87-34 - 15699

GEOCHEMICAL REPORT
ON THE
CHRISTMAS #1-8 MINERAL CLAIMS

1/88

CANIM LAKE AREA, BRITISH COLUMBIA
CLINTON MINING DIVISION
NTS 92P/15W
LATITUDE 51°53'N LONGITUDE 120°46'W

For

MING MINES LIMITED

By

E&B EXPLORATIONS INC.
1440 - 800 West Pender Street
Vancouver, B.C.
V6C 2V6

Dated: January 15, 1987

Ken McNaughton, M.A.Sc., P. Eng.
Project Geologist

REPORTS-29:rep5

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SUMMARY AND RECOMMENDATIONS

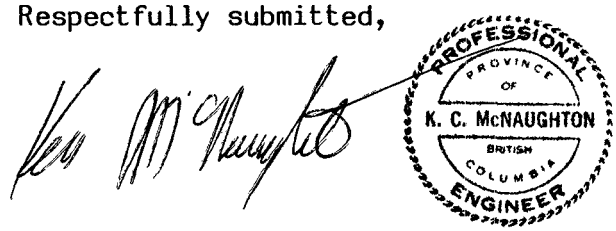
The Christmas claim group is located on the north shore of Canim Lake in south central British Columbia about 55 kilometers northeast of 100 Mile House. Very little recorded work has been done in the area of the claim group. In 1983, E&B Explorations Inc. staked the claims. Ming Mines Limited optioned the claim group in 1985.

The 1986 exploration program consisted of establishing fill-in grid lines to confirm the existence of soil anomalies located during 1985. To this end, 257 soil samples were collected from 6.35 km of line at 25 m intervals.

Results from the program are encouraging, with 7 anomalies being confirmed and the existence of several others indicated. Of particular interest is an anomaly on the south grid, centered around 99+00W 50+00N, which overlies a 1985 grab sample which contained 3550 ppb Au.

It is proposed that a two phase follow-up program be conducted to ascertain any mineral potential. Phase I should comprise approximately 20 km of additional fill-in soil sampling and resampling of the 1985 grid lines in the vicinity of the main showing (99+00W 49+25N). Mechanical trenching would further evaluate any targets prior to a Phase II, 4,000 foot reverse circulation rotary drill program. Total expenditures for the combined programs are expected to be $100,000 CDN.

Respectfully submitted,



Ken McNaughton, M.A.Sc., P. Eng.

REPORTS-29:rep5

1.0 INTRODUCTION

The Christmas 1-8 claims are underlain by basalts, volcanoclastic sediments and tuffs intruded by a hornblend diorite. Locally these rocks are silicified and accompanied by variable amounts of pyrite and pyrrhotite mineralization. Grab samples comprising 30% sulphides and up to 3550 ppb Au have been found on the property.

On October 18, 1986, a program of fill-in soil sampling was conducted over portions of the north and south grids. Survey lines were planned to confirm the presence of soil geochemical anomalies that were outlined in the 1985 exploration program.

1.1 Location and Access

The Christmas 1-8 claims, located approximately 55 kilometers northeast of 100 Mile House in south central British Columbia, NTS 92 P/15, Latitude 51° 53' N and Longitude 120° 46' W (Figure 1), lie along the north shore of Canim Lake and encompass Christmas Lake.

The claims are accessible by road from Highway 97 at the Canim Lake turnoff two kilometers north of 100 Mile House then via 50 kilometers of paved secondary highway to Eagle Creek. From Eagle Creek a good gravel road leads northeast for five kilometers to the western claim boundary and traverses northeastward through the claim block.

The central and southern end of the claims are accessible by a rough, four-wheel drive road, which skirts the south end of Christmas Lake and leads to several lots along the north shore of Canim Lake.

The north end of the claims is accessed by dirt forest service and ranch roads (Figure 2).

MING MINES LIMITED

E&B EXPLORATIONS INC.

CHRISTMAS PROPERTY
PROPERTY LOCATION

DATE: Sept. / 1985	SCALE: 1: 2,000,000	DRAWING CL-85-1

15,699

0 500 1000 m

KELLINGTON L.

CHRISTMAS 8

North Grid

Weller Cr.

CHRISTMAS 1

CHRISTMAS L

CHRISTMAS 2

CHRISTMAS 5

South Grid

Christmas Cr.

CHRISTMAS 3

CHRISTMAS 4

CHRISTMAS 6

CHRISTMAS 7

L A K E

C A N I M

MING MINES LIMITED

E&B EXPLORATIONS INC.

CHRISTMAS PROPERTY
CLAIM MAP

DATE:

SCALE: 1:50000

DRAWING No. CL85-2

1.2 Topography and Physical Environment

The Christmas claim group is situated on the north shore of Canim Lake. Topographic relief on the property ranges from 770 meters at Canim Lake to 1,130 meters in the extreme northeast corner of the claims. The main topographic feature within the claim group is Christmas Lake.

The property is heavily forested with fir, spruce and cedar being of commercial value. Some logging operations on the claims are anticipated in 1985. Swamps dominate the lowlands.

1.3 Claims

Name	Units	Record No.	Record Date	Owner
Christmas #1	20	1352(2)	February 25, 1983	E&B Explorations Inc.
Christmas #2	10	1353(2)	February 25, 1983	E&B Explorations Inc.
Christmas #3	4	1354(2)	February 25, 1983	E&B Explorations Inc.
Christmas #4	4	1355(2)	February 25, 1983	E&B Explorations Inc.
Christmas #5	20	1896(7)	July 17, 1985	E&B Explorations Inc.
Christmas #6	12	1897(7)	July 17, 1985	E&B Explorations Inc.
Christmas #7	16	1898(7)	July 17, 1985	E&B Explorations Inc.
Christmas #8	8	1899(7)	July 17, 1985	E&B Explorations Inc.

