SOIL SURVEY REPORT

ON

MARSH LAKE PROSPECTING PROGRAM

CARTER GULCH 1–2 YC25912-13
KIYOKO AU 1–2 YC26088-89
PEPPY 1–4
AVIAN 1–6

NTS MAP SHEET 105 D/9

LATITUDE 60° 39' N LONGITUDE 143° 19' W

WHITEHORSE MINING DISTRICT

For work performed between:

October 22 – 24, 2003
and
June 15 – 18 and July 14, 2004

Prepared by:

Ron S. Berdahl
Box 11250
Whitehorse, Yukon Y1A 6N4

January 15, 2005

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 $ 1600.

M.B.

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

Costs associated with this report have been approved in the amount of $ $1600.00
for assessment credit under Certificate of Work No. Q02776

Mining Recorder
Whitehorse Mining District

SOIL SURVEY REPORT

ON

MARSH LAKE PROSPECTING PROGRAM

CARTER GULCH 1–2 **YC25912-13**

KIYOKO AU 1–2 **YC26088-89**

PEPPY 1–4

AVIAN 1–6

NTS MAP SHEET 105 D/9

LATITUDE 60° 39' N **LONGITUDE 143° 19' W**

WHITEHORSE MINING DISTRICT

For work performed between:

October 22 – 24, 2003

and

June 15 – 18 and July 14, 2004

Prepared by:

Ron S. Berdahl
Box 11250
Whitehorse, Yukon Y1A 6N4

January 15, 2005

TABLE OF CONTENTS

FIGURES

APPENDICES

SUMMARY

Work by the author and various other prospectors, especially in the last 10 years, has led to the discovery of several new gold showings in the area north of Marsh Lake, east of the McClintock River. Work for this report concentrated on the Carter Gulch and Kiyoko alums and surrounding area. The Carter Gulch showing was originally found by Brian Carter in 1994. It consists of visible gold in quartz subcrop.

Previous silt and prospecting surveys have determined that at least 50% of the drainages off Carter Ridge were found anomalous in Au.

Work in 2003 and 2004 included 12 contour soil lines over a 10-kilometre strike length of prospective geology. One hundred and eighty-nine soil samples and several rock samples were sent for analysis.

Highlights include 7 soil Au anomalies (out of 29 total). These may delineate three separate, parallel gold zones striking NW/SE, with Carter Gulch sandwiched between a zone on the east and the west.

Highlights also include a 700-m long Mo anomaly in soils and a new gold showing of 0.8 opt Au (vg.) in a quartz vein 1.5 km along a projected strike of the 4 opt Carter Gulch showing.

INTRODUCTION

This report is prepared to satisfy the requirements for assessment work as set out under the *Yukon Quartz Mining Act*, to consolidate information collected during the 2003/2004 field season.

Gold and base metal showings occur throughout the Marsh Lake Belt. This region is an extension of the Atlin ultramafic gold belt, a mother lode type gold camp. B.C.'s largest gold producer, Bralorne, was of this type.

Mineral exploration in this area has been hampered by glacial till cover and, until recently, unsettled land claims.

Access to and through the area is generally good for Yukon standards. Two showings at either end of the belt (Tog and Carter Gulch) with visible gold, hint at the possibilities in this largely unexplored area. The Carter Gulch rocks assay over 4 opt. Placer gold and numerous anomalous RGS values in areas without known sources punctuate these possibilities. A new 0.8 opt showing (Peppy) was located in subcrop 1.3 km to the southeast of Carter Gulch. A 700-m long Mo soil anomaly was also delineated.

HISTORY

Adits along ultramafic and quartz carbonate alteration zones predate the gold rush. No records of production exist.

Exploration for gold has taken place in recent years along a major northwest trending structure paralleling Marsh Lake; notably, the Rossbank (Inco) property 15 km northwest and the Bug claims 15 km southeast. An airborne EM, Mag survey was done over this trend in 1968 by Prado Explorations Ltd. This was followed up by ground IP and EM surveys. The results were inconclusive. (Rushant, 1995)

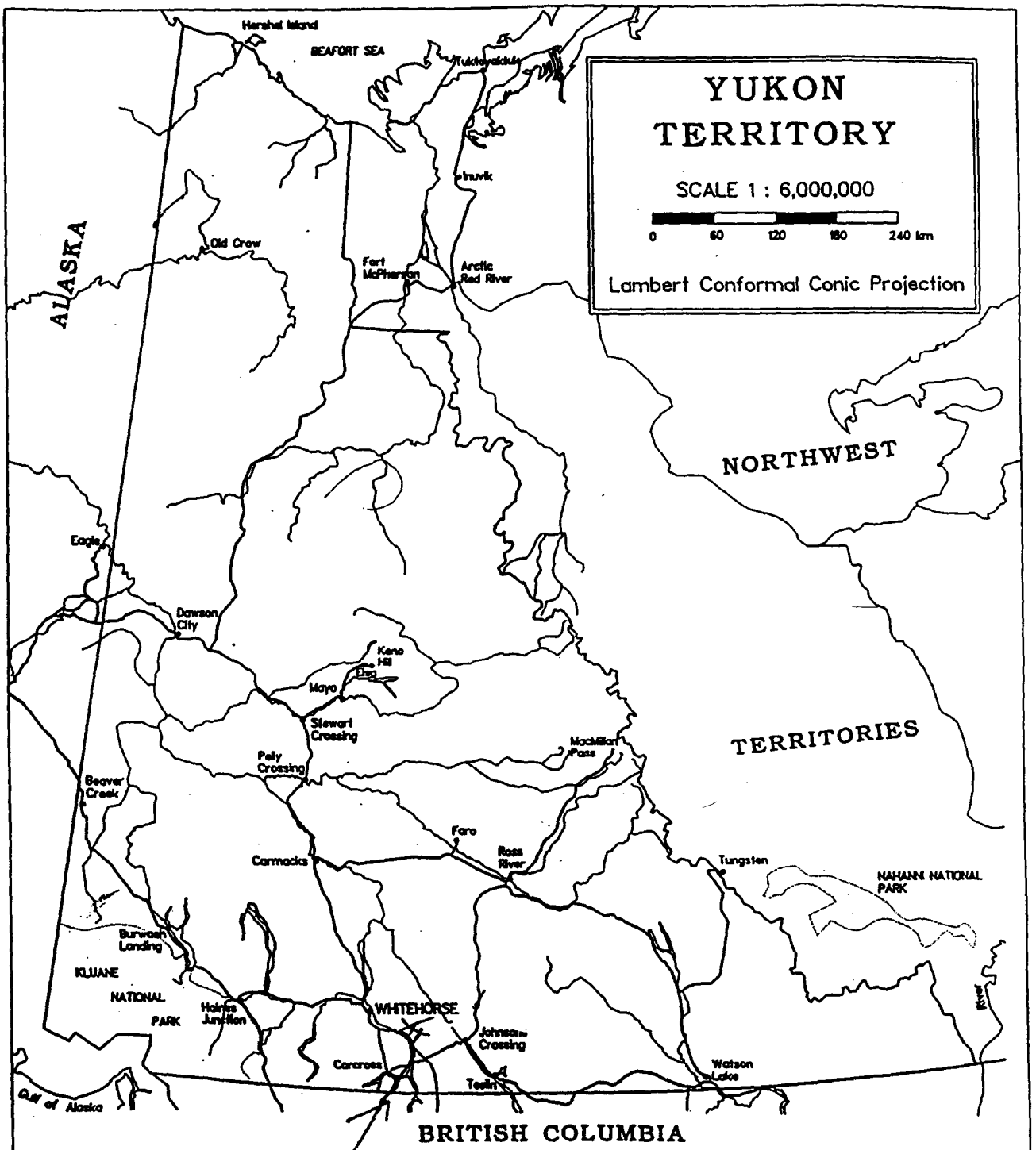

YUKON
TERRITORY
SCALE 1 : 6,000,000
0 60 120 180 240 km
Lambert Conformal Conic Projection
Herschel Island
BEAUFORT SEA
Tuktoyaktuk
Inuvik
ALASKA
Old Crow
Fort McPherson
Arctic Red River
NORTHWEST
TERRITORIES
Eagle
Dawson City
Keno Hill
Elsa
Mayo
Stewart Crossing
Mackenzie Pass
Pelly Crossing
Beaver Creek
Carmacks
Faro
Ross River
Tungsten
NAHANNI NATIONAL PARK
Burwash Landing
KLUANE
NATIONAL
PARK
Haines Junction
WHITEHORSE
Johnsons Crossing
Carcross
Teslin
Watson Lake
Gulf of Alaska
BRITISH COLUMBIA
LOCATION MAP
MARSH LAKE

FIGURE 1

The Yukon Prospectors Association flew an airborne Mag survey over an extensive area adjacent to and to the south of the area of interest.

Prospector Brian Carter discovered visible gold in large quartz float boulders in 1994, during follow-up of anomalous RGS data sites. The author staked the Carter Gulch and Kiyoko claims in 2003 and discovered the Peppy showing (0.8 opt Au) in 2004.

ACCESS AND PHYSIOGRAPHY

Access to the prospecting area is good. Trails (ATV) and roads transect the eastern and southern periphery of the area.

The Carter Gulch showing is 3 km from a gravel road. Helicopters were used to access the ridge tops during the 2004 season. Flight time from Whitehorse is less than 30 minutes.

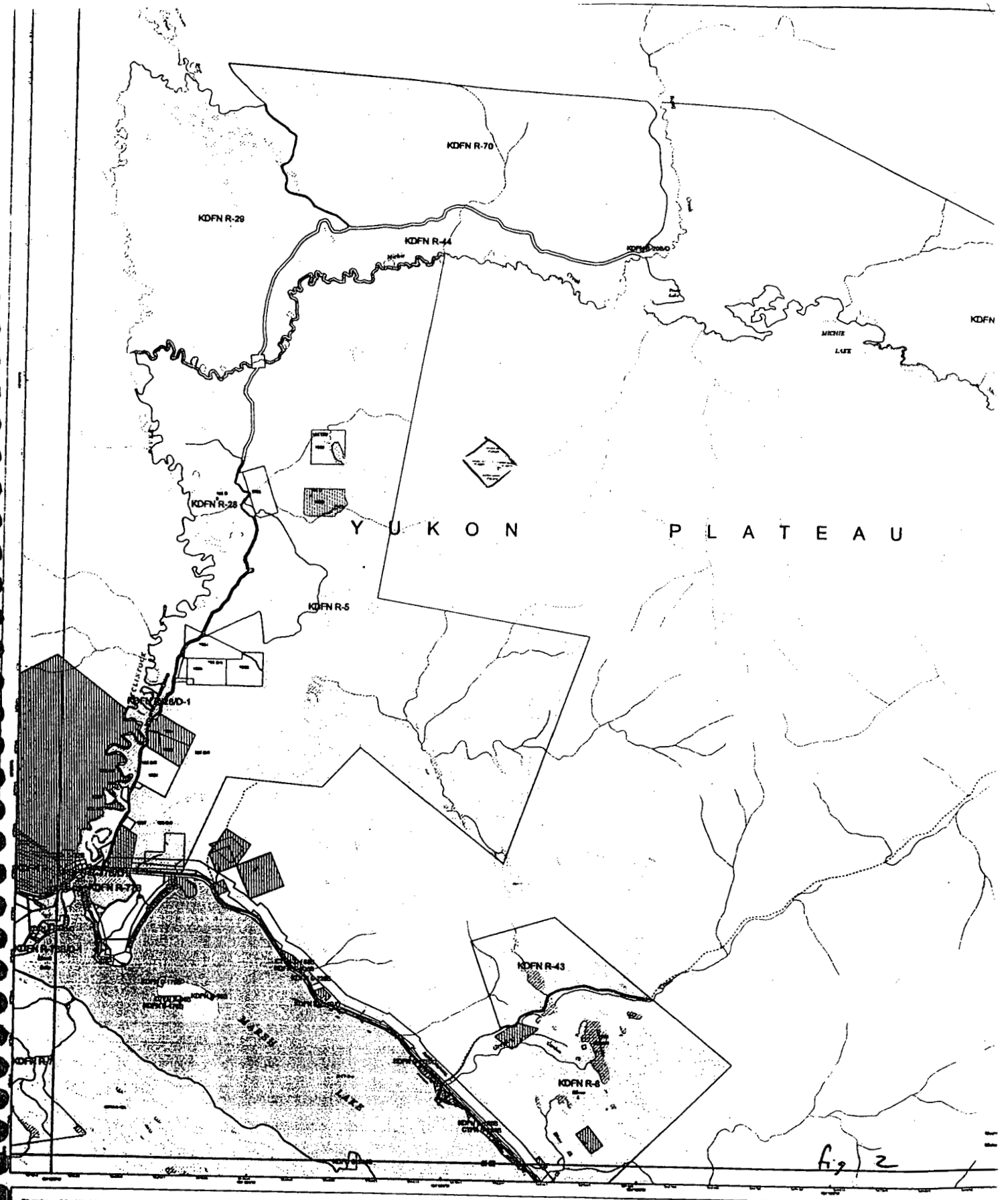
The area consists of rounded ridges with a few steep escarpments and talus slopes. Elevations range from about 5,700 feet down to 2,500 feet. Treeline is near 4,500 feet, with a spruce forest and assorted boreal shrubs below that level. Willow is thick in most creek beds. Glacial till fills most low areas. Till depth is unknown.

PROPERTY

As of this writing, fourteen claims are current in the exploration area.

All land claims have been finalized.

Claim Name/No.	Grant No.	Owner	Expiry Date
Carter Gulch 1–2	YC25912–13	R. Berdahl	March 28, 2005
Kiyoko Au 1–2	YC26088–89	R. Berdahl	October 21, 2005
Peppy 1–4	—	R. Berdahl	July 2005
Avian 1–6	—	R. Berdahl	July 2005



105D/09

MINING CLAIMS

REGIONAL GEOLOGY

The Marsh Lake area is underlain by stratified volcanic and sedimentary units of the Whitehorse Trough and Atlin Terranes. Coast Plutonic Complex granitic rocks intrude the region.

The Whitehorse Trough features Lower to Middle Jurassic Laberge Group clastic sediments flanked by Upper Triassic Lewes River Group mafic volcanics. Atlin Terrane consists of Pennsylvanian (?)–Permian Taku Group serpentinites, metamorphosed volcanics and quartz carbonate rock.

Structurally, the area features northwest-southeast oriented faults parallel to the axis of the Whitehorse Trough.

