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 June 15 – 18 and July 14, 2004

Prepared by Claim Owner:

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

Prepared for:

Bald Mountain Mining Co.
Newcastle, Wyoming
USA

January 15, 2005

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SUMMARY

A grassroots exploration program was conducted in the hills east of the McClintock River. Work by the author and various other prospectors, especially in the last 10 years, has led to the discovery of several new gold showings.

At least 50% of the drainages off Carter Ridge were found anomalous in Au.

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

Highlights 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.

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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 2004 field season, and to satisfy Yukon Mineral Incentives Program (YMIP) requirements.

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.

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)

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.

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 2005
Peppy 1–4	—	R. Berdahl	July 2005
Avian 1–6	—	R. Berdahl	July 2005

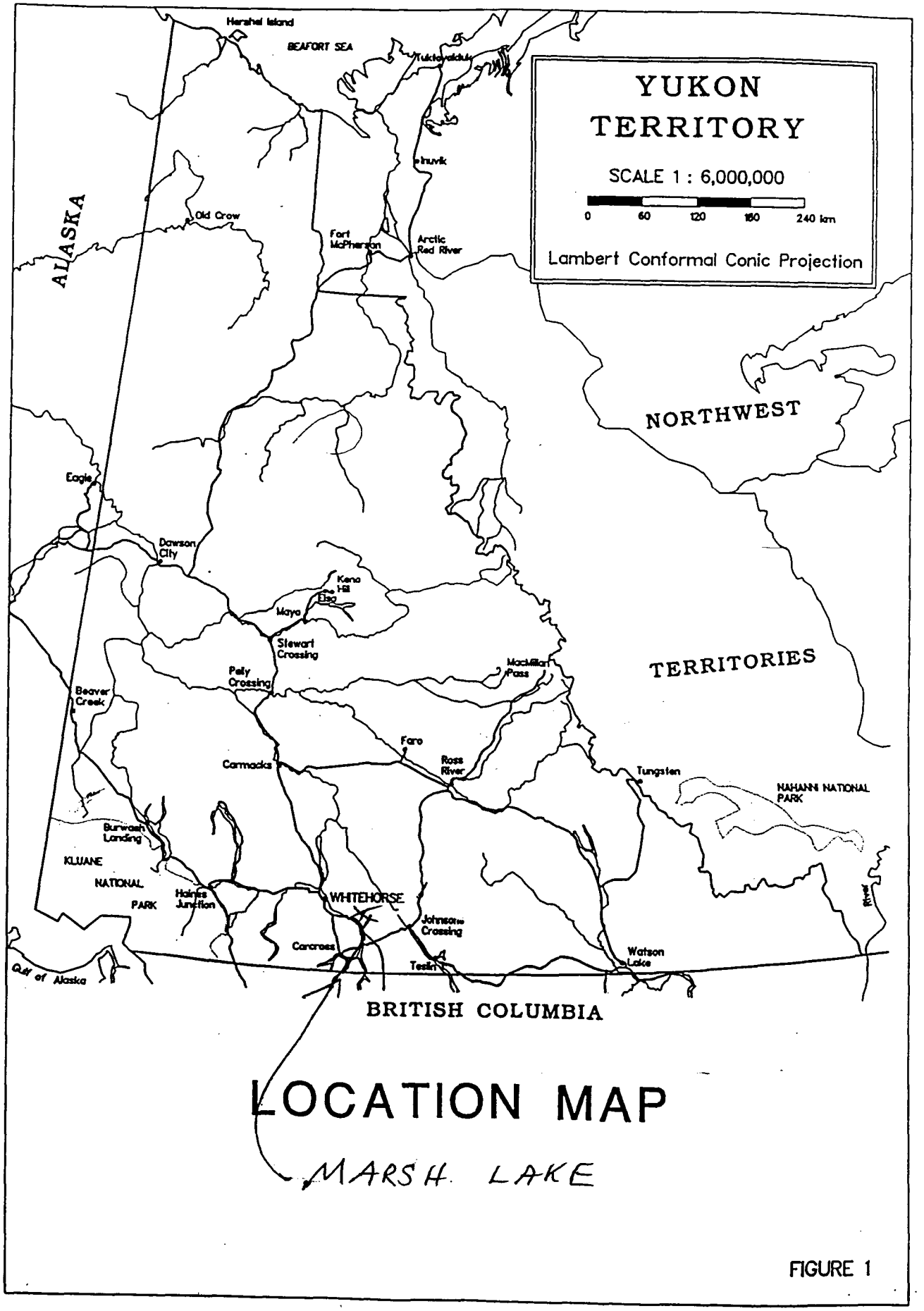
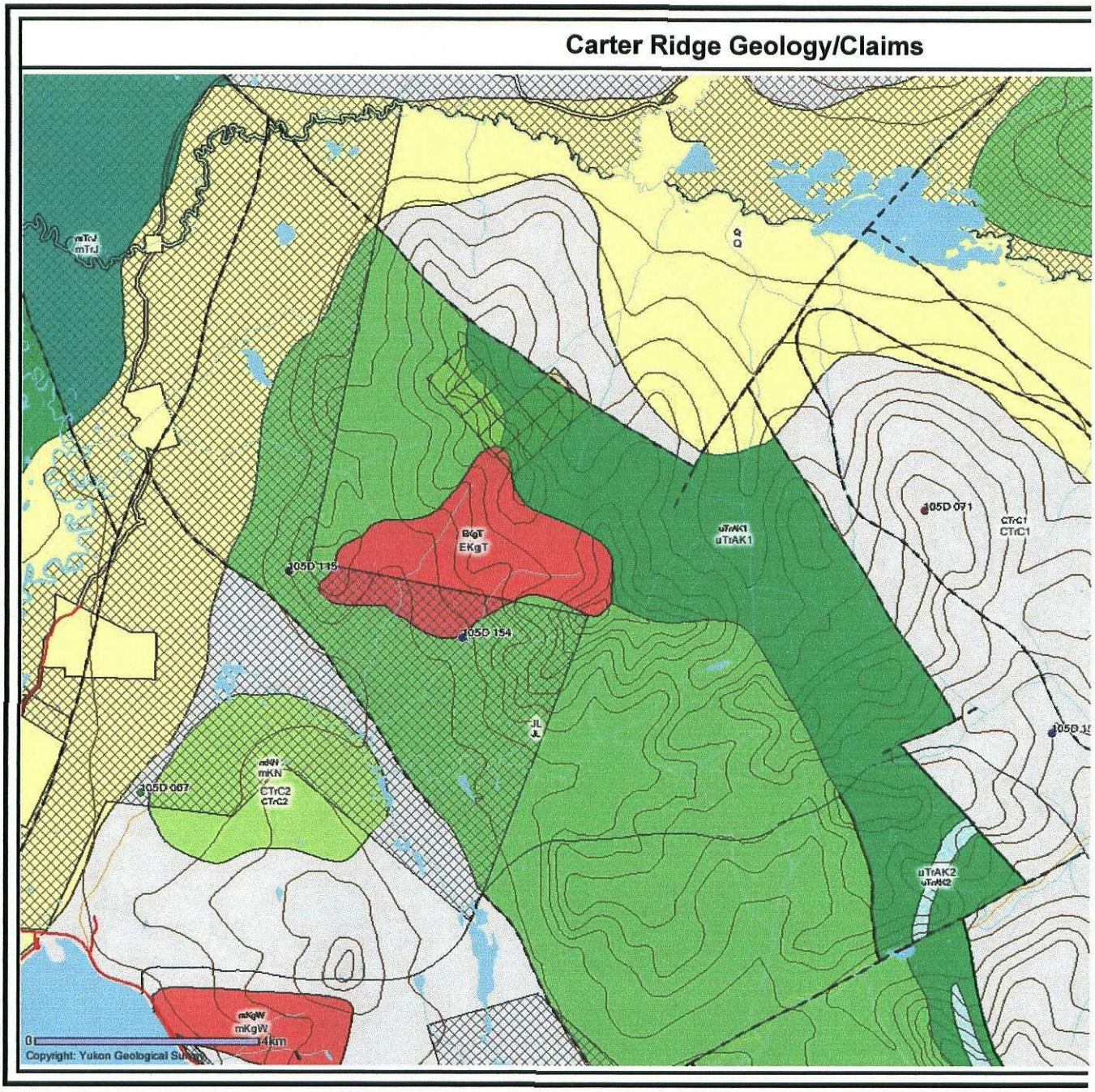

YUKON
TERRITORY
SCALE 1 : 6,000,000
0 60 120 180 240 km
Lambert Conformal Conic Projection
Herschel Island
BEAUFORT SEA
Tuktoyaktuk
Inuvik
ALASKA
Old Crow
Fort McPherson
Arctic Red River
NORTHWEST
TERRITORIES
Eagle
Dawson City
Keno Hill
Elsa
Mayo
Stewart Crossing
Pelly Crossing
MacMillan Pass
Beaver Creek
Faro
Carmacks
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


Carter Ridge Geology/Claims
mTrJ
mTrJ
Q
Q
105D 071
CTrC1
CTrC1
BKgT
EKgT
105D 115
105D 154
uTrAK1
uTrAK1
JL
JL
mNl
mKN
CTrC2
CTrC2
105D 067
uTrAK2
uTrAK2
mKgW
mKgW
0
4km
Copyright: Yukon Geological Survey

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 north 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 an intrusion.

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 2004.

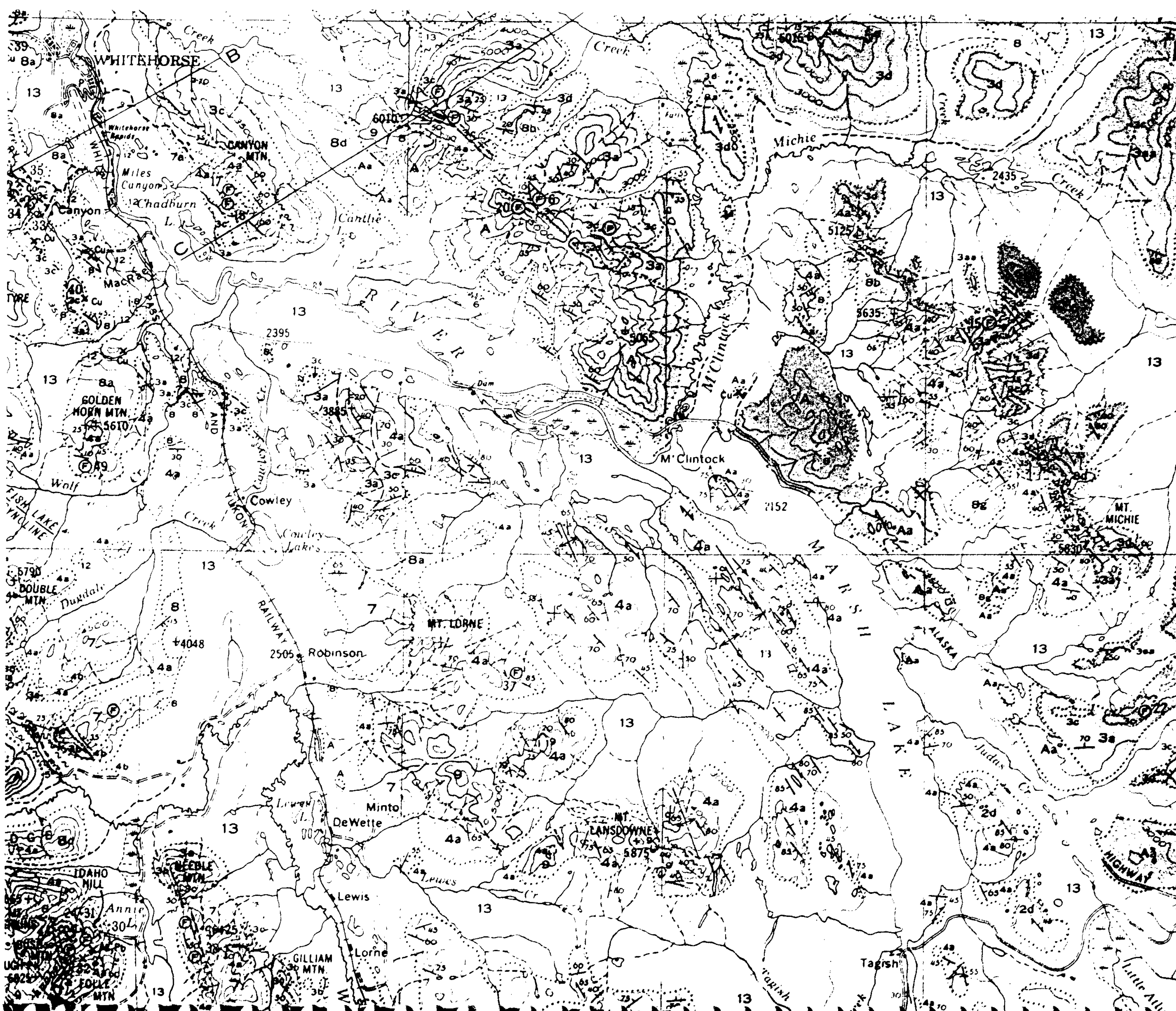
The first was a 1-ft. cubed piece of blocky, frosh granite float with a coating of Mo on one side. The float was located about 800 m southeast of a 700-m long, north-striking Mo in soils anomaly. It is not known how the two are related.

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.



WHITEHORSE
CANYON MTN
Miles Canyon
Chadburn L.
Canyon
MacRae
GOLDEN HORN MTN
Wolf Creek
FISH LAKE SYNCLINE
Cowley
Cowley Lakes
YUKON
RIVER
McClintock
M'Clintock
MARSH LAKE
MT. MICHIE
ALASKA
HIGHWAY
Michie Creek
DOUBLE MTN
Dugdale
RAILWAY
Robinson
MT. LORNE
Minto
DeWette
MT LANSDOWNE
Lewes
Lewis
Lorne
GILLIAM MTN.
NEEDLE MTN
IDAHO HILL
Annie L.
Tagish
Judas Cr.
Little Atlin
Teslin 56m.

