BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2000/2001
REPORT #:	PAP 00-27
NAME:	BRIAN MALAHOFF

PROSPECTING REPORT

ON THE

MALACHITE PROPERTY

Reference No. 2000/2001 P116
(MALACHITE: 1- 4)

Kamloops Mining Division
British Columbia
Canada

LAT. 50° 20' 22" N
LONG. 120° 54' 50" W

NTS: 92I -07W

FOR

PROSPECTORS ASSISTANCE PROGRAM

Energy and Minerals Division
Geological Survey Branch
PO Box 9320 Stn Pro Govt
Victoria BC, V8W 9N3
Canada

BY

Brian T. Malahoff, P. Geo. (BC)

November 1, 2000

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name Brian Malahoff Reference Number 2000/2001 #116

LOCATION/COMMODITIES

Project Area (as listed in Part A) Malachite(1-4), Highland Valley MINFILE No. if applicable 092ISE020

Location of Project Area NTS 92I-07W Lat 50° 20' 22" N Long 120° 54' 50" W

Description of Location and Access See prospecting report.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6).
Curt Kauss - BA. Geography 15 years geological technician.

Main Commodities Searched For Copper

Known Mineral Occurrences in Project Area Sho showing

WORK PERFORMED

1. Conventional Prospecting (area) 1 X 0.85 Km or 85 hectares
2. Geological Mapping (hectares/scale) 85 hectares / 1:1000
3. Geochemical (type and no. of samples) Soil samples, 372
4. Geophysical (type and line km)
5. Physical Work (type and amount) Grid establishment | 1x1 kilometre - 50m spacing / 100 hectares
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

Best Discovery

Project/Claim Name Malachite 1-4 Commodities Copper

Location (show on map) Lat. 50° 20' Long 120° 55' Elevation 4400' or 1341m

Best assay/sample type Soil sample - 907 ppm

Description of mineralization, host rocks, anomalies See prospecting report.

Host Rock: Chataway granodiorite
Mineralization: weak malachite
Anomalies: See Figure 3 in prospecting report.

FEEDBACK: comments and suggestions for Prospector Assistance Program

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- **Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.**

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

Name Brian Malahoff Reference Number 2000/2001 P116

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

See prospecting report – enclosed for the following

2. PROGRAM OBJECTIVE [Include original exploration target.]

To explore for a large tonnage porphyry copper deposit in the vicinity of a known copper showing (Sho).

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

See prospecting report

TABLE OF CONTENTS

	PAGE
LOCATION	1
COMMODITIES	1
WORKED PERFORMED	1
GEOCHEMICAL RESULTS	2
GEOLOGICAL RESULTS	2,3
CONCLUSIONS	3

LIST OF FIGURES, TABLES AND APPENDICES

Figures

Figure 1	Property Location Map	After Page 1
Figure 2	Property Claim Map	After Page 1
Figure 3	Property Soil Contours Cu	After Page 2
Figure 4	Property Geology Map (1:1000)	Pocket

Tables

Table 1	Property Data	Page 1

Appendices

Appendix A Geochemical Results – soil assays

Appendix B Receipts over $ 100.00

LOCATION

The Malachite 2-post mineral claims are located in the Highland Valley on NTS map sheet 092I-07W and are within the Kamloops Mining Division.

The Malachite claims are located approximately 35 kilometres northwest of Merritt, British Columbia and 12 kilometres southeast of the former Highmont Mine. The center of the property is located at 50° 20' north latitude and 120° 54' west longitude (Figure 2).

Access to the property is by paved road northwest from Merritt along Highway # 8 for approximately 8.5 kilometres then north 7.0 kilometres from Lower Nicola to the old Craigmont Mine and then approximately 20 kilometres of well maintained gravel roads to the claims (Figure 1).

TABLE 1

PROPERTY DATA:

CLAIM NAME	TENURE NUMBER	UNITS	EXPIRY DATE	HECTARES	MAP NUMBER	OWNER
Malachite#1	375399	1	April 4, 2001	25	92I/07W	100%: Brian Malahoff
Malachite#2	375400	1	April 4, 2001	25	92I/07W	100%: Brian Malahoff
Malachite#3	375401	1	April 4, 2001	25	92I/07W	100%: Brian Malahoff
Malachite#4	375402	1	April 4, 2001	25	92I/07W	100%: Brian Malahoff

COMMODITIES

The Malachite claims are approximately centered on the Sho showing (Minfile # 092ISE020). The mineralization present at the Sho showing consists mainly of malachite with trace bornite (Figure 4). Drilling in the early 1970's indicated the presence of chalcocite in drill core. The main commodity search for in this project area was copper.

WORKED PERFORMED

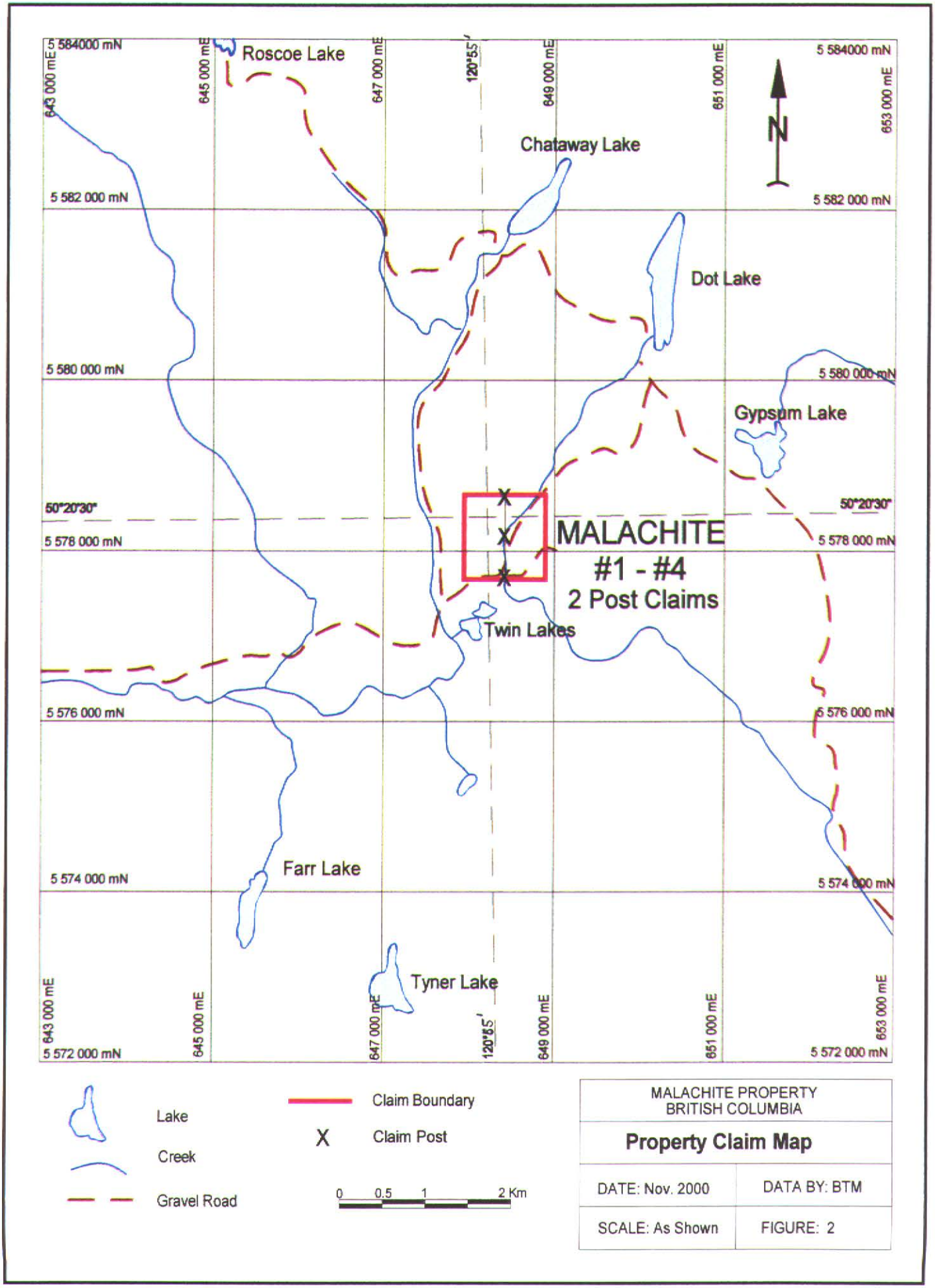
A program of geological and geochemical surveying was carried out on the Malachite mineral claims between June 25, 2000 and September 19, 2000.

Physical Work consisted of grid establishment. A grid 1 x 1 kilometre was established with line spacing of 50 metres and stations every 50 metres. The north-south baseline was chained in with measuring tape and slope corrected for accuracy. The east-west lines were chained in with a hipchain and slope corrected.

A geochemical soil survey was carried out on 1 x 0.85 kilometre area with a total of 372 soil samples collected (Figure 3).

Geological mapping was carried out on 1 x 0.85 kilometre area at a scale of 1: 1000 (Figure 4).


YUKON TERRITORY
NORTHWEST TERRITORY
BRITISH COLUMBIA
ALBERTA
U.S.A.
PACIFIC OCEAN
Cassiar
Stewart
Smithers
Prince Rupert
Fort St. John
Prince George
Queen Charlotte Islands
Revelstoke
Highland Valley Mine
Kamloops
Malachite Property
Merritt
Penticton
Vancouver Island
VANCOUVER
VICTORIA
U. S. A.
0 40 200 400 km
138 134 130 126 122 118 114
59 57 55 53 51 49
Legend:
International Boundary
Provincial Boundary
VICTORIA Major City
Kamloops Other City, Town
River
Lake
Project Location
Operating Mine
MALACHITE PROPERTY
BRITISH COLUMBIA
Property Location Map
DATE: Nov. 2000
DATA BY: BTM
SCALE: As Shown
FIGURE: 1


5 584000 mN
643 000 mE
645 000 mE
647 000 mE
120°55'
649 000 mE
651 000 mE
653 000 mE
N
Roscoe Lake
Chataway Lake
Dot Lake
Gypsum Lake
5 582 000 mN
5 580 000 mN
50°20'30"
5 578 000 mN
MALACHITE
#1 - #4
2 Post Claims
Twin Lakes
5 576 000 mN
Farr Lake
5 574 000 mN
Tyner Lake
5 572 000 mN
Lake
Creek
Gravel Road
Claim Boundary
X
Claim Post
0 0.5 1 2 Km
MALACHITE PROPERTY
BRITISH COLUMBIA
Property Claim Map
DATE: Nov. 2000
DATA BY: BTM
SCALE: As Shown
FIGURE: 2

GEOCHEMICAL RESULTS

A total of 372 soil samples were collected over the Malachite Property soil grid (Figure 3). The soil survey covered a 1 x 0.65 kilometre area.

Soil samples were obtained where possible from the B-horizon that is well developed in the till. Only five samples were obtained from the A-horizon and one sample was a talus fine. The assay results were statistically analyzed to obtain a histogram that was used to obtain the 10th (dark purple), 25th (blue), 50th (green), 70th (yellow), 80th (orange), 90th (red), 95th (magenta) percentile for copper. A contour map was created based on the percentiles using a software program called Surfer (Figure 3).

The geochemical survey outlined 10 areas of moderately anomalous copper (148 ppm to 907 ppm . The main moderate copper anomaly, consisting of 8 anomalous areas, begins at L 0+00N, 1+75E and trends northerly. At L 7+00N, 2+50E the main moderate copper anomaly trends northeasterly ending at L 8+50N, 4+00E (Figure 3). The main moderate copper anomaly is open to the north and to the south of the soil grid. Other moderate copper anomalies, for example, L 5+00N, 1+50W, and L 5+00N, 5+00E appear to be isolated anomalies with limited extent (Figure 3).

GEOLOGICAL RESULTS

The Malachite property lies at the margin of the late Upper Triassic Guichon Creek batholith. The Guichon Creek batholith, located in the Intermontane Belt, consists of multiple phases of intrusive rock. The youngest phase (Bethsaida) resides at the core of the batholith and the oldest phase (Border) lies at the edge. The Malachite property is within the Chataway phase, a subgroup of the Highland Valley phase that lies next to the oldest Border phase.

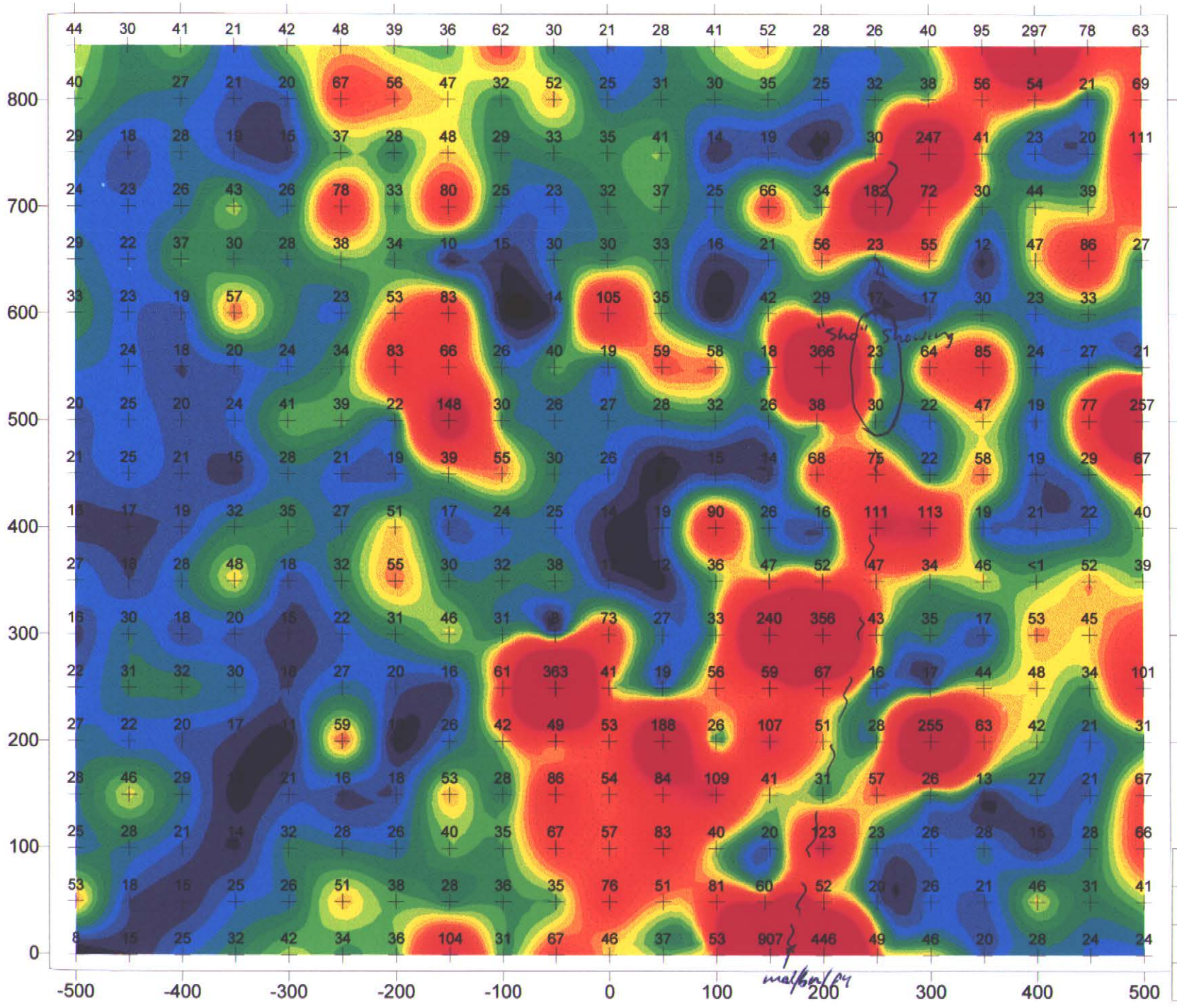
Numerous northerly trending dykes, emplaced after the Bethlehem phase, cut Bethlehem and older intrusive rock. These dyke swarms are related to the first major period of ore formation that produced most of the smaller porphyry deposits in the Highland Valley. A second more significant period of ore formation occurred with the emplacement of northerly and northwesterly dyke swarms composed of Bethsaida phase intrusive. During and after this second ore formation period many of the larger porphyry deposits in the Highland Valley were formed. Most of the larger porphyry deposits in the Highland Valley are within the Bethsaida phase or near the Bethsaida phase contact.