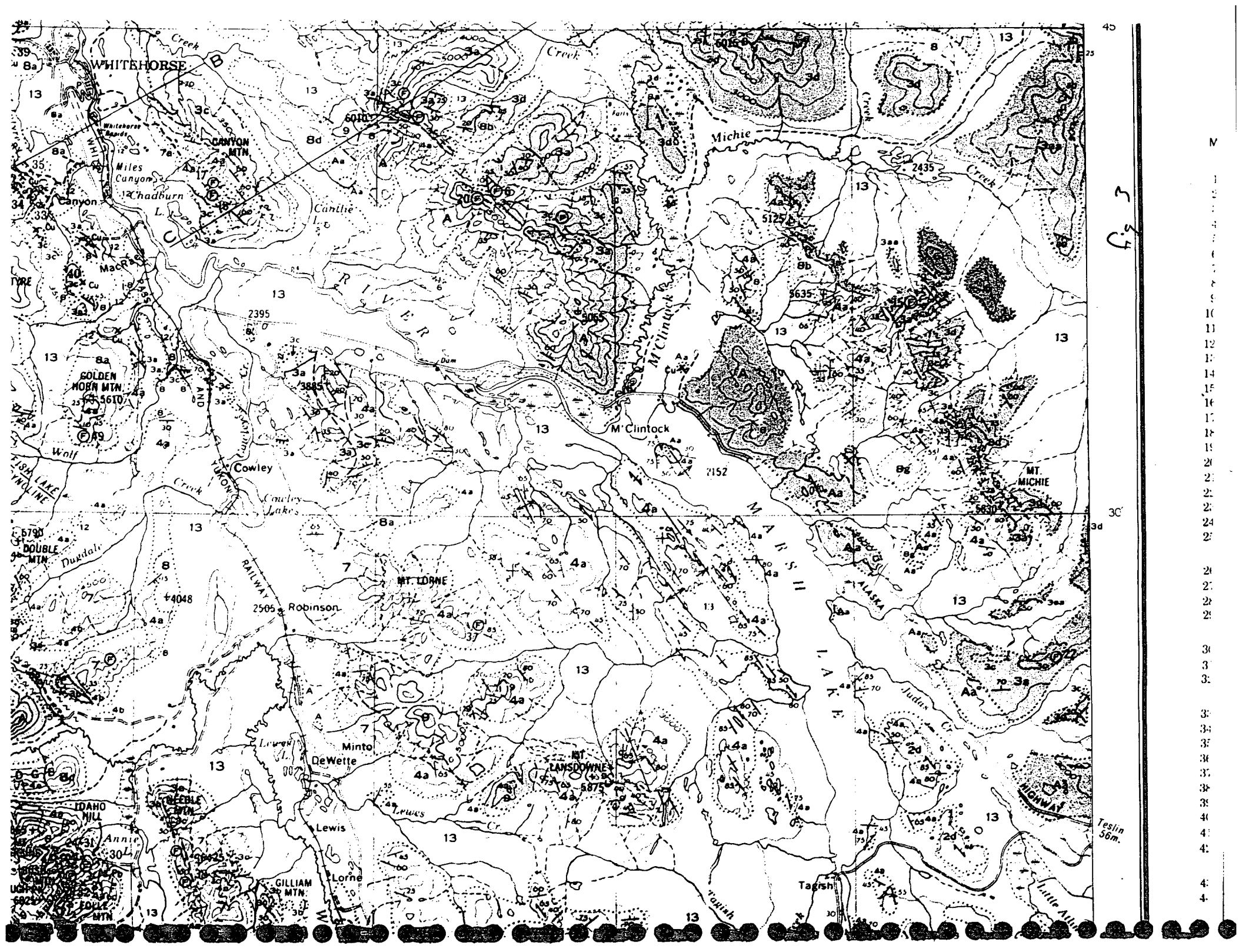
Gold mineralization in the Atlin Terrane generally occurs in quartz carbonate alteration zones in close association with ultramafic intrusives and strong normal faults. (Graham, 1995)

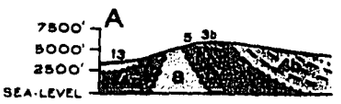
PROPERTY GEOLOGY

The reconnaissance area generally follows a 10+-kilometre contact between Jurassic Laberge Group sediments and Upper Triassic Lewes River Group metamorphic sediments and volcanics. In a till-filled valley immediately to the west, there is an assumed contact with greenstones (Wheeler, 1951). Orange-weathering ultramafic rocks dominate the ridge to the east. In the northern portion of the area, Cretaceous leucocratic granites intrude the sediment/volcanic contact. This intrusion is near the Carter Gulch gold showing and two new, weak copper showings. The relationship between the intrusive and showings is unknown.

An intrusive dike through a black glassy aphanitic unit is associated with the Karl Cu showing.

A 700-m long Mo soils anomaly in the central portion of the area may delineate the eastern edge of an intrusion.


WHITEHORSE
Whitehorse Rapids
CANYON MTN.
Miles Canyon
Chadburn L.
Canyon
Cantlie L.
MacRae
RIVER
YUKON
Dam
2395
GOLDEN HORN MTN.
5610
Wolf
Creek
Cowley
Cowley Lakes
TAGISH LAKE
DOUBLE MTN.
5790
Dundale
4048
RAILWAY
2505
Robinson
MT. LORNE
Minto
DeWette
Lower L.
Lewes
Lewis
Lorne
IDAHO HILL
BEEBLE MTN.
Annie L.
GILLIAM MTN.
FOULE MTN.
Tagish
Tagish L.
Little Arm
Michie
2435
5125
5635
5055
M'Clintock
M'Clintock
2152
MT. MICHIE
5830
MARSH LAKE
ALASKA HIGHWAY
Judas Cr.
MT. LANSDOWNE
5875
Teslin
56m.



LEGEND

CENOZOIC

QUATERNARY

13 — *Alluvium, glacial deposits, volcanic ash, loess*

12 — *MILES CANYON BASALT: basalt, minor pyroclastic rocks*

TERTIARY OR EARLIER

Granite porphyry, rhyolite

SKUKUM GROUP

10 — *Andesite, basalt, rhyolite, and trachyte breccias, tuffs, and flows, 'granitic agglomerate'; minor greywacke*

9 — *Pink quartz monzonite*

MESOZOIC

CRETACEOUS

COAST INTRUSIONS

8 — *Granodiorite, granite, quartz monzonite, quartz diorite, and allied rocks;* **8a**, *hornblende-biotite-oligoclase granodiorite;* **8b**, *leucocratic granite, biotite granite;* **8c**, *biotite-hornblende quartz diorite;* **8d**, *hornblende diorite;* **8e**, *gneissic 'porphyritic' granodiorite;* **8f**, *shattered granodiorite and 'granitic breccia';* **8g**, *pegmatitic syenite*

HUTSHI GROUP

7 — *Basalt, andesite, quartz latite, and rhyolite flows, breccias, and tuffs; conglomerate; minor greywacke and argillite;* **7a**, *basalt dyke;* **7b**, *altered volcanic rocks probably belonging to Hutshi group*

Peridotite, dunite, serpentinite, pyroxenite

JURASSIC (?) AND CRETACEOUS

UPPER JURASSIC (?) AND LOWER CRETACEOUS

TANTALUS FORMATION: arkose, siltstone, conglomerate, argillite, coal

JURASSIC

LOWER JURASSIC AND LATER

LABERGE GROUP

4 — **4a**, *greywacke, arkose, quartzite, conglomerate, siltstone, argillite, hornfels;* **4b**, *mainly conglomerate*

TRIASSIC

UPPER TRIASSIC

LEWES RIVER GROUP

3 — **3a**, *greywacke, siltstone, argillite, conglomerate, and tuffaceous equivalents;* **3aa**, *includes Jurassic rocks;* **3b**, *andesite, basalt flows and associated pyroclastic rocks;* **3c**, *limestone, limestone breccia;* **3d**, *metamorphosed rocks probably belonging to Lewes River group*

PALÆOZOIC

PENNSYLVANIAN (?) AND PERMIAN

TAKU GROUP

2 — **2a**, *mainly chert;* **2b**, *greenstone flows and pyroclastic rocks;* **2c**, *limestone, limestone breccia;* **2d**, *metamorphosed volcanic rocks, probably belonging to Taku group;* **2ds**, *metamorphosed volcanic rocks containing numerous serpentine bodies*

PRECAMBRIAN AND LATER

YUKON GROUP

1 — **1a**, *Quartz-mica, quartz-chlorite, and mica schists; quartzite, micaceous quartzite, gneiss, and amphibolite;* **1b**, *feldspathic gneiss, gneissic granitic rocks, lit-par-lit gneiss;* **1c**, *crystalline limestone*

A — *Volcanic rocks of uncertain age;* **Aa**, *metamorphosed volcanic rocks*

Fig. 4

Aplite dikes (float) are found south of Kiyoko Lake, and in the "22 RGS" stream 1.5 km north of that lake. Quartz float is found throughout the entire area.

Conglomerate, supposedly of both Lewes River and Laberge geneses, is a common rock. Glaciation has complicated the immediate geology. Ultramafic float suggests glacial movement from the east-southeast.

MINERALIZATION

Two new occurrences were discovered during prospecting in 2003/2004.

The first was a 1-ft. cubed piece of blocky, frosh granite float with a coating of Mo on one side. The float was located about 800 m southeast of a 700-m long, north-striking Mo in soils anomaly. It is not known how the two are related.

The second showing, the Peppy, is similar to the Carter Gulch showing in that it consists of grey quartz subcrop with visible gold (samples 139066 and 139067). The best assay was 27.57 g Au (0.8 opt). As at Carter Gulch, the quartz has trace galena and limonite. The significance of the occurrence, other than the gold content, is that it seems to be structurally related to the Carter Gulch showing 1.5 km to the west-northwest, via a fault.

A third assay of 247 ppm Cu over 1 m occurs in a calcareous sediment (?) halfway between the Peppy and Carter Gulch showings. (Hamel showing, 2003.)

The Carter Gulch mineralization consists of visible gold, usually associated with vuggy limonite on a grey to white quartz.

As reported by Carter in a 1994 prospecting report, the "average" quartz boulder (float) was 20 cm thick, by 61 cm x 91 cm.

The mineralogy at the Carter Gulch showing is 'clean'. Little As, Pb, or Cu are associated with high Au values. e.g. A Noranda sample, 172062 (1995), had v.g. (40,500 ppb Au) with 5 As, 17 Ag, 1.2 Cd, 668 Cu, 1% Fe, 2,842 Pb. (Carter, 1995)

The old Silver King showing 5 km southwest of Carter Gulch is a quartz-rich showing in argillite (?). Pyrite and galena are common. Mineralization, exposed in a number of hand-dug pits, strikes east-west. This mineralized trend is similar to what was found by Rushant on the Jan claims, to the south 5 km, and also seems to be the trend of mineralized float at the Kiyoko Cu showing.

Mariposite float is not uncommon through the entire Marsh Lake Belt.

WORK PROGRAM

Two prospectors ran soil lines (1–3) in late 2003 around the Carter Gulch showing. Twenty-nine samples were taken, as well as numerous rock samples, in the same general area.

In 2004, a team of four people was set out at a central location on Carter Ridge. Nine kilometres of contour soil samples were taken. Soils were collected from the 'B' horizon using picks, shovels, and a soil auger. Sample locations were marked with hand-held GPS units.

Permafrost, despite intense summer heat, limited the number of samples actually sent for analysis to 189. ACME Labs of Vancouver was employed for a 1DX.ICP exploration package. Fifteen-gram samples were used for soils while 30-gram samples and total metallics were used for rocks.

Two prospectors later sampled rocks in the area and staked 10 additional claims.

RESULTS

Visible gold was discovered at the Peppy showing approximately 1.5 km east-southeast of the Carter Gulch showing. It is possible both showings are related to one or possibly several sub-parallel faults that trend in the same direction. These subparallel zones may be delineated by the three soil lines sampled around Carter Gulch (see map).

A 700-m long Mo in soil anomaly was discovered along the south half of Line 8 and the initial 200 m of Line 7 (north end). Mo values in soil were to 27.7 ppm (Line 8–100) and averaged around 11 ppm. Mo on other lines was generally well under 0.9 ppm.

A sheen of moly, selvage of Mo vein through intrusive, was discovered on a 1-ft. cubed fresh looking piece of intrusive approximately 800 m south of the southern end of the soil Mo anomaly (start of Line 7).

Line 9, which covered a drainage just west of the moly float was mildly anomalous in Mo at between 1 and 2 ppm Mo.

In addition, the Hamel Cu showing midway between the Peppy and Carter Gulch showings ran 247 ppm Cu over 1 m of millimetre-sized quartz veins in a metased.

Gold in soils was less consistent. Only 14 of the 160 samples were above 10 ppb. The highest number was on Line 9 – 650 at 136.5 ppb. Other gold numbers were on Lines 1, 2, 6, 8, 9, 10, 11 and 12. Only Line 7 did not have an anomalous Au value.

Golds in soil from three small lines around the Carter Gulch showing had values of up to 47.8 ppb Au. Seven of 29 samples were greater than 10 ppb. Line 1, which ran to the east of the ridge, had a higher Cu value (178 ppm) reflecting the Hamel Cu showing. It ended with a 47.8 ppb Au anomaly. Line 2, which ran directly below (approximately 200 m), had four soil 'kicks'. Values of 12.9 and 16. 5 ppb Au were directly below the showing. Rock in the area was 'flow banded' ryholite. Line 3 had two hits, one at either end of the line, both of higher value than at the showing (Line 2). The stations were at 100-m intervals. Arsenic numbers in soils do

not necessarily correlate directly with gold numbers but probably reflect areas of potential mineralization. Pb has a slightly better correlation.

The creeks on the north and northeast side of Carter Ridge did not lend themselves to sampling (no water, swamp). All four creeks sampled on the west slope have Au numbers or placer gold. This is a 4 km distance. One sample, S-5, returned 29 ppb. This creek drains the west end of the ridge the Karl Cu showing is found on, 10 km southeast of Carter Gulch.