Fig 3

LEGEND

CENOZOIC

QUATERNARY

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

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

TERTIARY OR EARLIER

Granite porphyry, rhyolite

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

9 — *Pink quartz monzonite*

MESOZOIC

CRETACEOUS

8 — COAST INTRUSIONS
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*

7 — HUTSHI GROUP
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*

6 — *Peridotite, dunite, serpentinite, pyroxenite*

JURASSIC (?) AND CRETACEOUS
UPPER JURASSIC (?) AND LOWER CRETACEOUS

5 — *TANTALUS FORMATION: arkose, siltstone, conglomerate, argillite, coal*

JURASSIC
LOWER JURASSIC AND LATER

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

TRIASSIC
UPPER TRIASSIC

3 — LEWES RIVER GROUP
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

2 — TAKU GROUP
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

1 — YUKON GROUP
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*

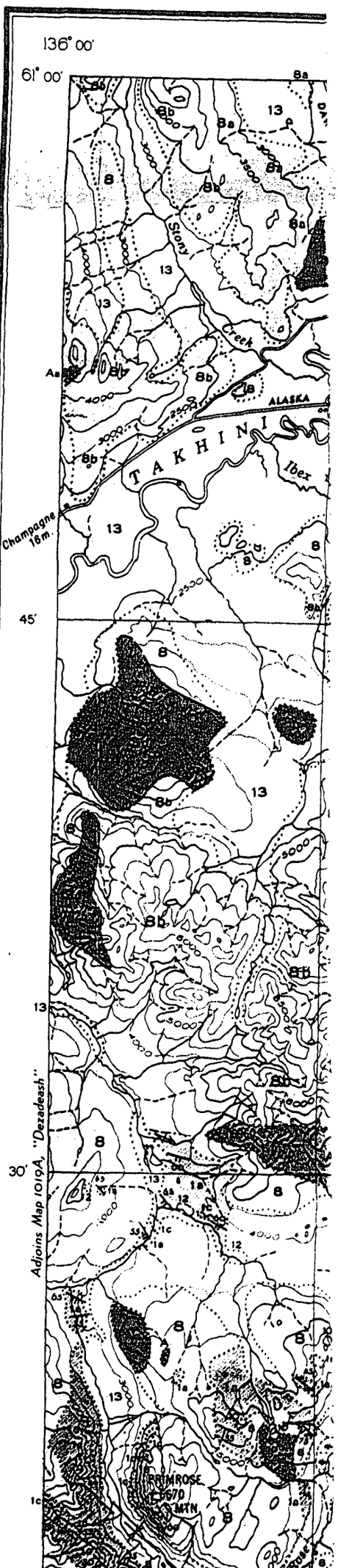


Fig. 4

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 Silver King showing 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

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 160. 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.

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 run last season (2003) 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 directly below the showing (approximately 200 m), had values of only 2–4 ppb Au in proximity to the known showing. Lines 2 and 3 (2003 season) had 6 of the anomalies, all without sources. 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.

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

CONCLUSIONS

The discovery of another gold showing with values of 0.8 opt 1½ kilometres from the CG showing highlights this area's potential.

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 rather lacklustre percentage of anomalous gold values in soils (8.75%>10 ppb) is tempered by the fact that soil values collected within 200 m downslope of the CG showing with 4 opt values ran only 2 – 4 ppb. There are a number of silt and soil anomalies over a 15-km strike length without exploration.

The positive results overall, however, 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 2003 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.

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

APPENDIX A

SAMPLE DESCRIPTIONS

CARTER RIDGE

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 sub crop 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.)

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 ✓ 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 # 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	420	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.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Berdahl, Ron File # A400378

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 ppm	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	Au* ppb
SI	<1	3	<3	1	<.3	<1	<1	<2	.04	<2	<8	<2	<2	2	<.5	<3	<3	<1	.09	<.001	<1	1	<.01	2	<.01	<3	.01	.40	.01	<2	.6
03 D9 R-72	<1	28	6	54	<.3	12	7	1302	2.76	<2	<8	<2	<2	248	<.5	<3	<3	47	6.31	.131	6	20	.78	28	.01	<3	1.10	.01	.04	<2	1.8
03 D9 R-73	2	8	<3	42	<.3	5	7	436	2.13	2	<8	<2	<2	109	<.5	<3	<3	38	2.37	.005	<1	14	.57	14	<.01	<3	.82	<.01	.01	<2	<.2
03 D9 R-74	1	126	913	156	2.2	4	3	86	.92	28	<8	<2	<2	5	.7	<3	3	75	.08	.011	1	24	.05	33	<.01	<3	.12	<.01	.04	2	233.3
03 D9 R-75	3	183	15	28	.5	5	6	300	1.50	4	<8	<2	<2	8	<.5	<3	<3	21	.48	.023	<1	22	.41	8	.07	<3	.57	.01	.01	<2	4.7
03 D9 R-76	1	16	20	24	<.3	6	3	173	.81	2	<8	<2	<2	30	<.5	<3	<3	11	.39	.065	2	13	.18	29	<.01	<3	.23	<.01	.07	2	81.9
03 D9 R-78	<1	18	<3	88	<.3	21	24	1450	5.81	21	<8	<2	2	414	<.5	<3	<3	157	3.97	.366	8	28	2.38	2537	.17	<3	4.75	.20	1.24	<2	2.9
03 D9 R-80	1	122	1559	1809	3.9	3	4	269	1.66	33	<8	4	<2	8	3.1	<3	<3	20	.10	.027	3	15	.07	27	<.01	<3	.13	<.01	.03	5	4298.2
03 D9 R-81	9	374	7238	511	15.3	4	7	89	5.14	61	<8	46	<2	7	2.6	8	<3	358	.07	.068	4	19	.31	33	<.01	<3	.47	<.01	.06	<2	62142.2
03 D9 R-81A	2	51	519	296	1.8	5	4	158	3.60	331	<8	4	<2	9	3.2	<3	<3	30	.04	.024	1	12	.14	23	<.01	<3	.30	<.01	.08	2	3988.5
03 D9 R-82	1	12	33	12	<.3	3	2	1596	.64	6	<8	<2	<2	234	<.5	<3	<3	9	23.69	.009	1	4	.13	9	.01	<3	.21	<.01	.04	<2	40.0
03 D9 R-83	1	6	20	19	<.3	9	4	661	1.40	5	<8	<2	3	121	<.5	<3	<3	19	1.81	.057	9	10	.38	20	.01	<3	.47	.01	.03	2	13.2
RE 03 D9 R-83	1	5	18	19	<.3	10	4	665	1.42	5	<8	<2	2	122	<.5	<3	<3	19	1.72	.058	9	11	.39	20	.01	<3	.48	.01	.03	2	19.9
03 D9 R-84	1	300	9	70	<.3	2	9	586	3.70	2	<8	<2	<2	21	<.5	<3	<3	72	.80	.068	3	7	.57	54	.17	<3	1.03	.03	.10	<2	10.5
03 D9 R-85	2	525	>10000	864	27.2	3	2	51	5.25	15	<8	93	<2	4	1.2	9	<3	30	.05	.058	4	10	.09	8	<.01	<3	.33	<.01	.03	3	99999.0
STANDARD DS5/AU-R	12	138	23	130	<.3	23	12	744	2.92	17	<8	<2	3	46	5.1	4	6	58	.70	.089	12	180	.65	135	.10	15	1.95	.03	.14	4	453.1

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU* IGNITED, ACID LEACHED, ANALYZED BY ICP-MS. (15 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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

BRITISH COLUMBIA CERTIFIED ASSAYER
Jacky Wang

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R

To Berdahl, Ron

Acme file # A406682 Received: OCT 25 2004 * 33 samples in this disk file.

ELEMENT	S.Wt	NAu		#NAME?	DupAu	TotAu
SAMPLES	gm	mg		gm/mt	gm/mt	gm/mt
~~SI~~	~~<1~~	~~<.01~~		~~<.01~~	-	~~<.01~~
A139051	86	<.01		0.1	-	0.1
A139052	351	<.01		<.01	-	<.01
A139053	176	<.01		0.04	-	0.04
A139054	773	<.01		0.01	-	0.01
A139055	182	<.01		<.01	-	<.01
A139056	414	<.01		<.01	-	<.01
A139057	1657	<.01		0.5	-	0.5
A139058	446	<.01		0.02	-	0.02
A139059	586	<.01		<.01	-	<.01
A139060	1099	<.01		0.01	-	0.01
A139061	1712	<.01		0.01	-	0.01
~~A139062~~	~~1867~~	~~<.01~~		~~<.01~~		~~<.01~~
A139063	598	<.01		0.07	-	0.07
A139064	1411	<.01		0.01	<.01	0.01
A139065	798	<.01		<.01	-	<.01
A139066	909		0.75	2.15	-	2.98
A139067	253		1.12	23.14	-	27.57
A139068	145	<.01		0.13	-	0.13
A139069	259	<.01		0.03	-	0.03
~~A139071~~	~~442~~	~~<.01~~		~~0.01~~	-	~~0.01~~
A139072	279	<.01		0.02	-	0.02
A139073	173	<.01		0.01	-	0.01
A139074	486	<.01		<.01	-	<.01
A139075	715	<.01		1.44	-	1.44
A139076	581	<.01		0.86	-	0.86
A139095	381	<.01		0.02	-	0.02
A139096	817	<.01		0.11	-	0.11
A139097	336	<.01		1	-	1
A139098	267	<.01		0.11	-	0.11
A139099	67	<.01		0.02	-	0.02
~~A139100~~	~~288~~	~~<.01~~		~~0.02~~	-	~~0.02~~
STANDAR	<1	<.01		3.35	-	3.35

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R(
To Berdahl, Ron
Acme file # A406682 Received: OCT 25 2004 * 33 samples in this disk file.
Analysis: GROUP 1DX - 30.0 GM

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
SAMPLES ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SI 0.4	0.7	0.5	1	<.1	0.9	0.1	18
A139051 0.1	807.6	51.5	120	16.4	9.3	1.7	31
A139052 3.2	19.3	6.8	14	0.1	4.6	1.2	83
A139053 0.6	668.5	233	15	6.2	8	34.3	719
A139054 0.5	29.5	4.4	13	0.1	5.1	1.1	52
A139055 1.6	5.8	15.5	20	<.1	4.5	1	204
A139056 1.3	34.5	6.4	307	0.3	35.8	4	1905
A139057 0.4	1355.9	>10000	>10000	81	0.4	0.1	10856
A139058 0.7	58.2	114	125	0.5	18.4	6.3	345
A139059 24.3	51.7	20.4	839	0.5	59.7	7.8	587
A139060 2.7	47.3	10.9	3413	0.2	187.6	40.2	1449
A139061 20	608	137	499	4.2	17.6	23.2	533
A139062 0.7	67.3	25.2	137	0.3	7	1.8	149
A139063 0.5	108.5	12.6	46	0.5	6.2	35.8	878
A139064 0.6	91.9	95.1	60	0.3	11.3	7	703
RE A1390(0.7	90.2	93	62	0.3	11.2	6.9	717
A139065 0.3	18.1	7.9	34	0.1	18.1	8.1	433
A139066 0.7	696.4	>10000	875	24.6	2.1	0.7	99
A139067 1	782.3	3221	1134	18.6	2.7	1.8	149
A139068 0.7	247.5	110	103	1	9.1	21.5	1306
A139069 1.6	12.3	35.9	44	0.1	26.2	6.1	614
A139071 2.2	9.8	23.1	6	0.1	1.5	0.4	87
A139072 0.2	2.8	9.9	4	<.1	1.6	0.4	98
A139073 0.4	25.5	7.8	5	<.1	2.9	0.7	106
A139074 0.6	3.9	5.9	19	<.1	7.1	4.2	382
A139075 0.4	17.3	9.1	30	0.1	23.4	7	259
A139076 0.3	7.3	4	3	0.1	3.6	1.8	95
A139095 0.7	27.3	2.4	22	0.1	7.1	3.2	436
A139096 0.2	3.4	2.3	3	0.1	1.8	0.6	102
A139097 0.3	2.5	1.9	6	<.1	2.8	0.8	121
A139098 10.9	37.6	111	80	1.8	4.1	1.3	210
A139099 1.4	121.5	3.9	16	0.1	20	17.7	165
A139100 9.1	92.4	5.6	81	0.3	64.3	13.4	2262
STANDAR 13	142.6	24.2	138	0.2	25.1	12	761

Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
0.07	<.5		0.1	2.9	0.1	3	<.1	15.1	<.1
0.17	0.5		0.1	82	<.1	148	9.3	>2000	0.6
1.02	3		0.2	0.6	0.9	3	0.1	1458.9	0.1
18.45	>10000		0.2	12.6	0.9	285	0.6	>2000	206
0.88	51.5		0.2	4.2	1	11	<.1	146.4	1.7
1.36	5.6		0.1	1.1	0.3	104	0.2	42.9	0.1
19.7	6.1		1.3	0.5	0.5	398	3.8	12.1	0.1
2.32	>10000		0.7	329.5	0.6	177	226.9	398.9	<.1
3.29	97.2		0.1	16.8	0.1	77	1.1	14.5	<.1
6.35	63.4		4.9	0.6	1.6	421	3.8	14.1	<.1
36.76	17.6		8.9	0.7	1	104	1	2.7	0.1
7.81	36.8		0.4	2.9	0.8	47	6.6	8.9	12.3
1.55	7.1		0.2	<.5	0.9	8	1	2.3	0.4
5.13	1705.7	<.1		60.3	0.2	172	0.3	2.9	0.1
3.17	13.3		0.1	4.7	0.1	181	0.3	1.2	0.4
3.18	12.4		0.1	1.6	0.1	178	0.2	1.3	0.4
2.34	3.4		0.1	1.9	1.3	7	0.1	1	<.1
1.64	30.4		0.1	2420.3	<.1	4	5.6	16.5	3
2.28	14.3		0.2	24997.8	0.2	6	3	4.7	0.4
6.42	371.9		0.1	83.7	0.2	116	0.2	2	<.1
1.82	7.7		1.1	21.4	4.7	14	0.1	0.9	<.1
0.83	7.6		0.1	6	0.2	2	0.1	1.9	<.1
0.72	1.1	<.1		5.2	<.1	2	<.1	0.7	<.1
0.97	1.5	<.1		8.3	0.1	2	<.1	1.2	<.1
2.19	4.3		0.3	3.1	0.4	2	0.2	1.4	<.1
1.92	1.5		1	3.3	8.9	6	0.1	0.7	0.4
0.71	4.2	<.1		2	<.1	1	<.1	0.4	0.3
0.96	1.1		0.3	5.1	0.6	4	0.1	0.5	0.1
0.63	2	<.1		4.6	0.1	1	0.1	0.4	0.1
0.75	0.8		0.1	1.4	0.2	4	0.1	0.4	<.1
4.86	424.3		3.3	19.1	4.2	57	2.2	9.2	1.5
2.28	21.3		0.8	3.3	1.3	5	<.1	3.6	0.1
35.11	<.5		5.7	9.6	0.9	6	0.9	60.8	0.2
2.99	18		6.1	45.1	2.9	50	5.7	4	6.1