The Guichon Creek batholith has major northerly and northwesterly striking faults that are all related to sulphide mineralization.

The Malachite property is underlain by granodiorite of the Chataway phase. The Chataway granodiorite is mainly coarse grained and is generally fresh, unaltered. The main mafic mineral is hornblende and biotite. A narrow east-west trending, fine grained, dioritic dyke cuts the Chataway phase intrusive at the Sho showing (Figure 4). The 0.4 metre wide dyke is unmineralized and unaltered. Intrusive rocks of the Bethlehem phase (younger phase of the intrusion) were mapped in this area (Mcmillan, 1985) but were not recognized and/or observed by the author. Recognition of the younger Bethlehem phase, if present, is by thin section and petrologic analysis since the mineral composition of the Chataway and Bethlehem phase is similar. One outcrop located near grid station L 1+50N, 1+75E appeared to be slightly more felsic and dyke-like but poor outcrop exposure and subtle differences in mafic compositions are hard to distinguish in the field.

A main northerly striking fault was inferred from alteration, mineralization and evidence of slickensides but no measurement could be made due to poor outcrop exposure. Secondary faulting is common on the Malachite property. One such secondary fault was measured at the Sho showing and strikes northwesterly. The fault is vertical and the slickensides plunge shallowly to the southeast. Another secondary fault near grid station L 0+50N, 3+50E strikes northeasterly but is not associated with copper mineralization. The fault dips steeply to the northwest.

Sulphide mineralization was observed in outcrop close to the inferred main fault and near the intersection of the inferred main fault and a secondary fault at the Sho showing. Copper mineralization consists of strong malachite and trace bornite at the Sho showing. Mineralization occurs as disseminations and along


N
"Shd" Showing
0m
100m
200m
Cu (ppm)
Malachite Claims 1-4
MALACHITE PROPERTY
BRITISH COLUMBIA
Property Soil Contours Cu
DATE: Nov. 2000
DATA BY: BTM
SCALE: As Shown
FIGURE: 3

fractures in Chataway granodiorite. All along the inferred main fault weak malachite mineralization can be seen in outcrop and float (Figure 4). Trace pyrite, malachite and bornite were seen in float at the south end of the grid near the inferred fault. The strongest copper mineralization was seen at the Sho showing where the main inferred fault intersects a measured secondary fault.

Alteration is strongest next to faults where coarse flaky muscovite alteration is common. Other alteration minerals that occur near faults, are specular hematite, red hematite, chlorite, and epidote. A moderate carbonate alteration occurs in most altered and mineralized intrusive rocks. Some argillic alteration of feldspar crystals was seen adjacent to faults. A weak zone of propylitic alteration consisting of weak epidote, chlorite and red hematite is developed within close proximity to faults but is generally not significant.

CONCLUSIONS

The geochemical survey outlined ten zones of moderately anomalous copper from 148 ppm to 307 ppm (Figure 3). The main moderate copper anomaly, consisting of eight contoured zones, trends in a northerly direction then at L 7+00N, 2+50E the copper anomaly trends northeasterly. Two other moderate copper anomalies at L 5+00N, 1+50W and L 5+00N, 5+00E appear to be of limited extent. The main moderate copper anomaly is open to the north and south.

Geological mapping has outlined a main inferred fault that trends in a northerly and northeasterly direction (Figure 4).The main northerly and northeasterly trending copper anomaly was found to correspond to this main inferred fault. A secondary measured fault intersects the main inferred fault at the Sho showing.

Copper mineralization found at the Malachite property is related to northerly faulting. The main concentration of copper mineralization (malachite and trace bornite) is found at the Sho showing where the main inferred fault and a measured secondary fault intersect. The main inferred northerly striking fault zone is open to the north and the south.

Copper mineralization at the Malachite property is fault controlled and forms narrow zone adjacent to faults. Wider areas of mineralization (Sho showing) are related to fault intersections. Evidence of a large tonnage porphyry copper deposit was not observed.

APPENDEX A

(Geochemical Results – soil assays)

12-Jul-00

ECO-TECH LABORATORIES LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2000-119

BRIAN MALAHOFF
8568 SELKIRK STREET
VANCOUVER, BC
V6P 4H9

ATTENTION: Brian Malahoff

No. of samples received: 16
Sample type: SOIL
Project #: None Given
Shipment #: None Given
Samples submitted by: Brian Malahoff

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	BL 0+00N	<0.2	0.69	<5	75	<5	0.22	<1	6	11	46	2.05	<10	0.18	161	<1	<0.01	5	270	4	<5	<20	15	0.05	<10	71	<10	<1	17
2	L 0+00N, 0+50E	<0.2	0.73	<5	100	10	0.20	<1	4	8	37	1.71	<10	0.14	93	<1	<0.01	4	320	4	<5	<20	17	0.03	<10	55	<10	<1	13
3	L 0+00N, 1+00E	<0.2	1.52	<5	150	5	0.25	<1	8	12	53	2.15	<10	0.27	250	<1	<0.01	8	210	10	<5	<20	37	0.10	<10	62	<10	3	38
4	L 0+00N, 1+50E	<0.2	2.99	10	160	<5	0.39	<1	11	10	907	2.20	<10	0.45	394	<1	0.01	10	1040	22	5	<20	72	0.16	<10	53	<10	8	52
5	L 0+00N, 2+00E	<0.2	3.51	<5	350	<5	1.26	<1	15	13	446	2.54	<10	0.83	556	<1	<0.01	14	1090	22	15	<20	215	0.14	<10	67	<10	6	54
6	BL 1+00N	<0.2	2.66	10	200	<5	0.17	<1	8	12	57	2.08	<10	0.20	218	<1	0.01	12	940	22	<5	<20	14	0.13	<10	49	<10	8	51
7	L 1+00N, 0+50E	<0.2	4.04	10	130	<5	0.11	<1	8	9	83	1.74	<10	0.13	98	<1	0.01	10	2360	32	<5	<20	6	0.15	<10	31	<10	21	56
8	L 1+00N, 1+00E	<0.2	1.60	<5	135	5	0.27	<1	8	11	40	1.82	<10	0.21	1235	<1	<0.01	10	1520	12	5	<20	13	0.10	<10	45	<10	3	115
9	L 1+00N, 1+50E	<0.2	1.11	<5	175	5	0.26	<1	7	11	20	1.94	<10	0.23	472	<1	<0.01	7	290	8	<5	<20	19	0.08	<10	55	<10	2	59
10	L 1+00N, 2+00E	<0.2	1.29	<5	90	<5	0.40	<1	8	8	123	1.96	<10	0.31	180	<1	<0.01	5	110	8	<5	<20	53	0.06	<10	51	<10	5	23
11	L 1+00N, 2+50E	<0.2	1.44	<5	160	5	0.19	<1	6	7	23	1.44	<10	0.21	221	<1	<0.01	8	1470	12	<5	<20	27	0.09	<10	33	<10	2	52
12	L 1+00N, 3+00E	<0.2	1.39	<5	115	10	0.37	<1	8	11	26	1.91	<10	0.33	320	<1	<0.01	9	1040	8	<5	<20	31	0.08	<10	52	<10	2	48
13	L 1+00N, 3+50E	<0.2	1.08	<5	115	10	0.34	<1	9	10	28	2.23	<10	0.34	175	<1	<0.01	6	140	6	<5	<20	43	0.10	<10	70	<10	3	25
14	L 1+00N, 4+00E	<0.2	1.50	<5	90	10	0.17	<1	7	9	15	1.73	<10	0.16	391	<1	<0.01	9	1080	12	<5	<20	11	0.09	<10	46	<10	2	36
15	L 1+00N, 4+50E	<0.2	1.23	<5	110	5	0.22	<1	8	12	28	2.22	<10	0.24	229	<1	<0.01	9	800	8	<5	<20	18	0.08	<10	68	<10	2	31
16	L 1+00N, 5+00E	<0.2	1.07	<5	80	<5	0.37	<1	5	7	66	1.07	<10	0.23	76	<1	<0.01	4	200	6	<5	<20	31	0.07	<10	48	<10	6	12

QC DATA:

Resplit:

1	BL 0+00N	<0.2	0.72	10	60	5	0.10	<1	5	78	46	1.91	20	0.41	150	<1	<0.01	4	280	14	5	<20	3	0.11	<10	8	<10	12	17

ICP CERTIFICATE OF ANALYSIS AK 2000-119

BRIAN MALAHOFF

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Repeat:																													
1	BL 0+00N	<0.2	0.66	<5	80	<5	0.21	<1	5	10	43	1.93	<10	0.17	158	<1	<0.01	5	250	4	<5	<20	15	0.05	<10	66	<10	<1	17
10	L 1+00N, 2+00E	<0.2	1.29	<5	90	<5	0.40	<1	8	8	126	1.95	<10	0.31	183	<1	<0.01	6	100	8	10	<20	56	0.06	<10	50	<10	4	23
Standard:																													
GEO'00		1.0	1.58	45	150	5	1.47	<1	18	62	91	3.35	<10	0.86	635	<1	0.01	24	690	20	15	<20	49	0.10	<10	79	<10	10	67

df/119
XLS/00

email: btm@zoolink.com
email: wpicket@home.com

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

14-Jul-00

ECO-TECH LABORATORIES LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2000-123

BRIAN MALAHOFF
8568 SELKIRK STREET
VANCOUVER, BC
V6P 4H9

ATTENTION: Brian Malahoff

No. of samples received: 135
Sample type: Soils
Project #: None Given
Shipment #: None Given
Samples submitted by: Brian Malahoff

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L 0 +00N 2+50E	<0.2	1.91	<5	160	<5	0.36	<1	10	10	49	2.19	<10	0.35	293	<1	<0.01	9	1220	12	<5	<20	36	0.11	<10	57	<10	3	68
2	L 0 +00N 3+00E	<0.2	1.88	<5	160	10	0.45	<1	10	9	46	2.29	<10	0.45	205	<1	<0.01	7	230	12	<5	<20	69	0.13	<10	66	<10	6	48
3	L 0 +00N 3+50E	<0.2	2.05	<5	105	<5	0.22	<1	8	9	20	1.61	<10	0.17	364	<1	0.01	9	1680	18	<5	<20	14	0.11	<10	38	<10	5	79
4	L 0 +00N 4+00E	<0.2	1.83	<5	130	<5	0.29	<1	9	10	28	2.11	<10	0.24	192	<1	<0.01	9	810	14	<5	<20	22	0.11	<10	56	<10	4	40
5	L 0 +00N 4+50E	<0.2	1.49	<5	90	5	0.26	<1	8	11	24	2.16	<10	0.18	129	<1	<0.01	8	750	12	<5	<20	21	0.10	<10	63	<10	3	30
6	L 0 +00N 5+00E	<0.2	2.07	<5	145	10	0.27	<1	9	10	24	1.86	<10	0.22	221	<1	0.01	10	1880	16	<5	<20	23	0.11	<10	46	<10	4	62
7	L 0 +00N 0+50W	<0.2	1.77	<5	155	5	0.33	<1	10	17	67	3.70	<10	0.27	320	<1	<0.01	8	560	12	<5	<20	31	0.07	<10	120	<10	<1	33
8	L 0 +00N 1+00W	<0.2	2.98	5	105	<5	0.14	<1	8	10	31	1.93	<10	0.15	317	<1	0.02	10	1980	22	<5	<20	9	0.12	<10	45	<10	8	72
9	L 0 +00N 1+50W	<0.2	2.14	5	215	<5	0.32	<1	8	14	104	2.67	<10	0.30	262	<1	<0.01	9	660	16	<5	<20	31	0.07	<10	79	<10	<1	30
10	L 0 +00N 2+00W	<0.2	1.21	<5	95	10	0.21	<1	8	13	36	3.10	<10	0.17	165	<1	<0.01	6	370	8	<5	<20	15	0.06	<10	102	<10	<1	26
11	L 0 +00N 2+50W	<0.2	1.50	<5	130	<5	0.23	<1	9	17	34	3.04	<10	0.21	171	<1	<0.01	7	230	10	<5	<20	18	0.09	<10	97	<10	<1	25
12	L 0 +00N 3+00W	<0.2	2.07	<5	115	10	0.26	<1	9	14	42	2.46	<10	0.29	349	<1	0.01	12	1050	16	<5	<20	18	0.10	<10	69	<10	1	66
13	L 0 +00N 3+50W	<0.2	2.51	<5	150	10	0.20	<1	9	15	32	2.42	<10	0.21	568	<1	0.01	10	880	20	<5	<20	14	0.12	<10	65	<10	5	62
14	L 0 +00N 4+00W	<0.2	1.11	<5	100	10	0.26	<1	7	13	25	1.81	<10	0.17	128	<1	<0.01	6	240	8	<5	<20	19	0.09	<10	55	<10	4	22
15	L 0 +00N 4+50W	<0.2	1.05	<5	90	5	0.30	<1	6	11	15	1.90	<10	0.12	167	<1	<0.01	5	340	8	<5	<20	17	0.10	<10	57	<10	3	33
16	L 0 +00N 5+00W	<0.2	0.81	<5	80	<5	0.23	<1	5	10	8	1.84	<10	0.09	171	<1	<0.01	4	240	8	<5	<20	10	0.07	<10	57	<10	<1	25
17	BL 0+50N	<0.2	2.47	<5	150	<5	0.21	<1	10	14	76	2.31	<10	0.24	449	<1	0.01	13	650	18	<5	<20	18	0.13	<10	60	<10	5	72
18	L 0+50N 0+50W	<0.2	2.56	<5	160	<5	0.19	<1	9	12	35	2.03	<10	0.19	376	<1	0.01	12	1200	20	<5	<20	11	0.12	<10	50	<10	5	88
19	L 0+50N 1+00W	<0.2	1.89	<5	135	15	0.21	<1	10	19	36	3.58	<10	0.19	370	<1	0.01	11	640	14	<5	<20	17	0.10	<10	111	<10	1	50
20	L 0+50N 1+50W	<0.2	1.70	<5	125	5	0.23	<1	8	12	28	2.36	<10	0.19	364	<1	<0.01	8	800	14	<5	<20	18	0.09	<10	69	<10	<1	51
21	L 0+50N 2+00W	<0.2	2.53	<5	130	5	0.18	<1	8	11	38	2.23	<10	0.18	160	<1	0.01	10	2060	20	<5	<20	14	0.11	<10	55	<10	5	41
22	L 0+50N 2+50W	<0.2	2.80	10	145	5	0.18	<1	8	12	51	2.00	<10	0.19	350	<1	0.01	11	1040	22	<5	<20	10	0.13	<10	48	<10	13	76
23	L 0+50N 3+00W	<0.2	2.00	<5	175	5	0.22	<1	8	13	26	1.82	<10	0.17	315	<1	0.01	10	710	16	<5	<20	15	0.11	<10	46	<10	5	59
24	L 0+50N 3+50W	<0.2	1.57	<5	235	<5	0.30	<1	7	13	25	2.17	<10	0.17	412	<1	0.01	11	1720	12	<5	<20	15	0.09	<10	59	<10	2	65
25	L 0+50N 4+00W	<0.2	0.66	<5	65	10	0.28	<1	7	12	15	2.33	<10	0.10	181	<1	<0.01	4	110	6	<5	<20	14	0.10	<10	78	<10	4	15