Soil line results are as follows (in ppb Au):

Line 1 –	350	34.0
Line 2 –	0	19.7
	2 – 450	20.8
	2 – 750	10.1
Line 6 –	450	10.0
Line 8 –	850	10.4
Line 9 –	650	136.5
	9 – 1000	14.7
Line 10 –	500	26.4
	10 – 800	15.6
Line 11 –	150	14.4
	11 – 200	11.1
	11 – 800	16.6
Line 12 –	300	23.2

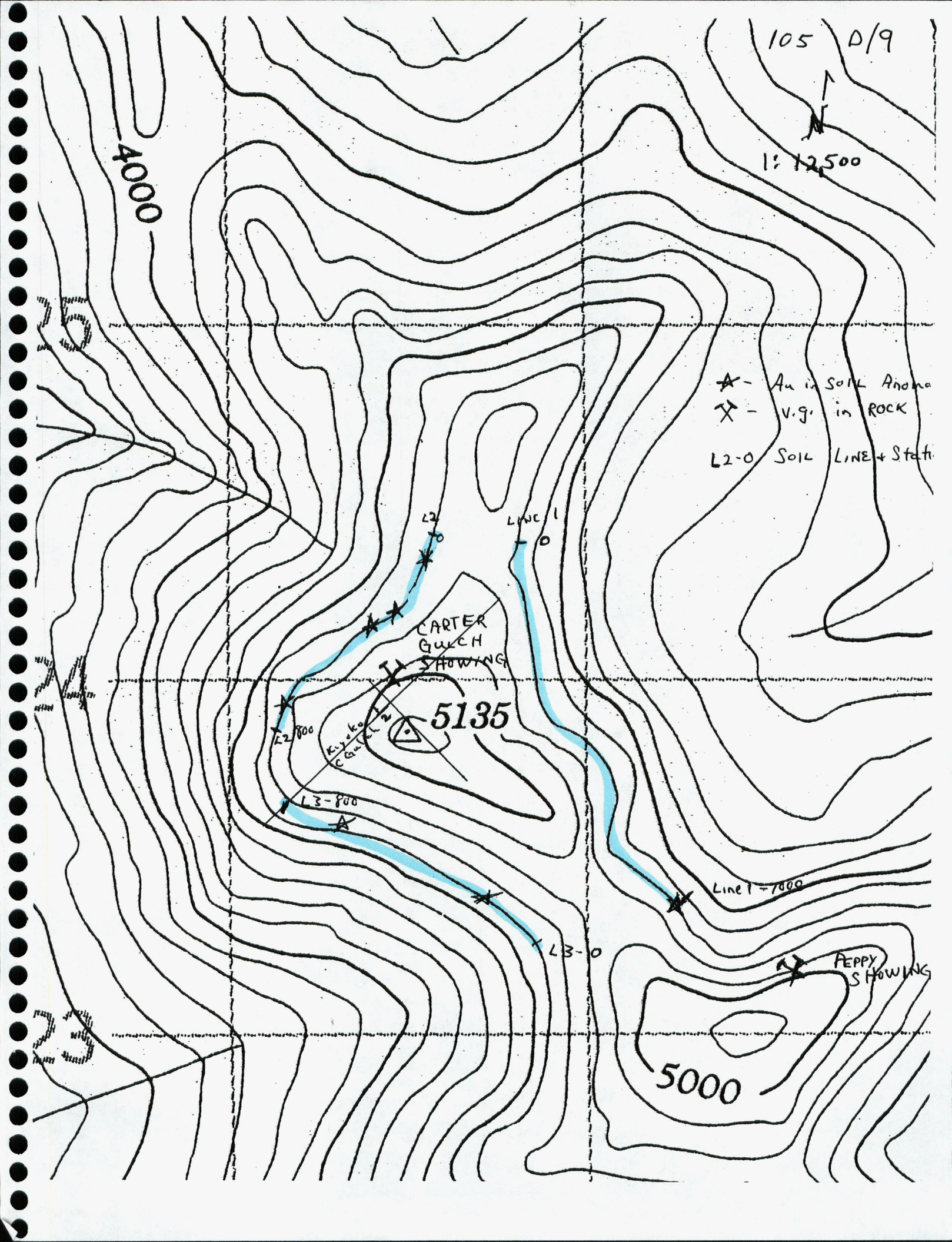
At Carter Gulch:

Line 1 –	1000	47.8
Line 2 –	100	14.7
	2 – 300	12.9 *
	2 – 400	16.5 *
	2 – 700	37.2
Line 3 –	200	34.4
	3 – 600	18.5

* Below 4 opt visible gold showing

CONCLUSIONS

The potential of several subparallel gold zones as delineated in soils around Carter Gulch and the discovery of another gold showing with values of 0.8 opt 1½ kilometres from the CG showing highlights this area's potential.


105 D/9
1: 12,500
4000
5135
5000
CARTER GULCH SHOWING
PEPPY SHOWING
L2-0
L2-800
L3-800
L3-0
LINE 1-0
LINE 1-1000
Au in SOIL Anoma
V.G. in ROCK
L2-0 SOIL LINE + Stati

The discovery of moly in a large soils anomaly and as float or subcrop adds another dimension to the property. The values are related to the Cretaceous intrusion. With moly prices soaring to $26/lb., some consideration should be given to the moly potential.

The percentage of anomalous gold values in soils (8.75%>10 ppb) over the larger area compares favourably with the 24% rate around the known gold showing. Values equal to or greater than that below Carter Gulch are found throughout the area and remain unexplained.

The positive results overall should encourage further exploration.

Mag (proton magnetometer) was attempted to better try to delineate geologic contacts. This was complicated by large amounts of ultramafic float pebbles to boulders from an ultramafic unit to the east and/or north.

RECOMMENDATIONS

All Au soil anomalies should be followed up with tighter soil sampling, over a broader area. A soil line should be run under the new showing (join the two portions of line 8). The results from soils close in to the CG showing need follow-up.

- A grid soil survey should be conducted around and between the CG and Peppy showings.
- An EM/VLF survey over the whole of Carter Ridge may help identify faults.
- Stake more claims over known showings previously discovered.
- The area is large enough to justify an airborne EM mag survey.

REFERENCES

Carter, Brian, 1995. Prospecting and Geochemical Assessment Report, CG Claims 1–14, 1518, Carter Gulch Claims 1–2.

Davidson, G., 1995. Prospecting and Geochemical Survey, Mt. Michie Assessment Report for R. Hamel.

Rushant, G., 1992. Prospecting in the Michie Creek Area, 105D/9. Yukon Mining Incentives Program, #92-048.

Tindale, J. L., B.Sc., 1968. Airborne Electromagnetic and Magnetometer Survey in the Marsh Lake Area.

Wheeler, J. O., 1961. Memoir 312: Whitehorse Map Area, Yukon Territory, 105D. Geological Survey of Canada.

APPENDIX A

SAMPLE DESCRIPTIONS

CARTER RIDGE

Soil line #1 north south contour line @ 4700', on east flank of Carter Ridge. 11 stations @ 100m

Soil Line #2 800 m sample line, contour line @ 4,500'along west flank of Carter Ridge

0 - organics to 18", dark brownsoil w/sub angular mafics to argillite, sample @ 2+'

100- @ 18" light brown soil, small sub angular -angular rxs

200 - @ base of greenstone talus, brown dirt @12", between 1' and < rxs

300 - clay soil w/ large angular boulders, @16"

400 - @ 2' , brown clay soil w/in talus, below (+/-) Carter showing. Under flow banded rhyolite

500 - @2.5' light brown sandy soil in boulder matrix

600 - frost boil (frozen to 1') sample @ 1', light brown soil

700 - light brown soil @ 16-18", amongst green weathered glacial float

800 - steep slope, active soil area, brown grey soil

Soil line #3, contour line running NW, @4500', south of C.G. knob. 800m, samples @100m intervals

APPENDIX A

SAMPLE DESCRIPTIONS

CARTER RIDGE

139063	Line 8 – 1150: 1 cm quartz veins with cubic pyrite in calcareous grey metuced/volc (?)
139064	NNW vein of 1.5 – 2 in. vein of white-grey quartz 300 m from CG showing, in calcareous, Fe-altered sediment (?)
139065	Dark grey quartz subcrop on ridge top, no sulfides
139066	In NNW structure – Peppy gold showing: 1½ km ESE of CG showing. Grey vein quartz float in 2' x 2' x 1' quartz; trace Pb
139067	As per 66: grey quartz with trace Pb, Cu, pyrite and limonite, V.g. with pyrite
139068	Line 8 – 1100: 36" chip sample of talus boulder; mm size quartz veins with limonite in calcareous sediments
139069	Line 8 ± 500: possible volcanic with mm size white quartz vein with limonite, non-calcareous

APPENDIX B

GEOCHEMICAL SHEETS

CARTER RIDGE

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Berdahl, Ron File # A406682
Box 11250, Whitehorse YT Y1A 6N4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
SI	.4	.7	.5	1	<.1	.9	.1	18	.07	<.5	.1	2.9	.1	3	<.1	15.1	<.1	<1	.14	.001	<1	1.0	.01	4	.001	<1	.01	.519	.01	<.1	.01	<.1	<.1	<.05	<1	<.5
A139051	.1	807.6	51.5	120	16.4	9.3	1.7	31	.17	.5	.1	82.0	<.1	148	9.3	>2000	.6	1	.72	<.001	<1	<1	.04	39	<.001	5	.04	.193	.02	<.1	5.30	<.1	.1	.11	<1	<.5
A139052	3.2	19.3	6.8	14	.1	4.6	1.2	83	1.02	3.0	.2	.6	.9	3	.1	1458.9	.1	9	.04	.018	2	8.0	.02	10	.001	<1	.07	.011	<.01	.2	.05	.6	<.1	<.05	<1	<.5
A139053	.6	668.5	233.0	15	6.2	8.0	34.3	719	18.45	>10000	.2	12.6	.9	285	.6	>2000	206.0	24	11.53	.033	1	5.9	3.72	31	.001	1	.09	.004	.02	<.1	.06	2.6	<.1	>10	1	24.8
A139054	.5	29.5	4.4	13	.1	5.1	1.1	52	.88	51.5	.2	4.2	1.0	11	<.1	146.4	1.7	8	.07	.013	4	7.7	.16	142	.005	<1	.28	.003	.04	.1	.14	.7	<.1	<.05	1	.5
A139055	1.6	5.8	15.5	20	<.1	4.5	1.0	204	1.36	5.6	.1	1.1	.3	104	.2	42.9	.1	4	1.09	.012	1	4.3	.33	76	<.001	<1	.05	.006	.02	<.1	.04	.7	<.1	<.05	<1	<.5
A139056	1.3	34.5	6.4	307	.3	35.8	4.0	1905	19.70	6.1	1.3	.5	.5	398	3.8	12.1	.1	60	.81	.039	2	27.8	2.04	81	.003	4	.83	.003	<.01	.1	.10	5.1	.1	2.17	3	11.9
A139057	.4	1355.9	>10000	>10000	81.0	.4	.1	10856	2.32	>10000	.7	329.5	.6	177	226.9	398.9	<.1	4	11.97	.047	11	1.3	.21	49	<.001	<1	.06	.006	.06	<.1	3.00	<.1	<.1	3.15	2	52.5
A139058	.7	58.2	114.0	125	.5	18.4	6.3	345	3.29	97.2	.1	16.8	.1	77	1.1	14.5	<.1	3	.16	.013	1	5.1	.24	38	.001	<1	.23	.005	.02	.1	.08	1.0	<.1	2.98	<1	.8
A139059	24.3	51.7	20.4	839	.5	59.7	7.8	587	6.35	63.4	4.9	.6	1.6	421	3.8	14.1	<.1	149	4.49	.048	5	8.6	2.12	708	.009	2	.57	.010	.10	.1	.25	1.4	.5	.13	2	8.5
A139060	2.7	47.3	10.9	3413	.2	187.6	40.2	1449	36.76	17.6	8.9	.7	1.0	104	1.0	2.7	.1	10	.31	.023	6	5.4	.19	709	.002	1	.34	.008	.06	<.1	.05	4.5	.1	<.05	1	1.9
A139061	20.0	608.0	137.0	499	4.2	17.6	23.2	533	7.81	36.8	.4	2.9	.8	47	6.6	8.9	12.3	3	1.38	.030	2	4.6	.68	28	.001	<1	.11	.003	.04	.1	.97	2.0	.2	5.41	<1	9.7
A139062	.7	67.3	25.2	137	.3	7.0	1.8	149	1.55	7.1	.2	<.5	.9	8	1.0	2.3	.4	12	.06	.008	3	7.3	.04	40	.001	<1	.05	.001	.01	.1	.20	.7	<.1	.07	<1	.7
A139063	.5	108.5	12.6	46	.5	6.2	35.8	878	5.13	1705.7	<.1	60.3	.2	172	.3	2.9	.1	41	3.21	.040	2	1.6	.82	39	.008	<1	.42	.024	.17	.5	<.01	10.5	.1	2.98	2	1.2
A139064	.6	91.9	95.1	60	.3	11.3	7.0	703	3.17	13.3	.1	4.7	.1	181	.3	1.2	.4	23	3.72	.025	2	1.7	.27	36	.005	1	.33	.009	.08	.1	<.01	6.1	<.1	<.05	1	.6
RE A139064	.7	90.2	93.0	62	.3	11.2	6.9	717	3.18	12.4	.1	1.6	.1	178	.2	1.3	.4	23	3.74	.024	2	1.9	.27	36	.004	2	.34	.009	.09	.1	.01	6.0	<.1	<.05	1	.7
A139065	.3	18.1	7.9	34	.1	18.1	8.1	433	2.34	3.4	.1	1.9	1.3	7	.1	1.0	<.1	35	.13	.042	4	37.5	1.23	45	.005	2	1.23	.003	.12	<.1	<.01	4.1	<.1	<.05	3	<.5
A139066	.7	696.4	>10000	875	24.6	2.1	.7	99	1.64	30.4	.1	2420.3	<.1	4	5.6	16.5	3.0	4	.01	.003	<1	2.1	.02	9	.001	<1	.04	.003	.01	.1	.03	.1	<.1	.22	<1	3.0
A139067	1.0	782.3	3221.0	1134	18.6	2.7	1.8	149	2.28	14.3	.2	24997.8	.2	6	3.0	4.7	.4	9	.07	.011	6	3.0	.09	18	.008	1	.15	.003	.02	.5	.05	2.1	<.1	<.05	1	1.7
A139068	.7	247.5	110.0	103	1.0	9.1	21.5	1306	6.42	371.9	.1	83.7	.2	116	.2	2.0	<.1	89	2.32	.044	2	4.0	.53	82	.025	1	1.17	.068	.24	1.0	.01	13.9	.1	1.80	4	.9
A139069	1.6	12.3	35.9	44	.1	26.2	6.1	614	1.82	7.7	1.1	21.4	4.7	14	.1	.9	<.1	17	.48	.077	16	13.4	.21	95	.004	<1	.71	.025	.31	.1	<.01	2.9	.2	<.05	2	<.5
A139071	2.2	9.8	23.1	6	.1	1.5	.4	87	.83	7.6	.1	6.0	.2	2	.1	1.9	<.1	3	.01	.019	1	1.8	<.01	61	.001	<1	.03	.002	.01	<.1	<.01	.2	<.1	<.05	<1	<.5
A139072	.2	2.8	9.9	4	<.1	1.6	.4	98	.72	1.1	<.1	5.2	<.1	2	<.1	.7	<.1	1	.01	.001	<1	1.8	<.01	10	<.001	<1	.01	.004	<.01	<.1	.01	.1	<.1	<.05	<1	<.5
A139073	.4	25.5	7.8	5	<.1	2.9	.7	106	.97	1.5	<.1	8.3	.1	2	<.1	1.2	<.1	2	.01	.003	<1	2.8	.03	73	.002	<1	.04	.002	.02	<.1	<.01	.1	<.1	<.05	<1	<.5
A139074	.6	3.9	5.9	19	<.1	7.1	4.2	382	2.19	4.3	.3	3.1	.4	2	.2	1.4	<.1	8	.05	.010	3	3.5	.13	58	.001	<1	.50	.001	.08	<.1	<.01	2.4	<.1	<.05	1	<.5
A139075	.4	17.3	9.1	30	.1	23.4	7.0	259	1.92	1.5	1.0	3.3	8.9	6	.1	.7	.4	15	.11	.024	18	17.2	.34	69	.024	3	.75	.015	.24	<.1	.01	1.7	.1	<.05	3	.9
A139076	.3	7.3	4.0	3	.1	3.6	1.8	95	.71	4.2	<.1	2.0	<.1	1	<.1	.4	.3	1	.01	<.001	<1	1.2	.01	4	<.001	1	.04	.001	.02	<.1	<.01	.1	<.1	<.05	<1	<.5
A139095	.7	27.3	2.4	22	.1	7.1	3.2	436	.96	1.1	.3	5.1	.6	4	.1	.5	.1	7	.12	.017	3	3.6	.06	93	.006	<1	.13	.002	.07	<.1	<.01	.3	<.1	<.05	1	<.5
A139096	.2	3.4	2.3	3	.1	1.8	.6	102	.63	2.0	<.1	4.6	.1	1	.1	.4	.1	2	.01	.001	<1	1.7	.01	7	.001	<1	.03	.002	.01	<.1	<.01	.1	<.1	<.05	<1	<.5
A139097	.3	2.5	1.9	6	<.1	2.8	.8	121	.75	.8	.1	1.4	.2	4	.1	.4	<.1	1	.06	.008	1	1.9	.02	10	<.001	<1	.05	.004	.03	<.1	.01	.1	<.1	<.05	<1	<.5
A139098	10.9	37.6	111.0	80	1.8	4.1	1.3	210	4.86	424.3	3.3	19.1	4.2	57	2.2	9.2	1.5	137	.11	1.149	8	19.5	.05	183	.017	6	.51	.008	.67	.6	.05	3.2	.2	1.01	3	17.2
A139099	1.4	121.5	3.9	16	.1	20.0	17.7	165	2.28	21.3	.8	3.3	1.3	5	<.1	3.6	.1	24	.12	.018	4	14.9	.28	26	.029	3	.44	.022	.04	<.1	.01	2.8	<.1	<.05	2	<.5
A139100	9.1	92.4	5.6	81	.3	64.3	13.4	2262	35.11	<.5	5.7	9.6	.9	6	.9	60.8	.2	46	.07	.028	5	7.0	.12	8	.004	<1	.21	.002	.04	.1	.17	.8	.5	>10	1	63.5
STANDARD DS5	13.0	142.6	24.2	138	.2	25.1	12.0	761	2.99	18.0	6.1	45.1	2.9	50	5.7	4.0	6.1	62	.77	.093	13	191.6	.68	141	.109	19	2.05	.033	.15	4.8	.19	3.5	1.1	<.05	6	5.0

