7130000 N 7129000 N 7128000 N 7127000 N 7126000 N 7125000 N 7124000 N 7123000 N 7122000 N 7121000 N



TECHNICAL SUMMARY

Navigation . . . . . Ashtech/Racal GPS positioning
Data reduction grid interval . . . . 38 metres
Terrain clearance . . . . . Helicopter 57 m
Electromagnetic sensor 30 m
Magnetometer 30 m
Data sampling interval . . . . . 0.1 second
Magnetometer / sensitivity . . . . Cesium / 0.01 nT
Electromagnetic system . . . . . DIGHEM^V

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

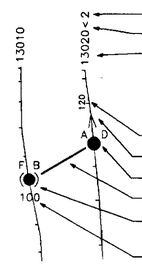
ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◕	20–50 siemens
4	◑	10–20 siemens
3	⊕	5–10 siemens
2	○	1–5 siemens
1	◌	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier → C H
Interpretive symbol
Depth is greater than: . 15 m, : 30 m, :: 45 m, ::: 60 m
Inphase and Quadrature of coaxial coil is greater than: . 5 ppm, .. 10 ppm, ... 15 ppm, ... 20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
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FLIGHT LINES WITH EM ANOMALIES

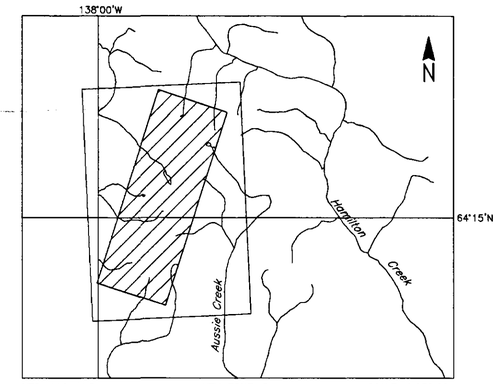


Flight number
Flight direction
Flight line number
11020
Reflight Number
Line Number
Area Number
Fiducials identified on profiles
Dip direction
EM anomaly (see EM legend)
Conductor axis (on EM maps only)
Arcs indicate the conductor has a thickness > 10m
Magnetic correlation in nT (gammas)

EM COPLANAR INPHASE & QUADRATURE PROFILES

——— Coplanar inphase 5 ppm/mm
– – – – – Coplanar quadrature 5 ppm/mm

LOCATION MAP



NTS: 116A/4,5 UTM ZONE: 8 NAD27 SCALE: 1:250,000

093922

HOMESTAKE CANADA INC.
MIKE LAKE/JAVA PROJECT, YUKON

EM PROFILES (900 Hz COPLANAR)

DIGHEM^V SURVEY	NTS: 116A/4,5	GEOPHYSICIST:
DATE: SEPTEMBER, 1998	JOB: 1316	SHEET: 1

Geoterrex–Dighem, A division of CGG Canada Ltd.

0 .5 1.0 1.5 2.0 2.5 Km
0 .5 1.0 1.5 Mi
Scale 1:25 000

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