Et #	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	L 0+50N 4+50W	<0.2	1.06	<5	95	10	0.25	<1	6	12	18	2.12	<10	0.11	254	<1	<0.01	6	370	6	<5	<20	11	0.08	<10	65	<10	2	23
27	L 0+50N 5+00W	<0.2	2.29	<5	170	5	0.25	<1	10	15	53	2.46	<10	0.23	244	<1	0.01	11	560	18	<5	<20	19	0.12	<10	68	<10	3	64
28	L 0+50N 0+50E	<0.2	2.18	5	165	<5	0.23	<1	9	14	51	2.33	<10	0.22	232	<1	<0.01	11	550	16	<5	<20	16	0.11	<10	64	<10	4	61
29	L 0+50N 1+00E	<0.2	2.88	<5	180	5	0.23	<1	10	13	81	2.30	<10	0.25	516	<1	0.01	14	1420	24	<5	<20	19	0.13	<10	56	<10	3	76
30	L 0+50N 1+45E	<0.2	2.59	5	180	<5	0.29	<1	10	16	60	2.83	<10	0.29	197	<1	0.01	10	430	22	<5	<20	43	0.12	<10	78	<10	3	50
31	L 0+50N 2+00E	<0.2	2.89	<5	335	15	0.93	<1	15	9	52	2.65	<10	0.64	837	<1	0.01	9	320	20	<5	<20	119	0.20	<10	66	<10	9	79
32	L 0+50N 2+50E	<0.2	1.35	<5	140	5	0.25	<1	7	8	20	1.51	<10	0.18	366	<1	<0.01	6	1040	10	<5	<20	26	0.10	<10	39	<10	3	62
33	L 0+50N 3+00E	<0.2	1.62	<5	115	5	0.45	<1	9	10	26	1.94	<10	0.27	237	<1	<0.01	6	280	12	<5	<20	56	0.14	<10	55	<10	7	34
34	L 0+50N 3+50E	<0.2	1.30	<5	90	15	0.36	<1	10	10	21	2.30	<10	0.30	212	<1	<0.01	7	160	10	<5	<20	30	0.14	<10	71	<10	6	31
35	L 0+50N 4+00E	<0.2	2.19	<5	120	10	0.26	<1	10	12	46	2.47	<10	0.29	215	<1	<0.01	9	860	16	<5	<20	25	0.12	<10	71	<10	4	36
36	L 0+50N 4+50E	<0.2	1.78	<5	130	5	0.30	<1	9	10	31	1.76	<10	0.23	516	<1	<0.01	12	1600	14	<5	<20	21	0.11	<10	44	<10	4	57
37	L 0+50N 5+00E	<0.2	2.96	5	115	<5	0.20	<1	10	12	41	2.13	<10	0.15	115	<1	<0.01	12	3230	24	<5	<20	14	0.11	<10	47	<10	4	37
38	L 1+00N 0+50W	<0.2	2.56	<5	145	<5	0.21	<1	9	13	67	2.17	<10	0.23	396	<1	0.01	12	800	22	<5	<20	15	0.13	<10	54	<10	6	75
39	L 1+00N 1+00W	<0.2	1.28	<5	100	5	0.27	<1	10	20	35	3.92	<10	0.19	169	<1	<0.01	10	460	8	<5	<20	18	0.07	<10	132	<10	<1	26
40	L 1+00N 1+50W	<0.2	2.12	<5	150	5	0.20	<1	9	16	40	2.72	<10	0.19	194	<1	0.01	11	770	16	<5	<20	13	0.11	<10	79	<10	2	47
41	L 1+00N 2+00W	<0.2	1.68	<5	140	<5	0.23	<1	7	13	26	2.40	<10	0.16	258	<1	<0.01	9	780	14	<5	<20	13	0.09	<10	69	<10	2	39
42	L 1+00N 2+50W	<0.2	1.44	<5	115	5	0.28	<1	8	15	28	2.39	<10	0.19	415	<1	<0.01	8	680	12	<5	<20	15	0.10	<10	73	<10	3	46
43	L 1+00N 3+00W	<0.2	1.53	<5	140	5	0.32	<1	9	16	32	2.38	<10	0.22	208	<1	<0.01	9	550	14	<5	<20	20	0.11	<10	73	<10	4	42
44	L 1+00N 3+50W	<0.2	0.71	<5	55	10	0.34	<1	7	13	14	2.00	<10	0.13	146	<1	<0.01	4	120	6	<5	<20	18	0.11	<10	68	<10	5	15
45	L 1+00N 4+00W	<0.2	0.65	<5	60	10	0.30	<1	6	13	21	2.61	<10	0.10	105	<1	<0.01	4	160	4	<5	<20	14	0.08	<10	91	<10	2	12
46	L 1+00N 4+50W	<0.2	1.56	<5	110	5	0.23	<1	7	12	28	1.97	<10	0.16	160	<1	<0.01	9	790	12	<5	<20	10	0.09	<10	55	<10	2	38
47	L 1+00N 5+00W	<0.2	1.64	<5	105	5	0.22	<1	7	11	25	2.03	<10	0.13	194	<1	<0.01	8	890	12	<5	<20	11	0.08	<10	57	<10	2	30
48	BL 1 +50N	<0.2	2.49	<5	160	5	0.23	<1	10	14	54	2.48	<10	0.23	185	<1	0.01	11	790	20	<5	<20	17	0.12	<10	66	<10	2	48
49	L 1+50N 0+50E	<0.2	2.87	10	155	<5	0.19	<1	11	15	84	2.62	<10	0.26	314	<1	0.01	15	890	26	<5	<20	12	0.15	<10	68	<10	4	70
50	L 1+50N 1+00E	<0.2	2.74	10	160	<5	0.29	<1	10	15	109	2.45	<10	0.29	253	<1	0.01	14	2860	22	<5	<20	20	0.13	<10	59	<10	4	94
51	L 1+50N 1+50E	<0.2	2.58	<5	165	<5	0.35	<1	9	13	41	2.24	<10	0.21	266	<1	0.01	13	3070	22	<5	<20	25	0.11	<10	52	<10	3	81
52	L 1+50N 2+00E	<0.2	1.48	<5	75	5	0.39	<1	11	13	31	3.08	<10	0.30	342	<1	<0.01	6	150	12	<5	<20	30	0.12	<10	98	<10	3	38
53	L 1+50N 2+50E	<0.2	1.76	<5	150	<5	0.28	<1	6	8	57	1.82	<10	0.15	122	<1	<0.01	6	2660	14	<5	<20	19	0.06	<10	41	<10	<1	39
54	L 1+50N 3+00E	<0.2	1.14	<5	80	10	0.18	<1	7	6	26	1.24	<10	0.12	299	<1	0.01	4	1150	12	<5	<20	8	0.10	<10	32	<10	2	48
55	L 1+50N 3+50E	<0.2	1.24	<5	115	5	0.41	<1	8	9	13	1.78	<10	0.23	495	<1	<0.01	6	280	10	<5	<20	41	0.11	<10	53	<10	3	30
56	L 1+50N 4+00E	<0.2	1.79	<5	120	5	0.23	<1	8	10	27	1.64	<10	0.14	524	<1	0.01	9	1590	16	<5	<20	13	0.11	<10	41	<10	4	56
57	L 1+50N 4+50E	<0.2	1.56	<5	105	<5	0.26	<1	8	10	21	1.79	<10	0.23	389	<1	<0.01	9	1350	14	<5	<20	23	0.11	<10	48	<10	2	43
58	L 1+50N 5+00E	<0.2	1.86	<5	100	5	0.32	<1	11	12	67	2.56	<10	0.36	267	<1	<0.01	10	430	14	<5	<20	28	0.13	<10	77	<10	3	34
59	L 1+50N 0+50W	<0.2	2.42	5	205	5	0.47	<1	11	14	86	2.90	<10	0.40	607	<1	<0.01	11	350	18	<5	<20	60	0.11	<10	83	<10	1	51
60	L 1+50N 1+00W	<0.2	1.42	<5	95	5	0.24	<1	7	12	28	2.00	<10	0.17	303	<1	<0.01	9	880	12	<5	<20	12	0.08	<10	58	<10	2	44

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	L 1+50N 1+50W	<0.2	2.41	10	145	10	0.24	<1	10	16	53	2.65	<10	0.25	193	<1	0.01	12	1550	18	<5	<20	10	0.12	<10	70	<10	3	67
62	L 1+50N 2+00W	<0.2	0.78	<5	80	<5	0.29	<1	7	12	18	2.31	<10	0.13	264	<1	<0.01	5	210	6	<5	<20	16	0.09	<10	78	<10	1	27
63	L 1+50N 2+50W	<0.2	0.80	<5	75	<5	0.28	<1	6	10	16	1.75	<10	0.13	198	<1	<0.01	5	150	8	<5	<20	14	0.09	<10	57	<10	2	21
64	L 1+50N 3+00W	<0.2	0.71	<5	75	5	0.36	<1	8	14	21	2.26	<10	0.16	162	<1	<0.01	5	120	6	<5	<20	20	0.12	<10	79	<10	4	18
65	L 1+50N 3+50W	<0.2	1.02	<5	90	10	0.23	<1	6	10	13	1.78	<10	0.11	178	<1	<0.01	5	340	10	<5	<20	12	0.08	<10	53	<10	<1	37
66	L 1+50N 4+00W	<0.2	1.89	<5	150	<5	0.25	<1	8	13	29	2.45	<10	0.13	143	<1	0.01	9	1760	14	<5	<20	14	0.09	<10	65	<10	<1	39
67	L 1+50N 4+50W	<0.2	1.24	<5	80	<5	0.24	<1	6	11	46	2.14	<10	0.14	125	<1	<0.01	6	680	10	<5	<20	9	0.07	<10	66	<10	1	19
68	L 1+50N 5+00W	<0.2	1.75	<5	95	5	0.22	<1	8	14	28	2.30	<10	0.17	189	<1	<0.01	10	1050	14	<5	<20	9	0.09	<10	66	<10	3	36
69	BL 2+00N	<0.2	1.75	5	125	<5	0.26	<1	8	13	53	2.24	<10	0.24	318	<1	<0.01	9	480	14	<5	<20	32	0.10	<10	66	<10	2	54
70	L 2+00N 0+50E	<0.2	2.57	<5	175	<5	0.29	<1	11	18	188	2.87	<10	0.36	293	<1	<0.01	14	790	20	<5	<20	24	0.14	<10	83	<10	2	52
71	L 2+00N 1+00E	<0.2	1.79	<5	110	5	0.16	<1	7	10	26	1.67	<10	0.15	308	<1	0.01	9	820	12	<5	<20	14	0.11	<10	43	<10	2	88
72	L 2+00N 1+50E	<0.2	2.94	10	155	<5	0.24	<1	10	15	107	2.61	<10	0.26	566	<1	0.01	14	1400	18	<5	<20	16	0.13	<10	67	<10	3	79
73	L 2+00N 2+00E	<0.2	1.59	<5	125	<5	0.28	<1	7	11	51	2.06	<10	0.20	163	<1	<0.01	8	380	10	<5	<20	24	0.10	<10	59	<10	<1	40
74	L 2+00N 2+50E	<0.2	2.07	<5	115	<5	0.17	<1	8	11	28	1.95	<10	0.16	667	<1	<0.01	11	1360	16	<5	<20	10	0.10	<10	51	<10	1	62
75	L 2+00N 3+00E	<0.2	2.98	<5	170	<5	0.70	<1	10	16	255	2.57	<10	0.31	474	<1	0.02	15	180	18	<5	<20	41	0.12	<10	50	<10	17	25
76	L 2+00N 3+50E	<0.2	1.91	<5	95	<5	0.27	<1	8	12	63	2.08	<10	0.21	193	<1	<0.01	11	1060	12	<5	<20	13	0.11	<10	57	<10	1	51
77	L 2+00N 4+00E	<0.2	1.71	<5	95	5	0.28	<1	9	15	42	2.59	<10	0.20	212	<1	<0.01	10	350	10	<5	<20	16	0.11	<10	81	<10	1	30
78	L 2+00N 4+50E	<0.2	1.85	5	105	5	0.23	<1	9	9	21	1.85	<10	0.23	280	<1	0.01	11	920	12	<5	<20	14	0.13	<10	49	<10	2	55
79	L 2+00N 5+00E	<0.2	1.85	<5	80	<5	0.28	<1	7	8	31	1.02	<10	0.20	106	<1	0.01	8	210	14	<5	<20	18	0.12	<10	24	<10	2	20
80	L 2+00N 0+50W	<0.2	1.88	5	185	5	0.23	<1	8	14	49	2.14	<10	0.24	146	<1	<0.01	10	720	12	<5	<20	23	0.11	<10	58	<10	3	36
81	L 2+00N 1+00W	<0.2	1.81	<5	105	10	0.22	<1	9	11	42	2.12	<10	0.23	125	<1	<0.01	12	2190	12	<5	<20	11	0.12	<10	57	<10	<1	72
82	L 2+00N 1+50W	<0.2	1.16	<5	135	5	0.31	<1	7	11	26	2.13	<10	0.21	391	<1	<0.01	7	460	8	<5	<20	19	0.09	<10	68	<10	1	48
83	L 2+00N 2+00W	<0.2	0.75	<5	65	<5	0.25	<1	5	11	10	1.83	<10	0.12	279	<1	<0.01	4	200	4	<5	<20	12	0.08	<10	62	<10	<1	28
84	L 2+00N 2+50W	<0.2	1.85	<5	275	<5	0.30	<1	8	15	59	2.41	<10	0.23	118	<1	<0.01	10	1910	12	<5	<20	17	0.09	<10	66	<10	4	49
85	L 2+00N 3+00W	<0.2	0.80	<5	105	<5	0.28	<1	5	9	11	1.69	<10	0.13	480	<1	<0.01	4	410	6	<5	<20	18	0.08	<10	53	<10	<1	54
86	L 2+00N 3+50W	<0.2	0.98	<5	85	5	0.23	<1	6	11	17	1.97	<10	0.11	364	<1	<0.01	6	430	6	<5	<20	11	0.07	<10	63	<10	<1	44
87	L 2+00N 4+00W	<0.2	1.64	5	85	<5	0.17	<1	6	10	20	1.86	<10	0.12	149	<1	<0.01	8	1850	10	<5	<20	8	0.08	<10	50	<10	<1	39
88	L 2+00N 4+50W	<0.2	1.09	<5	80	5	0.24	<1	5	11	22	1.98	<10	0.11	90	<1	<0.01	6	1110	6	<5	<20	12	0.07	<10	59	<10	<1	15
89	L 2+00N 5+00W	<0.2	0.87	<5	65	<5	0.24	<1	5	11	27	2.06	<10	0.11	111	<1	<0.01	5	510	4	<5	<20	12	0.06	<10	68	<10	<1	14
90	BL 2+50N	<0.2	1.69	<5	220	<5	0.44	<1	9	8	41	2.30	<10	0.44	288	<1	<0.01	6	150	12	<5	<20	242	0.12	<10	72	<10	2	34
91	L 2+50N 0+50E	<0.2	0.93	<5	85	<5	0.25	<1	6	8	19	2.03	<10	0.19	262	<1	<0.01	4	70	6	<5	<20	60	0.07	<10	65	<10	<1	23
92	L 2+50N 1+05E	<0.2	2.63	10	160	<5	0.25	<1	9	12	56	1.93	<10	0.23	241	<1	0.01	11	1570	20	<5	<20	20	0.12	<10	44	<10	3	72
93	L 2+50N 1+50E	<0.2	1.65	5	105	<5	0.37	<1	9	8	59	2.80	<10	0.42	221	2	<0.01	6	370	10	<5	<20	58	0.03	<10	78	<10	4	40
94	L 2+50N 2+00E	<0.2	1.99	<5	130	5	0.30	<1	11	8	67	2.23	<10	0.47	365	<1	<0.01	9	160	14	10	<20	42	0.15	<10	61	<10	2	50
95	L 2+50N 2+50E	<0.2	1.01	<5	65	10	0.30	<1	6	11	16	1.97	<10	0.14	108	<1	<0.01	5	200	6	<5	<20	19	0.10	<10	65	<10	2	16