V	Ca	P	La	Cr	Mg	Ba	Ti	B
ppm	%	%	ppm	ppm	%	ppm	%	ppm
<1	0.14	0.001	<1	1	0.01	4	0.001	<1
1	0.72	<.001	<1	<1.0	0.04	39	<.001	5
9	0.04	0.018	2	8	0.02	10	0.001	<1
24	11.53	0.033	1	5.9	3.72	31	0.001	1
8	0.07	0.013	4	7.7	0.16	142	0.005	<1
4	1.09	0.012	1	4.3	0.33	76	<.001	<1
60	0.81	0.039	2	27.8	2.04	81	0.003	4
4	11.97	0.047	11	1.3	0.21	49	<.001	<1
3	0.16	0.013	1	5.1	0.24	38	0.001	<1
149	4.49	0.048	5	8.6	2.12	708	0.009	2
10	0.31	0.023	6	5.4	0.19	709	0.002	1
3	1.38	0.03	2	4.6	0.68	28	0.001	<1
12	0.06	0.008	3	7.3	0.04	40	0.001	<1
41	3.21	0.04	2	1.6	0.82	39	0.008	<1
23	3.72	0.025	2	1.7	0.27	36	0.005	1
23	3.74	0.024	2	1.9	0.27	36	0.004	2
35	0.13	0.042	4	37.5	1.23	45	0.005	2
4	0.01	0.003	<1	2.1	0.02	9	0.001	<1
9	0.07	0.011	6	3	0.09	18	0.008	1
89	2.32	0.044	2	4	0.53	82	0.025	1
17	0.48	0.077	16	13.4	0.21	95	0.004	<1
3	0.01	0.019	1	1.8	<.01	61	0.001	<1
1	0.01	0.001	<1	1.8	<.01	10	<.001	<1
2	0.01	0.003	<1	2.8	0.03	73	0.002	<1
8	0.05	0.01	3	3.5	0.13	58	0.001	<1
15	0.11	0.024	18	17.2	0.34	69	0.024	3
1	0.01	<.001	<1	1.2	0.01	4	<.001	1
7	0.12	0.017	3	3.6	0.06	93	0.006	<1
2	0.01	0.001	<1	1.7	0.01	7	0.001	<1
1	0.06	0.008	1	1.9	0.02	10	<.001	<1
137	0.11	1.149	8	19.5	0.05	183	0.017	6
24	0.12	0.018	4	14.9	0.28	26	0.029	3
46	0.07	0.028	5	7	0.12	8	0.004	<1
62	0.77	0.093	13	191.6	0.68	141	0.109	19

Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	
0.01	0.519	0.01	<.1		0.01	<.1	<.1	<.05	<1	
0.04	0.193	0.02	<.1		5.3	<.1	0.1	0.11	<1	
0.07	0.011	<.01		0.2	0.05	0.6	<.1	<.05	<1	
0.09	0.004	0.02	<.1		0.06	2.6	<.1	>10		1
0.28	0.003	0.04		0.1	0.14	0.7	<.1	<.05		1
0.05	0.006	0.02	<.1		0.04	0.7	<.1	<.05	<1	
0.83	0.003	<.01		0.1	0.1	5.1	0.1	2.17		3
0.06	0.006	0.06	<.1		3	<.1	<.1	3.15		2
0.23	0.005	0.02		0.1	0.08	1	<.1	2.98	<1	
0.57	0.01	0.1		0.1	0.25	1.4	0.5	0.13		2
0.34	0.008	0.06	<.1		0.05	4.5	0.1	<.05		1
0.11	0.003	0.04		0.1	0.97	2	0.2	5.41	<1	
0.05	0.001	0.01		0.1	0.2	0.7	<.1	0.07	<1	
0.42	0.024	0.17		0.5	<.01	10.5	0.1	2.98		2
0.33	0.009	0.08		0.1	<.01	6.1	<.1	<.05		1
0.34	0.009	0.09		0.1	0.01	6	<.1	<.05		1
1.23	0.003	0.12	<.1		<.01	4.1	<.1	<.05		3
0.04	0.003	0.01		0.1	0.03	0.1	<.1	0.22	<1	
0.15	0.003	0.02		0.5	0.05	2.1	<.1	<.05		1
1.17	0.068	0.24		1	0.01	13.9	0.1	1.8		4
0.71	0.025	0.31		0.1	<.01	2.9	0.2	<.05		2
0.03	0.002	0.01	<.1		<.01	0.2	<.1	<.05	<1	
0.01	0.004	<.01	<.1		0.01	0.1	<.1	<.05	<1	
0.04	0.002	0.02	<.1		<.01	0.1	<.1	<.05	<1	
0.5	0.001	0.08	<.1		<.01	2.4	<.1	<.05		1
0.75	0.015	0.24	<.1		0.01	1.7	0.1	<.05		3
0.04	0.001	0.02	<.1		<.01	0.1	<.1	<.05	<1	
0.13	0.002	0.07	<.1		<.01	0.3	<.1	<.05		1
0.03	0.002	0.01	<.1		<.01	0.1	<.1	<.05	<1	
0.05	0.004	0.03	<.1		0.01	0.1	<.1	<.05	<1	
0.51	0.008	0.67		0.6	0.05	3.2	0.2	1.01		3
0.44	0.022	0.04	<.1		0.01	2.8	<.1	<.05		2
0.21	0.002	0.04		0.1	0.17	0.8	0.5	>10		1
2.05	0.033	0.15		4.8	0.19	3.5	1.1	<.05		6

Se ppm
<.5
<.5
<.5
24.8
0.5
<.5
11.9
52.5
0.8
8.5
1.9
9.7
0.7
1.2
0.6
0.7
<.5
3
1.7
0.9
<.5
<.5
<.5
<.5
<.5
0.9
<.5
<.5
<.5
<.5
17.2
<.5
63.5
5

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R(
To Berdahl, Ron
Acme file # A406681 Page 1 Received: OCT 25 2004 * 1068 samples in this disk file.
Analysis: GROUP 1DX - 15.0 GM

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn
SAMPLES ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
G-1	1.7	3.2	2.4	43	<.1	4.1	4.2	549
ML1 0	0.3	15.7	4.3	38	<.1	447.4	39.3	600
ML1 50	0.3	12.9	4.7	33	0.1	194.4	28.3	718
ML1 100	0.5	11.5	3.9	36	0.1	338.9	32.8	430
ML1 150	0.4	27.3	4.7	40	0.1	305.1	31.4	515
ML1 300	0.5	10.9	4.8	51	<.1	75.5	12.8	259
ML1 350	0.4	27.2	4.1	32	0.1	326.2	20.2	357
ML1 400	0.3	8.2	3.7	25	<.1	196.3	20	317
ML1 450	0.3	11.9	4	30	<.1	276.8	23	363
ML1 500	0.3	22	3.6	37	<.1	582.1	31	462
ML2 0	1	30.1	9.3	55	0.2	56.6	11.4	524
ML2 50	0.7	40.8	8.8	59	0.3	64.4	13.7	829
ML2 100	0.6	27.9	10	53	0.2	62.7	13.9	783
ML2 150	0.7	27.6	8	48	0.2	67	13.5	574
RE ML2 15	0.8	27.3	7.4	47	0.2	66.2	13.1	561
ML2 200	0.7	20.7	6.8	44	0.1	72.1	13	384
ML2 250	1.3	40.3	8.4	66	0.2	110.1	14.2	760
ML2 300	0.6	21.8	6.6	49	0.1	125.3	21.5	631
ML2 350	0.7	19.6	5.7	49	0.1	89.8	16.8	525
ML2 400	0.6	18	5.6	39	0.1	103.3	13.4	376
ML2 450	0.5	20.4	10	41	0.1	178.2	19.2	481
ML2 500	0.9	48.4	9.1	115	0.3	121.4	18.8	1096
ML2 550	0.7	16.2	5.3	45	0.1	58.6	9.1	299
ML2 600	0.9	21.1	6	44	<.1	118.2	13.1	349
ML2 650	0.6	26.7	6.7	51	0.1	70.8	11.9	514
ML2 700	0.7	102.8	17.4	126	0.2	160.1	28.7	674
ML2 750	0.9	102.9	22.8	124	0.2	127.5	30.6	1077
ML2 800	0.7	39.5	5.6	56	0.1	111	15.7	472
ML2 850	0.3	21	5	41	0.1	30.5	6.4	429
ML2 900	0.7	34.5	9.8	57	0.1	80	14.5	430
ML2 950	0.6	27.2	6.8	50	0.1	64.2	11.2	285
ML2 1000	0.7	50.2	7.8	68	0.1	85.7	13.3	431
ML6 0	0.4	19.8	4.3	43	<.1	384	29	511
ML6 50	0.6	46.2	4.9	63	0.3	137.5	16.5	611
STANDAR	12.8	138.7	25.8	137	0.3	24.2	12	783
G-1	1.6	2.9	2.2	39	<.1	4.3	3.6	493
ML6 100	0.7	78.8	8.1	110	0.6	277.8	26.9	925
ML6 250	1.1	28.5	4.9	60	0.1	132.4	14.9	357
ML6 300	1	20.6	5.2	47	0.1	180.3	21.6	525
ML6 350	0.8	48	5.4	46	0.1	209.4	21.9	582
ML6 400	10.3	114.2	8.1	142	0.2	190	36.2	1845
ML6 450	1.5	23.4	6.4	52	0.1	126.1	17.7	493
ML6 500	0.8	24.6	5.9	43	0.1	143.6	17.2	432
ML6 550	0.7	29.9	6.6	48	0.2	101.2	17.6	552
ML6 600	0.7	26.7	7.2	47	0.1	115.4	17.5	414
ML6 650	0.7	17.4	7	39	0.1	109.5	18.5	475

From ACME PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Berdahl
Acme file #
Analysis: G

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
SAMPLES %	ppm	ppm	ppb	ppm	ppm	ppm	ppm	
G-1	2.03	<.5	1.9	<.5	4.7	89	<.1	<.1
ML1 0	3.46	4.6	0.4	1	1.3	11	0.1	0.2
ML1 50	2.56	2.7	0.3	1.1	1.7	12	0.3	0.2
ML1 100	3.06	3.3	0.3	1.9	2.1	11	0.1	0.3
ML1 150	2.96	4.8	0.4	0.8	1.7	14	0.1	0.3
ML1 300	2.27	3.2	0.3	2.7	1.4	12	0.7	0.3
ML1 350	2.43	4.2	0.7	34.8	0.7	15	<.1	0.2
ML1 400	2.15	2.7	0.3	0.6	2	11	0.1	0.2
ML1 450	2.43	3.3	0.4	8.8	2.2	12	0.1	0.3
ML1 500	3.17	4.1	0.7	2.7	2.3	18	0.1	0.3
ML2 0	2.77	26.7	0.5	19.7	0.8	35	0.1	0.6
ML2 50	2.25	19.3	0.5	2.7	0.7	50	0.3	0.5
ML2 100	2.23	13.9	0.4	2.5	0.7	24	0.3	0.5
ML2 150	2.47	14.1	0.5	3.5	1.4	24	0.2	0.6
RE ML2 15	2.42	14.2	0.4	5.5	1.3	24	0.1	0.5
ML2 200	2.38	9.7	0.4	3	2.3	17	0.1	0.6
ML2 250	2.31	22.7	0.6	2.6	0.4	39	0.3	0.6
ML2 300	2.81	6.5	0.4	0.9	1.3	16	0.2	0.4
ML2 350	2.64	8.1	0.4	2.4	0.8	19	0.2	0.5
ML2 400	2.56	8.3	0.4	6.3	0.6	17	0.1	0.5
ML2 450	2.47	10.7	0.4	20.8	1.1	25	0.1	0.4
ML2 500	2.28	11.1	0.6	0.5	0.6	25	1.8	0.3
ML2 550	2.13	5.7	0.4	1.2	1.3	20	0.2	0.4
ML2 600	2.39	7	0.4	1.8	1.5	19	0.2	0.4
ML2 650	2.04	8.8	0.5	3	1.4	29	0.2	0.4
ML2 700	4.64	19.5	0.5	7.8	1.8	65	0.2	0.4
ML2 750	4.41	31.4	1.2	10.1	1	53	0.3	0.3
ML2 800	2.63	9	0.5	3.7	1.8	21	0.1	0.6
ML2 850	0.8	6.1	0.4	0.7	0.1	21	0.6	0.1
ML2 900	2.61	13.9	0.5	5.6	1.7	26	0.1	0.4
ML2 950	2.47	9.1	0.3	2.3	2.2	18	0.1	0.4
ML2 1000	2.65	9.8	0.5	4.3	2.6	36	0.2	0.4
ML6 0	3.13	6.1	0.5	3.5	1.8	24	0.1	0.5
ML6 50	2.25	6.9	1.3	3.5	1.2	53	0.2	0.4
STANDAR	3.04	18.3	6.4	42.1	2.7	49	5.7	3.8
G-1	1.87	<.5	1.7	<.5	4.2	80	<.1	<.1
ML6 100	3.2	13.2	2.7	6.1	1.8	52	0.5	0.5
ML6 250	2.89	12.3	0.5	2.4	0.8	18	0.2	0.5
ML6 300	2.96	10	0.4	2.4	0.9	14	0.1	0.6
ML6 350	2.66	14.1	0.8	1.8	0.7	24	0.2	0.5
ML6 400	7.96	71.2	1	2.5	0.9	28	0.7	2.8
ML6 450	3.37	13.3	0.5	10.6	0.5	15	0.2	0.6
ML6 500	3.09	12.4	0.5	9	0.6	11	0.1	0.5
ML6 550	2.88	9.1	0.5	1.3	0.5	13	0.1	0.4
ML6 600	2.85	6.8	0.4	1.4	0.4	15	0.3	0.4
ML6 650	2.93	7.5	0.4	2.7	2	14	0.3	0.4