Claim overlap reduces the total area covered by the Christmas claims to 76 units or 1900 hectares.

1.4 History

The property has very little recorded history prior to E&B Explorations Inc. staking the area in 1983. According to the British Columbia Mineral Occurrences file, the RK claims were located in about the area of the main showing. These claims were staked in 1972. No work was recorded but old trenches and abandoned drill core located on the property may have been carried out during this time.

Just east of the property on the Well claims, a program of surface mapping and a rock and soil geochemical survey was conducted. This work was undertaken in 1975 by Dupont of Canada Exploration Ltd. Minor chalcopyrite and associated weak gold values were located in altered agglomerates and tuffs.

In the fall of 1983, E&B Explorations Inc. undertook a small exploration program consisting of rock and soil geochemical surveys and reconnaissance geological mapping. Interesting gold values were attained in hornfelsed volcanics near the northeastern contact of a diorite stock.

A second program, undertaken in the spring of 1985, comprised soil sampling, magnetic and VLF-EM surveys at 50 m intervals on grids in the north-east corner and central portion of the property. Several coincident geochemical-geophysical were located as a result of this program.

Ming Mines Limited optioned the ground from E&B Explorations Inc. during 1985.

1.5 Geology

The claims are underlain by a succession of interbedded hornblende basalt flows, fine grained, finely banded volcanoclastic sediments and

aphanitic rhyo-dacite tuffs. A single unit of porphyritic basalt with large (1-5 mm) plagioclase phenocrysts was mapped northwest of the LCP for Christmas 1 to 7 claims.

The regional trend of this package of rocks is approximately northeast-southwest with moderate dips to the northwest. Local variations from the regional trend are noted with strikes ranging from 188° to 285° and dips from 38° to 85° all to the northwest.

This entire assemblage of rocks is intruded by fine to medium-grained hornblende diorite. The diorite outcrops as one large sill east and south of the LCP for Christmas 1 to 7 and as smaller dykes and sills throughout the rest of the claim area, possibly indicating a partially unroofed stock of unknown dimensions.

Alteration accompanied by disseminated pyrite was noted along the northern contact with the large diorite sill and in country rock intruded by diorite sills and dykes in the northeast corner of Christmas 5.

The alteration in the country rock is generally restricted to weak-moderate silicification accompanied by 2%-3% disseminated pyrite. Pyrite tends to be concentrated along fractures and stains the weathered rock a dark limonite brown. Gypsum was occasionally noted with pyrite on fractures, particularly in road cuts. Minor quartz stockwork veining was also noted in several locations.

Altered diorite is moderately silicified and sericitized and accompanied by 2%-3% disseminated pyrite.

Heavy alteration with up to 15% pyrite, minor chalcopyrite and arsenopyrite was noted in the trenches. Up to 30% pyrrhotite (rock sample KRO 46) is present in outcrop at 99+00W, 49+20N. Average pyrrhotite content was 2%-3%.

2.0 EXPLORATION PROGRAM

The two grids previously established on the property will be referred to as the north and south grids. A total of 6.35 km of grid line, with 25 m intervals between stations, was set out. Grid lines were spaced at the 50 m interval between existing lines.

On the north grid, intermediate lines were laid out between 82+00W and 87+00W, on the south grid between 95+00W and 102+00W. All lines were run with hip chain and compass and are marked with flagging. No slope corrections were made.

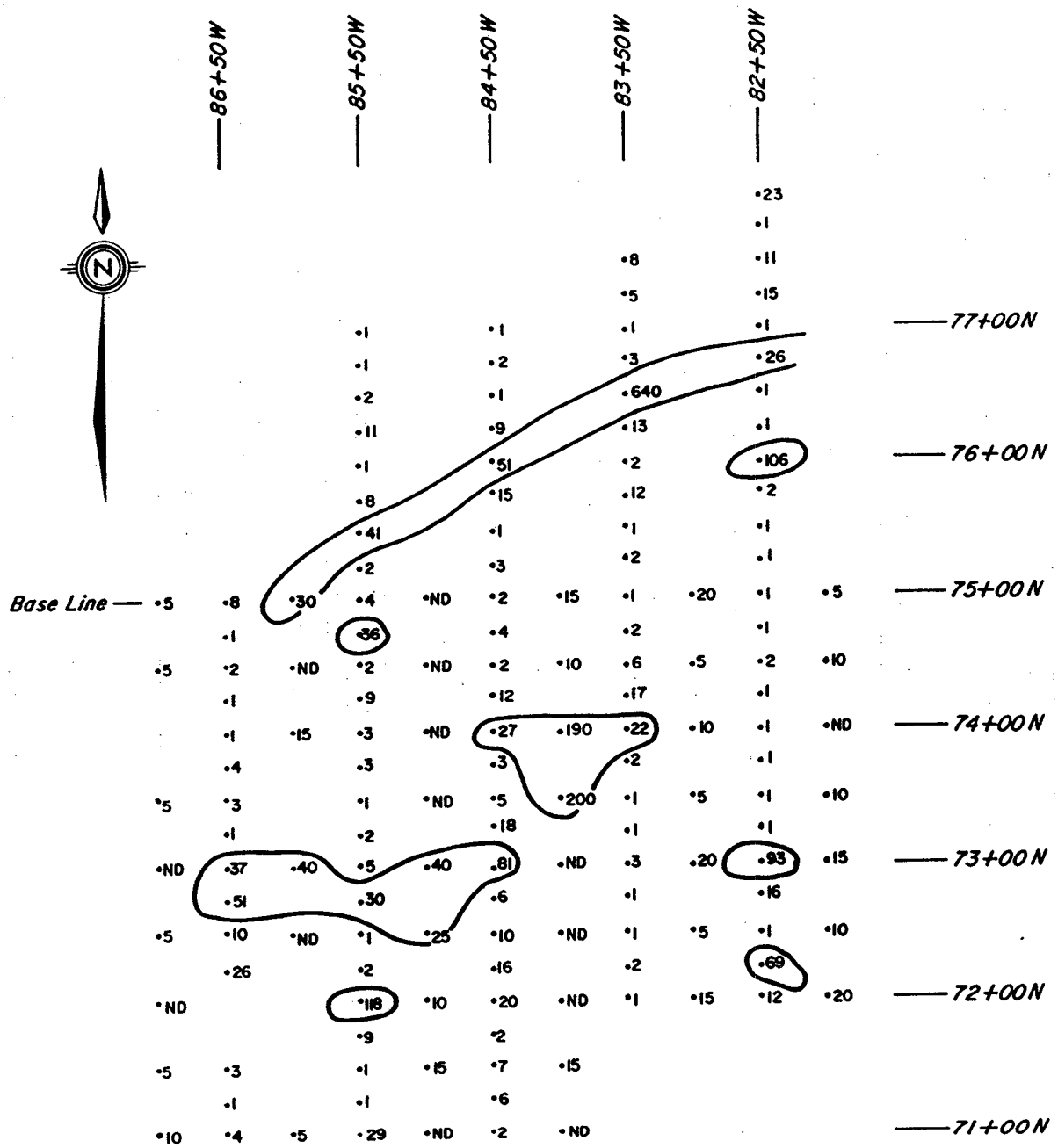
At each station, a B-horizon soil sample was collected using a soil Mattock. A total of 257 samples were shipped to Acme Analytical Laboratories in Vancouver for a gold and 30 element ICP analysis.