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data f FA ____ DATE RECEIVED: OCT 25 2004 DATE REPORT MAILED: Nov 23/04

Assay recommend for over limits

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Berdahl, Ron File # A406682
Box 11250, Whitehorse YT Y1A 6N4

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	DupAu gm/mt	TotAu gm/mt
SI	<1	<.01	<.01	-	<.01
A139051	86	<.01	.10	-	.10
A139052	351	<.01	<.01	-	<.01
A139053	176	<.01	.04	-	.04
A139054	773	<.01	.01	-	.01
A139055	182	<.01	<.01	-	<.01
A139056	414	<.01	<.01	-	<.01
A139057	1657	<.01	.50	-	.50
A139058	446	<.01	.02	-	.02
A139059	586	<.01	<.01	-	<.01
A139060	1099	<.01	.01	-	.01
A139061	1712	<.01	.01	-	.01
A139062	1867	<.01	<.01	-	<.01
A139063	598	<.01	.07	-	.07
A139064	1411	<.01	.01	<.01	.01
A139065	798	<.01	<.01	-	<.01
A139066	909	.75	2.15	-	2.98
A139067	253	1.12	23.14	-	27.57
A139068	145	<.01	.13	-	.13
A139069	259	<.01	.03	-	.03
A139071	442	<.01	.01	-	.01
A139072	279	<.01	.02	-	.02
A139073	173	<.01	.01	-	.01
A139074	485	<.01	<.01	-	<.01
A139075	715	<.01	1.44	-	1.44
A139076	581	<.01	.86	-	.86
A139095	381	<.01	.02	-	.02
A139096	817	<.01	.11	-	.11
A139097	336	<.01	1.00	-	1.00
A139098	267	<.01	.11	-	.11
A139099	67	<.01	.02	-	.02
A139100	288	<.01	.02	-	.02
STANDARD AU-1	<1	<.01	3.35	-	3.35

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: ROCK R150 60C

Data___ FA DATE RECEIVED: OCT 25 2004 DATE REPORT MAILED: Nov. 23/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Berdahl, Ron File # A406682
Box 11250, Whitehorse YT Y1A 6N4

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	DupAg gm/mt	TotAg gm/mt
SI	<1	<.06	<2	-	<2
A139051	86	<.06	21	-	21
A139052	351	<.06	<2	-	<2
A139053	176	<.06	8	-	8
A139054	773	<.06	<2	-	<2
A139055	182	<.06	<2	-	<2
A139056	414	<.06	<2	-	<2
A139057	1657	<.06	83	-	83
A139058	446	<.06	<2	-	<2
A139059	586	<.06	<2	-	<2
A139060	1099	<.06	<2	-	<2
A139061	1712	<.06	6	-	6
A139062	1867	<.06	<2	-	<2
A139063	598	<.06	<2	-	<2
A139064	1411	<.06	<2	<2	<2
A139065	798	<.06	<2	-	<2
A139066	909	<.06	26	-	26
A139067	253	.33	20	-	21
A139068	145	<.06	<2	-	<2
A139069	259	<.06	<2	-	<2
A139071	442	<.06	<2	-	<2
A139072	279	<.06	<2	-	<2
A139073	173	<.06	<2	-	<2
A139074	485	<.06	<2	-	<2
A139075	715	<.06	<2	-	<2
A139076	581	<.06	<2	-	<2
A139095	381	<.06	<2	-	<2
A139096	817	<.06	<2	-	<2
A139097	336	<.06	<2	-	<2
A139098	267	<.06	2	-	2
A139099	67	<.06	<2	-	<2
A139100	288	<.06	<2	-	<2
STANDARD R-2a	<1	<.06	155	-	155

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: ROCK R150 60C

Data___ FA ____ DATE RECEIVED: OCT 25 2004 DATE REPORT MAILED: Nov.23/04...

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Berdahl, Ron File # A400379

Box 11250, Whitehorse YT Y1A 6N4 Submitted by: Ron Berdahl

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
03 D9 D-76	1.0	35.9	8.0	52	.2	190.9	21.0	696	3.17	15.4	.8	3.0	.5	30	.2	.4	.2	65	.68	.068	11	123.5	2.01	208	.056	4	1.92	.013	.05	.2	.02	3.9	.1	.07	6	.6
03 D9 D-79	.8	14.9	8.2	39	.1	147.2	14.8	431	2.41	7.5	.5	3.4	.7	18	.1	.3	.2	46	.28	.054	11	105.9	1.27	122	.057	5	1.36	.011	.05	.2	.01	2.7	.1	<.05	5	.5
L1-0	.6	20.6	5.0	76	.1	322.1	31.7	687	3.12	4.3	.6	.6	.6	24	.5	.3	.1	45	.40	.085	10	196.8	2.46	167	.038	3	1.28	.013	.05	.3	.01	3.6	<.1	<.05	4	<.5
L1-100	.3	18.4	3.7	28	<.1	237.2	23.9	391	2.76	4.0	.3	3.1	1.8	16	.1	.3	.1	43	.29	.037	8	163.4	2.40	68	.062	5	1.22	.009	.04	.2	.01	3.6	<.1	<.05	3	<.5
L1-200	.5	46.0	5.7	38	.2	427.4	32.9	881	3.20	6.0	.9	2.8	1.4	28	.2	.3	.1	53	.56	.047	11	210.7	2.50	157	.048	4	1.54	.014	.06	.2	.01	6.1	<.1	<.05	4	<.5
L1-300	.6	48.4	5.3	33	.1	209.6	18.1	533	2.13	4.8	.7	3.0	.5	35	.2	.3	.1	39	.84	.105	8	129.0	1.31	146	.027	4	1.23	.017	.04	.2	.04	3.2	.1	<.05	3	<.5
L1-400	.7	24.7	6.2	39	.1	234.5	24.0	703	3.02	8.1	.5	2.7	1.4	16	.3	.3	.1	49	.42	.039	8	166.1	2.00	108	.057	4	1.32	.012	.05	.2	.02	3.9	<.1	<.05	4	<.5
L1-500	.5	24.6	8.6	33	.1	427.4	47.0	636	3.63	15.8	.4	2.1	1.4	14	.2	.3	.1	53	.25	.021	6	243.3	3.95	70	.066	6	1.20	.011	.05	.2	.01	4.1	<.1	<.05	3	<.5
L1-600	.8	48.5	7.7	43	.2	294.9	31.0	762	3.39	19.0	.6	2.1	.5	24	.2	.3	.1	40	.35	.097	10	203.4	1.82	96	.029	3	1.50	.012	.06	.2	.03	3.7	<.1	<.05	4	.5
L1-700	.6	34.4	7.6	58	.1	156.8	28.1	739	3.20	7.2	.4	3.5	1.3	80	.2	.3	.1	66	.56	.042	6	106.0	1.76	203	.116	4	1.85	.024	.15	.2	.04	4.7	.2	<.05	6	<.5
L1-800	1.2	178.5	9.3	53	.2	100.3	19.7	922	2.85	170.5	.8	4.9	.5	28	.4	.5	.2	58	.81	.097	10	109.5	1.08	102	.031	3	1.45	.011	.04	.2	.03	3.6	.1	<.05	5	.9
L1-900	1.0	31.7	6.7	46	.1	189.2	19.7	548	2.76	22.2	.8	2.5	.5	23	.2	.4	.1	53	.51	.087	9	145.7	1.90	109	.038	2	1.46	.012	.04	.2	<.01	3.6	.1	<.05	4	.6
L1-1000	1.1	68.1	11.8	59	.3	285.9	29.9	750	3.60	35.5	1.0	47.8	2.2	35	.2	.4	.2	71	.72	.070	10	179.8	2.84	94	.081	4	1.68	.021	.06	.1	.04	7.3	.1	<.05	5	.6
L2-0	.5	39.5	6.5	62	.1	228.4	19.9	662	3.03	6.6	.7	2.9	.7	20	.1	.4	.2	55	.51	.064	11	130.2	1.74	146	.042	3	1.60	.011	.04	.1	.02	4.2	.1	<.05	5	<.5
L2-100	.3	21.4	4.4	38	<.1	412.8	34.7	569	3.77	5.1	.3	14.7	1.2	14	<.1	.2	.1	59	.32	.026	6	252.3	4.56	95	.061	7	1.44	.009	.03	.1	.01	4.5	<.1	<.05	4	<.5
L2-200	.5	30.1	5.5	58	.1	274.4	27.5	643	3.23	5.0	.4	1.2	1.1	15	.2	.2	.1	56	.37	.051	8	208.8	2.70	76	.065	4	1.29	.010	.04	.2	.01	4.4	<.1	<.05	4	<.5
L2-300	.2	31.2	6.7	41	<.1	182.1	16.1	410	2.80	4.4	.5	12.9	1.4	16	.1	.2	.1	51	.29	.022	9	130.8	2.17	126	.063	4	1.40	.008	.03	.1	<.01	4.3	<.1	<.05	5	<.5
L2-400	.3	46.6	7.1	51	.1	272.8	24.2	604	3.25	5.5	.5	16.5	1.5	19	.1	.3	.1	65	.34	.050	8	181.4	2.98	104	.076	5	1.53	.012	.04	.2	.01	5.0	<.1	<.05	4	<.5
RE L2-400	.4	48.4	6.9	50	.1	271.3	24.2	614	3.30	5.7	.4	5.7	1.5	19	.1	.3	.1	63	.36	.049	8	176.8	2.98	101	.072	4	1.50	.011	.04	.2	.01	5.0	<.1	<.05	5	<.5
L2-500	.3	43.4	6.9	39	<.1	358.5	25.5	543	2.99	5.0	.5	5.0	1.7	19	.1	.3	.1	53	.39	.048	8	180.8	3.03	96	.074	3	1.18	.012	.03	.1	<.01	4.5	<.1	<.05	3	<.5
L2-600	.4	40.0	8.1	46	<.1	284.8	24.9	583	3.06	5.2	.4	5.3	1.7	20	.1	.3	.1	56	.33	.040	8	165.0	2.69	106	.087	5	1.25	.014	.05	.2	<.01	4.7	<.1	<.05	4	<.5
L2-700	.6	85.1	10.6	61	.1	211.8	27.2	806	4.11	7.8	.4	37.2	1.4	21	.2	.3	.1	84	.38	.034	7	167.0	2.30	74	.107	5	2.03	.010	.06	.2	.02	5.8	<.1	<.05	6	.5
L2-800	.3	70.8	12.7	67	.1	291.8	23.2	672	3.69	8.4	.5	8.9	1.7	27	.2	.3	.1	69	.55	.077	9	165.2	2.72	122	.081	5	1.74	.015	.06	.1	.02	6.5	<.1	<.05	5	<.5
L3-0	2.2	60.1	2.8	15	.2	197.9	8.7	734	.81	2.7	.6	2.4	.2	78	.2	.5	.1	12	4.66	.140	5	44.1	.40	131	.011	5	.57	.007	.02	.1	.09	.9	<.1	.38	1	2.7
L3-100	.4	32.0	5.9	35	.1	291.2	26.8	556	2.78	8.3	.7	1.8	1.9	15	.1	.4	.1	46	.30	.056	10	191.7	2.06	97	.059	3	1.23	.011	.05	.2	.01	5.4	<.1	<.05	4	<.5
L3-200	.5	19.3	6.1	32	.1	362.6	36.4	593	3.36	7.9	.3	34.4	1.1	16	<.1	.3	.1	50	.31	.053	8	264.7	3.52	89	.071	9	1.10	.011	.07	.2	<.01	3.8	<.1	<.05	4	<.5
L3-300	.6	19.4	5.4	40	.1	278.8	23.6	499	2.94	6.6	.4	<.5	.6	21	.2	.3	.1	50	.36	.069	9	194.8	2.33	144	.059	6	1.18	.012	.08	.1	<.01	3.0	.1	<.05	4	<.5
L3-400	.5	23.2	6.4	45	.1	339.7	28.5	574	3.03	7.8	.5	2.2	1.0	19	.2	.4	.1	47	.35	.057	9	195.5	2.62	103	.058	5	1.06	.012	.08	.1	<.01	3.8	<.1	.06	3	<.5
L3-500	.7	103.3	12.8	60	.2	226.5	22.6	651	3.13	11.2	.9	2.6	.8	38	.3	.4	.1	56	1.05	.116	13	131.0	1.45	108	.046	6	1.56	.015	.07	.1	.03	4.8	<.1	.10	4	.5
L3-600	.8	176.6	11.3	57	.4	298.9	26.9	823	2.63	14.3	.9	18.5	.5	50	.5	.5	.2	51	1.31	.127	17	97.4	1.18	92	.033	4	1.31	.014	.05	.2	.05	3.1	<.1	.08	4	1.0
L3-700	.9	143.3	11.3	87	.2	226.9	31.7	2127	2.74	10.5	.7	5.0	.3	56	1.8	.4	.2	52	1.76	.215	9	77.9	.94	291	.021	6	1.35	.013	.10	.2	.04	1.9	.1	.15	4	.6
L3-800	.5	17.1	6.8	40	.1	119.7	18.3	524	2.36	5.6	.5	2.1	1.6	24	.1	.3	.1	42	.39	.045	9	90.6	1.06	127	.064	2	1.02	.018	.07	.1	.03	3.5	<.1	<.05	3	<.5
STANDARD DS5	12.5	137.5	24.7	133	.3	23.7	12.0	741	2.95	18.5	5.8	44.0	2.8	48	5.3	3.9	5.9	58	.71	.086	12	181.5	.65	137	.092	17	2.09	.033	.13	4.8	.16	3.7	1.0	<.05	6	5.0