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
96	L 2+50N 3+00E	<0.2	0.73	<5	45	<5	0.31	<1	6	10	17	1.93	<10	0.14	142	<1	<0.01	4	250	4	<5	<20	16	0.10	<10	67	<10	2	18
97	L 2+50N 3+50E	<0.2	2.40	5	125	5	0.20	<1	9	14	44	2.10	<10	0.19	145	<1	0.01	15	1730	16	<5	<20	11	0.13	10	52	<10	2	67
98	L 2+50N 4+00E	<0.2	1.72	<5	95	5	0.23	<1	8	13	48	2.32	<10	0.22	228	<1	<0.01	11	500	12	<5	<20	12	0.10	<10	70	<10	<1	34
99	L 2+50N 4+50E	<0.2	1.72	<5	85	10	0.21	<1	8	12	34	2.26	<10	0.18	188	<1	<0.01	9	730	12	<5	<20	11	0.10	<10	67	<10	<1	29
100	L 2+50N 5+00E	<0.2	2.41	<5	95	<5	0.49	<1	13	12	101	2.89	<10	0.73	387	<1	<0.01	11	480	14	5	<20	64	0.08	<10	78	<10	<1	42
101	L 2+50N 0+50W	<0.2	4.15	10	210	<5	0.77	<1	14	26	363	3.69	10	0.56	963	<1	0.01	21	570	26	<5	<20	46	0.15	<10	79	<10	30	72
102	L 2+50N 1+00W	<0.2	2.61	10	205	10	0.28	<1	9	15	61	2.47	<10	0.27	234	<1	0.01	12	1890	18	<5	<20	18	0.12	<10	63	<10	4	55
103	L 2+50N 1+50W	<0.2	0.75	<5	65	5	0.33	<1	6	11	16	2.06	<10	0.13	101	<1	<0.01	4	180	4	<5	<20	21	0.10	<10	69	<10	1	16
104	L 2+50N 2+00W	<0.2	0.99	<5	85	<5	0.28	<1	6	10	20	1.90	<10	0.15	450	<1	<0.01	5	540	6	<5	<20	14	0.07	<10	59	<10	<1	30
105	L 2+50N 2+50W	<0.2	0.79	<5	65	5	0.29	<1	6	12	27	2.27	<10	0.14	122	<1	<0.01	6	380	6	<5	<20	12	0.07	<10	77	<10	<1	16
106	L 2+50N 3+00W	<0.2	0.67	<5	55	<5	0.29	<1	6	12	18	2.08	<10	0.11	247	<1	<0.01	4	180	4	<5	<20	21	0.08	<10	72	<10	1	16
107	L 2+50N 3+50W	<0.2	1.52	<5	145	<5	0.20	<1	6	10	30	1.84	<10	0.13	90	<1	<0.01	7	910	10	<5	<20	9	0.08	<10	50	<10	2	29
108	L 2+50N 4+00W	<0.2	1.10	<5	80	<5	0.23	<1	6	12	32	2.38	<10	0.11	90	<1	<0.01	6	580	6	<5	<20	8	0.06	<10	76	<10	<1	15
109	L 2+50N 4+50W	<0.2	1.43	5	110	<5	0.20	<1	5	8	31	1.38	<10	0.11	169	<1	0.01	9	190	10	<5	<20	11	0.08	<10	35	<10	<1	21
110	L 2+50N 5+00W	<0.2	1.35	<5	75	<5	0.26	<1	4	6	22	1.15	<10	0.09	55	<1	0.01	4	100	10	<5	<20	12	0.07	<10	25	<10	<1	10
111	BL 3+00N	<0.2	1.02	<5	60	<5	0.25	<1	3	5	73	0.88	<10	0.14	99	<1	<0.01	4	140	8	<5	<20	14	0.07	<10	24	<10	4	24
112	L 3+00N 0+50E	<0.2	2.26	<5	175	5	0.23	<1	9	10	27	2.01	<10	0.27	675	<1	<0.01	14	1500	16	<5	<20	42	0.11	<10	45	<10	<1	122
113	L 3+00N 1+00E	<0.2	1.30	<5	155	<5	0.32	<1	9	13	33	2.63	<10	0.29	210	<1	<0.01	7	110	8	<5	<20	106	0.12	<10	82	<10	1	27
114	L 3+00N 1+50E	<0.2	2.66	<5	145	<5	0.54	<1	11	20	240	2.77	<10	0.45	337	<1	0.02	16	340	18	5	<20	40	0.13	<10	69	<10	18	69
115	L 3+00N 2+00E	<0.2	1.76	10	80	<5	1.49	<1	10	4	356	2.39	<10	0.71	451	<1	<0.01	5	750	8	10	<20	168	0.02	<10	68	<10	12	40
116	L 3+00N 2+50E	<0.2	2.32	<5	145	5	0.23	<1	10	14	43	2.58	<10	0.23	942	<1	<0.01	12	800	16	<5	<20	17	0.12	<10	72	<10	<1	81
117	L 3+00N 3+00E	<0.2	1.73	<5	95	<5	0.19	<1	7	9	35	1.65	<10	0.14	327	<1	<0.01	9	1280	14	<5	<20	6	0.10	<10	42	<10	<1	64
118	L 3+00N 3+50E	<0.2	0.82	<5	95	<5	0.29	<1	6	12	17	1.76	<10	0.15	182	<1	<0.01	5	740	6	<5	<20	14	0.08	<10	55	<10	<1	48
119	L 3+00N 4+00E	<0.2	1.77	<5	90	<5	0.25	<1	9	16	53	2.64	<10	0.23	307	<1	<0.01	12	790	12	<5	<20	13	0.10	<10	81	<10	<1	51
120	L 3+00N 4+50E	<0.2	1.73	5	100	5	0.23	<1	9	14	45	2.42	<10	0.22	177	<1	<0.01	11	640	12	<5	<20	12	0.11	<10	71	<10	<1	36
121	BL 3+50N	<0.2	1.10	<5	130	10	0.25	<1	7	10	17	1.85	<10	0.16	470	<1	<0.01	6	200	6	<5	<20	15	0.09	<10	56	<10	<1	31
122	L 3+50N 0+50E	<0.2	0.91	<5	80	10	0.28	<1	6	10	12	1.85	<10	0.13	237	<1	<0.01	4	310	6	<5	<20	14	0.09	<10	59	<10	<1	34
123	L 3+50N 1+00E	<0.2	1.51	<5	120	5	0.27	<1	8	16	36	2.35	<10	0.22	150	<1	<0.01	11	450	10	<5	<20	22	0.09	<10	73	<10	1	34
124	L 3+50N 1+50E	<0.2	2.20	<5	105	<5	0.22	<1	8	12	47	1.99	<10	0.21	370	<1	<0.01	11	850	16	<5	<20	15	0.11	<10	50	<10	1	59
125	L 3+50N 2+00E	<0.2	1.76	<5	135	<5	0.32	<1	8	12	52	2.05	<10	0.24	370	<1	<0.01	9	1200	12	<5	<20	28	0.09	<10	55	<10	<1	64
126	L 3+50N 2+50E	<0.2	1.52	5	95	<5	0.26	<1	8	14	47	2.67	<10	0.19	182	<1	<0.01	8	1390	10	<5	<20	14	0.09	<10	79	<10	<1	37
127	L 3+50N 3+00E	<0.2	1.56	<5	120	<5	0.28	<1	8	13	34	2.23	<10	0.18	122	<1	<0.01	10	1170	10	<5	<20	15	0.09	<10	63	<10	<1	31
128	L 3+50N 3+50E	<0.2	2.83	5	145	<5	0.19	<1	9	12	46	2.03	<10	0.16	366	<1	0.01	14	2280	20	<5	<20	12	0.13	<10	47	<10	3	79
129	L 3+50N 4+00E	<0.2	0.03	<5	<5	<5	<0.01	<1	<1	<1	<1	0.02	<10	<0.01	2	<1	<0.01	<1	10	<2	<5	<20	<1	<0.01	<10	<1	<10	<1	<1
130	L 3+50N 4+50E	<0.2	1.44	<5	75	10	0.26	<1	8	14	52	2.64	<10	0.21	211	<1	<0.01	9	740	8	<5	<20	10	0.09	<10	86	<10	<1	37

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
131	L 3+50N 5+00E	<0.2	0.72	<5	60	10	0.39	<1	8	15	39	2.42	<10	0.19	131	<1	<0.01	5	240	6	<5	<20	21	0.11	<10	88	<10	4	15
132	L 3+50N 0+50W	<0.2	2.16	<5	110	5	0.20	<1	8	10	38	1.88	<10	0.16	251	<1	0.01	12	1680	16	<5	<20	11	0.11	<10	46	<10	<1	66
133	L 3+50N 1+00W	<0.2	0.85	<5	65	<5	0.32	<1	6	13	32	2.06	<10	0.18	136	<1	<0.01	5	170	6	<5	<20	18	0.09	<10	68	<10	3	26
134	L 3+50N 1+50W	<0.2	1.85	5	120	<5	0.20	<1	7	11	30	1.92	<10	0.17	172	<1	<0.01	11	1190	12	<5	<20	10	0.09	<10	51	<10	2	50
135	L 3+50N 2+00W	<0.2	1.67	<5	105	<5	0.23	<1	8	13	55	2.32	<10	0.16	124	<1	<0.01	11	1130	12	<5	<20	11	0.09	<10	69	<10	1	27
QC DATA:																													
Repeat:																													
1	L 0 +00N 2+50E	<0.2	2.02	5	160	5	0.38	<1	10	11	53	2.24	<10	0.36	294	<1	0.01	9	1250	16	<5	<20	37	0.12	<10	59	<10	4	72
10	L 0 +00N 2+00W	<0.2	1.26	<5	95	10	0.23	<1	9	14	37	3.28	<10	0.17	171	<1	<0.01	7	370	10	<5	<20	16	0.07	<10	109	<10	<1	27
19	L 0+50N 1+00W	<0.2	2.06	<5	120	10	0.20	<1	9	16	38	2.67	<10	0.20	303	<1	<0.01	10	670	16	<5	<20	14	0.10	<10	77	<10	2	53
28	L 0+50N 0+50E	<0.2	2.28	10	165	5	0.25	<1	10	15	53	2.53	<10	0.23	240	<1	0.01	11	560	18	<5	<20	20	0.12	<10	71	<10	4	64
36	L 0+50N 4+50E	<0.2	1.79	<5	120	<5	0.30	<1	8	10	31	1.76	<10	0.23	531	<1	<0.01	11	1620	16	<5	<20	15	0.11	<10	44	<10	4	57
45	L 1+00N 4+00W	<0.2	0.63	<5	60	5	0.29	<1	7	13	20	2.55	<10	0.10	102	<1	<0.01	5	170	6	<5	<20	14	0.08	<10	89	<10	2	11
54	L 1+50N 3+00E	<0.2	1.11	<5	75	<5	0.18	<1	7	6	26	1.27	<10	0.12	290	<1	0.01	5	1100	12	<5	<20	10	0.10	<10	34	<10	2	47
63	L 1+50N 2+50W	<0.2	0.84	<5	80	5	0.29	<1	7	10	17	1.74	<10	0.13	204	<1	<0.01	5	150	8	<5	<20	16	0.10	<10	56	<10	3	21
71	L 2+00N 1+00E	<0.2	1.80	<5	105	<5	0.16	<1	7	9	26	1.70	<10	0.15	303	<1	0.01	9	810	14	<5	<20	9	0.11	<10	45	<10	2	88
80	L 2+00N 0+50W	<0.2	1.92	<5	190	<5	0.24	<1	8	14	50	2.08	<10	0.25	147	<1	<0.01	10	760	12	<5	<20	24	0.11	<10	56	<10	3	37
89	L 2+00N 5+00W	<0.2	0.88	<5	65	<5	0.25	<1	5	11	27	2.04	<10	0.11	111	<1	<0.01	5	540	6	<5	<20	11	0.06	<10	67	<10	1	15
98	L 2+50N 4+00E	<0.2	1.70	<5	90	5	0.23	<1	9	13	48	2.37	<10	0.22	227	<1	<0.01	10	490	12	<5	<20	6	0.10	<10	73	<10	2	34
106	L 2+50N 3+00W	<0.2	0.68	<5	50	5	0.29	<1	6	11	19	2.09	<10	0.11	249	<1	<0.01	6	200	4	<5	<20	14	0.08	<10	72	<10	1	16
115	L 3+00N 2+00E	<0.2	1.73	<5	75	<5	1.45	<1	10	5	338	2.39	<10	0.68	422	<1	<0.01	7	790	8	10	<20	163	0.03	<10	69	<10	11	38
124	L 3+50N 1+50E	<0.2	2.19	10	105	5	0.21	<1	8	12	45	2.01	<10	0.21	356	<1	<0.01	12	830	16	<5	<20	13	0.11	<10	51	<10	1	59
Standard:																													
GEO'00		1.0	1.92	55	155	10	1.68	<1	21	64	89	3.83	<10	0.96	702	<1	0.02	22	760	22	10	<20	65	0.14	<10	83	<10	14	76
GEO'00		1.0	1.91	60	155	<5	1.67	<1	20	63	90	3.80	<10	0.96	702	<1	0.02	24	740	24	<5	<20	67	0.13	<10	82	<10	10	75
GEO'00		1.0	1.83	60	150	<5	1.61	<1	19	61	86	3.64	<10	0.93	670	<1	0.02	22	720	22	5	<20	62	0.12	<10	79	<10	9	71
GEO'00		1.0	1.84	55	155	<5	1.60	<1	19	60	88	3.66	<10	0.94	674	<1	0.02	22	760	20	10	<20	62	0.12	<10	79	<10	9	72

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

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XLS/00

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18-Jul-00

ECO-TECH LABORATORIES LTD.
10041 Dallas Drive
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V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 2000-128

BRIAN MALAHOFF
8568 SELKIRK STREET
VANCOUVER, BC
V6P 4H9

ATTENTION: Brian Malahoff

No. of samples received: 99
Sample type: Soil
Project #: None Given
Shipment #: None Given
Samples submitted by: B. Malahoff