2.1 Geochemistry

Gold values in the soil samples, for the north grid have been plotted in Figure 3, and the south grid in Figure 4. An anomaly was defined as any sample with greater than 25 ppb Au, with a threshold of 20 ppb Au.

On the north gird, two previously detected soil anomalies were confirmed and a third outlined north of the 1985 grid. The largest of these is 200 m long and centered around 85+50W, 72+75N and has values up to 200 ppb Au. The third anomaly is north of the baseline, trends north'east'-south'west' and has a maximum value of 640 ppb Au.

On the south grid, five significant anomalies were confirmed. All of these trend east-west unless otherwise described (Figure 4).



LEGEND

82+50W — 1986 SURVEY LINES

Au ANOMALIES

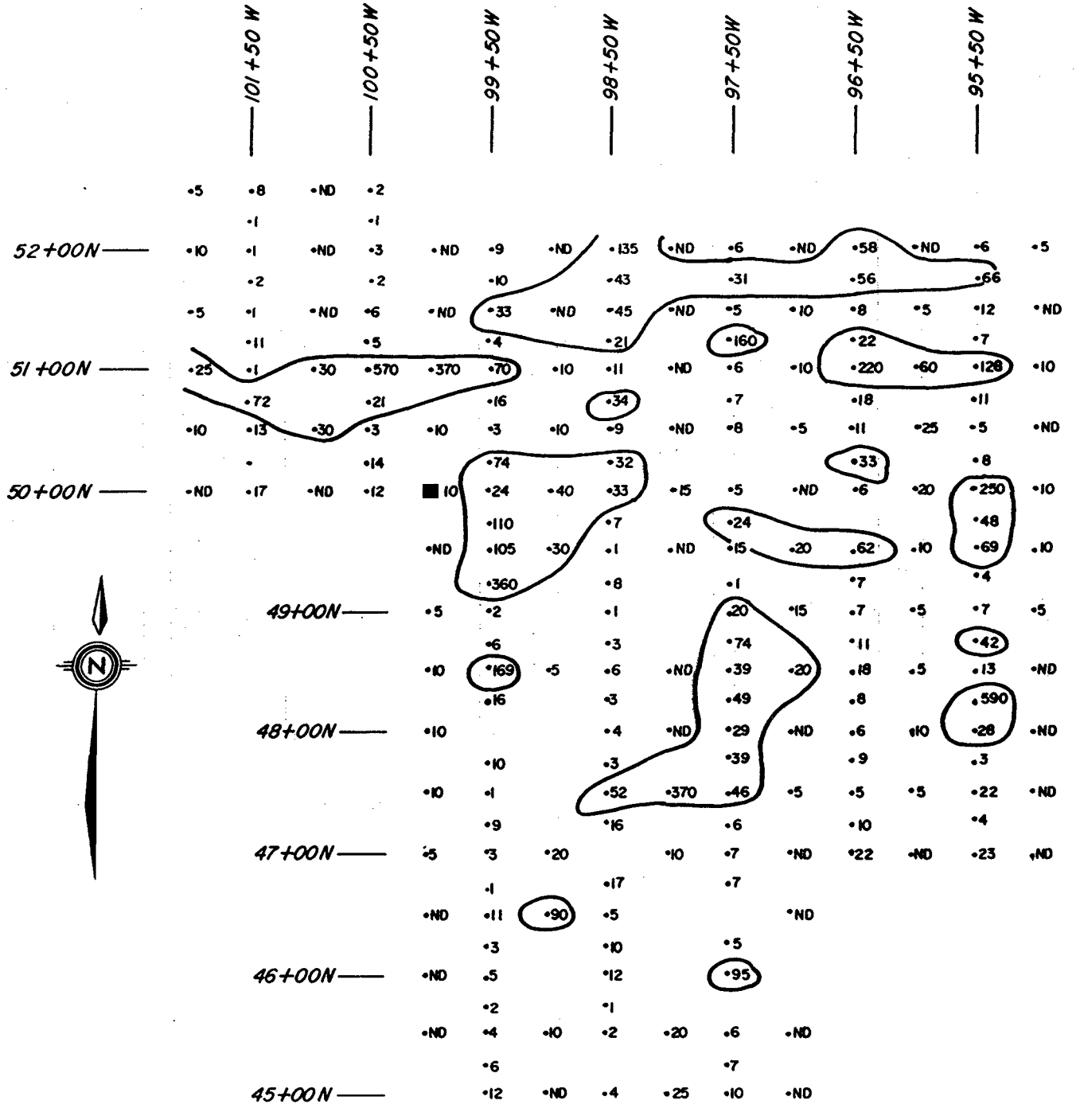
0 50 100 m

CHRISTMAS PROJECT

E&B EXPLORATIONS INC.