From ACM
To Berdahl
Acme file #
Analysis: G

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba
SAMPLES ppm	ppm	%	%	ppm	ppm	%	ppm
G-1	0.1	40	0.6	0.095	8	14	0.55	226
ML1 0	0.1	45	0.21	0.025	5	240.8	4.22	63
ML1 50	0.1	37	0.19	0.027	5	142.9	1.5	84
ML1 100	0.1	43	0.27	0.031	6	218.6	3.43	65
ML1 150	0.1	53	0.34	0.028	6	175.1	3.56	66
ML1 300	0.1	43	0.13	0.029	7	87.3	0.85	74
ML1 350	0.1	42	0.28	0.045	8	183.8	2.97	91
ML1 400	0.1	40	0.21	0.009	7	156.2	2.22	85
ML1 450	0.1	42	0.22	0.011	7	172	2.66	90
ML1 500	0.1	48	0.31	0.032	8	270.7	4.45	102
ML2 0	0.1	67	0.38	0.053	7	86.4	1.26	237
ML2 50	0.1	52	0.88	0.094	8	70.7	0.87	280
ML2 100	0.1	48	0.34	0.06	8	71.3	0.73	160
ML2 150	0.2	55	0.36	0.043	8	88.8	1.04	141
RE ML2 15	0.1	54	0.34	0.041	7	84.4	0.96	129
ML2 200	0.1	51	0.22	0.057	8	86.1	1.05	88
ML2 250	0.1	58	0.53	0.126	7	102.8	0.98	238
ML2 300	0.1	59	0.23	0.061	8	140.3	1.33	124
ML2 350	0.2	52	0.29	0.077	8	115	1.18	146
ML2 400	0.1	54	0.25	0.048	7	116.2	1.11	106
ML2 450	0.1	50	0.42	0.045	6	141.8	1.73	122
ML2 500	0.2	52	0.36	0.062	9	82.2	0.68	187
ML2 550	0.1	55	0.3	0.039	8	85.4	1.05	132
ML2 600	0.1	58	0.25	0.034	8	101.4	1.42	99
ML2 650	0.1	50	0.5	0.065	9	77.3	1.03	123
ML2 700	0.2	136	0.69	0.066	6	127	2.65	372
ML2 750	0.2	144	0.58	0.07	7	140.4	2.33	234
ML2 800	0.1	72	0.35	0.045	7	120.6	1.46	121
ML2 850	0.1	23	0.22	0.027	4	26	0.26	88
ML2 900	0.2	73	0.35	0.039	7	96.7	1.37	131
ML2 950	0.2	69	0.25	0.034	7	87.1	1.14	123
ML2 1000	0.2	74	0.5	0.074	9	76	1.36	179
ML6 0	0.1	59	0.46	0.067	7	258	3.6	130
ML6 50	0.1	46	1.17	0.093	11	84.2	1.29	174
STANDAR	6	61	0.76	0.096	12	187.5	0.68	144
G-1	0.1	37	0.54	0.083	7	12.7	0.49	190
ML6 100	0.2	63	1.23	0.08	14	128.8	1.84	176
ML6 250	0.1	44	0.21	0.056	7	136.2	1.48	91
ML6 300	0.1	46	0.24	0.04	7	145.6	1.84	76
ML6 350	0.1	41	0.45	0.062	10	112.3	1.41	101
ML6 400	0.2	36	0.56	0.133	15	63.2	0.78	113
ML6 450	0.1	50	0.27	0.049	7	147.8	1.34	86
ML6 500	0.1	46	0.23	0.064	7	149.8	1.51	91
ML6 550	0.1	50	0.21	0.061	8	131.1	0.99	90
ML6 600	0.1	47	0.32	0.091	7	148	1.06	80
ML6 650	0.1	54	0.3	0.032	6	129.3	1.23	108

From ACM
To Berdahl
Acme file #
Analysis: G

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc
SAMPLES %	ppm	%	%	%	ppm	ppm	ppm
G-1	0.116 <1	0.94	0.074	0.44	1.5	<.01	2.2
ML1 0	0.051 6	0.97	0.012	0.05	0.2	0.01	4.2
ML1 50	0.066 1	0.83	0.014	0.05	0.2	0.01	2.8
ML1 100	0.062 4	0.86	0.011	0.04	0.2	<.01	3.4
ML1 150	0.061 4	1.3	0.009	0.03	0.2	0.01	4
ML1 300	0.067 1	0.83	0.008	0.03	0.2	<.01	1.9
ML1 350	0.043 2	1.07	0.011	0.03	0.2	0.01	3.4
ML1 400	0.073 2	0.86	0.011	0.02	0.2	<.01	2.5
ML1 450	0.068 3	0.89	0.011	0.02	0.1	0.01	2.9
ML1 500	0.062 6	1.06	0.021	0.03	0.1	0.01	5.7
ML2 0	0.076 <1	1.66	0.017	0.14	0.4	<.01	4
ML2 50	0.038 1	1.28	0.017	0.23	0.4	0.03	2.5
ML2 100	0.048 2	1.1	0.011	0.16	0.4	0.01	2.4
ML2 150	0.071 2	1.31	0.014	0.16	0.4	0.01	3.5
RE ML2 15	0.071 <1	1.2	0.015	0.15	0.4	0.01	3.2
ML2 200	0.077 1	1.15	0.01	0.14	0.3	<.01	3.3
ML2 250	0.032 2	1.52	0.021	0.14	0.3	0.02	2
ML2 300	0.074 2	1.2	0.01	0.15	0.4	0.01	3.2
ML2 350	0.063 2	1.15	0.01	0.14	0.2	0.01	2.7
ML2 400	0.064 1	1.14	0.01	0.11	0.3	0.01	2.6
ML2 450	0.056 4	1.09	0.022	0.16	0.3	<.01	3.7
ML2 500	0.058 1	1.11	0.01	0.15	0.4	0.01	2.6
ML2 550	0.071 2	1.21	0.01	0.04	0.4	0.01	3.1
ML2 600	0.08 2	1.14	0.014	0.05	0.4	<.01	2.8
ML2 650	0.063 1	1.17	0.019	0.06	0.5	0.01	3.1
ML2 700	0.239 2	3.13	0.062	0.46	0.3	0.01	9.2
ML2 750	0.2 1	3.08	0.047	0.12	0.4	0.04	8.2
ML2 800	0.127 2	1.44	0.019	0.13	0.4	<.01	4.2
ML2 850	0.038 <1	0.47	0.021	0.05	0.1	0.01	1
ML2 900	0.125 2	1.69	0.019	0.08	0.5	0.01	3.8
ML2 950	0.121 1	1.45	0.014	0.08	0.6	0.01	3.5
ML2 1000	0.138 1	1.69	0.037	0.2	0.7	0.01	4.6
ML6 0	0.08 9	1.08	0.018	0.05	0.2	0.01	4.7
ML6 50	0.051 2	1.28	0.018	0.05	0.3	0.05	3.5
STANDAR	0.097 18	2.16	0.034	0.14	4.8	0.18	3.4
G-1	0.119 1	0.81	0.069	0.39	1.5	<.01	1.9
ML6 100	0.065 4	1.93	0.018	0.1	0.2	0.06	6
ML6 250	0.043 2	1.09	0.008	0.03	0.2	0.01	2.7
ML6 300	0.048 3	1.11	0.011	0.04	0.2	0.01	2.7
ML6 350	0.038 2	1.1	0.011	0.04	0.2	0.01	2.7
ML6 400	0.029 1	1.94	0.01	0.04	0.2	0.02	4.4
ML6 450	0.049 2	1.11	0.01	0.05	0.2	0.01	1.9
ML6 500	0.041 1	1.31	0.007	0.03	0.2	0.01	2.1
ML6 550	0.051 1	1.26	0.008	0.05	0.2	0.02	2.4
ML6 600	0.042 1	1.04	0.009	0.05	0.2	0.01	1.9
ML6 650	0.082 2	1.27	0.008	0.05	0.3	0.02	2.7

From ACM
To Berdahl
Acme file #
Analysis: G

ELEMENT	Tl	S	Ga	Se	
SAMPLES	ppm	%	ppm	ppm	
G-1		0.3 <.05		5 <.5	
ML1 0	<.1	<.05		3 <.5	
ML1 50	<.1	<.05		3 <.5	
ML1 100	<.1	<.05		3 <.5	
ML1 150	<.1	<.05		4 <.5	
ML1 300	<.1	<.05		4 <.5	
ML1 350		0.1 <.05		3 <.5	
ML1 400	<.1	<.05		3 <.5	
ML1 450		0.1 <.05		3 <.5	
ML1 500	<.1	<.05		3 <.5	
ML2 0		0.1 <.05		6	0.9
ML2 50		0.1 <.05		4	0.7
ML2 100		0.1 <.05		4 <.5	
ML2 150		0.1 <.05		4	0.5
RE ML2 15		0.1 <.05		4	0.6
ML2 200		0.1 <.05		4 <.5	
ML2 250		0.1 <.05		4	0.8
ML2 300		0.1 <.05		4	0.5
ML2 350		0.1 <.05		4 <.5	
ML2 400		0.1 <.05		4 <.5	
ML2 450		0.1 <.05		3 <.5	
ML2 500		0.1 <.05		4 <.5	
ML2 550		0.1 <.05		5	0.5
ML2 600		0.1 <.05		4 <.5	
ML2 650		0.1 <.05		4 <.5	
ML2 700		0.3 <.05		10 <.5	
ML2 750		0.2 <.05		10	0.7
ML2 800		0.1 <.05		5	0.5
ML2 850		0.1 <.05		2	0.5
ML2 900		0.1 <.05		5 <.5	
ML2 950		0.1 <.05		5 <.5	
ML2 1000		0.1 <.05		5	0.5
ML6 0		0.1 <.05		4	0.5
ML6 50	<.1		0.08	3	2.5
STANDAR		1 <.05		7	4.9
G-1		0.3 <.05		4 <.5	
ML6 100		0.1 <.05		6	2.2
ML6 250		0.1 <.05		4	1
ML6 300		0.1 <.05		4	0.5
ML6 350		0.1 <.05		3	1.3
ML6 400		0.1 <.05		3	3.7
ML6 450		0.1 <.05		5	0.8
ML6 500		0.1 <.05		5	0.5
ML6 550		0.1 <.05		5	0.5
ML6 600		0.1 <.05		4	0.5
ML6 650		0.1 <.05		5 <.5	

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
ML7 0	2.9	17.7	5.3	62	<.1		108.3	13.7	364
ML7 50	6.1	14.5	4.6	37	<.1		128.2	13.9	335
ML7 100	7.7	22.5	4.4	53	<.1		119.8	10.4	332
ML7 150	3.2	18.1	7.5	40		0.1	82	10.7	289
ML7 200	1.8	19.1	4.9	54		0.1	122.2	12.2	323
ML7 250	1.6	13.8	5.4	54	<.1		159.3	17.2	506
ML7 300	0.5	18.6	3.6	31	<.1		428.2	29.3	501
ML7 350	0.5	13.5	4.7	32	<.1		300.1	29.8	581
RE ML7 35	0.4	13.5	4.7	34	<.1		294.8	27.2	586
ML7 400	0.6	30.9	5	45		0.1	612.6	35.9	641
ML7 450	0.5	9.3	4.1	33	<.1		132.4	11.1	247
ML7 500	0.5	15.4	4.5	33	<.1		192	17.4	384
ML7 550	0.5	17.8	4.1	36	<.1		344.1	31.2	538
ML7 600	1.1	12.4	15.2	114		0.1	62.1	11.1	394
ML7 650	0.5	9.8	4.8	41		0.1	47.3	7.6	268
ML7 700	0.6	17.8	4.5	37		0.1	107.9	13.8	397
ML7 750	0.7	16.5	6.3	69		0.1	47.8	12.2	519
ML7 800	0.9	15.7	4.6	45		0.1	34.5	9.2	320
ML7 850	0.6	12.9	5.9	47	<.1		89.3	12.7	322
ML7 900	1.4	26.7	7	109		0.1	47.6	17.5	691
ML7 950	1.2	16.6	6.2	60		0.1	37	11.7	470
ML8 0	7.3	16.9	5.5	36		0.1	97.5	9.8	386
ML8 50	12.3	21.8	5.9	59		0.1	87.6	10.3	391
STANDAR	12.5	140.8	24.9	140		0.3	23.1	11.7	781
G-1	1.7	3.3	2.1	40	<.1		4.9	3.8	511
ML8 100	27.7	30.9	7.7	64		0.1	123	16.6	727
ML8 150	10.3	23.8	6.7	69		0.1	97.9	14.1	686
ML8 200	10.4	39.4	9.4	67		0.3	93.7	13.9	585
ML8 250	11.8	21.6	5.9	65		0.1	94.3	12.8	320
ML8 300	15.3	31.1	7	60		0.1	115.8	16.3	668
ML8 350	12.2	38.5	8.2	84		0.1	142.1	15.7	766
ML8 400	7.7	18.6	6.7	61		0.1	111.8	13.4	412
ML8 450	9.2	39.6	8.9	111		0.1	114.3	15.7	747
ML8 500	22.2	53.8	30.8	222		0.6	97.3	17.2	700
ML8 550	7.9	101.9	9.1	160		0.4	72.3	13.7	587
ML8 600	14.4	116.1	10.3	206		0.5	98.2	21	833
RE ML8 60	13.9	120.5	9.7	204		0.4	94.7	20.6	811
ML8 650	12.9	74.8	6.8	75		0.3	133.1	19.1	575
ML8 700	4.8	68.9	7.5	76		0.3	160.4	21.4	682
ML8 750	0.5	10.6	4	54	<.1		185.8	23.8	400
ML8 800	0.5	11.5	4.3	43	<.1		130.3	14.2	230
ML8 850	0.4	16.8	6.5	44		0.1	184.6	19.7	363
ML8 900	0.4	15.2	5	43	<.1		218.7	25.3	499
ML8 950	0.5	22	6.5	46		0.1	407.1	47.1	769
ML8 1000	0.4	21	5.8	44		0.1	113.8	15.1	477
ML8 1050	0.4	20	4.3	37	<.1		335.2	23.8	402
ML8 1100	0.5	34.3	4.3	36		0.1	344.5	23.4	439
ML8 1150	0.5	62.4	14.1	55		0.1	293.1	30.2	616
ML9 0	0.8	40	6.2	52		0.1	47.2	10.9	415
ML9 50	1	26.4	8.7	68		0.1	26.8	10.5	348
ML9 100	1.1	54.8	7.3	77		0.1	64.1	14.1	512