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L 3+00N 0+50W	<0.2	0.77	<5	105	5	0.21	<1	6	8	8	1.41	<10	0.12	470	<1	<0.01	4	180	6	<5	<20	17	0.08	<10	45	<10	2	48
2	L 3+00N 1+00W	<0.2	0.71	<5	65	10	0.34	<1	7	13	31	2.19	<10	0.18	106	<1	<0.01	4	220	4	<5	<20	24	0.09	<10	78	<10	3	15
3	L 3+00N 1+50W	<0.2	1.49	<5	95	5	0.23	<1	7	14	46	2.51	<10	0.20	187	<1	<0.01	9	1040	10	<5	<20	12	0.07	<10	77	<10	<1	43
4	L 3+00N 2+00W	<0.2	1.56	<5	120	10	0.21	<1	7	11	31	1.95	<10	0.17	167	<1	<0.01	9	1720	12	<5	<20	10	0.08	<10	52	<10	2	42
5	L 3+00N 2+50W	<0.2	0.77	<5	65	10	0.20	<1	5	10	22	2.02	<10	0.10	194	<1	<0.01	3	380	6	<5	<20	10	0.05	<10	65	<10	<1	17
6	L 3+00N 3+00W	<0.2	0.91	<5	55	<5	0.17	<1	5	8	15	1.60	<10	0.09	91	<1	<0.01	5	330	8	<5	<20	7	0.05	<10	48	<10	<1	17
7	L 3+00N 3+50W	<0.2	1.59	<5	115	10	0.15	<1	6	10	20	1.69	<10	0.14	414	<1	<0.01	9	840	14	<5	<20	7	0.08	<10	43	<10	<1	52
8	L 3+00N 4+00W	<0.2	1.12	<5	75	10	0.18	<1	5	8	18	1.60	<10	0.12	267	<1	<0.01	5	470	8	<5	<20	9	0.06	<10	46	<10	<1	26
9	L 3+00N 4+50W	<0.2	2.06	5	135	10	0.18	<1	7	12	30	1.89	<10	0.14	123	<1	<0.01	10	1160	14	<5	<20	11	0.09	<10	48	<10	2	28
10	L 3+00N 5+00W	<0.2	0.97	<5	85	5	0.28	<1	4	6	16	1.27	<10	0.07	47	<1	<0.01	2	110	8	<5	<20	11	0.05	<10	25	<10	<1	8
11	L 3+50N 2+50W	<0.2	1.66	<5	140	<5	0.18	<1	6	10	32	1.97	<10	0.14	110	<1	<0.01	8	1060	12	<5	<20	10	0.07	<10	53	<10	1	26
12	L 3+50N 3+00W	<0.2	0.84	<5	65	10	0.19	<1	5	9	18	1.76	<10	0.09	85	<1	<0.01	4	220	6	<5	<20	11	0.05	<10	55	<10	<1	13
13	L 3+50N 3+50W	<0.2	1.53	<5	135	5	0.18	<1	5	9	48	1.57	<10	0.12	119	<1	<0.01	8	600	12	<5	<20	13	0.07	<10	37	<10	1	23
14	L 3+50N 4+00W	<0.2	1.50	<5	80	5	0.16	<1	6	11	28	2.02	<10	0.11	147	<1	<0.01	6	670	12	<5	<20	9	0.07	<10	60	<10	<1	22
15	L 3+50N 4+50W	<0.2	1.15	<5	120	<5	0.20	<1	5	9	18	1.70	<10	0.09	119	<1	<0.01	5	980	8	<5	<20	11	0.06	<10	45	<10	1	17
16	L 3+50N 5+00W	<0.2	0.83	<5	95	5	0.33	<1	4	7	27	1.51	<10	0.10	62	<1	<0.01	3	70	6	<5	<20	12	0.05	<10	33	<10	1	7
17	BL 4+00N	<0.2	0.81	<5	60	10	0.22	<1	6	9	14	1.72	<10	0.12	113	<1	<0.01	4	270	8	<5	<20	12	0.07	<10	55	<10	1	24
18	L 4+00N 0+50E	<0.2	0.65	<5	60	15	0.31	<1	7	11	19	1.91	<10	0.14	287	<1	<0.01	4	150	6	<5	<20	20	0.09	<10	65	<10	1	22
19	L 4+00N 1+00E	<0.2	2.31	10	245	<5	0.16	<1	6	10	90	1.56	<10	0.17	373	<1	<0.01	12	2440	18	<5	<20	12	0.08	<10	28	<10	10	105
20	L 4+00N 1+50E	<0.2	2.81	5	135	<5	0.15	<1	8	11	26	1.89	<10	0.16	194	<1	<0.01	11	1580	20	<5	<20	11	0.12	<10	43	<10	7	52
21	L 4+00N 2+00E	<0.2	2.05	<5	105	5	0.14	<1	7	8	16	1.52	<10	0.13	325	<1	<0.01	8	1060	14	<5	<20	11	0.09	<10	35	<10	2	59
22	L 4+00N 2+50E	<0.2	2.01	<5	140	<5	0.66	<1	12	8	111	2.42	<10	0.58	467	<1	<0.01	8	320	14	<5	<20	79	0.10	<10	69	<10	2	49
23	L 4+00N 3+00E	<0.2	1.02	<5	85	<5	0.54	<1	10	13	113	2.12	<10	0.37	341	<1	<0.01	7	620	6	<5	<20	33	0.07	<10	69	<10	6	21
24	L 4+00N 3+50E	<0.2	2.01	<5	100	5	0.14	<1	7	9	19	1.72	<10	0.11	379	<1	<0.01	8	1680	16	<5	<20	7	0.09	<10	41	<10	2	48
25	L 4+00N 4+00E	<0.2	1.56	<5	80	10	0.20	<1	8	9	21	1.80	<10	0.17	402	<1	<0.01	6	1440	12	<5	<20	15	0.10	<10	49	<10	1	65

Et #	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	L 4+00N 4+50E	<0.2	0.81	<5	55	10	0.18	<1	5	9	22	1.52	<10	0.11	68	<1	<0.01	4	440	8	<5	<20	9	0.07	<10	50	<10	<1	18
27	L 4+00N 5+00E	<0.2	1.66	<5	90	10	0.21	<1	8	12	40	2.12	<10	0.15	144	<1	<0.01	11	2030	12	<5	<20	11	0.09	<10	59	<10	<1	30
28	L 4+00N 0+50W	<0.2	1.73	<5	125	10	0.11	<1	5	8	25	1.50	<10	0.08	63	<1	<0.01	7	2180	14	<5	<20	8	0.08	<10	31	<10	2	41
29	L 4+00N 1+00W	<0.2	2.31	10	120	5	0.13	<1	7	9	24	1.70	<10	0.12	275	<1	<0.01	10	1450	18	<5	<20	8	0.10	<10	38	<10	4	47
30	L 4+00N 1+50W	<0.2	1.42	<5	75	10	0.18	<1	7	10	17	1.98	<10	0.11	571	<1	<0.01	7	1300	12	<5	<20	7	0.08	<10	56	<10	<1	48
31	L 4+00N 2+00W	<0.2	2.72	10	115	10	0.15	<1	9	12	51	2.20	<10	0.14	391	<1	<0.01	13	2240	20	<5	<20	6	0.12	<10	53	<10	3	46
32	L 4+00N 2+50W	<0.2	1.00	<5	55	5	0.18	<1	5	9	27	1.87	<10	0.11	87	<1	<0.01	5	510	6	<5	<20	8	0.05	<10	57	<10	<1	14
33	L 4+00N 3+00W	<0.2	1.42	<5	90	<5	0.16	<1	6	10	35	2.01	<10	0.13	131	<1	<0.01	7	700	10	<5	<20	10	0.06	<10	57	<10	<1	21
34	L 4+00N 3+50W	<0.2	1.01	<5	70	10	0.20	<1	6	10	32	2.01	<10	0.16	305	<1	<0.01	5	520	6	<5	<20	9	0.06	<10	64	<10	<1	22
35	L 4+00N 4+00W	<0.2	1.38	<5	85	5	0.20	<1	6	9	19	1.78	<10	0.14	377	<1	<0.01	7	480	10	<5	<20	10	0.07	<10	51	<10	<1	31
36	L 4+00N 4+50W	<0.2	1.23	<5	90	5	0.17	<1	6	8	17	1.65	<10	0.10	145	<1	<0.01	6	1330	12	<5	<20	11	0.06	<10	42	<10	<1	31
37	L 4+00N 5+00W	<0.2	1.30	<5	120	10	0.17	<1	7	10	16	1.73	<10	0.10	105	<1	<0.01	8	1740	14	<5	<20	11	0.07	<10	42	<10	<1	25
38	BL 4+50N	<0.2	1.26	5	90	15	0.22	<1	8	12	26	2.26	<10	0.18	168	<1	<0.01	8	490	12	<5	<20	11	0.08	<10	69	<10	<1	37
39	L 4+50N 0+50W	<0.2	1.74	5	100	10	0.18	<1	8	10	30	1.95	<10	0.17	167	<1	<0.01	8	1090	16	<5	<20	10	0.09	<10	51	<10	2	58
40	L 4+50N 1+00W	<0.2	1.84	5	110	5	0.17	<1	9	15	55	2.79	<10	0.21	324	<1	<0.01	9	970	18	<5	<20	14	0.09	<10	83	<10	<1	41
41	L 4+50N 1+50W	<0.2	1.70	<5	95	10	0.19	<1	7	11	39	2.16	<10	0.15	93	<1	<0.01	8	2230	16	<5	<20	11	0.07	<10	58	<10	<1	32
42	L 4+50N 2+00W	<0.2	1.83	<5	95	10	0.17	<1	7	10	19	1.77	<10	0.11	366	<1	<0.01	10	1530	18	<5	<20	7	0.09	<10	43	<10	<1	58
43	L 4+50N 2+50W	<0.2	1.25	<5	65	5	0.16	<1	6	9	21	1.90	<10	0.14	362	<1	<0.01	8	820	12	<5	<20	7	0.07	<10	54	<10	<1	40
44	L 4+50N 3+00W	<0.2	1.85	10	95	10	0.19	<1	7	11	28	1.97	<10	0.13	168	<1	<0.01	8	1090	18	<5	<20	6	0.08	<10	52	<10	4	31
45	L 4+50N 3+50W	<0.2	1.18	<5	70	10	0.15	<1	6	11	15	2.01	<10	0.10	470	<1	<0.01	6	560	12	<5	<20	6	0.06	<10	60	<10	<1	40
46	L 4+50N 4+00W	<0.2	1.32	<5	90	5	0.16	<1	5	8	21	1.70	<10	0.09	131	<1	<0.01	5	880	14	<5	<20	7	0.06	<10	42	<10	<1	16
47	L 4+50N 4+50W	<0.2	1.13	5	95	5	0.14	<1	5	7	25	1.47	<10	0.09	157	<1	<0.01	5	660	12	<5	<20	6	0.06	<10	39	<10	<1	26
48	L 4+50N 5+00W	<0.2	0.98	<5	65	5	0.15	<1	5	9	21	1.69	<10	0.10	160	<1	<0.01	5	570	10	<5	<20	8	0.05	<10	50	<10	<1	20
49	L 4+50N 0+50E	<0.2	0.96	<5	100	5	0.14	<1	6	9	9	1.59	<10	0.12	799	<1	<0.01	8	670	10	<5	<20	7	0.08	<10	46	<10	<1	97
50	L 4+50N 1+00E	<0.2	0.67	<5	65	10	0.25	<1	7	13	15	2.17	<10	0.13	262	<1	<0.01	4	120	8	<5	<20	16	0.08	<10	75	<10	1	20
51	L 4+50N 1+50E	<0.2	0.97	<5	80	10	0.27	<1	7	16	14	2.03	<10	0.17	92	<1	<0.01	6	260	10	<5	<20	22	0.09	<10	65	<10	1	20
52	L 4+50N 1+95E	<0.2	3.39	10	120	5	0.18	<1	9	10	68	2.02	<10	0.19	133	<1	0.01	11	2720	34	<5	<20	12	0.15	<10	44	<10	11	56
53	L 4+50N 2+50E	<0.2	1.94	5	155	10	0.59	<1	12	14	75	2.72	<10	0.49	331	<1	<0.01	10	850	18	10	<20	60	0.11	<10	80	<10	2	41
54	L 4+50N 3+00E	<0.2	1.83	<5	100	10	0.16	<1	7	10	22	1.70	<10	0.13	461	<1	<0.01	10	2010	18	<5	<20	6	0.09	<10	40	<10	1	62
55	L 4+50N 3+50E	<0.2	1.73	<5	125	<5	0.28	<1	9	14	58	2.32	<10	0.25	332	<1	<0.01	10	1110	18	<5	<20	21	0.10	<10	65	<10	2	46
56	L 4+50N 4+00E	<0.2	2.56	10	120	10	0.17	<1	9	8	19	1.70	<10	0.13	647	<1	<0.01	8	2450	26	<5	<20	10	0.13	<10	35	<10	2	67
57	L 4+50N 4+50E	<0.2	0.57	<5	40	5	0.25	<1	4	7	29	1.11	<10	0.10	78	<1	<0.01	2	240	8	<5	<20	12	0.07	<10	34	<10	<1	12
58	L 4+50N 5+00E	<0.2	0.72	<5	75	<5	0.31	<1	7	14	67	2.57	<10	0.16	110	<1	<0.01	4	370	6	<5	<20	18	0.07	<10	91	<10	1	13
59	BL 5+00N	<0.2	1.14	<5	75	10	0.22	<1	7	13	27	2.34	<10	0.15	174	<1	<0.01	6	350	10	<5	<20	14	0.08	<10	75	<10	<1	28
60	L 5+00N 0+50E	<0.2	1.67	5	125	10	0.19	<1	7	10	28	1.72	<10	0.16	337	<1	<0.01	10	1530	16	<5	<20	10	0.09	<10	42	<10	1	74