SOIL GEOCHEMISTRY (NORTH GRID)
Au - ppb

DATE: Dec./1986 | SCALE: 1:5000 | DRAWING No.



LEGEND

95+50W — 1986 SURVEY LINES

Au ANOMALIES

LEGAL CORNER POST

0 50 100 m

CHRISTMAS PROJECT

E&B EXPLORATIONS INC.

SOIL GEOCHEMISTRY (SOUTH GRID)
Au - ppb

DATE: Dec. / 1986	SCALE: 1: 5000	DRAWING No.

The first is centered around 97+00W, 47+50N, oriented north'east'-south'west' and measures 200 m x 50 m. The second is at 99+00W, 50+00N, measures 100 m x 75 m and has a maximum value of 360 ppb Au. A 1985 grab sample, which contained 3550 ppb Au, is located at the southern edge of this zone on line 99+00W.

The remaining three anomalies have centers at, 101+00W 50+75N, 97+50W 51+75N and 96+00W 51+00N, are 100 to 400 m in length and have maximum values which range between 220 to 570 ppb Au.

Numerous spot anomalies are distributed thoughout the south grid and have values up to 590 ppb Au. Several of these are south of the baseline on line 95+50W.

The gold soil anomalies from both grids show a moderate correlation with copper and zinc values.

The soil anomalies on the north grid are underlain by a magnetic high, while those on the south grid exhibit no apparent relationship to the magnetics. Several are weakly associated to VLF-EM conductors.

3.0 CONCLUSIONS AND RECOMMENDATIONS

The Christmas claims are underlain by upper Triassic to lower Jurassic Nicola Group basalts, tuffs and volcanoclastic sediments. This package of rocks has been intruded by a hornblende diorite stock and associated sills and dykes. The exploration target on the Christmas property is a bulk tonnage disseminated gold deposit similar to the deposits within the Quesnel Trough, i.e. the Q.R. deposit.

The 1986 exploration program confirmed the existence of 7 gold soil anomalies detected by the 1985 program, as well as indicating the presence of several others. Maximum values in each, ranged between 220 and 640 ppb Au.

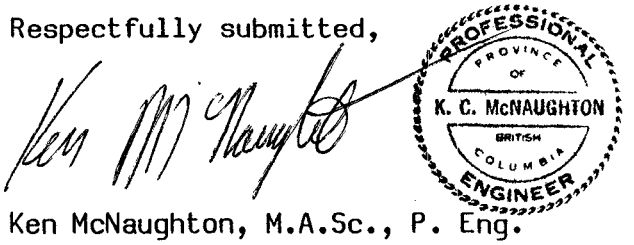
Of particular interest is one anomaly on the south grid which overlies a 1985 grab sample that contained 3550 ppb Au.

A two phase program is required to further delineate these anomalous gold trends.

The Phase I program should consist of extending lines 82+00W through 86+00W to the north, resampling at 25 m intervals lines 95+00W to 102+00W and running fill-in lines around the remaining 1985 soil anomalies which have not been covered. Mechanical trenching will enhance those targets prior to a Phase II, 4000 ft. reverse circulation rotary drill program.

This program would require a combined total budget of $100,000 CDN.

Respectfully submitted,



Ken McNaughton, M.A.Sc., P. Eng.

STATEMENT OF EXPENDITURES

Analytical - 257 soils @ $12.65 each		$3,251
Linecutting - 6.35 km @ $270/km		1,715
Salaries - 4 days @ $180/day		720
Drafting and Printing		200
Transportation		166
	TOTAL	**$6,052**

LIST OF PERSONNEL

Ken McNaughton - Project Geologist

October 18, 1986	1 day
December 2, 1986	1 day
January 8, 9, 1987	2 days

Randy Hogg - Line cutter
Kenny Dale - Line cutter
Mick Sidhu - Line cutter
John Cartier - Line cutter
Duane Thiessen - Line cutter

- All October 18 - 1 day

STATEMENT OF QUALIFICATIONS

I, Ken McNaughton, of 265 Riverside Drive, North Vancouver, B.C. V7H 1V1 state that:

1) I am a 1981 graduate of the University of Windsor, Windsor, Ontario, with a B.A.Sc. Degree in Geological Engineering.

2) I am a 1983 graduate of the University of Windsor, Windsor, Ontario with a M.A.Sc. Degree in Geological Engineering.

3) I am a Professional Engineer, registered in the Province of British Columbia.

4) I have been employed in the mining industry prior to my graduation and that I have practiced my profession since April, 1983 as follows:

1984 - 1987	Mascot Gold Mines Limited Vancouver, B.C.
1984	Borealis Exploration Ltd. Calgary, Alberta
1983	538162 Ontario Ltd. London, Ontario

5) I am presently employed as a Project Geologist with E&B Explorations Inc., 1440 - 800 West Pender Street, Vancouver, B.C. V6C 2V6.

6) That I am the author of this report which is based on public and property reports plus on site investigation.

7) That I was on site October 18, 1986 to supervise the geochemical survey which provides the basis for this report.

8) That I have no interest, direct or indirect, in the property discussed in this report or in the securities of E&B Explorations Inc. nor do I expect to receive any.