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
ML7 0	2.31	5.5	0.5	2.7	0.8	12	0.5	0.5
ML7 50	2.26	4.8	1	1.8	1.3	14	0.1	0.4
ML7 100	2.18	6.3	1.4	1.4	0.4	16	0.2	0.3
ML7 150	2.5	7.4	1.2	1.4	3.3	15	0.2	0.4
ML7 200	2.34	7.7	1.2	9.3	0.6	12	0.3	0.4
ML7 250	2.63	4.9	0.6	1.4	0.6	14	0.3	0.4
ML7 300	2.6	4.1	0.8	4	2.4	17	0.1	0.4
ML7 350	2.7	4.3	0.5	2.9	1.7	13	0.1	0.4
RE ML7 35	2.63	4.6	0.5	2.2	1.7	14	0.2	0.3
ML7 400	3.28	6	0.6	4.1	3.3	23	0.1	0.6
ML7 450	2.04	3.5	0.3	1.1	2.2	11	0.2	0.2
ML7 500	2.2	4.3	0.5	1	2.5	12	0.2	0.4
ML7 550	2.86	5.1	0.4	2.8	2.2	13	0.1	0.4
ML7 600	2.31	5.6	0.8	1.5	2.3	15	1.4	0.4
ML7 650	1.86	3.6	0.5	2.5	3	10	0.3	0.3
ML7 700	2.32	5.2	0.4	6.9	2.2	15	0.1	0.4
ML7 750	2.23	5	0.4	1.4	1	15	0.4	0.4
ML7 800	2.13	5	0.7	2.5	2.5	14	0.2	0.5
ML7 850	2.39	5.6	0.4	2.6	2.9	11	0.3	0.4
ML7 900	3.2	10.5	0.5	3.8	2.2	14	0.6	0.8
ML7 950	2.57	7	0.5	2.9	2.2	17	0.3	0.5
ML8 0	1.92	5.2	2	5.5		20	0.1	0.3
ML8 50	2.04	5.3	2.6	2.8	1.3	27	0.1	0.3
STANDAR	3.02	17.7	6.3	43.4	2.8	47	5.3	3.7
G-1	1.76	<.5	1.7	<.5	4.2	84	<.1	<.1
ML8 100	2.44	6.6	6.2	5.8	1.7	38	0.1	0.4
ML8 150	2.04	5	1.7	1.5	1.4	32	0.1	0.3
ML8 200	2.28	8.5	3.2	2.4	2.5	38	0.2	0.3
ML8 250	2.28	7.8	0.7	2.1	1.1	12	0.5	0.5
ML8 300	2.6	8.1	1.7	2.2	2.1	24	<.1	0.4
ML8 350	3	9.3	3.2	3.2	3.6	28	0.2	0.5
ML8 400	2.26	6.6	0.8	4.5	2.7	16	0.3	0.4
ML8 450	2.48	7.3	1.7	1.9	1.9	42	0.6	0.4
ML8 500	2.46	21.8	4.4	4.5	2.5	19	1.3	1.2
ML8 550	2.69	8.6	2.4	4.9	4.1	38	0.7	0.6
ML8 600	3.85	9.9	1.6	5.3	3.1	52	0.6	0.5
RE ML8 60	3.72	9.3	1.6	4.6	3	50	0.5	0.5
ML8 650	2.46	6.7	1.5	3.7	2	42	0.2	0.3
ML8 700	2.59	11.1	1.4	3	1.2	45	0.2	0.4
ML8 750	2.35	2.7	0.3	2.8	1.3	14	0.4	0.3
ML8 800	2.31	3.5	0.3	0.7	1.3	12	0.2	0.3
ML8 850	2.65	5.8	0.4	10.4	1.5	18	0.1	0.3
ML8 900	2.55	4.6	0.4	1.5	2	15	0.1	0.3
ML8 950	3.41	6.8	0.5	1.5	1.7	18	0.4	0.3
ML8 1000	1.64	3.5	0.4	0.5	1.3	24	0.3	0.2
ML8 1050	2.39	5.2	0.5	4.1	1.5	17	0.1	0.3
ML8 1100	2.36	6.1	0.8	2.2	1.4	22	0.1	0.3
ML8 1150	3.23	69.9	1	5.6	1	29	0.1	0.3
ML9 0	2.51	10.5	0.8	8.2	2.4	20	0.2	0.6
ML9 50	2.94	10.5	0.6	2.9	2.2	21	0.5	0.5
ML9 100	2.66	10.7	0.7	4.1	2.8	24	0.4	0.5

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
ML7 0	0.1	45	0.24	0.05	8	99.1	1.21	65
ML7 50	0.1	45	0.24	0.025	8	123.2	1.54	86
ML7 100	0.1	42	0.2	0.044	8	106.4	1.28	109
ML7 150	0.2	55	0.22	0.05	10	89.9	0.83	98
ML7 200	0.1	46	0.2	0.058	8	112.9	1.4	73
ML7 250	0.1	50	0.21	0.047	7	138.6	1.69	118
ML7 300	0.1	37	0.39	0.053	9	179.4	3.22	116
ML7 350	0.1	41	0.25	0.024	6	175.6	2.86	108
RE ML7 35	0.1	42	0.26	0.024	6	174.2	2.95	108
ML7 400	0.1	46	0.45	0.054	10	217.7	4.65	153
ML7 450	0.1	42	0.23	0.02	7	105.5	1.75	96
ML7 500	0.1	40	0.2	0.014	7	118.2	1.88	85
ML7 550	0.1	48	0.25	0.02	7	207.6	3.21	94
ML7 600	1	45	0.18	0.046	9	58.8	0.63	119
ML7 650	0.3	37	0.13	0.017	7	42.1	0.55	59
ML7 700	0.1	50	0.31	0.032	7	95.5	1.42	106
ML7 750	0.2	53	0.23	0.047	9	72.6	0.8	121
ML7 800	0.2	50	0.29	0.043	8	47.6	0.71	90
ML7 850	0.2	47	0.23	0.084	8	78.5	1.2	80
ML7 900	0.7	67	0.26	0.08	7	70.1	0.83	154
ML7 950	0.6	55	0.29	0.051	9	59.7	0.72	111
ML8 0	0.1	40	0.38	0.075	15	69.8	1.12	78
ML8 50	0.2	47	0.45	0.052	10	85.9	1.18	113
STANDAR	6.1	59	0.74	0.09	12	189.5	0.68	135
G-1	0.1	41	0.52	0.071	7	14.1	0.48	193
ML8 100	0.2	55	0.68	0.066	13	96.2	1.13	163
ML8 150	0.1	45	0.59	0.042	8	85.2	1.08	129
ML8 200	0.2	53	0.5	0.045	14	89.9	0.85	183
ML8 250	0.1	51	0.19	0.029	7	128.2	0.85	74
ML8 300	0.2	66	0.41	0.047	10	99.3	1.25	171
ML8 350	0.2	68	0.48	0.046	13	102.6	1.46	163
ML8 400	0.2	51	0.26	0.052	9	97.6	1.18	84
ML8 450	0.2	60	0.76	0.058	10	91.4	1.27	130
ML8 500	0.4	50	0.23	0.06	16	94.6	1.05	106
ML8 550	0.4	71	0.65	0.061	14	69.2	1.15	147
ML8 600	0.6	106	0.94	0.056	14	89.8	1.53	273
RE ML8 60	0.6	114	0.89	0.056	13	89	1.54	262
ML8 650	0.2	63	0.76	0.074	11	88.5	1.23	156
ML8 700	0.4	71	1.2	0.078	9	104.3	1.43	200
ML8 750	0.1	44	0.27	0.031	6	178.1	1.79	72
ML8 800	0.1	47	0.16	0.025	7	119.6	1.28	144
ML8 850	0.1	54	0.28	0.025	6	163.3	1.79	96
ML8 900	0.1	48	0.25	0.035	7	178.6	2.23	98
ML8 950	0.1	57	0.32	0.033	6	282	4.05	117
ML8 1000	0.1	36	0.31	0.028	6	78.1	0.77	144
ML8 1050	0.1	43	0.35	0.033	7	177.9	3.13	99
ML8 1100	0.1	42	0.5	0.039	8	188.8	2.72	104
ML8 1150	0.1	57	0.59	0.053	6	173.5	2.73	103
ML9 0	0.2	71	0.36	0.055	10	60.2	0.79	127
ML9 50	0.2	74	0.29	0.088	9	59.5	0.78	91
ML9 100	0.6	78	0.36	0.064	9	66.5	1.14	148

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
ML7 0	0.052	1	1.07	0.009	0.05	0.3	0.01	1.9
ML7 50	0.072	2	0.99	0.01	0.04	0.4	0.01	2.4
ML7 100	0.036	2	1.1	0.011	0.04	0.4	0.01	1.8
ML7 150	0.079	1	1.2	0.009	0.06	0.5	0.01	2.6
ML7 200	0.045	3	1.07	0.008	0.04	0.3	0.01	1.6
ML7 250	0.045	2	1.05	0.01	0.04	0.3	0.01	2.1
ML7 300	0.057	5	0.83	0.023	0.04	0.2	0.01	3.4
ML7 350	0.058	5	0.99	0.013	0.04	0.2	0.01	3.5
RE ML7 35	0.058	3	1.01	0.013	0.04	0.2	0.01	3.6
ML7 400	0.069	9	1.14	0.029	0.07	0.1	0.03	5.3
ML7 450	0.07	3	0.98	0.008	0.04	0.2	0.01	2.4
ML7 500	0.07	2	0.92	0.012	0.03	0.2	<.01	3.1
ML7 550	0.082	5	1.08	0.012	0.03	0.2	0.01	3.6
ML7 600	0.056	1	1.27	0.008	0.05	1.3	0.02	2
ML7 650	0.06	1	0.96	0.006	0.05	0.5	<.01	1.9
ML7 700	0.082	2	1.13	0.01	0.05	0.2	0.01	2.9
ML7 750	0.072	3	1.24	0.009	0.06	0.3	0.01	2.6
ML7 800	0.102	1	1.03	0.01	0.13	0.4	0.01	2.9
ML7 850	0.066	2	1.06	0.007	0.05	0.4	<.01	2.4
ML7 900	0.097	2	1.44	0.009	0.08	0.7	0.02	4
ML7 950	0.098	2	1.11	0.009	0.09	1.1	0.01	2.9
ML8 0	0.067	2	0.78	0.015	0.06	0.7	0.01	2.2
ML8 50	0.058	2	1.32	0.013	0.06	0.4	0.02	2.9
STANDAR	0.097	16	2.05	0.031	0.15	5.3	0.18	3.4
G-1	0.118	2	0.83	0.068	0.38	1.2	<.01	2.2
ML8 100	0.065	2	1.56	0.021	0.06	0.4	0.03	3.7
ML8 150	0.052	3	1.25	0.014	0.05	0.4	0.03	2.8
ML8 200	0.057	2	1.5	0.014	0.06	0.5	0.02	4.4
ML8 250	0.07	2	0.84	0.009	0.04	0.4	0.02	2.5
ML8 300	0.096	2	1.63	0.015	0.05	0.5	0.02	4.1
ML8 350	0.113	2	1.61	0.019	0.09	0.9	0.01	5.3
ML8 400	0.085	2	1.14	0.014	0.05	1.1	0.01	2.8
ML8 450	0.081	2	1.55	0.021	0.05	0.7	0.02	4
ML8 500	0.051	3	1.55	0.011	0.05	0.5	0.02	3.1
ML8 550	0.119	2	1.58	0.024	0.09	1.2	0.02	5.8
ML8 600	0.168	2	2.71	0.029	0.15	1.7	0.04	10.5
RE ML8 60	0.172	2	2.53	0.03	0.15	1.7	0.04	10.8
ML8 650	0.076	2	1.64	0.023	0.05	0.6	0.03	4.6
ML8 700	0.075	3	1.53	0.019	0.06	0.7	0.02	4
ML8 750	0.065	4	0.75	0.01	0.05	0.3	0.02	2.6
ML8 800	0.06	2	1.07	0.011	0.03	0.2	0.01	2.6
ML8 850	0.078	3	1.14	0.015	0.09	0.2	<.01	3.8
ML8 900	0.077	4	1.04	0.013	0.09	0.2	0.01	3.5
ML8 950	0.079	7	1.2	0.018	0.16	0.2	0.01	4.6
ML8 1000	0.07	2	0.88	0.02	0.1	0.2	0.02	3
ML8 1050	0.055	3	0.95	0.011	0.03	0.1	<.01	3.5
ML8 1100	0.05	6	1.01	0.015	0.03	0.1	0.02	4.4
ML8 1150	0.055	4	1.38	0.019	0.06	0.1	0.03	5
ML9 0	0.124	2	1.25	0.012	0.11	0.4	0.02	3.8
ML9 50	0.113	1	1.72	0.013	0.09	0.4	0.02	3.1
ML9 100	0.173	2	1.52	0.024	0.2	1	0.02	4

ELEMENT	Tl	S	Ga	Se	
ML7 0		0.1	<.05	4	0.7
ML7 50		0.1	<.05	4	0.5
ML7 100		0.1	<.05	4	0.6
ML7 150		0.1	<.05	5	<.5
ML7 200	<.1		<.05	4	<.5
ML7 250		0.1	<.05	5	<.5
ML7 300	<.1		<.05	3	<.5
ML7 350	<.1		<.05	3	<.5
RE ML7 35	<.1		<.05	3	0.5
ML7 400		0.1	<.05	4	0.6
ML7 450		0.1	<.05	4	<.5
ML7 500	<.1		<.05	3	0.5
ML7 550	<.1		<.05	3	<.5
ML7 600		0.1	<.05	4	0.5
ML7 650		0.1	<.05	4	0.5
ML7 700		0.1	<.05	4	<.5
ML7 750		0.1	<.05	5	<.5
ML7 800		0.1	<.05	5	<.5
ML7 850	<.1		<.05	4	0.5
ML7 900		0.1	<.05	5	<.5
ML7 950		0.1	<.05	5	0.6
ML8 0		0.1	<.05	3	<.5
ML8 50		0.1	<.05	4	<.5
STANDAR		1.1	<.05	6	5
G-1		0.3	<.05	4	<.5
ML8 100		0.1	0.06	5	0.7
ML8 150		0.1	<.05	5	<.5
ML8 200		0.1	<.05	5	<.5
ML8 250		0.1	<.05	5	<.5
ML8 300		0.1	<.05	6	<.5
ML8 350		0.1	<.05	5	0.7
ML8 400		0.1	<.05	4	<.5
ML8 450		0.1	<.05	5	0.5
ML8 500		0.1	<.05	4	<.5
ML8 550		0.1	<.05	5	<.5
ML8 600		0.2	<.05	9	1.1
RE ML8 60		0.2	<.05	8	0.8
ML8 650		0.1	<.05	5	0.7
ML8 700		0.1	<.05	5	0.6
ML8 750	<.1		<.05	4	<.5
ML8 800		0.1	<.05	4	<.5
ML8 850		0.1	<.05	4	<.5
ML8 900		0.1	<.05	4	<.5
ML8 950		0.1	<.05	4	<.5
ML8 1000		0.1	<.05	4	<.5
ML8 1050	<.1		<.05	3	<.5
ML8 1100	<.1		<.05	3	<.5
ML8 1150		0.1	<.05	4	0.5
ML9 0		0.1	<.05	5	<.5
ML9 50		0.1	<.05	5	0.5
ML9 100		0.2	<.05	5	<.5