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data f FA ____ DATE RECEIVED: FEB 4 2004 DATE REPORT MAILED: Feb 10/2004

BRITISH COLUMBIA CERTIFIED ASSAYER Jacky Wang

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Berdahl, Ron File # A400159R2
Box 11250, Whitehorse YT Y1A 6N4 Submitted by: Ron Berdahl

SAMPLE#	Au** gm/mt
03 D9-90	119.10
03 D9-91	8.69
03 D9-92	2.40
STANDARD AU-1	3.32

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP

Data N FA ____ DATE RECEIVED: JAN 28 2004 DATE REPORT MAILED: Jan. 30/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Berdahl, Ron File # A406681 Page 1

Box 11250, Whitehorse YT Y1A 6N4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.7	3.2	2.4	43	<.1	4.1	4.2	549	2.03	<.5	1.9	<.5	4.7	89	<.1	<.1	.1	40	.60	.095	8	14.0	.55	226	.116	<1	.94	.074	.44	1.5	<.01	2.2	.3	<.05	5	<.5
ML1 0	.3	15.7	4.3	38	<.1	447.4	39.3	600	3.46	4.6	.4	1.0	1.3	11	.1	.2	.1	45	.21	.025	5	240.8	4.22	63	.051	6	.97	.012	.05	.2	.01	4.2	<.1	<.05	3	<.5
ML1 50	.3	12.9	4.7	33	.1	194.4	28.3	718	2.56	2.7	.3	1.1	1.7	12	.3	.2	.1	37	.19	.027	5	142.9	1.50	84	.066	1	.83	.014	.05	.2	.01	2.8	<.1	<.05	3	<.5
ML1 100	.5	11.5	3.9	36	.1	338.9	32.8	430	3.06	3.3	.3	1.9	2.1	11	.1	.3	.1	43	.27	.031	6	218.6	3.43	65	.062	4	.86	.011	.04	.2	<.01	3.4	<.1	<.05	3	<.5
ML1 150	.4	27.3	4.7	40	.1	305.1	31.4	515	2.96	4.8	.4	.8	1.7	14	.1	.3	.1	53	.34	.028	6	175.1	3.56	66	.061	4	1.30	.009	.03	.2	.01	4.0	<.1	<.05	4	<.5
ML1 300	.5	10.9	4.8	51	<.1	75.5	12.8	259	2.27	3.2	.3	2.7	1.4	12	.7	.3	.1	43	.13	.029	7	87.3	.85	74	.067	1	.83	.008	.03	.2	<.01	1.9	<.1	<.05	4	<.5
ML1 350	.4	27.2	4.1	32	.1	326.2	20.2	357	2.43	4.2	.7	34.8	.7	15	<.1	.2	.1	42	.28	.045	8	183.8	2.97	91	.043	2	1.07	.011	.03	.2	.01	3.4	.1	<.05	3	<.5
ML1 400	.3	8.2	3.7	25	<.1	196.3	20.0	317	2.15	2.7	.3	.6	2.0	11	.1	.2	.1	40	.21	.009	7	156.2	2.22	85	.073	2	.86	.011	.02	.2	<.01	2.5	<.1	<.05	3	<.5
ML1 450	.3	11.9	4.0	30	<.1	276.8	23.0	363	2.43	3.3	.4	8.8	2.2	12	.1	.3	.1	42	.22	.011	7	172.0	2.66	90	.068	3	.89	.011	.02	.1	.01	2.9	.1	<.05	3	<.5
ML1 500	.3	22.0	3.6	37	<.1	582.1	31.0	462	3.17	4.1	.7	2.7	2.3	18	.1	.3	.1	48	.31	.032	8	270.7	4.45	102	.062	6	1.06	.021	.03	.1	.01	5.7	<.1	<.05	3	<.5
ML2 0	1.0	30.1	9.3	55	.2	56.6	11.4	524	2.77	26.7	.5	19.7	.8	35	.1	.6	.1	67	.38	.053	7	86.4	1.26	237	.076	<1	1.66	.017	.14	.4	<.01	4.0	.1	<.05	6	.9
ML2 50	.7	40.8	8.8	59	.3	64.4	13.7	829	2.25	19.3	.5	2.7	.7	50	.3	.5	.1	52	.88	.094	8	70.7	.87	280	.038	1	1.28	.017	.23	.4	.03	2.5	.1	<.05	4	.7
ML2 100	.6	27.9	10.0	53	.2	62.7	13.9	783	2.23	13.9	.4	2.5	.7	24	.3	.5	.1	48	.34	.060	8	71.3	.73	160	.048	2	1.10	.011	.16	.4	.01	2.4	.1	<.05	4	<.5
ML2 150	.7	27.6	8.0	48	.2	67.0	13.5	574	2.47	14.1	.5	3.5	1.4	24	.2	.6	.2	55	.36	.043	8	88.8	1.04	141	.071	2	1.31	.014	.16	.4	.01	3.5	.1	<.05	4	.5
RE ML2 150	.8	27.3	7.4	47	.2	66.2	13.1	561	2.42	14.2	.4	5.5	1.3	24	.1	.5	.1	54	.34	.041	7	84.4	.96	129	.071	<1	1.20	.015	.15	.4	.01	3.2	.1	<.05	4	.6
ML2 200	.7	20.7	6.8	44	.1	72.1	13.0	384	2.38	9.7	.4	3.0	2.3	17	.1	.6	.1	51	.22	.057	8	86.1	1.05	88	.077	1	1.15	.010	.14	.3	<.01	3.3	.1	<.05	4	<.5
ML2 250	1.3	40.3	8.4	66	.2	110.1	14.2	760	2.31	22.7	.6	2.6	.4	39	.3	.6	.1	58	.53	.126	7	102.8	.98	238	.032	2	1.52	.021	.14	.3	.02	2.0	.1	<.05	4	.8
ML2 300	.6	21.8	6.6	49	.1	125.3	21.5	631	2.81	6.5	.4	.9	1.3	16	.2	.4	.1	59	.23	.061	8	140.3	1.33	124	.074	2	1.20	.010	.15	.4	.01	3.2	.1	<.05	4	.5
ML2 350	.7	19.6	5.7	49	.1	89.8	16.8	525	2.64	8.1	.4	2.4	.8	19	.2	.5	.2	52	.29	.077	8	115.0	1.18	146	.063	2	1.15	.010	.14	.2	.01	2.7	.1	<.05	4	<.5
ML2 400	.6	18.0	5.6	39	.1	103.3	13.4	376	2.56	8.3	.4	6.3	.6	17	.1	.5	.1	54	.25	.048	7	116.2	1.11	106	.064	1	1.14	.010	.11	.3	.01	2.6	.1	<.05	4	<.5
ML2 450	.5	20.4	10.0	41	.1	178.2	19.2	481	2.47	10.7	.4	20.8	1.1	25	.1	.4	.1	50	.42	.045	6	141.8	1.73	122	.056	4	1.09	.022	.16	.3	<.01	3.7	.1	<.05	3	<.5
ML2 500	.9	48.4	9.1	115	.3	121.4	18.8	1096	2.28	11.1	.6	.5	.6	25	1.8	.3	.2	52	.36	.062	9	82.2	.68	187	.058	1	1.11	.010	.15	.4	.01	2.6	.1	<.05	4	<.5
ML2 550	.7	16.2	5.3	45	.1	58.6	9.1	299	2.13	5.7	.4	1.2	1.3	20	.2	.4	.1	55	.30	.039	8	85.4	1.05	132	.071	2	1.21	.010	.04	.4	.01	3.1	.1	<.05	5	.5
ML2 600	.9	21.1	6.0	44	<.1	118.2	13.1	349	2.39	7.0	.4	1.8	1.5	19	.2	.4	.1	58	.25	.034	8	101.4	1.42	99	.080	2	1.14	.014	.05	.4	<.01	2.8	.1	<.05	4	<.5
ML2 650	.6	26.7	6.7	51	.1	70.8	11.9	514	2.04	8.8	.5	3.0	1.4	29	.2	.4	.1	50	.50	.065	9	77.3	1.03	123	.063	1	1.17	.019	.06	.5	.01	3.1	.1	<.05	4	<.5
ML2 700	.7	102.8	17.4	126	.2	160.1	28.7	674	4.64	19.5	.5	7.8	1.8	65	.2	.4	.2	136	.69	.066	6	127.0	2.65	372	.239	2	3.13	.062	.46	.3	.01	9.2	.3	<.05	10	<.5
ML2 750	.9	102.9	22.8	124	.2	127.5	30.6	1077	4.41	31.4	1.2	10.1	1.0	53	.3	.3	.2	144	.58	.070	7	140.4	2.33	234	.200	1	3.08	.047	.12	.4	.04	8.2	.2	<.05	10	.7
ML2 800	.7	39.5	5.6	56	.1	111.0	15.7	472	2.63	9.0	.5	3.7	1.8	21	.1	.6	.1	72	.35	.045	7	120.6	1.46	121	.127	2	1.44	.019	.13	.4	<.01	4.2	.1	<.05	5	.5
ML2 850	.3	21.0	5.0	41	.1	30.5	6.4	429	.80	6.1	.4	.7	.1	21	.6	.1	.1	23	.22	.027	4	26.0	.26	88	.038	<1	.47	.021	.05	.1	.01	1.0	.1	<.05	2	.5
ML2 900	.7	34.5	9.8	57	.1	80.0	14.5	430	2.61	13.9	.5	5.6	1.7	26	.1	.4	.2	73	.35	.039	7	96.7	1.37	131	.125	2	1.69	.019	.08	.5	.01	3.8	.1	<.05	5	<.5
ML2 950	.6	27.2	6.8	50	.1	64.2	11.2	285	2.47	9.1	.3	2.3	2.2	18	.1	.4	.2	69	.25	.034	7	87.1	1.14	123	.121	1	1.45	.014	.08	.6	.01	3.5	.1	<.05	5	<.5
ML2 1000	.7	50.2	7.8	68	.1	85.7	13.3	431	2.65	9.8	.5	4.3	2.6	36	.2	.4	.2	74	.50	.074	9	76.0	1.36	179	.138	1	1.69	.037	.20	.7	.01	4.6	.1	<.05	5	.5
ML6 0	.4	19.8	4.3	43	<.1	384.0	29.0	511	3.13	6.1	.5	3.5	1.8	24	.1	.5	.1	59	.46	.067	7	258.0	3.60	130	.080	9	1.08	.018	.05	.2	.01	4.7	.1	<.05	4	.5
ML6 50	.6	46.2	4.9	63	.3	137.5	16.5	611	2.25	6.9	1.3	3.5	1.2	53	.2	.4	.1	46	1.17	.093	11	84.2	1.29	174	.051	2	1.28	.018	.05	.3	.05	3.5	<.1	.08	3	2.5
STANDARD DS5	12.8	138.7	25.8	137	.3	24.2	12.0	783	3.04	18.3	6.4	42.1	2.7	49	5.7	3.8	6.0	61	.76	.096	12	187.5	.68	144	.097	18	2.16	.034	.14	4.8	.18	3.4	1.0	<.05	7	4.9