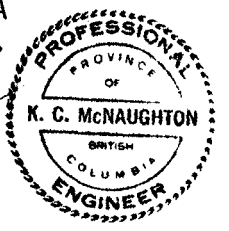
9) That this report may be used for the development of the property, provided that no portion may be used out of context in such a manner as to convey meanings different from that set out in the whole.

10) Consent is hereby given to Ming Mines Limited to reproduce this report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

SIGNED AT VANCOUVER, BRITISH COLUMBIA
THIS 15TH DAY OF JANUARY, 1987.

Ken McNaughton

KEN McNAUGHTON, M.A.Sc., P. Eng.



APPENDIX 1

ASSAY CERTIFICATES

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 21 1986 DATE REPORT MAILED: Oct 27/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER

E & B EXPLORATION PROJECT - 5067 FILE # 86-3324

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
101+50W 52+50N	1	12	11	76	.2	7	4	179	.98	6	6	ND	1	9	1	2	2	26	.11	.040	2	11	.12	31	.08	2	.52	.01	.02	1	8
101+50W 52+25N	1	5	7	85	.4	5	4	233	.96	5	5	ND	1	11	1	2	2	26	.11	.076	2	8	.09	44	.09	3	.54	.02	.03	1	1
101+50W 52+00N	1	29	9	135	.2	17	9	337	1.87	2	5	ND	1	15	1	2	3	47	.19	.050	4	19	.29	61	.12	2	1.19	.02	.04	1	1
101+50W 51+75N	1	15	6	87	.3	11	6	308	1.32	3	5	ND	1	15	1	2	2	37	.23	.035	3	11	.19	54	.09	2	.85	.02	.06	1	2
101+50W 51+50N	1	9	7	108	.1	10	6	552	1.61	9	5	ND	1	13	1	2	2	37	.17	.126	3	14	.19	68	.11	2	.93	.02	.04	1	1
101+50W 51+25N	1	6	12	92	.1	8	5	889	1.32	7	5	ND	1	12	1	2	2	32	.16	.086	3	12	.15	67	.10	2	.69	.02	.04	1	11
101+50W 51+00N	1	1	5	44	.1	5	4	307	1.14	8	5	ND	1	9	1	2	2	30	.11	.100	2	5	.08	28	.08	2	.78	.02	.02	2	1
101+50W 50+75N	4	76	40	142	.1	21	22	758	3.48	17	5	ND	1	13	1	2	2	70	.37	.089	2	12	.29	67	.10	2	1.32	.02	.04	1	72
101+50W 50+50N	1	37	9	134	.1	30	12	534	2.35	11	5	ND	1	27	1	2	2	55	.23	.101	5	25	.40	84	.12	4	1.60	.02	.05	1	13
101+50W 50+25N	1	53	10	75	.1	22	12	389	2.41	20	5	ND	1	18	1	2	3	56	.25	.037	5	26	.47	55	.10	5	1.49	.01	.06	1	10
101+50W 50+00N	1	64	10	76	.1	26	15	316	2.50	19	5	ND	1	22	1	2	2	61	.29	.045	7	30	.50	60	.11	2	1.67	.01	.06	1	17
100+50W 52+50N	1	40	12	111	.2	18	9	437	1.98	11	5	ND	1	20	1	2	2	48	.25	.089	6	21	.32	85	.10	2	1.24	.02	.07	1	2
100+50W 52+25N	1	41	11	99	.1	20	10	346	1.86	8	5	ND	1	17	1	2	3	45	.23	.064	4	19	.32	73	.09	2	1.13	.01	.06	1	1
100+50W 52+00N	2	66	4	110	.2	33	14	349	2.73	9	5	ND	1	23	1	2	2	67	.29	.077	7	33	.51	102	.13	5	1.81	.01	.10	1	3
100+50W 51+75N	1	14	10	101	.3	16	7	336	1.40	3	6	ND	1	13	1	2	2	36	.20	.070	3	15	.23	61	.10	4	1.15	.02	.04	1	2