ELEMENT Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
ML9 150	2	22	6.2	71	0.1	27.8	9.6	368
ML9 200	1	30.6	7.5	55	0.1	59.6	14.6	508
ML9 250	2.2	27.2	7.6	67	0.1	42	11.4	464
ML9 300	2	23.1	6.2	70	0.1	37.7	10.2	434
ML9 350	1.3	18	6.5	49	0.1	40.2	9.1	351
ML9 400	1.9	31.1	7	57	0.1	51.6	11.9	376
ML9 450	1.1	20.1	13.1	48	0.1	39	10.7	323
STANDAR	12.5	140.9	25.2	136	0.3	24.7	11.9	793
G-1	1.3	3.3	2.2	49	<.1	4.6	4.5	538
ML9 500	1	17.1	6.1	44	0.1	24.6	7.8	276
ML9 550	4.3	40.3	10	64	0.1	59.7	11.5	364
ML9 600	0.8	22.6	5.6	44	0.1	47	9.1	251
ML9 650	1.1	19.8	6.3	48	0.1	35.1	8.7	299
ML9 700	0.9	29.9	6.9	54	0.1	90.1	20.9	743
ML9 750	1.2	25.5	6.7	59	0.1	54.5	13.5	414
ML9 800	1.4	30.7	7.1	54	0.1	62.6	11.9	336
ML9 850	0.9	23.9	6.8	60	<.1	61.4	12.8	382
ML9 900	1.8	33.1	6.3	58	0.1	76	15.8	501
ML9 950	1.2	28.6	6.5	66	0.1	51.7	19.6	1099
ML9 1000	0.9	14.7	5.1	44	0.1	29	8.8	321
ML10 0	1.2	58.4	10.8	68	0.2	29.4	10.2	551
ML10 100	0.6	43.9	10.2	65	0.1	31.8	12.7	569
ML10 200	0.6	36.8	9.9	60	<.1	34.8	12.4	436
ML10 300	0.9	53.7	11.5	96	0.1	34	15.6	660
ML10 400	0.5	24.5	12.8	59	0.1	18	10.8	524
RE ML10 4	0.7	24.4	13.3	57	0.1	19.1	11	576
ML10 500	0.8	92.5	14.9	71	0.2	38.9	15.4	659
ML10 600	0.7	56.1	14.9	75	0.2	31.9	14.1	483
ML10 700	0.8	72.1	10.7	65	0.2	35	11	476
ML10 800	0.6	77.7	14.2	77	0.2	46.1	15.4	599
ML10 900	0.6	17.8	7.9	49	0.1	28.4	11.5	416
ML10 100C	0.7	34	9.6	57	0.1	36.5	12.4	489
ML11 0	0.6	41.3	5.9	47	0.1	37.7	13	490
ML11 50	0.5	43.5	7.3	59	0.1	34.8	13.9	422
ML11 100	0.9	79.6	17.1	80	0.2	44.5	19.3	709
ML11 150	0.8	72.8	11.3	78	0.2	41.6	20.6	793
ML11 200	0.8	62.8	9.2	78	0.1	38.6	19.4	703
ML11 250	0.7	76.1	8.7	88	0.1	38	19.7	855
ML11 300	0.8	54	7.2	67	<.1	36.1	15.3	544
ML11 350	0.7	98	9.8	84	0.1	36.5	17.5	520
ML11 400	1.4	71.3	11.1	83	0.2	32.8	17.4	797
ML11 450	0.5	47.7	7.2	54	0.1	36.9	14.3	523
STANDAR	12.5	146.8	25.6	137	0.3	25.2	12	768
ML11 500	0.7	28.2	5.8	58	<.1	27.1	9.4	374
ML11 550	0.7	34.2	6.2	61	<.1	61.4	13	381
ML11 600	0.5	21.6	5.1	43	<.1	52.6	9.6	367
ML11 650	1.2	72.4	11.2	94	0.1	33.6	19.7	915
ML11 700	0.9	31.1	5.7	59	0.1	64.8	13.5	405
ML11 750	0.8	36.9	5.2	47	0.1	66.7	13.3	414
ML11 800	0.6	31.7	5	50	0.1	207.1	22.7	513
ML11 850	0.9	66	9.4	75	0.3	53	18.2	490

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
ML9 150	3.01	7.7	0.8	2	1	19	0.3	0.5
ML9 200	2.86	10.9	0.7	2.9	1.5	17	0.1	0.8
ML9 250	2.82	8.5	0.9	1.3	0.6	19	0.2	0.6
ML9 300	2.82	9.1	0.8	1.4	0.9	15	0.2	0.5
ML9 350	2.26	5.8	0.5	0.7	0.6	15	0.3	0.4
ML9 400	2.8	9.6	0.8	9.7	2	18	0.2	0.6
ML9 450	2.61	9.9	0.5	2.1	3	18	0.2	0.6
STANDAR	3	18.1	6.3	42.9	2.9	47	5.7	3.9
G-1	1.95	<.5	1.9	1.1	4.4	89	<.1	<.1
ML9 500	2.25	6.2	0.6	2.5	2.3	14	0.1	0.4
ML9 550	3.04	12.3	2.9	3.4	1.5	18	0.2	0.6
ML9 600	2.15	8.1	0.6	4.8	2.1	15	0.1	0.4
ML9 650	2.31	9.6	0.7	136.5	1.4	14	0.1	0.5
ML9 700	2.34	8.4	0.9	1.7	0.5	26	0.6	0.5
ML9 750	2.79	11.2	0.7	2.1	2.5	18	0.2	0.7
ML9 800	2.99	11.3	0.7	2.1	2.8	14	0.2	0.6
ML9 850	2.71	7.5	0.5	2	3	15	0.1	0.5
ML9 900	3.09	13.7	0.6	2.8	2.8	18	0.1	0.8
ML9 950	2.41	5.9	1	1.3	1.1	18	0.3	0.5
ML9 1000	2.03	5.9	0.4	14.7	2.4	14	0.2	0.4
ML10 0	2.43	10.2	1	5.4	1.2	72	0.2	0.7
ML10 100	2.85	12.1	0.9	9.1	2.8	33	0.1	0.5
ML10 200	2.81	11.6	0.7	4.9	2.9	21	0.1	0.5
ML10 300	2.95	13.2	0.6	4.8	2	32	0.3	0.5
ML10 400	2.62	10.8	0.6	2.6	1.1	23	0.2	0.5
RE ML10 4	2.74	11.3	0.6	3.3	1.1	24	0.1	0.5
ML10 500	3.35	20.4	1.2	26.4	2.3	43	0.2	0.8
ML10 600	3.16	14.3	0.9	9.4	0.6	41	0.2	0.8
ML10 700	2.74	13.4	2.7	3.3	0.7	39	0.3	0.7
ML10 800	3.55	19.5	1.3	15.6	1.8	50	0.2	1.1
ML10 900	2.18	8.6	0.5	2.9	2	18	0.3	0.5
ML10 1000	2.49	11.1	0.7	2.3	2	28	0.1	0.6
ML11 0	2.46	11.6	0.9	3.7	3	18	0.1	0.6
ML11 50	2.75	13.7	1	6.6	3.6	28	0.1	0.4
ML11 100	3.26	32.4	1.5	14.4	1.9	40	0.2	0.6
ML11 150	3.76	17.5	1.5	11.1	2.3	52	0.1	0.4
ML11 200	3.79	22.3	1.4	7.2	2.2	53	<.1	0.4
ML11 250	3.83	18.1	1.3	7.6	2.4	47	0.1	0.3
ML11 300	3.29	11.4	0.7	2.6	3	25	0.2	0.5
ML11 350	3.16	21.6	0.7	7.4	2.8	60	0.1	0.4
ML11 400	3.17	24.1	1.2	5.9	1.4	29	0.2	0.4
ML11 450	2.96	12.2	0.7	5.6	2.1	46	0.1	0.4
STANDAR	3.03	17.8	7	39.9	2.9	47	5.4	4
ML11 500	2.58	7.6	0.5	6.1	2.1	25	0.1	0.4
ML11 550	2.29	10.3	0.6	7.1	3.5	26	0.2	0.5
ML11 600	1.86	6.3	0.5	5	2.9	15	0.2	0.4
ML11 650	3.59	14.9	1	4.2	1.3	21	0.2	0.5
ML11 700	2.93	8.3	0.7	7.9	1.5	18	0.2	0.5
ML11 750	2.28	8.7	0.9	2.5	0.8	31	0.2	0.5
ML11 800	2.8	8.2	0.6	16.6	2.6	21	0.1	0.5
ML11 850	3.13	11.9	1.3	6.2	1.5	28	0.3	0.4

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
ML9 150	0.3	74	0.25	0.044	9	57.8	0.7	116
ML9 200	0.3	62	0.31	0.061	11	66.6	1.05	143
ML9 250	0.3	66	0.21	0.047	9	74.1	0.87	181
ML9 300	0.2	72	0.18	0.055	9	77.4	0.78	144
ML9 350	0.2	58	0.2	0.034	9	87.5	0.78	149
ML9 400	0.4	71	0.27	0.041	9	80.2	0.9	110
ML9 450	0.5	72	0.25	0.047	10	63.4	0.8	107
STANDAR	6	62	0.76	0.086	12	190.3	0.66	140
G-1	0.1	44	0.53	0.076	7	13.1	0.54	245
ML9 500	0.2	61	0.19	0.028	10	53	0.56	119
ML9 550	0.6	75	0.25	0.041	12	71.6	0.87	137
ML9 600	0.2	54	0.26	0.042	9	62.4	0.79	92
ML9 650	0.2	51	0.21	0.051	10	48.1	0.57	104
ML9 700	0.3	50	0.51	0.099	9	85.9	0.84	148
ML9 750	0.2	62	0.29	0.098	9	66.3	0.84	126
ML9 800	0.5	68	0.22	0.042	11	64.4	0.87	111
ML9 850	0.3	63	0.25	0.055	10	67.7	0.85	105
ML9 900	0.5	70	0.28	0.058	8	70.6	1	129
ML9 950	0.3	56	0.27	0.055	11	59.8	0.62	193
ML9 1000	0.2	51	0.22	0.047	9	42.6	0.56	96
ML10 0	0.1	60	1.64	0.083	12	45.8	0.72	178
ML10 100	0.1	74	0.57	0.078	13	46.2	0.93	176
ML10 200	0.1	67	0.45	0.076	14	48.8	0.84	117
ML10 300	0.2	82	0.38	0.059	11	50.8	0.98	204
ML10 400	0.1	65	0.23	0.047	11	38.8	0.64	145
RE ML10 4	0.1	67	0.22	0.05	11	40.6	0.69	148
ML10 500	0.2	96	0.46	0.038	12	53.1	1.16	221
ML10 600	0.2	84	0.36	0.081	12	50.8	0.89	217
ML10 700	0.2	69	0.48	0.076	15	54.6	0.81	173
ML10 800	0.2	92	0.48	0.052	13	57.9	1.17	245
ML10 900	0.1	48	0.29	0.045	10	40.8	0.55	93
ML10 100C	0.2	58	0.4	0.049	12	49.3	0.73	142
ML11 0	0.1	54	0.31	0.059	15	47.1	0.7	115
ML11 50	0.1	70	0.48	0.092	16	59.3	0.99	103
ML11 100	0.2	80	0.59	0.093	14	73.6	1.12	148
ML11 150	0.1	105	0.77	0.125	14	96.3	1.4	139
ML11 200	0.1	107	0.84	0.105	12	93.8	1.57	149
ML11 250	0.1	101	0.82	0.104	12	85	1.45	180
ML11 300	0.1	80	0.39	0.081	12	58.7	1.07	125
ML11 350	0.2	98	0.59	0.084	11	62	1.2	190
ML11 400	0.3	96	0.32	0.072	11	62.8	1.07	139
ML11 450	0.1	79	0.5	0.053	13	59.4	0.99	175
STANDAR	5.9	61	0.73	0.09	13	180.7	0.64	134
ML11 500	0.1	67	0.36	0.047	10	57.2	0.88	122
ML11 550	0.2	56	0.37	0.076	10	58.9	0.85	109
ML11 600	0.4	42	0.27	0.056	9	45.8	0.74	72
ML11 650	0.4	104	0.28	0.071	11	78.3	1.19	143
ML11 700	0.2	71	0.29	0.042	10	83.2	1.11	98
ML11 750	0.1	60	0.62	0.057	8	78.6	0.97	98
ML11 800	0.1	61	0.41	0.044	9	165.8	2.04	116
ML11 850	0.3	96	0.42	0.065	11	97.4	1.16	139