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data l FA ____ DATE RECEIVED: OCT 25 2004 DATE REPORT MAILED: Nov 15/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.6	2.9	2.2	39	<.1	4.3	3.6	493	1.87	<.5	1.7	<.5	4.2	80	<.1	<.1	.1	37	.54	.083	7	12.7	.49	190	.119	1	.81	.069	.39	1.5	<.01	1.9	.3	<.05	4	<.5
ML6 100	.7	78.8	8.1	110	.6	277.8	26.9	925	3.20	13.2	2.7	6.1	1.8	52	.5	.5	.2	63	1.23	.080	14	128.8	1.84	176	.065	4	1.93	.018	.10	.2	.06	6.0	.1	<.05	6	2.2
ML6 250	1.1	28.5	4.9	60	.1	132.4	14.9	357	2.89	12.3	.5	2.4	.8	18	.2	.5	.1	44	.21	.056	7	136.2	1.48	91	.043	2	1.09	.008	.03	.2	.01	2.7	.1	<.05	4	1.0
ML6 300	1.0	20.6	5.2	47	.1	180.3	21.6	525	2.96	10.0	.4	2.4	.9	14	.1	.6	.1	46	.24	.040	7	145.6	1.84	76	.048	3	1.11	.011	.04	.2	.01	2.7	.1	<.05	4	.5
ML6 350	.8	48.0	5.4	46	.1	209.4	21.9	582	2.66	14.1	.8	1.8	.7	24	.2	.5	.1	41	.45	.062	10	112.3	1.41	101	.038	2	1.10	.011	.04	.2	.01	2.7	.1	<.05	3	1.3
ML6 400	10.3	114.2	8.1	142	.2	190.0	36.2	1845	7.96	71.2	1.0	2.5	.9	28	.7	2.8	.2	36	.56	.133	15	63.2	.78	113	.029	1	1.94	.010	.04	.2	.02	4.4	.1	<.05	3	3.7
ML6 450	1.5	23.4	6.4	52	.1	126.1	17.7	493	3.37	13.3	.5	10.6	.5	15	.2	.6	.1	50	.27	.049	7	147.8	1.34	86	.049	2	1.11	.010	.05	.2	.01	1.9	.1	<.05	5	.8
ML6 500	.8	24.6	5.9	43	.1	143.6	17.2	432	3.09	12.4	.5	9.0	.6	11	.1	.5	.1	46	.23	.064	7	149.8	1.51	91	.041	1	1.31	.007	.03	.2	.01	2.1	.1	<.05	5	.5
ML6 550	.7	29.9	6.6	48	.2	101.2	17.6	552	2.88	9.1	.5	1.3	.5	13	.1	.4	.1	50	.21	.061	8	131.1	.99	90	.051	1	1.26	.008	.05	.2	.02	2.4	.1	<.05	5	.5
ML6 600	.7	26.7	7.2	47	.1	115.4	17.5	414	2.85	6.8	.4	1.4	.4	15	.3	.4	.1	47	.32	.091	7	148.0	1.06	80	.042	1	1.04	.009	.05	.2	.01	1.9	.1	<.05	4	.5
ML6 650	.7	17.4	7.0	39	.1	109.5	18.5	475	2.93	7.5	.4	2.7	2.0	14	.3	.4	.1	54	.30	.032	6	129.3	1.23	108	.082	2	1.27	.008	.05	.3	.02	2.7	.1	<.05	5	<.5
ML7 0	2.9	17.7	5.3	62	<.1	108.3	13.7	364	2.31	5.5	.5	2.7	.8	12	.5	.5	.1	45	.24	.050	8	99.1	1.21	65	.052	1	1.07	.009	.05	.3	.01	1.9	.1	<.05	4	.7
ML7 50	6.1	14.5	4.6	37	<.1	128.2	13.9	335	2.26	4.8	1.0	1.8	1.3	14	.1	.4	.1	45	.24	.025	8	123.2	1.54	86	.072	2	.99	.010	.04	.4	.01	2.4	.1	<.05	4	.5
ML7 100	7.7	22.5	4.4	53	<.1	119.8	10.4	332	2.18	6.3	1.4	1.4	.4	16	.2	.3	.1	42	.20	.044	8	106.4	1.28	109	.036	2	1.10	.011	.04	.4	.01	1.8	.1	<.05	4	.6
ML7 150	3.2	18.1	7.5	40	.1	82.0	10.7	289	2.50	7.4	1.2	1.4	3.3	15	.2	.4	.2	55	.22	.050	10	89.9	.83	98	.079	1	1.20	.009	.06	.5	.01	2.6	.1	<.05	5	<.5
ML7 200	1.8	19.1	4.9	54	.1	122.2	12.2	323	2.34	7.7	1.2	9.3	.6	12	.3	.4	.1	46	.20	.058	8	112.9	1.40	73	.045	3	1.07	.008	.04	.3	.01	1.6	<.1	<.05	4	<.5
ML7 250	1.6	13.8	5.4	54	<.1	159.3	17.2	506	2.63	4.9	.6	1.4	.6	14	.3	.4	.1	50	.21	.047	7	138.6	1.69	118	.045	2	1.05	.010	.04	.3	.01	2.1	.1	<.05	5	<.5
ML7 300	.5	18.6	3.6	31	<.1	428.2	29.3	501	2.60	4.1	.8	4.0	2.4	17	.1	.4	.1	37	.39	.053	9	179.4	3.22	116	.057	5	.83	.023	.04	.2	.01	3.4	<.1	<.05	3	<.5
ML7 350	.5	13.5	4.7	32	<.1	300.1	29.8	581	2.70	4.3	.5	2.9	1.7	13	.1	.4	.1	41	.25	.024	6	175.6	2.86	108	.058	5	.99	.013	.04	.2	.01	3.5	<.1	<.05	3	<.5
RE ML7 350	.4	13.5	4.7	34	<.1	294.8	27.2	586	2.63	4.6	.5	2.2	1.7	14	.2	.3	.1	42	.26	.024	6	174.2	2.95	108	.058	3	1.01	.013	.04	.2	.01	3.6	<.1	<.05	3	.5
ML7 400	.6	30.9	5.0	45	.1	612.6	35.9	641	3.28	6.0	.6	4.1	3.3	23	.1	.6	.1	46	.45	.054	10	217.7	4.65	153	.069	9	1.14	.029	.07	.1	.03	5.3	.1	<.05	4	.6
ML7 450	.5	9.3	4.1	33	<.1	132.4	11.1	247	2.04	3.5	.3	1.1	2.2	11	.2	.2	.1	42	.23	.020	7	105.5	1.75	96	.070	3	.98	.008	.04	.2	.01	2.4	.1	<.05	4	<.5
ML7 500	.5	15.4	4.5	33	<.1	192.0	17.4	384	2.20	4.3	.5	1.0	2.5	12	.2	.4	.1	40	.20	.014	7	118.2	1.88	85	.070	2	.92	.012	.03	.2	<.01	3.1	<.1	<.05	3	.5
ML7 550	.5	17.8	4.1	36	<.1	344.1	31.2	538	2.86	5.1	.4	2.8	2.2	13	.1	.4	.1	48	.25	.020	7	207.6	3.21	94	.082	5	1.08	.012	.03	.2	.01	3.6	<.1	<.05	3	<.5
ML7 600	1.1	12.4	15.2	114	.1	62.1	11.1	394	2.31	5.6	.8	1.5	2.3	15	1.4	.4	1.0	45	.18	.046	9	58.8	.63	119	.056	1	1.27	.008	.05	1.3	.02	2.0	.1	<.05	4	.5
ML7 650	.5	9.8	4.8	41	.1	47.3	7.6	268	1.86	3.6	.5	2.5	3.0	10	.3	.3	.3	37	.13	.017	7	42.1	.55	59	.060	1	.96	.006	.05	.5	<.01	1.9	.1	<.05	4	.5
ML7 700	.6	17.8	4.5	37	.1	107.9	13.8	397	2.32	5.2	.4	6.9	2.2	15	.1	.4	.1	50	.31	.032	7	95.5	1.42	106	.082	2	1.13	.010	.05	.2	.01	2.9	.1	<.05	4	<.5
ML7 750	.7	16.5	6.3	69	.1	47.8	12.2	519	2.23	5.0	.4	1.4	1.0	15	.4	.4	.2	53	.23	.047	9	72.6	.80	121	.072	3	1.24	.009	.06	.3	.01	2.6	.1	<.05	5	<.5
ML7 800	.9	15.7	4.6	45	.1	34.5	9.2	320	2.13	5.0	.7	2.5	2.5	14	.2	.5	.2	50	.29	.043	8	47.6	.71	90	.102	1	1.03	.010	.13	.4	.01	2.9	.1	<.05	5	<.5
ML7 850	.6	12.9	5.9	47	<.1	89.3	12.7	322	2.39	5.6	.4	2.6	2.9	11	.3	.4	.2	47	.23	.084	8	78.5	1.20	80	.066	2	1.06	.007	.05	.4	<.01	2.4	<.1	<.05	4	.5
ML7 900	1.4	26.7	7.0	109	.1	47.6	17.5	691	3.20	10.5	.5	3.8	2.2	14	.6	.8	.7	67	.26	.080	7	70.1	.83	154	.097	2	1.44	.009	.08	.7	.02	4.0	.1	<.05	5	<.5
ML7 950	1.2	16.6	6.2	60	.1	37.0	11.7	470	2.57	7.0	.5	2.9	2.2	17	.3	.5	.6	55	.29	.051	9	59.7	.72	111	.098	2	1.11	.009	.09	1.1	.01	2.9	.1	<.05	5	.6
ML8 0	7.3	16.9	5.5	36	.1	97.5	9.8	386	1.92	5.2	2.0	5.5	5.4	20	.1	.3	.1	40	.38	.075	15	69.8	1.12	78	.067	2	.78	.015	.06	.7	.01	2.2	.1	<.05	3	<.5
ML8 50	12.3	21.8	5.9	59	.1	87.6	10.3	391	2.04	5.3	2.6	2.8	1.3	27	.1	.3	.2	47	.45	.052	10	85.9	1.18	113	.058	2	1.32	.013	.06	.4	.02	2.9	.1	<.05	4	<.5
STANDARD DS5	12.5	140.8	24.9	140	.3	23.1	11.7	781	3.02	17.7	6.3	43.4	2.8	47	5.3	3.7	6.1	59	.74	.090	12	189.5	.68	135	.097	16	2.05	.031	.15	5.3	.18	3.4	1.1	<.05	6	5.0

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

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.7	3.3	2.1	40	<.1	4.9	3.8	511	1.76	<.5	1.7	<.5	4.2	84	<.1	<.1	.1	41	.52	.071	7	14.1	.48	193	.118	2	.83	.068	.38	1.2	<.01	2.2	.3	<.05	4	<.5
ML8 100	27.7	30.9	7.7	64	.1	123.0	16.6	727	2.44	6.6	6.2	5.8	1.7	38	.1	.4	.2	55	.68	.066	13	96.2	1.13	163	.065	2	1.56	.021	.06	.4	.03	3.7	.1	.06	5	.7
ML8 150	10.3	23.8	6.7	69	.1	97.9	14.1	686	2.04	5.0	1.7	1.5	1.4	32	.1	.3	.1	45	.59	.042	8	85.2	1.08	129	.052	3	1.25	.014	.05	.4	.03	2.8	.1	<.05	5	<.5
ML8 200	10.4	39.4	9.4	67	.3	93.7	13.9	585	2.28	8.5	3.2	2.4	2.5	38	.2	.3	.2	53	.50	.045	14	89.9	.85	183	.057	2	1.50	.014	.06	.5	.02	4.4	.1	<.05	5	<.5
ML8 250	11.8	21.6	5.9	65	.1	94.3	12.8	320	2.28	7.8	.7	2.1	1.1	12	.5	.5	.1	51	.19	.029	7	128.2	.85	74	.070	2	.84	.009	.04	.4	.02	2.5	.1	<.05	5	<.5
ML8 300	15.3	31.1	7.0	60	.1	115.8	16.3	668	2.60	8.1	1.7	2.2	2.1	24	<.1	.4	.2	66	.41	.047	10	99.3	1.25	171	.096	2	1.63	.015	.05	.5	.02	4.1	.1	<.05	6	<.5
ML8 350	12.2	38.5	8.2	84	.1	142.1	15.7	766	3.00	9.3	3.2	3.2	3.6	28	.2	.5	.2	68	.48	.046	13	102.6	1.46	163	.113	2	1.61	.019	.09	.9	.01	5.3	.1	<.05	5	.7
ML8 400	7.7	18.6	6.7	61	.1	111.8	13.4	412	2.26	6.6	.8	4.5	2.7	16	.3	.4	.2	51	.26	.052	9	97.6	1.18	84	.085	2	1.14	.014	.05	1.1	.01	2.8	.1	<.05	4	<.5
ML8 450	9.2	39.6	8.9	111	.1	114.3	15.7	747	2.48	7.3	1.7	1.9	1.9	42	.6	.4	.2	60	.76	.058	10	91.4	1.27	130	.081	2	1.55	.021	.05	.7	.02	4.0	.1	<.05	5	.5
ML8 500	22.2	53.8	30.8	222	.6	97.3	17.2	700	2.46	21.8	4.4	4.5	2.5	19	1.3	1.2	.4	50	.23	.060	16	94.6	1.05	106	.051	3	1.55	.011	.05	.5	.02	3.1	.1	<.05	4	<.5
ML8 550	7.9	101.9	9.1	160	.4	72.3	13.7	587	2.69	8.6	2.4	4.9	4.1	38	.7	.6	.4	71	.65	.061	14	69.2	1.15	147	.119	2	1.58	.024	.09	1.2	.02	5.8	.1	<.05	5	<.5
ML8 600	14.4	116.1	10.3	206	.5	98.2	21.0	833	3.85	9.9	1.6	5.3	3.1	52	.6	.5	.6	106	.94	.056	14	89.8	1.53	273	.168	2	2.71	.029	.15	1.7	.04	10.5	.2	<.05	9	1.1
RE ML8 600	13.9	120.5	9.7	204	.4	94.7	20.6	811	3.72	9.3	1.6	4.6	3.0	50	.5	.5	.6	114	.89	.056	13	89.0	1.54	262	.172	2	2.53	.030	.15	1.7	.04	10.8	.2	<.05	8	.8
ML8 650	12.9	74.8	6.8	75	.3	133.1	19.1	575	2.46	6.7	1.5	3.7	2.0	42	.2	.3	.2	63	.76	.074	11	88.5	1.23	156	.076	2	1.64	.023	.05	.6	.03	4.6	.1	<.05	5	.7
ML8 700	4.8	68.9	7.5	76	.3	160.4	21.4	682	2.59	11.1	1.4	3.0	1.2	45	.2	.4	.4	71	1.20	.078	9	104.3	1.43	200	.075	3	1.53	.019	.06	.7	.02	4.0	.1	<.05	5	.6
ML8 750	.5	10.6	4.0	54	<.1	185.8	23.8	400	2.35	2.7	.3	2.8	1.3	14	.4	.3	.1	44	.27	.031	6	178.1	1.79	72	.065	4	.75	.010	.05	.3	.02	2.6	<.1	<.05	4	<.5
ML8 800	.5	11.5	4.3	43	<.1	130.3	14.2	230	2.31	3.5	.3	.7	1.3	12	.2	.3	.1	47	.16	.025	7	119.6	1.28	144	.060	2	1.07	.011	.03	.2	.01	2.6	.1	<.05	4	<.5
ML8 850	.4	16.8	6.5	44	.1	184.6	19.7	363	2.65	5.8	.4	10.4	1.5	18	.1	.3	.1	54	.28	.025	6	163.3	1.79	96	.078	3	1.14	.015	.09	.2	<.01	3.8	.1	<.05	4	<.5
ML8 900	.4	15.2	5.0	43	<.1	218.7	25.3	499	2.55	4.6	.4	1.5	2.0	15	.1	.3	.1	48	.25	.035	7	178.6	2.23	98	.077	4	1.04	.013	.09	.2	.01	3.5	.1	<.05	4	<.5
ML8 950	.5	22.0	6.5	46	.1	407.1	47.1	769	3.41	6.8	.5	1.5	1.7	18	.4	.3	.1	57	.32	.033	6	282.0	4.05	117	.079	7	1.20	.018	.16	.2	.01	4.6	.1	<.05	4	<.5
ML8 1000	.4	21.0	5.8	44	.1	113.8	15.1	477	1.64	3.5	.4	.5	1.3	24	.3	.2	.1	36	.31	.028	6	78.1	.77	144	.070	2	.88	.020	.10	.2	.02	3.0	.1	<.05	4	<.5
ML8 1050	.4	20.0	4.3	37	<.1	335.2	23.8	402	2.39	5.2	.5	4.1	1.5	17	.1	.3	.1	43	.35	.033	7	177.9	3.13	99	.055	3	.95	.011	.03	.1	<.01	3.5	<.1	<.05	3	<.5
ML8 1100	.5	34.3	4.3	36	.1	344.5	23.4	439	2.36	6.1	.8	2.2	1.4	22	.1	.3	.1	42	.50	.039	8	188.8	2.72	104	.050	6	1.01	.015	.03	.1	.02	4.4	<.1	<.05	3	<.5
ML8 1150	.5	62.4	14.1	55	.1	293.1	30.2	616	3.23	69.9	1.0	5.6	1.0	29	.1	.3	.1	57	.59	.053	6	173.5	2.73	103	.055	4	1.38	.019	.06	.1	.03	5.0	.1	<.05	4	.5
ML9 0	.8	40.0	6.2	52	.1	47.2	10.9	415	2.51	10.5	.8	8.2	2.4	20	.2	.6	.2	71	.36	.055	10	60.2	.79	127	.124	2	1.25	.012	.11	.4	.02	3.8	.1	<.05	5	<.5
ML9 50	1.0	26.4	8.7	68	.1	26.8	10.5	348	2.94	10.5	.6	2.9	2.2	21	.5	.5	.2	74	.29	.088	9	59.5	.78	91	.113	1	1.72	.013	.09	.4	.02	3.1	.1	<.05	5	.5
ML9 100	1.1	54.8	7.3	77	.1	64.1	14.1	512	2.66	10.7	.7	4.1	2.8	24	.4	.5	.6	78	.36	.064	9	66.5	1.14	148	.173	2	1.52	.024	.20	1.0	.02	4.0	.2	<.05	5	<.5
ML9 150	2.0	22.0	6.2	71	.1	27.8	9.6	368	3.01	7.7	.8	2.0	1.0	19	.3	.5	.3	74	.25	.044	9	57.8	.70	116	.091	1	1.43	.010	.08	.6	.02	2.9	.1	<.05	7	<.5
ML9 200	1.0	30.6	7.5	55	.1	59.6	14.6	508	2.86	10.9	.7	2.9	1.5	17	.1	.8	.3	62	.31	.061	11	66.6	1.05	143	.087	2	1.98	.010	.08	.4	.02	3.9	.1	<.05	6	.5
ML9 250	2.2	27.2	7.6	67	.1	42.0	11.4	464	2.82	8.5	.9	1.3	.6	19	.2	.6	.3	66	.21	.047	9	74.1	.87	181	.065	2	1.55	.008	.06	.7	.02	3.0	.1	<.05	6	<.5
ML9 300	2.0	23.1	6.2	70	.1	37.7	10.2	434	2.82	9.1	.8	1.4	.9	15	.2	.5	.2	72	.18	.055	9	77.4	.78	144	.076	2	1.82	.009	.07	.5	.02	3.3	.1	<.05	6	<.5
ML9 350	1.3	18.0	6.5	49	.1	40.2	9.1	351	2.26	5.8	.5	.7	.6	15	.3	.4	.2	58	.20	.034	9	87.5	.78	149	.075	2	1.45	.009	.05	.6	.01	2.6	.1	<.05	5	<.5
ML9 400	1.9	31.1	7.0	57	.1	51.6	11.9	376	2.80	9.6	.8	9.7	2.0	18	.2	.6	.4	71	.27	.041	9	80.2	.90	110	.112	3	1.45	.009	.12	1.8	.02	3.1	.1	<.05	5	<.5
ML9 450	1.1	20.1	13.1	48	.1	39.0	10.7	323	2.61	9.9	.5	2.1	3.0	18	.2	.6	.5	72	.25	.047	10	63.4	.80	107	.104	2	1.49	.010	.10	.9	<.01	3.4	.1	<.05	5	<.5
STANDARD DS5	12.5	140.9	25.2	136	.3	24.7	11.9	793	3.00	18.1	6.3	42.9	2.9	47	5.7	3.9	6.0	62	.76	.086	12	190.3	.66	140	.096	17	2.05	.032	.15	5.0	.20	3.7	1.1	<.05	6	4.9