100+50W 51+50N	2	40	10	94	.1	20	10	332	1.90	6	5	ND	1	16	1	2	4	43	.26	.033	3	14	.23	55	.10	5	1.15	.02	.05	1	6
100+50W 51+25N	1	50	13	192	.1	22	13	258	2.39	22	5	ND	1	14	1	2	4	49	.21	.083	5	19	.31	58	.11	2	1.38	.02	.06	1	5
100+50W 51+00N	6	480	34	128	.4	48	45	672	8.57	569	5	ND	3	19	1	4	4	140	.47	.098	2	43	1.40	58	.15	2	2.92	.01	.08	1	570
100+50W 50+75N	1	17	31	180	.3	11	9	313	1.95	14	5	ND	1	13	1	2	4	41	.24	.123	3	12	.17	48	.11	2	1.21	.02	.03	1	21
100+50W 50+50N	1	6	12	70	.1	9	5	618	1.17	6	5	ND	1	8	1	2	4	32	.11	.051	4	12	.13	44	.09	2	.56	.02	.02	1	3
100+50W 50+25N	1	13	9	91	.2	11	7	358	1.33	10	5	ND	1	13	1	2	2	36	.17	.057	2	10	.16	39	.09	2	.78	.02	.04	1	14
100+50W 50+00N	1	29	6	97	.1	24	11	451	2.00	9	5	ND	1	19	1	2	5	51	.28	.032	5	24	.35	65	.12	2	1.44	.02	.04	1	12
99+50W 52+00N	3	119	11	166	.3	35	13	514	2.88	29	5	ND	1	26	1	3	4	59	.54	.031	8	35	.47	58	.13	8	2.04	.02	.06	1	9
99+50W 51+75N	3	83	14	165	.1	36	18	304	3.16	9	5	ND	1	18	1	2	3	58	.27	.086	6	30	.43	50	.13	4	1.73	.01	.05	1	10
99+50W 51+50N	3	66	10	101	.3	34	15	250	2.94	14	5	ND	2	25	1	2	2	74	.40	.058	6	38	.63	74	.14	3	1.85	.02	.08	1	33
99+50W 51+25N	1	33	7	107	.2	23	12	580	2.03	11	5	ND	1	20	1	2	4	48	.26	.053	6	23	.34	91	.13	7	1.26	.02	.07	1	4
99+50W 51+00N	4	168	19	71	.2	9	16	198	8.12	23	5	ND	1	24	1	2	5	76	.31	.102	2	11	.17	52	.14	2	1.21	.01	.05	1	70
99+50W 50+75N	1	51	7	91	.2	27	12	260	2.25	8	5	ND	1	22	1	2	4	56	.37	.029	6	26	.45	58	.13	2	1.53	.01	.07	2	16
99+50W 50+50N	1	106	14	169	.3	40	24	773	3.24	8	5	ND	1	28	1	2	2	61	.38	.096	5	26	.42	94	.11	7	1.80	.02	.08	1	3
99+50W 50+25N	1	20	8	70	.1	11	9	290	1.53	3	5	ND	1	13	1	2	2	35	.21	.021	3	11	.21	46	.08	2	.92	.02	.02	1	74
99+50W 50+00N	1	64	15	106	.2	32	14	254	2.86	6	5	ND	2	30	1	2	3	73	.41	.029	8	36	.58	68	.15	2	1.96	.02	.08	1	24
99+50W 49+75N	1	67	10	105	.2	29	13	350	2.54	6	5	ND	1	22	1	2	3	60	.30	.038	6	29	.48	77	.13	2	1.70	.02	.06	1	110
99+50W 49+50N	2	152	26	112	.2	42	22	563	3.89	13	6	ND	2	43	1	2	2	75	.46	.052	5	40	.77	75	.14	4	1.76	.02	.08	1	105
99+50W 49+25N	3	110	22	132	.1	51	24	457	4.61	10	5	ND	1	26	1	2	4	81	.44	.061	2	32	.54	64	.14	2	2.35	.02	.06	1	360
99+50W 49+00N	1	7	6	91	.1	10	6	382	1.27	6	5	ND	1	10	1	2	3	33	.15	.078	3	14	.17	43	.10	2	.77	.02	.05	1	2
99+50W 48+75N	1	13	10	93	.2	11	6	206	1.35	6	5	ND	1	11	1	2	3	34	.19	.034	2	12	.16	36	.10	2	.98	.02	.04	1	6
STD C/AU-S	22	60	38	136	7.0	67	31	1048	3.98	41	17	8	34	49	17	17	22	65	.48	.103	37	60	.88	184	.08	33	1.72	.07	.15	13	47