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
ML9 150	0.091	1	1.43	0.01	0.08	0.6	0.02	2.9
ML9 200	0.087	2	1.98	0.01	0.08	0.4	0.02	3.9
ML9 250	0.065	2	1.55	0.008	0.06	0.7	0.02	3
ML9 300	0.076	2	1.82	0.009	0.07	0.5	0.02	3.3
ML9 350	0.075	2	1.45	0.009	0.05	0.6	0.01	2.6
ML9 400	0.112	3	1.45	0.009	0.12	1.8	0.02	3.1
ML9 450	0.104	2	1.49	0.01	0.1	0.9	<.01	3.4
STANDAR	0.096	17	2.05	0.032	0.15	5	0.2	3.7
G-1	0.128	1	0.95	0.12	0.52	1.2	<.01	3.3
ML9 500	0.099	1	1.33	0.009	0.06	0.5	0.01	3
ML9 550	0.069	2	2	0.01	0.09	1	0.02	3.7
ML9 600	0.078	1	1.16	0.008	0.05	0.5	0.01	2.8
ML9 650	0.056	2	1.11	0.008	0.07	0.5	0.01	2.4
ML9 700	0.039	2	0.98	0.011	0.11	0.4	0.02	2.3
ML9 750	0.083	2	1.23	0.01	0.1	0.5	0.01	3.5
ML9 800	0.087	2	1.6	0.009	0.07	1.3	0.02	3.2
ML9 850	0.079	1	1.16	0.008	0.09	0.7	0.01	2.9
ML9 900	0.09	3	1.49	0.009	0.06	0.9	0.03	3.5
ML9 950	0.074	2	1.39	0.009	0.07	0.4	0.02	3.3
ML9 1000	0.084	1	1.05	0.008	0.08	0.4	0.01	2.4
ML10 0	0.047	2	1.5	0.014	0.08	0.3	0.04	3.7
ML10 100	0.081	<1	1.58	0.026	0.15	0.3	0.01	4.5
ML10 200	0.066	<1	1.63	0.01	0.09	0.2	0.01	3.6
ML10 300	0.106	1	2.13	0.023	0.28	0.4	0.02	5
ML10 400	0.069	1	1.62	0.011	0.2	0.3	0.01	2.6
RE ML10 4	0.065	2	1.78	0.011	0.19	0.4	0.01	2.6
ML10 500	0.117	1	2.69	0.042	0.23	0.4	0.01	5.3
ML10 600	0.074	<1	2.51	0.019	0.37	0.3	0.02	3.1
ML10 700	0.066	1	1.84	0.02	0.26	0.4	0.02	3.2
ML10 800	0.123	<1	2.65	0.037	0.39	0.5	0.02	5.5
ML10 900	0.065	1	0.99	0.01	0.11	0.3	0.01	2.6
ML10 100C	0.086	1	1.53	0.013	0.19	0.2	0.02	3.2
ML11 0	0.055	1	1.45	0.01	0.04	0.3	0.01	4.5
ML11 50	0.071	1	1.55	0.012	0.08	0.3	0.02	5
ML11 100	0.067	1	2.12	0.019	0.08	0.3	0.04	5.9
ML11 150	0.095	1	2.4	0.018	0.1	0.3	0.03	6.2
ML11 200	0.102	1	2.33	0.022	0.1	0.3	0.02	6.2
ML11 250	0.104	<1	2.41	0.02	0.13	0.2	0.03	6.2
ML11 300	0.082	<1	1.85	0.015	0.12	0.4	0.01	5.7
ML11 350	0.143	<1	2.76	0.104	0.28	0.6	0.02	5
ML11 400	0.094	1	2.61	0.024	0.12	0.3	0.03	4.9
ML11 450	0.104	1	2.04	0.044	0.11	0.4	0.02	5.6
STANDAR	0.096	17	2.12	0.033	0.14	5	0.18	3.7
ML11 500	0.1	1	1.42	0.016	0.07	0.2	0.01	3.6
ML11 550	0.092	1	1.49	0.019	0.13	0.7	0.01	3
ML11 600	0.07	1	0.89	0.01	0.07	0.6	0.01	2.2
ML11 650	0.105	<1	2.55	0.02	0.1	0.4	0.03	4.5
ML11 700	0.111	2	1.72	0.012	0.1	0.3	0.02	3.1
ML11 750	0.083	1	1.28	0.018	0.11	0.3	0.01	2.5
ML11 800	0.102	4	1.31	0.02	0.13	0.3	0.01	3.8
ML11 850	0.135	<1	2.21	0.02	0.19	0.4	0.02	3.9

ELEMENT TI	S	Ga	Se	
ML9 150	0.1	<.05	7	<.5
ML9 200	0.1	<.05	6	0.5
ML9 250	0.1	<.05	6	<.5
ML9 300	0.1	<.05	6	<.5
ML9 350	0.1	<.05	5	<.5
ML9 400	0.1	<.05	5	<.5
ML9 450	0.1	<.05	5	<.5
STANDAR	1.1	<.05	6	4.9
G-1	0.3	<.05	5	<.5
ML9 500	0.1	<.05	5	<.5
ML9 550	0.1	<.05	6	0.6
ML9 600	0.1	<.05	4	<.5
ML9 650	0.1	<.05	4	<.5
ML9 700	0.1	<.05	3	0.5
ML9 750	0.1	<.05	4	<.5
ML9 800	0.1	<.05	5	0.5
ML9 850	0.1	<.05	4	<.5
ML9 900	0.1	<.05	4	<.5
ML9 950	0.1	<.05	4	<.5
ML9 1000	0.1	<.05	5	<.5
ML10 0	0.1	0.09	5	0.6
ML10 100	0.1	<.05	5	<.5
ML10 200	0.1	<.05	5	<.5
ML10 300	0.1	<.05	7	<.5
ML10 400	0.1	<.05	6	<.5
RE ML10 4	0.1	<.05	6	<.5
ML10 500	0.2	<.05	7	0.7
ML10 600	0.2	<.05	8	0.6
ML10 700	0.1	<.05	6	0.5
ML10 800	0.2	<.05	9	<.5
ML10 900	0.1	<.05	4	<.5
ML10 100C	0.1	<.05	5	<.5
ML11 0	0.1	<.05	4	<.5
ML11 50	0.1	<.05	5	<.5
ML11 100	0.1	<.05	6	0.6
ML11 150	0.2	<.05	7	0.5
ML11 200	0.1	<.05	7	0.5
ML11 250	0.2	<.05	7	<.5
ML11 300	0.1	<.05	6	<.5
ML11 350	0.2	<.05	8	0.5
ML11 400	0.1	0.06	9	<.5
ML11 450	0.1	<.05	6	0.6
STANDAR	1.1	<.05	6	5.1
ML11 500	0.1	0.07	7	<.5
ML11 550	0.1	0.07	5	<.5
ML11 600	0.1	<.05	3	<.5
ML11 650	0.1	0.06	9	0.5
ML11 700	0.1	<.05	6	<.5
ML11 750	0.1	<.05	5	<.5
ML11 800	0.1	<.05	4	<.5
ML11 850	0.1	<.05	8	<.5

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
ML11	900	0.7	43.8	7.2	61	0.1	56.2	17.5	638
ML11	950	0.8	39.2	8.3	60	0.1	44.7	13.7	405
ML11	100C	0.7	51.6	7.9	70	0.1	52.3	17.7	624
ML11	105C	0.5	41.1	7.9	57	0.1	26.7	13.7	556
ML12	0	1.1	36.2	23.6	68	0.1	28.4	16.9	789
ML12	50	1	14.4	7.7	47	0.1	12.9	5.9	254
ML12	100	0.8	36	8.6	61	<.1	24	16.1	743
ML12	150	0.8	47.1	7.7	65	0.1	23.4	12.7	554
ML12	200	1.3	60.7	12.8	61	0.2	21.6	14.8	820
ML12	250	0.6	58.4	8.6	54	0.1	23.6	10.9	375
ML12	300	0.7	50.4	9.5	58	0.1	33.4	13.7	464
ML12	350	0.9	99.1	11.1	78	0.2	46.4	19.1	636
RE ML12	3	0.9	89.7	10.8	73	0.2	42.5	18.8	610
ML12	400	1.2	62.8	9	70	0.1	32.5	16.5	632
ML12	450	1.1	91.1	9.6	80	0.2	40.7	16.2	571
ML12	500	1.1	29.3	8.3	71	0.1	18.4	12.8	506
ML12	550	1.2	45.3	10.9	69	0.1	26.7	16	662
ML12	600	0.7	37.7	8.2	56	0.2	20.1	9.8	408
ML12	650	1	39.8	8.6	60	0.1	25.9	14.3	725
ML12	700	1.1	46.6	12.7	62	0.1	20.6	10.2	300
ML12	750	1.1	20	9.3	35	0.1	9.6	5.6	312
ML12	800	2	76.1	27.5	86	0.2	22.3	25.2	1110
ML12	850	0.9	54	14.8	66	0.2	27.2	11.7	547
ML12	900	0.8	62.4	18.5	68	0.1	33.3	17.1	585
ML12	950	0.6	72.1	9.5	67	0.2	51.6	18.9	624
STANDAR		13.1	146.2	24.2	132	0.3	24.9	12.6	806
G-1		1.8	2.9	2.2	41	<.1	3.7	3.7	476
RL1	0	5.2	33.8	17	114	0.4	39.5	15.6	240
RL1	050	4	36.3	16.2	109	0.4	40.8	15.4	310
RL1	100	12.3	31.1	15.3	113	0.6	39.6	12.7	158
RL1	150	9	55.1	17.6	92	0.9	43.6	13.8	571
RL1	200	14.1	56.7	21.5	147	0.6	44.2	15.3	293
RL1	250	12.2	86.1	21.9	165	0.4	47.6	22.5	845
RL1	300	11.9	108.8	20.3	129	0.2	46.9	17.1	574
RL1	350	8.9	91.3	18.1	116	0.4	50.7	14.5	545
RL1	400	9.1	44.6	20.8	187	1.2	53.1	15.4	266
RL1	450	11.4	54.7	21.1	234	1.7	65.5	18.2	308
RL1	500	13.7	76.3	18	209	1.8	69.1	17.7	278
RL1	550	8.5	47	18.3	207	2	61.7	15.3	248
RL1	600	3.2	48.3	27.3	121	0.4	30	9.8	331
RL1	650	3.1	35.5	16.7	121	1.3	41.8	11.1	319
RE RL1	65	2.8	34.6	16.8	117	1.3	40.8	10.9	301
RL1	700	7.6	50.2	19.5	170	1.1	52.5	16.1	343
RL1	800	5.9	52	22.2	229	2.1	60	14	228
RL1	850	5.8	57.1	24.8	257	2.2	74.3	14.9	235
RL1	900	5.2	47.7	20.9	210	1.6	55	11.3	267
RL1	950	8.9	56	27.3	183	0.5	65.9	15.4	257
RL1	1000	14.4	142.2	37.5	157	0.6	65.2	22.8	684
RL1	1050	13.5	99.1	345.1	487	2.9	77.1	32.2	607
RL1	1100	17.4	232.9	44.7	90	0.7	62.4	24.4	353
RL1	1150	10.5	244.9	43.8	103	0.7	70.4	23.8	432

ELEMENT Fe	As	U	Au	Th	Sr	Cd	Sb	
ML11 900	2.79	8.8	0.9	3.5	1.2	31	0.1	0.4
ML11 950	2.85	15.3	0.8	5.8	2	24	0.2	0.5
ML11 1000	3.11	13.5	0.9	8	2	31	0.3	0.4
ML11 1050	2.69	11	0.7	4.4	2.6	47	0.1	0.3
ML12 0	3.35	17.9	0.6	5.1	1.4	30	0.2	0.5
ML12 50	2.35	9.4	0.3	2.3	1.5	8	0.3	0.6
ML12 100	3.07	11.5	0.6	2.5	2.5	14	0.2	0.6
ML12 150	2.88	13.2	1	3.8	0.6	31	0.2	0.6
ML12 200	2.5	12.5	1.7	3.2	1.1	26	0.4	0.6
ML12 250	2.56	10.6	4	4.1	2.2	23	0.1	0.4
ML12 300	2.73	9.4	1.2	23.2	3.5	22	0.1	0.5
ML12 350	3.23	12.5	1.3	6.6	3	30	0.1	0.7
RE ML12 3	3.19	11.7	1.2	5.9	2.8	29	0.2	0.7
ML12 400	3.87	11.5	0.9	2.4	2	19	0.2	0.6
ML12 450	3.38	15.1	1	6.2	1.5	37	0.2	0.7
ML12 500	2.79	10.9	0.5	5.4	1.7	11	0.3	0.5
ML12 550	2.94	11.5	0.9	2.5	0.7	30	0.1	0.6
ML12 600	2.32	8.7	1.2	8.7	0.6	22	0.2	0.4
ML12 650	2.93	9.1	0.6	2.7	1.4	14	0.2	0.6
ML12 700	2.59	12.7	0.5	15	0.8	14	0.3	0.4
ML12 750	2.24	8.8	0.4	9	1.5	9	0.1	0.4
ML12 800	3.75	59.8	0.6	7.4	0.4	21	0.3	0.9
ML12 850	2.37	17.7	1	4.3	0.6	30	0.1	0.6
ML12 900	3.35	16	0.7	3.6	2.2	32	0.1	0.6
ML12 950	3.06	12.3	0.8	8.4	2.6	41	0.2	0.6
STANDAR	3.05	19	6.5	44	2.9	48	5.6	4.1
G-1	1.87	<.5	1.9	<.5	4.7	85	<.1	<.1
RL1 0	3.41	13.2	1	0.5	5.1	62	0.4	1.7
RL1 050	3.03	10.1	0.8	1.2	6.1	68	0.5	1.1
RL1 100	2.9	13.7	1.6	0.7	2.2	75	0.8	1.6
RL1 150	2.87	16.1	2.1	3.5	1.8	85	0.7	1.2
RL1 200	3.66	21.4	2.5	3.6	6.3	49	0.6	1.3
RL1 250	3.67	18.8	3	2.8	6.5	43	1.4	1.3
RL1 300	3.19	18.7	2.4	3.6	5	51	0.4	1.5
RL1 350	3.18	21.7	1.4	2.4	6.8	112	0.5	1.6
RL1 400	3.07	17.4	1.4	1.9	7	76	1.6	2.2
RL1 450	3.2	12.6	1.7	1.2	9.7	107	2.4	1.8
RL1 500	3.05	23.5	2.1	6.3	7.1	102	1.9	4.9
RL1 550	3.41	17.9	1.9	2	8.2	114	2.1	3.8
RL1 600	2.56	50.4	1.1	5.4	3.4	43	1	2.2
RL1 650	2.46	19.9	1.3	3.2	1.8	96	1.1	2.8
RE RL1 65	2.45	19.9	1.3	3.2	1.8	100	1.1	2.8
RL1 700	3.11	23.2	1.4	3	7.2	81	1.2	2.9
RL1 800	3.16	23.5	1.6	3.7	7.2	91	2.8	12.6
RL1 850	3.71	78.9	1.8	5	6.9	107	2.8	9.3
RL1 900	2.79	17	2	3.1	10.6	131	2.4	4.1
RL1 950	4.21	72.5	2	2	9.5	127	1.3	10
RL1 1000	5.38	898.5	2.2	10.8	7.4	96	1.2	5.6
RL1 1050	8.41	725.9	2.7	1.9	6.6	111	6.5	19.3
RL1 1100	6.25	1177.6	1.7	8.7	6.1	114	0.9	3.8
RL1 1150	5.54	241.4	2.3	5.9	7.9	66	0.8	4.1