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	L 5+00N 1+00E	<0.2	1.35	<5	130	5	0.24	<1	8	15	32	2.25	<10	0.20	356	<1	<0.01	10	710	14	<5	<20	12	0.09	<10	64	<10	<1	44
62	L 5+00N 1+50E	<0.2	2.30	5	135	10	0.25	<1	8	10	26	1.70	<10	0.14	665	<1	0.01	11	2640	22	<5	<20	11	0.10	<10	35	<10	5	80
63	L 5+00N 1+95E	<0.2	1.78	<5	110	10	0.21	<1	9	15	38	2.62	<10	0.24	262	<1	<0.01	11	600	16	<5	<20	17	0.09	<10	78	<10	<1	49
64	L 5+00N 2+50E	<0.2	1.57	<5	150	10	0.81	<1	9	9	30	2.08	<10	0.41	284	<1	0.01	6	110	12	5	<20	179	0.06	<10	66	<10	<1	27
65	L 5+00N 3+00E	<0.2	2.08	<5	110	10	0.21	<1	8	10	22	1.86	<10	0.20	174	<1	<0.01	10	2200	24	<5	<20	20	0.11	<10	41	<10	1	59
66	L 5+00N 3+50E	<0.2	2.10	5	130	10	0.19	<1	9	14	47	2.28	<10	0.20	193	<1	<0.01	11	1250	22	<5	<20	11	0.10	<10	60	<10	3	47
67	L 5+00N 4+00E	<0.2	2.19	<5	125	10	0.13	<1	7	10	19	1.66	<10	0.11	794	<1	<0.01	11	2180	22	<5	<20	8	0.10	<10	37	<10	2	63
68	L 5+00N 4+50E	<0.2	2.06	<5	200	5	0.30	<1	10	14	77	2.51	<10	0.36	189	<1	<0.01	11	1110	20	<5	<20	26	0.11	<10	71	<10	1	40
69	L 5+00N 5+00E	<0.2	2.90	10	200	<5	0.77	<1	10	17	257	2.66	10	0.32	468	<1	0.02	13	290	28	5	<20	52	0.13	<10	64	<10	22	25
70	L 5+00N 0+50W	<0.2	1.24	<5	70	<5	0.18	<1	7	10	26	2.04	<10	0.13	154	<1	<0.01	8	730	12	<5	<20	10	0.07	<10	61	<10	<1	30
71	L 5+00N 1+00W	<0.2	1.99	<5	110	10	0.15	<1	8	10	30	1.90	<10	0.13	192	<1	<0.01	9	1680	20	<5	<20	14	0.09	<10	44	<10	2	45
72	L 5+00N 1+50W	<0.2	4.04	15	170	<5	0.21	<1	7	15	148	2.18	<10	0.21	193	<1	0.01	14	2940	36	<5	<20	14	0.12	<10	44	<10	7	71
73	L 5+00N 2+00W	<0.2	2.35	10	100	10	0.19	<1	8	11	22	2.10	<10	0.15	466	<1	<0.01	12	1660	22	<5	<20	7	0.11	<10	51	<10	2	79
74	L 5+00N 2+50W	<0.2	2.50	10	125	5	0.21	<1	8	13	39	2.27	<10	0.16	171	<1	<0.01	10	2160	24	<5	<20	11	0.10	<10	55	<10	3	50
75	L 5+00N 3+00W	<0.2	0.94	<5	75	10	0.26	<1	4	8	41	1.13	<10	0.11	79	<1	0.01	2	80	10	<5	<20	16	0.07	<10	26	<10	3	10
76	L 5+00N 3+50W	<0.2	1.24	<5	70	5	0.15	<1	6	10	24	2.28	<10	0.10	249	<1	<0.01	6	620	12	<5	<20	7	0.06	<10	68	<10	<1	24
77	L 5+00N 4+00W	<0.2	1.41	<5	90	10	0.15	<1	6	10	20	1.89	<10	0.10	132	<1	<0.01	7	890	14	<5	<20	6	0.07	<10	52	<10	<1	30
78	L 5+00N 4+50W	<0.2	1.49	5	85	5	0.14	<1	6	9	25	1.97	<10	0.10	121	<1	<0.01	6	820	14	<5	<20	7	0.07	<10	54	<10	2	26
79	L 5+00N 5+00W	<0.2	1.33	10	100	5	0.16	<1	5	7	20	1.64	<10	0.12	185	<1	<0.01	4	460	12	<5	<20	9	0.06	<10	42	<10	<1	25
80	BL 5+50N	<0.2	1.07	<5	80	5	0.24	<1	6	11	19	1.97	<10	0.15	133	<1	<0.01	5	310	10	<5	<20	15	0.08	<10	58	<10	<1	20
81	L 5+50N 0+50W	<0.2	1.55	<5	95	10	0.20	<1	8	11	40	2.03	<10	0.20	196	<1	<0.01	7	670	16	<5	<20	11	0.08	<10	58	<10	<1	38
82	L 5+50N 1+00W	<0.2	1.27	<5	75	10	0.21	<1	7	9	26	1.97	<10	0.18	186	<1	<0.01	8	510	12	<5	<20	11	0.07	<10	57	<10	<1	33
83	L 5+50N 1+50W	<0.2	1.43	<5	120	5	0.24	<1	9	17	66	3.17	<10	0.20	145	<1	<0.01	9	900	16	<5	<20	12	0.07	<10	100	<10	<1	32
84	L 5+50N 2+00W	<0.2	3.00	10	130	<5	0.18	<1	8	13	83	2.40	<10	0.17	131	<1	<0.01	11	2950	30	<5	<20	12	0.10	<10	57	<10	3	50
85	L 5+50N 2+50W	<0.2	1.74	<5	95	15	0.17	<1	7	12	34	2.02	<10	0.13	180	<1	<0.01	8	1900	18	<5	<20	10	0.08	<10	51	<10	1	45
86	L 5+50N 3+00W	<0.2	1.74	<5	90	5	0.19	<1	7	10	24	1.76	<10	0.14	777	<1	<0.01	10	1470	18	<5	<20	7	0.09	<10	43	<10	2	72
87	L 5+50N 3+50W	<0.2	1.21	<5	70	10	0.16	<1	6	9	20	1.92	<10	0.10	244	<1	<0.01	6	670	12	<5	<20	3	0.06	<10	54	<10	<1	27
88	L 5+50N 4+00W	<0.2	1.93	5	90	10	0.15	<1	7	9	18	1.64	<10	0.10	275	<1	<0.01	8	1420	22	<5	<20	9	0.08	<10	38	<10	2	42
89	L 5+50N 4+50W	<0.2	1.74	<5	115	5	0.14	<1	7	9	24	1.67	<10	0.13	330	<1	<0.01	8	710	18	<5	<20	7	0.08	<10	41	<10	2	35
90	L 5+50N 0+50E	<0.2	0.98	5	65	<5	0.29	<1	7	13	59	1.91	<10	0.21	155	<1	<0.01	7	220	12	<5	<20	14	0.10	<10	60	<10	4	36
91	L 5+50N 1+00E	<0.2	1.73	<5	165	10	0.24	<1	8	12	58	2.08	<10	0.22	285	<1	<0.01	10	790	18	<5	<20	16	0.09	<10	55	<10	1	49
92	L 5+50N 1+50E	<0.2	1.22	<5	105	15	0.25	<1	7	14	18	1.88	<10	0.21	247	<1	<0.01	8	710	12	<5	<20	15	0.09	<10	54	<10	<1	38
93	L 5+50N 1+95E	<0.2	1.48	5	100	<5	0.62	<1	9	15	366	2.63	<10	0.31	287	<1	0.01	9	1320	14	<5	<20	49	0.05	<10	85	<10	5	36
94	L 5+50N 2+50E	<0.2	2.13	10	80	10	0.14	<1	8	6	23	1.55	<10	0.12	170	<1	<0.01	6	3370	22	<5	<20	6	0.12	<10	31	<10	3	60
95	L 5+50N 3+00E	<0.2	1.65	<5	120	10	0.60	<1	10	13	64	2.61	<10	0.38	269	<1	0.01	8	760	16	5	<20	88	0.07	<10	80	<10	<1	33

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
96	L 5+50N 3+50E	<0.2	1.95	10	110	5	0.24	<1	9	13	85	2.21	<10	0.21	377	<1	<0.01	11	1570	22	<5	<20	5	0.10	<10	57	<10	1	66
97	L 5+50N 4+00E	<0.2	1.42	5	105	10	0.21	<1	8	11	24	1.96	<10	0.16	276	<1	<0.01	8	1030	16	<5	<20	9	0.09	<10	54	<10	<1	54
98	L 5+50N 4+50E	<0.2	2.10	<5	100	10	0.18	<1	8	10	27	1.66	<10	0.11	84	<1	<0.01	10	1450	22	<5	<20	8	0.09	<10	34	<10	<1	28
99	L 5+50N 5+00E	<0.2	1.94	<5	70	10	0.17	<1	8	9	21	1.77	<10	0.12	147	<1	<0.01	8	2040	22	<5	<20	6	0.10	<10	40	<10	<1	49
QC DATA:																													
Repeat:																													
1	L 3+00N 0+50W	<0.2	0.79	<5	100	10	0.21	<1	5	8	8	1.42	<10	0.12	485	<1	<0.01	5	200	6	<5	<20	12	0.08	<10	45	<10	<1	48
10	L 3+00N 5+00W	<0.2	0.93	<5	80	5	0.26	<1	4	6	16	1.29	<10	0.07	45	<1	<0.01	1	100	8	<5	<20	10	0.05	<10	26	<10	<1	8
19	L 4+00N 1+00E	<0.2	2.55	10	270	<5	0.17	<1	7	11	99	1.68	<10	0.19	409	<1	<0.01	14	2680	18	<5	<20	14	0.09	<10	30	<10	11	112
28	L 4+00N 0+50W	<0.2	1.77	5	125	5	0.11	<1	5	8	25	1.55	<10	0.08	64	<1	<0.01	6	2260	16	<5	<20	7	0.08	<10	33	<10	<1	42
36	L 4+00N 4+50W	<0.2	1.23	<5	85	10	0.17	<1	6	8	17	1.67	<10	0.10	144	<1	<0.01	6	1300	10	<5	<20	6	0.06	<10	43	<10	<1	31
45	L 4+50N 3+50W	<0.2	1.18	<5	70	5	0.15	<1	6	11	15	1.98	<10	0.10	471	<1	<0.01	6	540	14	<5	<20	8	0.07	<10	59	<10	<1	41
54	L 4+50N 3+00E	<0.2	1.86	10	105	5	0.17	<1	7	10	23	1.70	<10	0.13	472	<1	<0.01	10	2010	20	<5	<20	10	0.09	<10	40	<10	<1	63
63	L 5+00N 1+95E	<0.2	1.77	<5	105	10	0.22	<1	9	15	38	2.66	<10	0.23	255	<1	<0.01	9	610	18	<5	<20	17	0.09	<10	79	<10	<1	49
71	L 5+00N 1+00W	<0.2	1.96	10	100	10	0.15	<1	7	9	29	1.88	<10	0.13	190	<1	<0.01	9	1670	20	<5	<20	7	0.09	<10	44	<10	1	45
80	BL 5+50N	<0.2	1.07	<5	80	10	0.23	<1	6	12	18	2.02	<10	0.15	139	<1	<0.01	5	300	12	<5	<20	15	0.08	<10	60	<10	<1	20
89	L 5+50N 4+50W	<0.2	1.75	10	115	5	0.15	<1	7	9	25	1.72	<10	0.13	333	<1	<0.01	8	700	20	<5	<20	7	0.09	<10	43	<10	1	37
Standard:																													
GEO'00		1.0	1.76	60	155	5	1.58	<1	19	57	89	3.58	<10	0.93	677	<1	0.01	24	730	20	10	<20	58	0.10	<10	74	<10	10	71
GEO'00		0.8	1.72	70	155	10	1.55	<1	20	57	82	3.62	<10	0.90	676	<1	0.02	25	740	24	<5	<20	56	0.10	<10	74	<10	11	76
GEO'00		0.8	1.75	70	160	5	1.57	<1	20	59	82	3.66	<10	0.90	684	<1	0.02	26	760	22	10	<20	57	0.11	<10	74	<10	8	77

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

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XLS/00

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27-Jul-00

ECO-TECH LABORATORIES LTD.
10041 Dallas Drive
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ICP CERTIFICATE OF ANALYSIS AK 2000-153

BRIAN MALAHOFF
8568 SELKIRK STREET
VANCOUVER, BC
V6P 4H9

ATTENTION: Brian Malahoff

No. of samples received: 122
Sample type: Soil
Project #: None Given
Shipment #: None Given
Samples submitted by: B. Malahoff

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L6+00N 0+50W	<0.2	1.25	<5	85	10	0.18	<1	6	10	14	1.84	<10	0.14	265	<1	<0.01	8	390	12	<5	<20	11	0.08	<10	55	<10	<1	42
2	L6+00N 1+00W	<0.2	0.83	<5	65	5	0.21	<1	6	7	10	1.50	<10	0.13	239	<1	<0.01	4	150	8	<5	<20	14	0.07	<10	48	<10	<1	22
3	L6+00N 1+50W	<0.2	1.38	<5	115	<5	0.31	<1	6	17	83	1.44	<10	0.26	129	<1	0.01	9	340	14	<5	<20	21	0.11	<10	46	<10	9	31
4	L6+00N 2+00W	<0.2	1.80	<5	95	5	0.17	<1	7	12	53	2.42	<10	0.17	132	<1	<0.01	8	990	12	<5	<20	9	0.08	<10	71	<10	<1	31
5	L6+00N 2+50W	<0.2	1.96	<5	75	<5	0.14	<1	8	9	23	1.75	<10	0.14	262	<1	0.01	10	1380	16	<5	<20	5	0.10	<10	44	<10	1	71
6	L6+00N 3+50W	<0.2	1.61	<5	80	<5	0.18	<1	8	13	57	2.65	<10	0.20	223	<1	<0.01	9	840	10	<5	<20	6	0.07	<10	81	<10	<1	32
7	L6+00N 4+00W	<0.2	1.66	<5	95	10	0.16	<1	6	9	19	1.64	<10	0.10	114	<1	<0.01	8	880	14	<5	<20	5	0.08	<10	41	<10	<1	19
8	L6+00N 4+50W	<0.2	1.82	<5	75	<5	0.13	<1	6	10	23	2.04	<10	0.12	161	<1	<0.01	8	1030	14	<5	<20	5	0.07	<10	57	<10	1	29
9	L6+00N 5+00W	<0.2	1.01	<5	70	<5	0.17	<1	5	8	33	2.01	<10	0.10	181	<1	<0.01	5	800	6	<5	<20	4	0.04	<10	61	<10	<1	21
10	BL 6+00N	<0.2	1.21	<5	70	<5	0.26	<1	8	14	105	2.54	<10	0.22	162	<1	<0.01	8	940	10	<5	<20	15	0.07	<10	83	<10	<1	32
11	L6+00N 0+50E	<0.2	1.50	<5	90	<5	0.22	<1	7	11	35	2.05	<10	0.21	164	<1	<0.01	12	710	10	<5	<20	10	0.08	<10	60	<10	<1	36
12	L6+00N 1+00E	<0.2	0.77	<5	75	<5	0.26	<1	6	10	10	1.88	<10	0.14	354	<1	<0.01	4	180	6	<5	<20	14	0.08	<10	62	<10	<1	27
13	L6+00N 1+50E	<0.2	1.78	<5	130	5	0.22	<1	8	14	42	2.20	<10	0.25	297	<1	<0.01	12	1100	12	<5	<20	14	0.09	<10	61	<10	<1	43
14	L6+00N 2+00E	<0.2	1.55	<5	95	10	0.21	<1	7	13	29	2.29	<10	0.16	202	<1	<0.01	8	1510	12	<5	<20	9	0.06	<10	72	<10	<1	32
15	L6+00N 2+50E	<0.2	1.02	<5	75	5	0.37	<1	10	27	17	2.12	<10	0.40	253	<1	<0.01	11	390	8	<5	<20	21	0.12	<10	64	<10	2	25
16	L6+00N 3+00E	<0.2	1.41	<5	170	<5	0.41	<1	6	6	17	1.60	<10	0.23	153	<1	0.01	6	660	10	<5	<20	107	0.07	<10	45	<10	<1	26
17	L6+00N 3+50E	<0.2	1.91	<5	145	5	0.32	<1	8	9	30	2.23	<10	0.31	216	<1	<0.01	9	860	14	<5	<20	55	0.09	<10	62	<10	<1	33
18	L6+00N 4+00E	<0.2	1.00	<5	80	5	0.32	<1	7	11	23	2.32	<10	0.19	144	<1	<0.01	7	460	8	<5	<20	20	0.07	<10	76	<10	<1	20
19	L6+00N 4+50E	<0.2	1.58	<5	90	10	0.25	1	8	13	33	2.26	<10	0.20	118	<1	<0.01	9	1300	12	<5	<20	13	0.08	<10	63	<10	<1	36
20	L6+50N 0+50W	<0.2	1.83	<5	110	5	0.18	<1	8	12	30	2.18	<10	0.18	143	<1	<0.01	11	1030	14	<5	<20	11	0.09	<10	62	<10	<1	43
21	L6+50N 1+00W	<0.2	0.74	<5	60	10	0.22	<1	6	10	15	2.00	<10	0.12	111	<1	<0.01	5	300	4	<5	<20	13	0.06	<10	66	<10	<1	17
22	L6+50N 1+50W	<0.2	1.21	<5	80	10	0.16	<1	6	9	10	1.63	<10	0.12	193	<1	<0.01	7	1070	10	<5	<20	8	0.07	<10	46	<10	<1	48
23	L6+50N 2+00W	<0.2	1.30	<5	90	5	0.18	<1	7	10	34	2.40	<10	0.17	209	<1	<0.01	7	260	10	<5	<20	10	0.07	<10	78	<10	<1	24
24	L6+50N 2+50W	<0.2	1.42	<5	85	5	0.24	<1	7	11	38	2.60	<10	0.19	227	<1	<0.01	8	970	8	<5	<20	12	0.05	<10	80	<10	<1	48
25	L6+50N 3+00W	<0.2	2.05	<5	80	5	0.17	<1	8	11	28	2.12	<10	0.17	474	<1	<0.01	11	1530	16	<5	<20	7	0.09	<10	55	<10	<1	62