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
99+50W 48+50N	2	231	12	125	.2	50	29	769	4.42	38	8	ND	1	38	1	2	3	68	.51	.094	7	33	.71	82	.11	7	1.94	.01	.07	1	169
99+50W 48+25N	2	60	8	170	.2	18	19	3667	2.81	7	12	ND	1	30	1	2	2	39	.53	.111	4	15	.22	173	.07	4	1.01	.01	.06	1	16
99+50W 47+75N	1	35	6	144	.1	23	10	439	2.08	5	6	ND	1	20	1	2	3	48	.31	.064	7	27	.40	74	.12	3	1.52	.02	.10	1	10
99+50W 47+50N	1	5	6	61	.2	5	5	659	.93	2	9	ND	1	8	1	2	5	24	.12	.070	2	6	.06	40	.07	3	.39	.02	.04	1	1
99+50W 47+25N	1	34	4	212	.1	31	11	334	2.48	9	5	ND	1	19	1	2	2	52	.28	.158	8	28	.43	75	.12	6	1.85	.02	.08	1	9
99+50W 47+00N	1	44	4	103	.1	21	9	325	1.84	7	5	ND	2	17	1	2	6	41	.25	.120	5	20	.32	66	.10	6	1.22	.01	.06	1	3
99+50W 46+75N	1	12	10	137	.3	16	7	337	1.75	4	5	ND	3	14	1	2	4	36	.19	.150	4	17	.22	70	.12	2	1.19	.01	.06	1	1
99+50W 46+50N	1	51	2	134	.1	51	13	345	2.39	8	5	ND	2	22	1	8	5	55	.39	.043	5	42	.66	50	.12	3	1.47	.02	.09	1	11
99+50W 46+25N	1	21	46	354	.1	118	16	597	2.18	6	5	ND	1	44	1	2	2	46	.42	.141	4	64	1.43	45	.14	3	1.73	.02	.04	1	3
99+50W 46+00N	1	5	9	85	.2	10	4	254	1.19	2	5	ND	1	13	1	2	3	31	.16	.102	2	8	.14	37	.08	2	.62	.02	.03	1	5
99+50W 45+75N	1	5	9	97	.1	15	7	451	1.47	2	5	ND	1	44	1	2	2	34	.19	.120	3	13	.20	45	.09	2	.85	.02	.03	1	2
99+50W 45+50N	1	12	6	209	.1	15	7	274	1.84	5	5	ND	2	14	1	2	3	36	.17	.283	2	12	.20	49	.10	2	1.21	.02	.04	2	4
99+50W 45+25N	1	9	5	163	.1	8	5	590	1.19	2	5	ND	1	12	1	2	2	28	.15	.093	3	8	.14	73	.07	2	.71	.02	.04	1	6
99+50W 45+00N	2	131	9	228	.2	39	19	879	3.50	10	5	ND	3	43	1	2	2	70	.61	.128	4	33	.85	75	.10	6	2.33	.02	.10	1	12
98+50W 52+00N	1	17	8	97	.3	18	8	440	1.59	6	5	ND	2	15	1	2	2	39	.26	.037	5	18	.29	78	.12	4	1.40	.02	.04	1	135
98+50W 51+75N	1	38	9	126	.1	26	12	266	2.42	6	5	ND	2	13	1	2	2	52	.22	.069	6	25	.37	63	.13	6	1.87	.02	.05	1	43
98+50W 51+50N	5	75	7	114	.2	33	12	471	2.29	13	5	ND	3	17	1	2	3	49	.35	.043	6	23	.27	43	.12	5	1.66	.02	.05	1	45
98+50W 51+25N	1	16	4	99	.2	17	7	243	1.57	3	5	ND	2	11	1	2	3	40	.18	.039	5	17	.23	47	.11	2	1.04	.02	.05	1	21
98+50W 51+00N	1	8	8	89	.1	11	6	267	1.28	3	5	ND	1	13	1	2	4	28	.16	.134	4	12	.14	57	.10	5	.84	.02	.04	1	11
98+50W 50+75N	1	27	7	104	.1	20	11	380	2.17	7	5	ND	2	22	1	2	2	45	.29	.072	6	24	.34	79	.13	4	1.43	.02	.06	1	34
98+50W 50+50N	1	5	6	41	.1	6	5	481	1.04	2	5	ND	1	12	1	2	2	27	.17	.091	2	10	.13	33	.08	3	.58	.02	.04	1	9
98+50W 50+25N	1	6	10	83	.2	9	5	445	1.26	2	5	ND	2	13	1	2	2	32	.17	.049	4	12	.15	42	.11	5	.99	.02	.03	1	32
98+50W 50+00N	1	9	11	71	.1	6	5	429	1.06	2	5	ND	1	18	1	2	4	25	.26	.061	4	11	.13	66	.10	3	.74	.02	.04	1	38
98+50W 49+75N	1	42	9	80	.1	25	11	329	2.28	4	5	ND	3	24	1	2	2	56	.32	.041	7	30	.47	68	.14	7	1.51	.02	.05	1	7
98+50W 49+50N	1	41	10	117	.2	18	10	501	1.81	6	5	ND	2	16	1	2	2	42	.23	.108	3	19	.28	75	.10	5	1.23	.02	.05	1	1
98+50W 49+25N	1	63	6	111	.2	19	10	485	1.97	2	5	ND	1	19	1	2	2	49	.30	.043	4	23	.37	75	.12	4	1.35	.02	.06	1	8
98+50W 49+00N	1	24	9	137	.1	24	10	360	2.00	4	5	ND	2	20	1	2	2	46	.30	.065	7	26	.38	93	.13	7	1.89	.02	.08	1	1
98+50W 48+75N	2	91	6	155	.5	41	16	340	3.01	7	5	ND	3	22	1	2	2	66	.30	.073	7	33	.53	105	.14	4	2.31	.01	.08	1	3
98+50W 48+50N	2	103	11	103	.1	43	17	479	3.37	8	5	ND	3	26	1	2	2	78	.34	.075	8	42	.68	119	.15	2	2.59	.01	.13	1	6
98+50W 48+25N	1	19	4	75	.1	15	7	259	1.46	2	5	ND	1	15	1	2	2	38	.22	.023	3	12	.18	46	.09	6	1.02	.02	.04	1	3
98+50W 48+00N	1	26	8	48	.1	13	8	439	1.51	6	5	ND	1	16	1	2	4	34	.23	.041	2	12	.16	46	.08	2	.73	.02	.03	1	4
98+50W 47+75N	1	9	3	69	.3	11	6	453	1.27	2	5	ND	1	14	1	2	2	36	.23	.040	3	10	.19	71	.11	5	.77	.02	.07	1	3
98+50W 47+50N	1	41	9	76	.3	23	10	322	2.17	5	5	ND	2	20	1	2	4	53	.23	.049	4	22	.39	80	.12	5	1.68	.02	.06	1	52
98+50W 47+25N	1	48	13	88	.1	28	12	279	2.35	3	5	ND	3	22	1	2	2	57	.25	.049	6	24	.43	84	.12	3	1.85	.02	.07	1	16
98+50W 46+75N	1	85	8	115	.3	41	19	337	4.02	8	5	ND	4	29	1	2	3	90	.31	.070	5	41	.83	99	.19	2	2.99	.02	.09	1	17
98+50W 46+50N	1	20	4	52	.2	21	8	206	1.77	2	5	ND	2	15	1	2	2	44	.28	.022	3	17	.28	57	.12	2	1.36	.02	.04	1	5
STD C/AU-S	21	57	37	132	6.9	68	30	1020	3.96	43	15	7	35	48	17	15	22	63	.48	.104	34	59	.88	181	.08	36	1.72	.06	.14	13	48