ELEMENT Bi	V	Ca	P	La	Cr	Mg	Ba	
ML11 900	0.4	74	0.45	0.06	9	94.6	1.06	171
ML11 950	0.3	79	0.28	0.058	9	84.6	0.89	112
ML11 100C	0.3	91	0.43	0.071	10	91.6	1.07	161
ML11 105C	0.1	68	0.57	0.105	10	62.3	1.07	91
ML12 0	0.2	98	0.48	0.062	9	74.5	1.14	139
ML12 50	0.2	76	0.1	0.039	7	36.7	0.3	58
ML12 100	0.1	73	0.19	0.059	13	57.7	0.81	101
ML12 150	0.1	69	0.55	0.064	12	54.7	0.71	94
ML12 200	0.2	60	0.36	0.097	13	44.4	0.58	130
ML12 250	0.2	56	0.33	0.099	22	43.5	0.6	195
ML12 300	0.1	62	0.36	0.087	14	51.8	0.83	132
ML12 350	0.2	76	0.5	0.084	15	72.4	1.19	150
RE ML12 3	0.2	79	0.49	0.08	15	71.5	1.18	142
ML12 400	0.2	87	0.23	0.051	11	74.7	1.04	153
ML12 450	0.2	74	0.58	0.098	14	71.7	1.05	166
ML12 500	0.1	69	0.15	0.049	10	45.6	0.62	58
ML12 550	0.2	68	0.5	0.081	9	53.5	0.81	173
ML12 600	0.2	51	0.29	0.108	12	44.2	0.62	147
ML12 650	0.2	68	0.24	0.058	10	48.2	0.68	93
ML12 700	0.2	59	0.24	0.063	10	33.9	0.51	58
ML12 750	0.2	70	0.11	0.035	7	26.9	0.28	48
ML12 800	0.4	55	0.33	0.128	8	38.3	0.99	71
ML12 850	0.2	55	0.42	0.1	11	48	0.67	163
ML12 900	0.3	73	0.49	0.121	12	67	1.12	111
ML12 950	0.1	72	0.76	0.097	13	77.1	1.26	151
STANDAR	6.5	59	0.78	0.094	12	195.3	0.71	139
G-1	0.1	38	0.55	0.086	7	14.3	0.51	185
RL1 0	0.3	14	1.57	0.173	17	8.8	0.23	374
RL1 050	0.3	12	2.41	0.216	18	9.7	0.35	269
RL1 100	0.3	16	2.07	0.158	9	8.3	0.3	321
RL1 150	0.4	15	1.94	0.098	13	7.9	0.17	364
RL1 200	0.4	19	0.63	0.129	27	8.3	0.1	421
RL1 250	0.4	19	0.21	0.09	25	10.3	0.16	714
RL1 300	0.5	18	0.29	0.044	20	8.8	0.12	931
RL1 350	0.4	16	1.04	0.186	27	8.7	0.21	865
RL1 400	0.3	18	1.91	0.312	24	10.7	0.46	261
RL1 450	0.3	19	3.78	0.422	25	12.8	1.01	247
RL1 500	0.4	21	2.5	0.422	23	11.8	0.5	341
RL1 550	0.3	22	3.74	0.537	22	17.4	0.54	246
RL1 600	0.9	29	0.86	0.09	13	16.8	0.34	340
RL1 650	0.2	13	3.09	0.263	14	12.2	0.36	260
RE RL1 65	0.2	13	2.95	0.254	16	12.7	0.36	285
RL1 700	0.4	18	1.99	0.318	24	13	0.34	363
RL1 800	0.3	21	2.83	0.414	21	18.1	0.53	312
RL1 850	0.3	20	3.74	0.405	14	19.8	0.57	302
RL1 900	0.2	27	3.07	0.4	13	30.4	0.37	189
RL1 950	1.2	28	2.66	0.246	16	26.1	0.45	636
RL1 1000	6.2	21	1.2	0.115	19	11.2	0.24	795
RL1 1050	4.3	23	2.33	0.264	12	13.9	0.44	75
RL1 1100	9.1	26	3.52	0.095	14	12.3	0.33	701
RL1 1150	6	30	1.31	0.14	30	22.6	0.45	660

ELEMENT Ti	B	Al	Na	K	W	Hg	Sc	
ML11 900	0.093	1	1.67	0.016	0.13	0.5	0.02	3.8
ML11 950	0.104	<1	1.57	0.018	0.1	0.7	0.02	3.5
ML11 100C	0.119	1	1.89	0.028	0.18	0.4	0.02	3.8
ML11 105C	0.073	<1	1.41	0.017	0.16	0.2	0.01	4
ML12 0	0.084	<1	1.88	0.012	0.09	0.1	0.02	7.3
ML12 50	0.102	1	0.81	0.007	0.05	0.3	0.02	2.1
ML12 100	0.069	1	1.45	0.009	0.07	0.3	0.02	4.4
ML12 150	0.035	<1	1.35	0.01	0.06	0.2	0.02	2.9
ML12 200	0.041	1	1.48	0.011	0.07	0.3	0.05	3.7
ML12 250	0.021	1	1.53	0.009	0.05	0.4	0.03	3
ML12 300	0.047	1	1.45	0.011	0.06	0.3	0.01	4.4
ML12 350	0.059	1	2.02	0.014	0.09	0.3	0.03	6
RE ML12 3	0.058	<1	1.97	0.014	0.09	0.3	0.04	5.8
ML12 400	0.049	<1	2.35	0.01	0.07	0.2	0.03	5.5
ML12 450	0.04	<1	1.97	0.012	0.07	0.2	0.04	6.1
ML12 500	0.055	1	1.23	0.007	0.05	0.3	0.02	3
ML12 550	0.025	1	1.58	0.01	0.06	0.2	0.02	2.8
ML12 600	0.019	1	1.46	0.009	0.05	0.2	0.04	2.2
ML12 650	0.046	1	1.39	0.009	0.05	0.2	0.02	3.2
ML12 700	0.052	1	1.22	0.007	0.05	0.3	0.03	1.8
ML12 750	0.064	<1	0.75	0.009	0.03	0.4	0.01	1.7
ML12 800	0.025	1	1.54	0.008	0.05	0.3	0.04	2.1
ML12 850	0.022	1	1.48	0.012	0.05	0.2	0.04	2.8
ML12 900	0.025	1	1.66	0.01	0.06	0.1	0.03	4.5
ML12 950	0.067	<1	1.55	0.016	0.06	0.2	0.04	6.6
STANDAR	0.095	20	2.07	0.034	0.15	4.8	0.19	3.5
G-1	0.104	1	0.86	0.092	0.42	1.6	<.01	2.8
RL1 0	0.001	<1	0.29	0.004	0.06	0.1	0.34	3.8
RL1 050	0.001	<1	0.29	0.005	0.06	<.1	0.35	3.3
RL1 100	0.001	1	0.21	0.004	0.05	<.1	0.45	2.6
RL1 150	0.001	1	0.33	0.003	0.05	<.1	0.57	2.9
RL1 200	0.001	<1	0.4	0.003	0.06	<.1	0.59	3.6
RL1 250	0.001	<1	0.5	0.004	0.05	<.1	0.59	3.6
RL1 300	0.001	1	0.38	0.003	0.05	<.1	0.62	3.1
RL1 350	0.001	1	0.41	0.004	0.07	<.1	0.27	3.7
RL1 400	0.001	<1	0.31	0.005	0.07	<.1	0.31	3.9
RL1 450	0.002	1	0.38	0.009	0.11	<.1	0.33	4.1
RL1 500	0.002	3	0.38	0.006	0.09	<.1	0.52	3.9
RL1 550	0.002	2	0.46	0.008	0.12	<.1	0.27	3.6
RL1 600	0.005	2	0.88	0.007	0.08	0.1	0.27	2.9
RL1 650	0.001	3	0.41	0.005	0.06	0.1	0.17	2.3
RE RL1 65	0.001	3	0.44	0.005	0.07	<.1	0.15	2.3
RL1 700	0.002	1	0.52	0.006	0.09	<.1	0.23	2.8
RL1 800	0.002	2	0.48	0.005	0.09	<.1	0.27	2.7
RL1 850	0.001	2	0.31	0.004	0.09	<.1	0.33	2.7
RL1 900	0.001	1	0.37	0.003	0.11	<.1	0.7	2.7
RL1 950	0.002	3	0.45	0.007	0.13	<.1	0.64	3.2
RL1 1000	0.001	1	0.4	0.009	0.08	<.1	0.48	3
RL1 1050	0.002	3	0.39	0.004	0.11	0.1	0.69	3.6
RL1 1100	0.001	3	0.33	0.006	0.09	<.1	1.66	3.8
RL1 1150	0.003	3	0.88	0.01	0.14	0.3	0.43	3.8

APPENDIX C

PROJECT PERSONNEL

CARTER RIDGE

APPENDIX C

PROJECT PERSONNEL

Personnel	Address	Task
Ron Berdahl	Whitehorse, Yukon	Supervision/Samples
Andrew Berdahl	Whitehorse, Yukon	Samples
Scott Berdahl	Whitehorse, Yukon	Samples
Ellen Granland		Samples

APPENDIX D

STATEMENT OF COSTS

CARTER RIDGE

APPENDIX D

STATEMENT OF COSTS

Dates of Field Work: June 15 – 18 and July 14, 2004 (5 days)

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

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

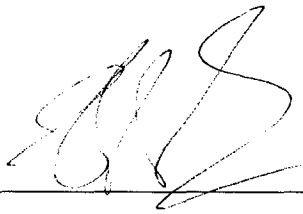
CARTER RIDGE

STATEMENT OF QUALIFICATIONS

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

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

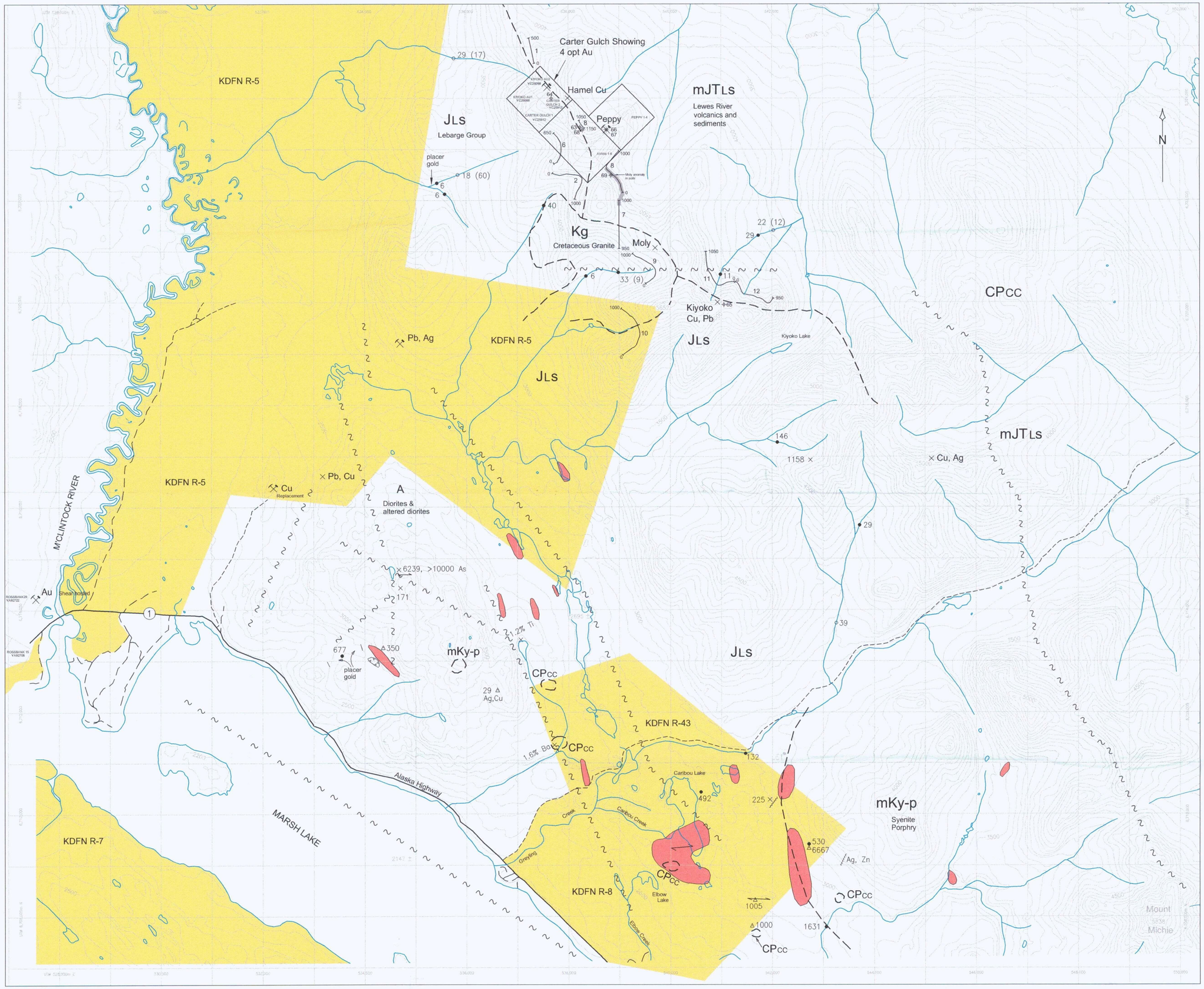
The data contained herein is true and correct to the best of my knowledge.



Ron S. Berdahl

Jan 15, 05

Date



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 contact (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 0 — 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 100 feet

0 1000 2000 3000
METRES

MARSH LAKE NORTH

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

Ron Berdahl

SCALE: 1 : 35,000	NAD 27, ZONE 8	DATE: January 19, 2005
N.T.S.: 105 D/9	DRAFTING:	FIGURE

includes 1 loose map