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	L6+50N 3+50W	<0.2	1.38	<5	60	5	0.15	<1	7	9	30	2.04	<10	0.13	344	<1	<0.01	8	1490	10	<5	<20	3	0.07	<10	58	<10	<1	51
27	L6+50N 4+00W	<0.2	1.77	<5	80	10	0.17	<1	7	11	37	2.17	<10	0.16	115	<1	<0.01	9	1740	12	<5	<20	8	0.07	<10	59	<10	<1	35
28	L6+50N 4+50W	<0.2	1.43	<5	75	5	0.13	<1	6	9	22	1.99	<10	0.12	151	<1	<0.01	6	550	10	<5	<20	4	0.06	<10	58	<10	<1	24
29	L6+50N 5+00W	<0.2	1.18	<5	65	<5	0.19	<1	6	10	29	2.27	<10	0.13	193	<1	<0.01	11	1030	6	<5	<20	8	0.05	<10	69	<10	<1	24
30	BL 6+50N	<0.2	1.25	<5	90	10	0.21	<1	7	10	30	1.90	<10	0.18	251	<1	<0.01	9	900	10	<5	<20	10	0.08	<10	55	<10	<1	32
31	L6+50N 0+50E	<0.2	1.24	<5	95	5	0.22	<1	7	12	33	2.20	<10	0.19	174	<1	<0.01	8	640	8	<5	<20	11	0.07	<10	68	<10	<1	31
32	L6+50N 1+00E	<0.2	0.80	<5	70	10	0.27	<1	7	11	16	2.06	<10	0.16	109	<1	<0.01	5	220	6	<5	<20	16	0.09	<10	67	<10	<1	22
33	L6+50N 1+50E	<0.2	1.09	<5	105	10	0.28	<1	7	11	21	1.92	<10	0.19	213	<1	<0.01	6	810	8	<5	<20	14	0.08	<10	58	<10	<1	30
34	L6+50N 2+00E	<0.2	1.52	<5	130	<5	0.29	<1	8	14	56	2.20	<10	0.28	167	<1	<0.01	10	660	10	<5	<20	18	0.09	<10	66	<10	3	30
35	L6+50N 2+50E	<0.2	1.14	<5	95	5	0.38	<1	10	25	23	2.38	<10	0.41	162	<1	<0.01	10	630	8	<5	<20	25	0.12	<10	71	<10	<1	26
36	L6+50N 3+00E	<0.2	2.45	<5	130	<5	0.18	<1	8	9	55	1.70	<10	0.14	324	<1	0.01	11	2420	20	<5	<20	15	0.11	<10	33	<10	3	47
37	L6+50N 3+50E	<0.2	1.13	<5	160	10	0.44	<1	6	10	12	2.27	<10	0.23	126	<1	<0.01	6	310	8	<5	<20	159	0.07	<10	76	<10	<1	19
38	L6+50N 4+00E	<0.2	3.15	15	140	10	0.21	<1	8	10	47	1.94	<10	0.19	170	<1	0.01	11	3190	24	<5	<20	13	0.13	<10	40	<10	6	38
39	L6+50N 4+50E	<0.2	3.18	<5	155	5	0.24	<1	9	11	86	2.17	<10	0.23	185	<1	0.01	11	2350	24	<5	<20	11	0.09	<10	43	<10	<1	50
40	L6+50N 5+00E	<0.2	0.99	<5	45	<5	0.40	<1	4	8	27	1.42	<10	0.13	120	<1	<0.01	3	100	8	<5	<20	17	0.06	<10	26	<10	<1	10
41	L7+00N 0+50W	<0.2	2.03	5	130	5	0.19	<1	8	12	23	2.13	<10	0.17	268	<1	<0.01	13	1260	16	<5	<20	12	0.10	<10	57	<10	<1	44
42	L7+00N 1+00W	<0.2	1.95	<5	130	10	0.22	<1	8	12	25	2.11	<10	0.18	163	<1	<0.01	11	1850	14	<5	<20	11	0.09	<10	53	<10	1	48
43	L7+00N 1+50W	<0.2	1.92	<5	155	<5	0.19	<1	7	9	80	1.72	<10	0.17	230	<1	0.01	11	940	16	<5	<20	9	0.10	<10	43	<10	<1	48
44	L7+00N 2+00W	<0.2	1.96	<5	120	<5	0.18	<1	8	11	33	1.96	<10	0.16	239	<1	<0.01	11	1230	14	<5	<20	12	0.09	<10	52	<10	1	35
45	L7+00N 2+50W	<0.2	3.51	5	125	<5	0.13	<1	8	11	78	2.19	<10	0.15	196	<1	0.01	14	3130	28	<5	<20	6	0.12	<10	47	<10	7	61
46	L7+00N 3+00W	<0.2	0.94	<5	75	5	0.27	<1	6	9	26	1.60	<10	0.14	70	<1	<0.01	3	350	8	<5	<20	14	0.08	<10	48	<10	3	15
47	L7+00N 3+50W	<0.2	1.85	<5	205	5	0.19	<1	6	8	43	1.48	<10	0.09	45	<1	0.01	7	420	18	<5	<20	17	0.08	<10	30	<10	<1	16
48	L7+00N 4+00W	<0.2	1.79	<5	100	10	0.19	<1	7	12	26	2.35	<10	0.14	123	<1	<0.01	8	2140	14	<5	<20	6	0.08	<10	64	<10	<1	36
49	L7+00N 4+50W	<0.2	2.43	<5	125	10	0.14	<1	7	11	23	1.84	<10	0.13	166	<1	0.01	12	1600	18	<5	<20	<1	0.10	<10	42	<10	4	42
50	L7+00N 5+00W	<0.2	1.93	<5	95	15	0.14	<1	7	11	24	2.16	<10	0.14	259	<1	<0.01	9	810	14	<5	<20	5	0.08	<10	59	<10	1	32
51	BL 7+00N	<0.2	1.73	<5	115	<5	0.22	<1	8	12	32	2.09	<10	0.21	229	<1	<0.01	12	1840	14	<5	<20	15	0.09	<10	54	<10	<1	44
52	L7+00N 0+50E	<0.2	1.96	<5	140	10	0.22	<1	8	11	37	2.03	<10	0.23	310	<1	<0.01	12	990	14	<5	<20	9	0.10	<10	55	<10	<1	63
53	L7+00N 1+00E	<0.2	1.21	<5	80	10	0.23	<1	7	9	25	1.95	<10	0.17	237	<1	<0.01	8	520	10	<5	<20	11	0.08	<10	58	<10	<1	40
54	L7+00N 1+50E	<0.2	0.51	<5	50	<5	0.43	<1	4	5	66	1.70	<10	0.14	143	<1	<0.01	3	600	2	<5	<20	20	0.04	<10	55	<10	2	11
55	L7+00N 2+00E	<0.2	1.57	<5	135	10	0.23	<1	7	12	34	2.02	<10	0.19	127	<1	<0.01	12	1760	12	<5	<20	14	0.09	<10	52	<10	<1	26
56	L7+00N 2+50E	<0.2	2.03	<5	375	<5	1.42	<1	12	18	182	5.04	<10	0.36	1955	7	0.01	11	1050	8	<5	<20	80	0.05	<10	73	<10	7	22
57	L7+00N 3+00E	<0.2	2.38	<5	110	10	0.21	<1	9	13	72	2.24	<10	0.22	241	<1	0.01	13	1200	16	<5	<20	10	0.11	<10	58	<10	2	53
58	L7+00N 3+50E	<0.2	2.27	<5	150	10	0.23	<1	8	9	30	1.85	<10	0.15	106	<1	0.01	11	1240	18	<5	<20	19	0.10	<10	39	<10	3	21
59	L7+00N 4+00E	<0.2	3.44	10	135	<5	0.16	<1	8	9	44	1.75	<10	0.14	554	<1	0.01	14	1750	26	<5	<20	11	0.13	<10	35	<10	5	58
60	L7+00N 4+50E	<0.2	1.23	<5	85	5	0.27	<1	7	11	39	2.04	<10	0.21	194	<1	<0.01	7	480	10	<5	<20	16	0.08	<10	60	<10	<1	27

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	L7+50N 0+50W	<0.2	2.19	<5	110	5	0.21	<1	8	11	33	2.03	<10	0.18	137	<1	0.01	12	1420	16	<5	<20	9	0.10	10	51	<10	2	50
62	L7+50N 1+00W	<0.2	1.30	<5	100	5	0.24	<1	7	12	29	2.13	<10	0.17	119	<1	<0.01	9	1010	8	<5	<20	10	0.07	<10	62	<10	<1	29
63	L7+50N 1+50W	<0.2	1.83	<5	170	<5	0.24	<1	7	12	48	2.17	<10	0.20	175	<1	<0.01	11	910	14	<5	<20	17	0.08	<10	57	<10	<1	38
64	L7+50N 2+00W	<0.2	2.04	<5	100	5	0.15	<1	8	13	28	2.65	<10	0.15	267	<1	<0.01	12	950	14	<5	<20	7	0.10	<10	76	<10	<1	47
65	L7+50N 2+50W	<0.2	2.84	<5	145	5	0.17	<1	7	9	37	1.74	<10	0.13	191	<1	0.01	13	2240	20	<5	<20	9	0.11	<10	35	<10	8	56
66	L7+50N 3+00W	<0.2	1.81	<5	110	<5	0.13	<1	7	7	15	1.58	<10	0.11	448	<1	0.01	9	760	16	<5	<20	3	0.10	<10	38	<10	2	56
67	L7+50N 3+50W	<0.2	1.96	<5	105	10	0.14	<1	7	9	19	1.78	<10	0.11	176	<1	<0.01	11	1430	16	<5	<20	5	0.09	<10	42	<10	1	44
68	L7+50N 4+00W	<0.2	1.18	<5	140	5	0.30	<1	8	12	28	2.44	<10	0.14	86	1	<0.01	7	910	8	<5	<20	14	0.06	<10	67	<10	<1	29
69	L7+50N 4+50W	<0.2	1.36	<5	80	5	0.15	<1	6	9	18	1.77	<10	0.14	123	<1	<0.01	8	540	10	<5	<20	5	0.06	10	49	<10	<1	22
70	L7+50N 5+00W	<0.2	1.18	<5	75	5	0.19	<1	6	10	29	2.24	<10	0.15	156	<1	<0.01	6	370	6	<5	<20	6	0.06	<10	72	<10	<1	18
71	BL 7+50N	<0.2	0.91	<5	60	10	0.24	<1	6	27	35	1.41	<10	0.27	139	<1	<0.01	10	170	6	5	<20	15	0.08	<10	44	<10	<1	22
72	L7+50N 0+50E	<0.2	1.82	<5	115	10	0.25	<1	7	9	41	1.73	<10	0.15	114	<1	0.01	10	1300	14	<5	<20	11	0.10	<10	42	<10	2	32
73	L7+50N 1+00E	<0.2	1.15	<5	65	<5	0.17	<1	6	7	14	1.62	<10	0.13	346	<1	<0.01	7	960	10	<5	<20	6	0.08	<10	46	<10	<1	49
74	L7+50N 1+50E	<0.2	0.67	<5	55	10	0.33	<1	6	11	19	1.92	<10	0.16	154	<1	<0.01	5	70	6	<5	<20	20	0.11	<10	67	<10	3	16
75	L7+50N 2+00E	<0.2	0.79	<5	75	10	0.29	<1	6	11	13	1.81	<10	0.13	128	<1	<0.01	4	140	6	<5	<20	18	0.09	<10	60	<10	2	14
76	L7+50N 2+45E	<0.2	1.46	<5	80	5	0.18	<1	7	12	30	2.11	<10	0.16	270	<1	<0.01	10	970	12	<5	<20	6	0.09	<10	61	<10	<1	52
77	L7+50N 3+00E	<0.2	2.97	<5	210	<5	0.83	<1	11	24	247	2.91	20	0.54	570	<1	0.02	15	440	18	5	<20	52	0.09	<10	70	<10	31	45
78	L7+50N 3+50E	<0.2	1.47	<5	115	10	0.26	<1	7	11	41	2.07	<10	0.20	147	<1	<0.01	8	1440	10	<5	<20	16	0.07	<10	56	<10	2	24
79	L7+50N 4+00E	<0.2	1.86	<5	100	<5	0.20	<1	8	9	23	1.89	<10	0.21	295	<1	<0.01	8	1420	16	<5	<20	14	0.09	<10	47	<10	<1	50
80	L7+50N 4+50E	<0.2	1.25	<5	125	5	0.48	<1	6	6	20	1.75	<10	0.35	120	<1	<0.01	3	200	8	<5	<20	126	0.06	<10	55	<10	<1	19
81	L7+50N 5+00E	<0.2	3.39	10	165	<5	0.13	<1	7	12	111	2.07	<10	0.14	222	<1	0.01	13	2750	26	<5	<20	8	0.11	<10	40	<10	6	60
82	L8+00N 0+50W	<0.2	2.27	<5	170	<5	0.20	<1	8	12	52	2.29	<10	0.17	190	<1	<0.01	13	2000	16	<5	<20	11	0.08	<10	55	<10	<1	31
83	L8+00N 1+00W	<0.2	1.39	<5	80	5	0.24	<1	7	15	32	2.53	<10	0.17	117	<1	<0.01	8	1040	8	<5	<20	12	0.07	<10	80	<10	<1	26
84	L8+00N 1+50W	<0.2	1.92	<5	95	10	0.17	<1	8	13	47	2.12	<10	0.17	123	<1	<0.01	13	1510	14	<5	<20	8	0.09	<10	56	<10	<1	60
85	L8+00N 2+00W	<0.2	0.79	<5	70	<5	0.25	<1	7	14	56	2.75	<10	0.17	103	<1	<0.01	6	160	4	<5	<20	14	0.06	<10	96	<10	<1	16
86	L8+00N 2+50W	<0.2	1.76	<5	105	<5	0.20	<1	8	12	67	2.24	<10	0.17	134	<1	<0.01	8	910	14	<5	<20	11	0.08	<10	64	<10	2	34
87	L8+00N 3+00W	<0.2	1.41	<5	70	10	0.17	<1	6	9	20	1.81	<10	0.12	194	<1	<0.01	7	890	10	<5	<20	4	0.07	10	49	<10	<1	36
88	L8+00N 3+50W	<0.2	1.14	<5	80	5	0.15	<1	5	7	21	1.76	<10	0.11	94	<1	<0.01	6	450	8	<5	<20	7	0.05	<10	51	<10	<1	20
89	L8+00N 4+00W	<0.2	1.16	<5	60	<5	0.15	<1	6	7	27	1.77	<10	0.16	153	<1	<0.01	6	640	8	<5	<20	7	0.07	<10	51	<10	<1	36
90	L8+00N 4+50W	<0.2	1.95	<5	120	<5	0.18	<1	8	11	40	2.31	<10	0.19	171	<1	<0.01	10	1810	14	<5	<20	8	0.09	<10	61	<10	<1	39
91	BL 8+00N	<0.2	2.52	<5	130	5	0.17	<1	8	10	25	1.90	<10	0.13	161	<1	0.01	16	2100	22	<5	<20	8	0.11	<10	41	<10	2	61
92	L8+00N 0+50E	<0.2	1.23	<5	100	5	0.25	<1	7	15	31	2.39	<10	0.21	179	<1	<0.01	7	660	8	<5	<20	16	0.08	30	75	<10	<1	32
93	L8+00N 1+00E	<0.2	1.42	<5	100	<5	0.23	<1	7	11	30	2.18	<10	0.19	398	<1	<0.01	10	600	14	<5	<20	10	0.08	<10	66	<10	<1	43
94	L8+00N 1+50E	<0.2	1.51	<5	135	5	0.26	<1	8	11	35	2.03	<10	0.23	330	<1	<0.01	9	990	12	<5	<20	11	0.09	<10	58	<10	<1	68
95	L8+00N 2+00E	<0.2	0.79	<5	85	10	0.37	<1	8	15	25	2.49	<10	0.18	110	<1	<0.01	5	160	6	<5	<20	20	0.12	<10	87	<10	3	17