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

Data A /FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.3	3.3	2.2	49	<.1	4.6	4.5	538	1.95	<.5	1.9	1.1	4.4	89	<.1	<.1	.1	44	.53	.076	7	13.1	.54	245	.128	1	.95	.120	.52	1.2	<.01	3.3	.3	<.05	5	<.5
ML9 500	1.0	17.1	6.1	44	.1	24.6	7.8	276	2.25	6.2	.6	2.5	2.3	14	.1	.4	.2	61	.19	.028	10	53.0	.56	119	.099	1	1.33	.009	.06	.5	.01	3.0	.1	<.05	5	<.5
ML9 550	4.3	40.3	10.0	64	.1	59.7	11.5	364	3.04	12.3	2.9	3.4	1.5	18	.2	.6	.6	75	.25	.041	12	71.6	.87	137	.069	2	2.00	.010	.09	1.0	.02	3.7	.1	<.05	6	.6
ML9 600	.8	22.6	5.6	44	.1	47.0	9.1	251	2.15	8.1	.6	4.8	2.1	15	.1	.4	.2	54	.26	.042	9	62.4	.79	92	.078	1	1.16	.008	.05	.5	.01	2.8	.1	<.05	4	<.5
ML9 650	1.1	19.8	6.3	48	.1	35.1	8.7	299	2.31	9.6	.7	136.5	1.4	14	.1	.5	.2	51	.21	.051	10	48.1	.57	104	.056	2	1.11	.008	.07	.5	.01	2.4	.1	<.05	4	<.5
ML9 700	.9	29.9	6.9	54	.1	90.1	20.9	743	2.34	8.4	.9	1.7	.5	26	.6	.5	.3	50	.51	.099	9	85.9	.84	148	.039	2	.98	.011	.11	.4	.02	2.3	.1	<.05	3	.5
ML9 750	1.2	25.5	6.7	59	.1	54.5	13.5	414	2.79	11.2	.7	2.1	2.5	18	.2	.7	.2	62	.29	.098	9	66.3	.84	126	.083	2	1.23	.010	.10	.5	.01	3.5	.1	<.05	4	<.5
ML9 800	1.4	30.7	7.1	54	.1	62.6	11.9	336	2.99	11.3	.7	2.1	2.8	14	.2	.6	.5	68	.22	.042	11	64.4	.87	111	.087	2	1.60	.009	.07	1.3	.02	3.2	.1	<.05	5	.5
ML9 850	.9	23.9	6.8	60	<.1	61.4	12.8	382	2.71	7.5	.5	2.0	3.0	15	.1	.5	.3	63	.25	.055	10	67.7	.85	105	.079	1	1.16	.008	.09	.7	.01	2.9	.1	<.05	4	<.5
ML9 900	1.8	33.1	6.3	58	.1	76.0	15.8	501	3.09	13.7	.6	2.8	2.8	18	.1	.8	.5	70	.28	.058	8	70.6	1.00	129	.090	3	1.49	.009	.06	.9	.03	3.5	.1	<.05	4	<.5
ML9 950	1.2	28.6	6.5	66	.1	51.7	19.6	1099	2.41	5.9	1.0	1.3	1.1	18	.3	.5	.3	56	.27	.055	11	59.8	.62	193	.074	2	1.39	.009	.07	.4	.02	3.3	.1	<.05	4	<.5
ML9 1000	.9	14.7	5.1	44	.1	29.0	8.8	321	2.03	5.9	.4	14.7	2.4	14	.2	.4	.2	51	.22	.047	9	42.6	.56	96	.084	1	1.05	.008	.08	.4	.01	2.4	.1	<.05	5	<.5
ML10 0	1.2	58.4	10.8	68	.2	29.4	10.2	551	2.43	10.2	1.0	5.4	1.2	72	.2	.7	.1	60	1.64	.083	12	45.8	.72	178	.047	2	1.50	.014	.08	.3	.04	3.7	.1	.09	5	.6
ML10 100	.6	43.9	10.2	65	.1	31.8	12.7	569	2.85	12.1	.9	9.1	2.8	33	.1	.5	.1	74	.57	.078	13	46.2	.93	176	.081	<1	1.58	.026	.15	.3	.01	4.5	.1	<.05	5	<.5
ML10 200	.6	36.8	9.9	60	<.1	34.8	12.4	436	2.81	11.6	.7	4.9	2.9	21	.1	.5	.1	67	.45	.076	14	48.8	.84	117	.066	<1	1.63	.010	.09	.2	.01	3.6	.1	<.05	5	<.5
ML10 300	.9	53.7	11.5	96	.1	34.0	15.6	660	2.95	13.2	.6	4.8	2.0	32	.3	.5	.2	82	.38	.059	11	50.8	.98	204	.106	1	2.13	.023	.28	.4	.02	5.0	.1	<.05	7	<.5
ML10 400	.5	24.5	12.8	59	.1	18.0	10.8	524	2.62	10.8	.6	2.6	1.1	23	.2	.5	.1	65	.23	.047	11	38.8	.64	145	.069	1	1.62	.011	.20	.3	.01	2.6	.1	<.05	6	<.5
RE ML10 400	.7	24.4	13.3	57	.1	19.1	11.0	576	2.74	11.3	.6	3.3	1.1	24	.1	.5	.1	67	.22	.050	11	40.6	.69	148	.065	2	1.78	.011	.19	.4	.01	2.6	.1	<.05	6	<.5
ML10 500	.8	92.5	14.9	71	.2	38.9	15.4	659	3.35	20.4	1.2	26.4	2.3	43	.2	.8	.2	96	.46	.038	12	53.1	1.16	221	.117	1	2.69	.042	.23	.4	.01	5.3	.2	<.05	7	.7
ML10 600	.7	56.1	14.9	75	.2	31.9	14.1	483	3.16	14.3	.9	9.4	.6	41	.2	.8	.2	84	.36	.081	12	50.8	.89	217	.074	<1	2.51	.019	.37	.3	.02	3.1	.2	<.05	8	.6
ML10 700	.8	72.1	10.7	65	.2	35.0	11.0	476	2.74	13.4	2.7	3.3	.7	39	.3	.7	.2	69	.48	.076	15	54.6	.81	173	.066	1	1.84	.020	.26	.4	.02	3.2	.1	<.05	6	.5
ML10 800	.6	77.7	14.2	77	.2	46.1	15.4	599	3.55	19.5	1.3	15.6	1.8	50	.2	1.1	.2	92	.48	.052	13	57.9	1.17	245	.123	<1	2.65	.037	.39	.5	.02	5.5	.2	<.05	9	<.5
ML10 900	.6	17.8	7.9	49	.1	28.4	11.5	416	2.18	8.6	.5	2.9	2.0	18	.3	.5	.1	48	.29	.045	10	40.8	.55	93	.065	1	.99	.010	.11	.3	.01	2.6	.1	<.05	4	<.5
ML10 1000	.7	34.0	9.6	57	.1	36.5	12.4	489	2.49	11.1	.7	2.3	2.0	28	.1	.6	.2	58	.40	.049	12	49.3	.73	142	.086	1	1.53	.013	.19	.2	.02	3.2	.1	<.05	5	<.5
ML11 0	.6	41.3	5.9	47	.1	37.7	13.0	490	2.46	11.6	.9	3.7	3.0	18	.1	.6	.1	54	.31	.059	15	47.1	.70	115	.055	1	1.45	.010	.04	.3	.01	4.5	.1	<.05	4	<.5
ML11 50	.5	43.5	7.3	59	.1	34.8	13.9	422	2.75	13.7	1.0	6.6	3.6	28	.1	.4	.1	70	.48	.092	16	59.3	.99	103	.071	1	1.55	.012	.08	.3	.02	5.0	.1	<.05	5	<.5
ML11 100	.9	79.6	17.1	80	.2	44.5	19.3	709	3.26	32.4	1.5	14.4	1.9	40	.2	.6	.2	80	.59	.093	14	73.6	1.12	148	.067	1	2.12	.019	.08	.3	.04	5.9	.1	<.05	6	.6
ML11 150	.8	72.8	11.3	78	.2	41.6	20.6	793	3.76	17.5	1.5	11.1	2.3	52	.1	.4	.1	105	.77	.125	14	96.3	1.40	139	.095	1	2.40	.018	.10	.3	.03	6.2	.2	<.05	7	.5
ML11 200	.8	62.8	9.2	78	.1	38.6	19.4	703	3.79	22.3	1.4	7.2	2.2	53	<.1	.4	.1	107	.84	.105	12	93.8	1.57	149	.102	1	2.33	.022	.10	.3	.02	6.2	.1	<.05	7	.5
ML11 250	.7	76.1	8.7	88	.1	38.0	19.7	855	3.83	18.1	1.3	7.6	2.4	47	.1	.3	.1	101	.82	.104	12	85.0	1.45	180	.104	<1	2.41	.020	.13	.2	.03	6.2	.2	<.05	7	<.5
ML11 300	.8	54.0	7.2	67	<.1	36.1	15.3	544	3.29	11.4	.7	2.6	3.0	25	.2	.5	.1	80	.39	.081	12	58.7	1.07	125	.082	<1	1.85	.015	.12	.4	.01	5.7	.1	<.05	6	<.5
ML11 350	.7	98.0	9.8	84	.1	36.5	17.5	520	3.16	21.6	.7	7.4	2.8	60	.1	.4	.2	98	.59	.084	11	62.0	1.20	190	.143	<1	2.76	.104	.28	.6	.02	5.0	.2	<.05	8	.5
ML11 400	1.4	71.3	11.1	83	.2	32.8	17.4	797	3.17	24.1	1.2	5.9	1.4	29	.2	.4	.3	96	.32	.072	11	62.8	1.07	139	.094	1	2.61	.024	.12	.3	.03	4.9	.1	.06	9	<.5
ML11 450	.5	47.7	7.2	54	.1	36.9	14.3	523	2.96	12.2	.7	5.6	2.1	46	.1	.4	.1	79	.50	.053	13	59.4	.99	175	.104	1	2.04	.044	.11	.4	.02	5.6	.1	<.05	6	.6
STANDARD DS5	12.5	146.8	25.6	137	.3	25.2	12.0	768	3.03	17.8	7.0	39.9	2.9	47	5.4	4.0	5.9	61	.73	.090	13	180.7	.64	134	.096	17	2.12	.033	.14	5.0	.18	3.7	1.1	<.05	6	5.1

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

Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
ML11 500	.7	28.2	5.8	58	<.1	27.1	9.4	374	2.58	7.6	.5	6.1	2.1	25	.1	.4	.1	67	.36	.047	10	57.2	.88	122	.100	1	1.42	.016	.07	.2	.01	3.6	.1	.07	7	<.5
ML11 550	.7	34.2	6.2	61	<.1	61.4	13.0	381	2.29	10.3	.6	7.1	3.5	26	.2	.5	.2	56	.37	.076	10	58.9	.85	109	.092	1	1.49	.019	.13	.7	.01	3.0	.1	.07	5	<.5
ML11 600	.5	21.6	5.1	43	<.1	52.6	9.6	367	1.86	6.3	.5	5.0	2.9	15	.2	.4	.4	42	.27	.056	9	45.8	.74	72	.070	1	.89	.010	.07	.6	.01	2.2	.1	<.05	3	<.5
ML11 650	1.2	72.4	11.2	94	.1	33.6	19.7	915	3.59	14.9	1.0	4.2	1.3	21	.2	.5	.4	104	.28	.071	11	78.3	1.19	143	.105	<1	2.55	.020	.10	.4	.03	4.5	.1	.06	9	.5
ML11 700	.9	31.1	5.7	59	.1	64.8	13.5	405	2.93	8.3	.7	7.9	1.5	18	.2	.5	.2	71	.29	.042	10	83.2	1.11	98	.111	2	1.72	.012	.10	.3	.02	3.1	.1	<.05	6	<.5
ML11 750	.8	36.9	5.2	47	.1	66.7	13.3	414	2.28	8.7	.9	2.5	.8	31	.2	.5	.1	60	.62	.057	8	78.6	.97	98	.083	1	1.28	.018	.11	.3	.01	2.5	.1	<.05	5	<.5
ML11 800	.6	31.7	5.0	50	.1	207.1	22.7	513	2.80	8.2	.6	16.6	2.6	21	.1	.5	.1	61	.41	.044	9	165.8	2.04	116	.102	4	1.31	.020	.13	.3	.01	3.8	.1	<.05	4	<.5
ML11 850	.9	66.0	9.4	75	.3	53.0	18.2	490	3.13	11.9	1.3	6.2	1.5	28	.3	.4	.3	96	.42	.065	11	97.4	1.16	139	.135	<1	2.21	.020	.19	.4	.02	3.9	.1	<.05	8	<.5
ML11 900	.7	43.8	7.2	61	.1	56.2	17.5	638	2.79	8.8	.9	3.5	1.2	31	.1	.4	.4	74	.45	.060	9	94.6	1.06	171	.093	1	1.67	.016	.13	.5	.02	3.8	.1	<.05	6	<.5
ML11 950	.8	39.2	8.3	60	.1	44.7	13.7	405	2.85	15.3	.8	5.8	2.0	24	.2	.5	.3	79	.28	.058	9	84.6	.89	112	.104	<1	1.57	.018	.10	.7	.02	3.5	.1	<.05	7	<.5
ML11 1000	.7	51.6	7.9	70	.1	52.3	17.7	624	3.11	13.5	.9	8.0	2.0	31	.3	.4	.3	91	.43	.071	10	91.6	1.07	161	.119	1	1.89	.028	.18	.4	.02	3.8	.1	<.05	7	<.5
ML11 1050	.5	41.1	7.9	57	.1	26.7	13.7	556	2.69	11.0	.7	4.4	2.6	47	.1	.3	.1	68	.57	.105	10	62.3	1.07	91	.073	<1	1.41	.017	.16	.2	.01	4.0	.1	<.05	4	.5
ML12 0	1.1	36.2	23.6	68	.1	28.4	16.9	789	3.35	17.9	.6	5.1	1.4	30	.2	.5	.2	98	.48	.062	9	74.5	1.14	139	.084	<1	1.88	.012	.09	.1	.02	7.3	.1	<.05	7	<.5
ML12 50	1.0	14.4	7.7	47	.1	12.9	5.9	254	2.35	9.4	.3	2.3	1.5	8	.3	.6	.2	76	.10	.039	7	36.7	.30	58	.102	1	.81	.007	.05	.3	.02	2.1	.1	<.05	6	<.5
ML12 100	.8	36.0	8.6	61	<.1	24.0	16.1	743	3.07	11.5	.6	2.5	2.5	14	.2	.6	.1	73	.19	.059	13	57.7	.81	101	.069	1	1.45	.009	.07	.3	.02	4.4	.1	<.05	6	<.5
ML12 150	.8	47.1	7.7	65	.1	23.4	12.7	554	2.88	13.2	1.0	3.8	.6	31	.2	.6	.1	69	.55	.064	12	54.7	.71	94	.035	<1	1.35	.010	.06	.2	.02	2.9	.1	<.05	5	<.5
ML12 200	1.3	60.7	12.8	61	.2	21.6	14.8	820	2.50	12.5	1.7	3.2	1.1	26	.4	.6	.2	60	.36	.097	13	44.4	.58	130	.041	1	1.48	.011	.07	.3	.05	3.7	.1	<.05	5	.6
ML12 250	.6	58.4	8.6	54	.1	23.6	10.9	375	2.56	10.6	4.0	4.1	2.2	23	.1	.4	.2	56	.33	.099	22	43.5	.60	195	.021	1	1.53	.009	.05	.4	.03	3.0	.1	<.05	5	<.5
ML12 300	.7	50.4	9.5	58	.1	33.4	13.7	464	2.73	9.4	1.2	23.2	3.5	22	.1	.5	.1	62	.36	.087	14	51.8	.83	132	.047	1	1.45	.011	.06	.3	.01	4.4	.1	<.05	5	<.5
ML12 350	.9	99.1	11.1	78	.2	46.4	19.1	636	3.23	12.5	1.3	6.6	3.0	30	.1	.7	.2	76	.50	.084	15	72.4	1.19	150	.059	1	2.02	.014	.09	.3	.03	6.0	.1	<.05	6	.7
RE ML12 350	.9	89.7	10.8	73	.2	42.5	18.8	610	3.19	11.7	1.2	5.9	2.8	29	.2	.7	.2	79	.49	.080	15	71.5	1.18	142	.058	<1	1.97	.014	.09	.3	.04	5.8	.1	<.05	6	.6
ML12 400	1.2	62.8	9.0	70	.1	32.5	16.5	632	3.87	11.5	.9	2.4	2.0	19	.2	.6	.2	87	.23	.051	11	74.7	1.04	153	.049	<1	2.35	.010	.07	.2	.03	5.5	.1	<.05	8	<.5
ML12 450	1.1	91.1	9.6	80	.2	40.7	16.2	571	3.38	15.1	1.0	6.2	1.5	37	.2	.7	.2	74	.58	.098	14	71.7	1.05	166	.040	<1	1.97	.012	.07	.2	.04	6.1	.1	<.05	7	.6
ML12 500	1.1	29.3	8.3	71	.1	18.4	12.8	506	2.79	10.9	.5	5.4	1.7	11	.3	.5	.1	69	.15	.049	10	45.6	.62	58	.055	1	1.23	.007	.05	.3	.02	3.0	<.1	<.05	5	<.5
ML12 550	1.2	45.3	10.9	69	.1	26.7	16.0	662	2.94	11.5	.9	2.5	.7	30	.1	.6	.2	68	.50	.081	9	53.5	.81	173	.025	1	1.58	.010	.06	.2	.02	2.8	.1	.07	6	.5
ML12 600	.7	37.7	8.2	56	.2	20.1	9.8	408	2.32	8.7	1.2	8.7	.6	22	.2	.4	.2	51	.29	.108	12	44.2	.62	147	.019	1	1.46	.009	.05	.2	.04	2.2	.1	.07	5	<.5
ML12 650	1.0	39.8	8.6	60	.1	25.9	14.3	725	2.93	9.1	.6	2.7	1.4	14	.2	.6	.2	68	.24	.058	10	48.2	.68	93	.046	1	1.39	.009	.05	.2	.02	3.2	.1	<.05	5	<.5
ML12 700	1.1	46.6	12.7	62	.1	20.6	10.2	300	2.59	12.7	.5	15.0	.8	14	.3	.4	.2	59	.24	.063	10	33.9	.51	58	.052	1	1.22	.007	.05	.3	.03	1.8	.1	<.05	5	<.5
ML12 750	1.1	20.0	9.3	35	.1	9.6	5.6	312	2.24	8.8	.4	9.0	1.5	9	.1	.4	.2	70	.11	.035	7	26.9	.28	48	.064	<1	.75	.009	.03	.4	.01	1.7	<.1	<.05	5	<.5
ML12 800	2.0	76.1	27.5	86	.2	22.3	25.2	1110	3.75	59.8	.6	7.4	.4	21	.3	.9	.4	55	.33	.128	8	38.3	.99	71	.025	1	1.54	.008	.05	.3	.04	2.1	<.1	.09	6	.8
ML12 850	.9	54.0	14.8	66	.2	27.2	11.7	547	2.37	17.7	1.0	4.3	.6	30	.1	.6	.2	55	.42	.100	11	48.0	.67	163	.022	1	1.48	.012	.05	.2	.04	2.8	.1	<.05	5	.8
ML12 900	.8	62.4	18.5	68	.1	33.3	17.1	585	3.35	16.0	.7	3.6	2.2	32	.1	.6	.3	73	.49	.121	12	67.0	1.12	111	.025	1	1.66	.010	.06	.1	.03	4.5	.1	<.05	5	.5
ML12 950	.6	72.1	9.5	67	.2	51.6	18.9	624	3.06	12.3	.8	8.4	2.6	41	.2	.6	.1	72	.76	.097	13	77.1	1.26	151	.067	<1	1.55	.016	.06	.2	.04	6.6	.1	<.05	5	.5
STANDARD DS5	13.1	146.2	24.2	132	.3	24.9	12.6	806	3.05	19.0	6.5	44.0	2.9	48	5.6	4.1	6.5	59	.78	.094	12	195.3	.71	139	.095	20	2.07	.034	.15	4.8	.19	3.5	1.1	<.05	7	4.8

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

Data FA

APPENDIX C

PROJECT PERSONNEL

CARTER RIDGE

APPENDIX C

PROJECT PERSONNEL

Personnel	Address	Task
Ron Berdahl	Whitehorse, Yukon	Supervision/Sampler
Andrew Berdahl	Whitehorse, Yukon	Sampler
Scott Berdahl	Whitehorse, Yukon	Sampler
Ellen Granland	Sweden	Sampler
Rob Hamel	Whitehorse, Yukon	Sampler

APPENDIX D

STATEMENT OF COSTS

CARTER RIDGE

APPENDIX D

STATEMENT OF COSTS

Dates of Field Work: October 22 – 24, 2003
June 15 – 18 and July 14, 2004

Crew: Ron Berdahl, Andrew Berdahl, Scott Berdahl, Ellen Granland, Rob Hamel

Wages:

Prep time (includes hiring, administration, program set up, etc.)		
	4 man days @ $250/day	$ 1,000.00
Field Days:	4 field days @ $250/man day x 4 men	4,000.00
	1 field day @ $250/man day x 2 men	500.00
Analysis: ACME 1DX pkg.	160 soils, 7 rocks @ $18/sample w/shipping	3,006.00
Helicopter: Helidynamics		2,116.46
Vehicle:	50 km/leg x 4 legs x 2 vehicles x $0.48/km (gov't. rate)	192.00
Per Diem:	4 men x 4 days @ $52/man/day	832.00
	2 men x 1 day @ $52/man/day	104.00
Rental of sat phone, 4 GPSs, consumables, flags, sample bags, notebooks, Workers' Compensation, staking, reg claims, etc.		1,000.00
Report Preparation		1,000.00
TOTAL:		**$ 13,750.46**

APPENDIX E

SAMPLE LOCATION MAP

CARTER RIDGE

APPENDIX F

STATEMENT OF QUALIFICATIONS

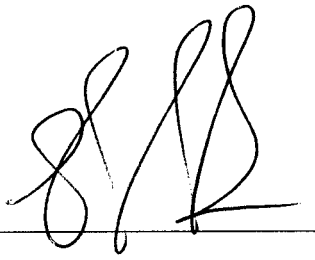
CARTER RIDGE

STATEMENT OF QUALIFICATIONS

I, Ron Berdahl, declare I am an independent prospector who has worked on the Carter Ridge area for the 2003/2004 field season.

I have taken several courses related to prospecting and make the bulk of my living directly from prospecting.

The data contained herein is true and correct to the best of my memory.



Ron S. Berdahl

Jan 15, 05

Date

Carter Gulch Showing
4 opt Au

Hamel Cu

Peppy

JLS
Lebarge Group

mJTLS
Lewes River volcanics and sediments

placer gold

Kg
Cretaceous Granite

Kiyoko Cu, Pb

Kiyoko Lake

CPCC

KDFN R-5

Pb, Ag

Cu
Replacement

Pb, Cu

A
Diorites & altered diorites

Au
Shear hosted

McCLINTOCK RIVER

×6239, >10000 As

171

677

△350

placer gold

mKy-p

29 △ Ag,Cu

2.27% Ti

CPCC

1.6% Ba

KDFN R-43

Caribou Lake

492

225 ×

Caribou Creek

Alaska Highway

MARSH LAKE

KDFN R-7

KDFN R-8

Elbow Lake

Elbow Creek

Greyling Creek

1005

△1000

1631

530
6667

Ag, Zn

Cu, Ag

1158 ×

146

Mount Michie
5838

N

METRES
0 1000 2000 3000

GEOLOGY LEGEND

A	Volcanic and metavolcanic rocks of uncertain age (diorites and altered diorites, possibly Cache Creek)
mKy-p	Cretaceous porphyritic syenite
Kg	Cretaceous granite
CPCC	Carboniferous and Permian Cache Creek Group. (basalts, limestone, cherts, serpentinites)
JLS	Jurassic Lebarge Group (sediments)
mJTLS	Lewes River Group (volcanics and sediments)

SYMBOLS

- Geological boundary (assumed)
- Fault (assumed)
- Vein
- Oblique graphitic argillic shears with anomalous Au,Ag,As,Cu,Pb,Zn
- EM anomaly
- Magnetic anomaly
- Magnetic low
- × 6239 — Anomalous rock sample, Au ppb, (other elements noted)
- △ 350 — Anomalous soil sample, Au ppb
- • 132 — Anomalous stream sediment sample, Au ppb
- ○ 39 — GSC regional geochem, Au ppb
- 650 6 — 2004 Soil sample line, number
- ⌖ 63 — 2004 rock sample location, number
- Au — Documented occurrence, type
- × Pb, Cu — Undocumented occurrence, type
- First Nation Settlement Land, Category B

Contour interval 500 feet.

MARSH LAKE NORTH

2004 COMPILATION
JAN, ET, ANT, EM, KARL
CARTER GULCH & KIYOKO CLAIMS

SCALE: 1 : 35,000	NAD 27, ZONE 8	DATE: January 18, 2005
N.T.S.: 105 D/9	DRAFTING:	FIGURE

094535