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
96	L8+00N 2+50E	<0.2	0.88	<5	90	15	0.42	<1	9	17	32	2.47	<10	0.23	149	<1	<0.01	7	170	6	<5	<20	30	0.13	<10	87	<10	5	18
97	L8+00N 3+00E	<0.2	0.90	<5	115	5	0.54	<1	7	13	38	1.79	<10	0.24	260	<1	<0.01	6	570	8	<5	<20	41	0.07	<10	56	<10	4	20
98	L8+00N 3+50E	<0.2	1.69	<5	90	5	0.54	<1	5	9	56	1.73	<10	0.19	185	<1	0.01	4	390	14	<5	<20	34	0.07	<10	36	<10	3	37
99	L8+00N 4+00E	<0.2	2.66	<5	105	10	0.28	<1	9	12	54	2.41	<10	0.22	132	<1	<0.01	10	2490	20	<5	<20	19	0.11	<10	57	<10	<1	35
100	L8+00N 4+50E	<0.2	1.13	<5	80	<5	0.24	<1	6	7	21	1.54	<10	0.15	110	<1	<0.01	5	780	8	<5	<20	17	0.07	10	44	<10	<1	20
101	L8+00N 5+00E	<0.2	1.81	<5	100	<5	0.24	<1	10	14	69	2.62	<10	0.30	409	<1	<0.01	12	890	14	<5	<20	15	0.10	<10	79	<10	<1	51
102	L8+50N 0+50W	<0.2	1.50	<5	95	<5	0.20	<1	7	12	30	2.18	<10	0.17	127	<1	<0.01	10	940	12	<5	<20	7	0.08	<10	63	<10	<1	27
103	L8+50N 1+00W	<0.2	1.04	<5	70	<5	0.29	<1	6	13	62	2.14	<10	0.17	133	<1	<0.01	7	190	10	<5	<20	17	0.08	<10	69	<10	2	20
104	L8+50N 1+50W	<0.2	0.91	<5	85	10	0.36	<1	8	15	36	2.65	<10	0.21	108	<1	<0.01	7	700	6	<5	<20	24	0.09	<10	89	<10	2	15
105	L8+50N 2+00W	<0.2	2.58	<5	130	5	0.15	<1	8	11	39	2.07	<10	0.17	130	<1	0.01	13	1210	20	<5	<20	10	0.12	10	50	<10	6	38
106	L8+50N 2+50W	<0.2	1.84	<5	110	<5	0.16	<1	8	10	48	1.97	<10	0.14	541	<1	<0.01	11	950	16	<5	<20	12	0.09	<10	53	<10	<1	49
107	L8+50N 3+00W	<0.2	1.06	<5	85	<5	0.28	<1	5	8	42	1.36	<10	0.16	68	<1	0.01	6	320	8	<5	<20	16	0.07	10	34	<10	4	16
108	L8+50N 3+50W	<0.2	1.01	<5	65	5	0.16	<1	5	8	21	1.90	<10	0.10	272	<1	<0.01	6	710	10	<5	<20	9	0.05	<10	57	<10	<1	27
109	L8+50N 4+00W	<0.2	1.18	<5	105	5	0.27	<1	7	11	41	2.77	<10	0.12	104	1	<0.01	8	1680	8	<5	<20	12	0.06	<10	82	<10	<1	21
110	L8+50N 4+50W	<0.2	2.11	5	105	10	0.14	<1	7	9	30	1.87	<10	0.13	188	<1	<0.01	10	1090	16	<5	<20	6	0.09	<10	45	<10	3	30
111	L8+50N 5+00W	<0.2	1.59	<5	105	5	0.18	<1	8	13	44	2.81	<10	0.20	155	<1	<0.01	9	370	12	<5	<20	8	0.08	<10	88	<10	<1	29
112	BL 8+50N	<0.2	1.85	<5	90	5	0.19	<1	7	10	21	1.89	<10	0.16	144	<1	<0.01	10	1240	12	<5	<20	8	0.08	<10	49	<10	<1	32
113	L8+50N 0+50E	<0.2	1.78	<5	110	10	0.16	<1	7	11	28	1.94	<10	0.14	119	<1	<0.01	9	1860	16	<5	<20	4	0.08	<10	51	<10	2	40
114	L8+50N 1+00E	<0.2	2.05	<5	200	5	0.21	<1	8	12	41	2.05	<10	0.21	225	<1	0.01	11	840	16	<5	<20	16	0.10	<10	53	<10	1	46
115	L8+50N 1+50E	<0.2	1.82	<5	185	5	0.24	<1	7	10	52	1.98	<10	0.22	200	<1	<0.01	12	1190	14	<5	<20	13	0.10	<10	50	<10	<1	65
116	L8+50N 2+00E	<0.2	1.31	<5	125	<5	0.26	<1	7	14	28	2.41	<10	0.19	160	<1	<0.01	9	780	8	<5	<20	14	0.08	<10	76	<10	<1	39
117	L8+50N 2+50E	<0.2	0.76	<5	70	5	0.32	<1	7	12	26	2.39	<10	0.17	122	<1	<0.01	7	460	6	<5	<20	15	0.08	<10	80	<10	<1	18
118	L8+50N 3+00E	<0.2	0.74	<5	75	5	0.33	<1	7	11	40	1.79	<10	0.21	288	<1	<0.01	5	320	8	<5	<20	21	0.09	<10	61	<10	4	30
119	L8+50N 3+50E	<0.2	2.47	<5	130	<5	0.27	<1	9	16	95	2.63	<10	0.23	192	<1	<0.01	11	2620	20	<5	<20	20	0.09	<10	70	<10	3	47
120	L8+50N 4+10E	<0.2	3.13	10	180	<5	0.93	<1	9	18	297	3.30	20	0.38	627	<1	0.02	13	660	20	<5	<20	50	0.08	<10	80	<10	22	37
121	L8+50N 4+50E	<0.2	3.00	<5	195	10	0.27	<1	9	12	78	2.28	<10	0.23	259	<1	<0.01	12	2930	24	<5	<20	30	0.12	20	49	<10	2	45
122	L8+50N 5+00E	<0.2	2.29	<5	120	<5	0.16	<1	7	9	63	1.68	<10	0.17	227	<1	<0.01	10	1840	18	<5	<20	19	0.10	<10	36	<10	1	48

ICP CERTIFICATE OF ANALYSIS AK 2000-153

BRIAN MALAHOFF

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																													
Repeat:																													
1	L6+00N 0+50W	<0.2	1.25	<5	85	5	0.17	<1	6	10	15	1.80	<10	0.15	265	<1	<0.01	8	430	12	<5	<20	8	0.08	<10	52	<10	<1	40
10	BL 6+00N	<0.2	1.13	<5	65	<5	0.24	<1	7	12	98	2.33	<10	0.22	152	<1	<0.01	8	890	10	<5	<20	12	0.07	<10	76	<10	<1	29
19	L6+00N 4+50E	<0.2	1.56	<5	90	5	0.25	<1	7	12	31	2.21	<10	0.20	120	<1	<0.01	9	1300	12	<5	<20	11	0.07	<10	61	<10	<1	36
28	L6+50N 4+50W	<0.2	1.39	<5	75	5	0.13	<1	5	8	22	1.84	<10	0.12	150	<1	<0.01	6	540	10	<5	<20	4	0.06	<10	53	<10	<1	23
36	L6+50N 3+00E	<0.2	2.50	10	135	<5	0.18	<1	8	9	56	1.72	<10	0.14	331	<1	0.01	9	2480	20	<5	<20	11	0.11	<10	33	<10	3	48
45	L7+00N 2+50W	<0.2	3.40	10	125	5	0.14	<1	8	12	76	2.24	<10	0.15	187	<1	0.01	12	3030	26	<5	<20	7	0.12	<10	50	<10	6	60
54	L7+00N 1+50E	<0.2	0.51	<5	50	<5	0.44	<1	5	5	73	1.67	<10	0.15	147	<1	<0.01	3	560	4	<5	<20	19	0.04	<10	54	<10	3	11
63	L7+50N 1+50W	<0.2	1.80	<5	170	5	0.24	<1	7	12	47	2.25	<10	0.19	170	<1	<0.01	11	880	12	<5	<20	17	0.08	<10	60	<10	<1	37
71	BL 7+50N	<0.2	0.90	<5	60	<5	0.24	<1	6	26	34	1.38	<10	0.27	140	<1	<0.01	11	180	8	<5	<20	14	0.07	<10	42	<10	<1	22
80	L7+50N 4+50E	<0.2	1.21	<5	125	10	0.47	<1	6	6	18	1.76	<10	0.34	118	<1	<0.01	4	200	10	<5	<20	125	0.06	<10	55	<10	<1	18
89	L8+00N 4+00W	<0.2	1.18	<5	60	5	0.15	<1	6	8	28	1.95	<10	0.16	158	<1	<0.01	6	670	10	<5	<20	4	0.07	<10	57	<10	<1	37
98	L8+00N 3+50E	<0.2	1.64	<5	85	<5	0.52	<1	5	9	51	1.69	<10	0.19	176	<1	0.01	5	400	12	<5	<20	31	0.07	<10	35	<10	2	36
106	L8+50N 2+50W	<0.2	1.86	<5	105	<5	0.16	<1	7	9	49	1.81	<10	0.14	538	<1	<0.01	12	940	14	<5	<20	9	0.09	<10	47	<10	<1	48
115	L8+50N 1+50E	<0.2	1.80	<5	180	<5	0.24	<1	7	11	52	1.98	<10	0.22	196	<1	0.01	10	1160	14	<5	<20	15	0.10	<10	51	<10	1	65
Standard:																													
GEO'00		1.2	1.70	55	150	<5	1.55	<1	19	55	84	3.54	<10	0.91	661	<1	0.01	24	710	24	15	<20	54	0.10	<10	73	<10	8	70
GEO'00		*1.0*	*1.70*	*50*	*150*	<5	1.54	*1*	*19*	*56*	*83*	*3.55*	<10	*0.91*	*658*	<1	0.01	24	720	22	15	<20	53	0.10	<10	73	<10	9	69
GEO'00		1.0	1.69	50	145	<5	1.53	<1	19	56	83	3.56	<10	0.90	655	<1	0.02	23	700	24	<5	<20	54	0.11	<10	73	<10	9	70
GEO'00		0.8	1.77	55	155	10	1.60	1	19	57	87	3.64	<10	0.94	683	<1	0.02	26	730	22	10	<20	55	0.11	<10	75	<10	10	71

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XLS/00
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ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

5400W 3400W 1400W 1450E 3400E 5400E

648000mE 648500mE

5578400mN 5578000mN

BL 8150N BL 8100N BL 7150N BL 7100N BL 6150N BL 6100N BL 5150N BL 5100N BL 4150N BL 4100N BL 3150N BL 3100N BL 2150N BL 2100N BL 1150N BL 1100N BL 0150N BL 0100N

2 float c.g.

SHO SHOWING

2 Tr mal, str carb, mod chl-epy, hem, c.g., sheared

2 c.g., Trap, hem

2 c.g., mod str mal, sheared str carb, str py

2 c.g., sheared mod-str mal, mod-str chl, ep, hem(red), hem(black) - spec

1

2 c.g., wk hem

2 c.g., mod-str chl, hem, ep, wk-mod ly sheared

2 m-c.g.

2 c.g.

2 c.g., Trap, hem

2 Tr mal, wk-mod ep, chl, hem, mod ly - str frac, sheared

2 m-c.g.

Tr mal, carb, hem

2 c.g.

Tr mal

Tr mal
Tr mal
Tr mal
str mal, carb
str mal, c.g. musc
str mal, carb, c.g. musc

2,1? m-c.g.

2 c.g.

2 c.g., wk ep, chl, hem, slicks

2 c.g., wkly frac.

2 c.g., wk ep, hem, chl, wk prop.

2 c.g. Trap.

TALUS SLOPE

str mal, slicks, c. musc, Trap, Tr-1% py

mal, slicks, c. musc, Tr bn, py

wk-mod mal along fracs

ABBREVIATIONS

alt	alteration
BL	baseline
bn	bornite
c. musc	coarse muscovite alt.
carb	carbonate alt.
chl	chlorite
c.g.	coarse grained
E	east
ep	epidote
frac	fractured
fracs	fractures
hem	hematite (red), (black)
lim	limonite
m	metres
m-cg	medium to coarse grained
mal	malachite
mod	moderate
modly	moderately
N	north
propy	propylitic alt.
py	pyrite
slicks	slickensides
spec	specularite
str	strong
strly	strongly
Tr	trace
W	west
wk	weak
wkly	weakly

LEGEND

GUICHON CREEK BATHOLITH

1 BETHLEHEM? GRANODIORITE, dioritic dyke

2 CHATAWAY GRANODIORITE

SYMBOLS

- + Grid Station
- Main Gravel Road
- ⊙ Base Line Station
- Overgrown Road
- ⊛ Mineralized Float
- □ Claim Post
- Area of outcrop
- Creek with direction
- Old Drill Pad
- Old Cat Trenches
- Observed Fault
- Assumed Fault
- Joint (inclined)
- Direction and Plunge of Fault
- Dyke (inclined)
- Observed Geological Contact

N

0 50 m

metres

MALACHITE PROPERTY
BRITISH COLUMBIA

PROPERTY GEOLOGY MAP 00-27

DATE: NOV. 2000	DATA BY: BTM
SCALE: 1:1000	FIGURE: 4