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
98+50W 46+25N	1	133	12	121	.1	51	28	390	4.96	11	5	ND	4	41	1	2	2	79	.70	.078	8	33	.59	116	.15	2	3.13	.02	.15	1	10
98+50W 46+00N	1	53	7	208	.2	37	12	215	2.12	5	5	ND	3	20	1	2	2	48	.35	.047	6	26	.41	69	.15	4	1.69	.02	.10	1	12
98+50W 45+75N	1	71	18	124	.1	37	20	325	3.61	6	5	ND	3	30	1	2	2	72	.69	.079	3	17	.55	61	.15	8	2.21	.01	.06	1	1
98+50W 45+50N	1	66	14	85	.1	30	15	259	2.89	9	5	ND	3	33	1	2	2	66	.57	.057	6	29	.43	86	.13	2	2.50	.02	.07	1	2
98+50W 45+00N	1	67	7	95	.1	29	13	238	2.53	4	5	ND	3	23	1	3	2	64	.33	.027	6	28	.46	84	.14	3	2.08	.02	.05	1	4
97+50W 52+00N	1	16	7	122	.2	26	8	443	1.84	5	5	ND	4	16	1	2	2	44	.22	.060	6	28	.36	110	.13	2	1.48	.02	.06	1	6
97+50W 51+75N	1	21	5	77	.1	28	9	416	2.12	7	5	ND	4	22	1	2	2	53	.29	.058	7	32	.48	82	.13	2	1.36	.01	.05	1	31
97+50W 51+50N	1	18	11	99	.2	29	10	531	2.19	7	5	ND	4	17	1	2	2	50	.24	.063	6	30	.41	76	.14	2	1.58	.02	.08	1	5
97+50W 51+25N	1	20	7	98	.3	11	10	704	1.25	16	5	ND	3	15	1	2	4	30	.19	.068	3	11	.20	53	.09	3	.97	.02	.05	1	160
97+50W 51+00N	1	44	11	95	.1	26	12	365	2.17	13	5	ND	4	24	1	3	3	54	.31	.086	5	26	.45	85	.12	6	1.78	.02	.06	1	6
97+50W 50+75N	1	28	7	164	.2	21	12	718	1.76	9	5	ND	3	28	1	2	2	33	.37	.056	4	18	.24	112	.11	2	1.48	.02	.09	1	7
97+50W 50+50N	1	41	15	137	.2	27	12	538	2.16	5	5	ND	4	22	1	2	2	54	.28	.069	7	30	.47	83	.14	2	1.75	.02	.08	1	8
97+50W 50+00N	1	37	7	116	.2	28	11	512	2.24	4	5	ND	4	16	1	2	3	51	.19	.122	5	28	.38	90	.13	4	1.59	.01	.05	1	5
97+50W 49+75N	2	75	14	120	.2	30	13	430	3.00	8	5	ND	4	30	1	2	2	69	.30	.133	6	32	.50	96	.14	4	2.07	.01	.07	1	24
97+50W 49+50N	1	21	12	84	.1	13	7	565	1.45	6	5	ND	2	15	1	3	2	33	.19	.100	3	15	.19	73	.11	2	.95	.01	.04	1	15
97+50W 49+25N	2	99	10	112	.1	38	17	258	3.04	5	5	ND	5	23	1	2	2	73	.32	.071	8	36	.55	76	.15	2	2.19	.01	.08	1	1
97+50W 49+00N	2	85	12	96	.2	26	15	307	2.23	6	5	ND	3	16	1	2	2	52	.24	.033	4	18	.27	63	.11	4	1.53	.02	.03	1	20
97+50W 48+75N	4	115	21	182	.4	12	13	731	2.14	3	5	ND	2	26	1	2	2	42	.35	.073	3	11	.24	84	.08	3	1.12	.02	.04	1	74
97+50W 48+50N	1	60	12	132	.1	33	13	580	2.62	7	5	ND	3	32	1	2	2	59	.34	.114	7	28	.44	96	.13	2	1.90	.02	.08	1	39
97+50W 48+25N	2	129	6	138	.4	23	19	1074	2.46	8	5	ND	3	23	1	2	2	56	.33	.060	5	19	.28	86	.10	3	1.26	.02	.05	1	49
97+50W 48+00N	1	36	49	134	.1	26	13	637	2.29	5	5	ND	4	28	1	2	2	58	.39	.062	6	31	.46	79	.13	3	1.48	.02	.05	1	29
97+50W 47+75N	1	71	10	188	.1	32	17	568	2.38	7	5	ND	4	45	1	2	2	47	.51	.126	5	21	.34	84	.12	2	1.71	.02	.07	1	39
97+50W 47+50N	2	75	10	94	.1	14	27	907	4.04	8	10	ND	1	30	1	2	4	65	.52	.086	3	31	.48	84	.11	3	.97	.02	.05	1	46
97+50W 47+25N	2	53	6	113	.2	30	11	611	2.84	5	7	ND	1	15	1	2	2	69	.22	.081	6	31	.43	103	.13	2	1.98	.02	.06	1	6
97+50W 47+00N	1	82	13	95	.1	40	14	342	3.07	10	7	ND	2	28	1	2	3	74	.32	.065	12	45	.68	99	.15	3	2.35	.02	.10	1	7
97+50W 46+75N	1	21	10	106	.1	29	11	476	2.34	5	6	ND	1	22	1	2	3	50	.35	.154	6	25	.35	91	.14	2	2.11	.02	.06	1	7
97+50W 46+25N	1	95	9	218	.2	33	18	559	2.63	6	6	ND	1	21	1	2	2	54	.28	.177	7	27	.47	110	.13	3	1.88	.02	.07	1	5
97+50W 46+00N	1	33	10	221	.1	24	12	384	2.53	6	5	ND	1	22	1	2	2	51	.35	.209	6	27	.35	117	.12	2	1.90	.01	.04	1	95
97+50W 45+50N	1	48	8	209	.1	38	16	323	2.94	6	5	ND	1	28	1	2	2	61	.47	.095	10	38	.57	101	.16	6	2.43	.02	.12	1	6
97+50W 45+25N	1	14	6	96	.2	14	9	635	1.75	3	7	ND	1	24	1	2	2	45	.28	.050	4	16	.21	63	.11	2	1.11	.02	.05	1	7
97+50W 45+00N	1	33	10	138	.1	36	13	472	2.51	5	5	ND	1	40	1	2	2	53	.48	.064	6	22	.41	93	.13	4	2.11	.02	.06	2	10
96+50W 52+00N	1	34	7	144	.4	25	11	499	2.38	11	7	ND	1	19	1	2	2	51	.23	.113	9	29	.33	81	.14	5	1.80	.02	.06	1	58
96+50W 51+75N	3	191	5	212	.3	29	21	491	3.08	18	5	ND	1	28	1	2	2	57	.37	.087	6	25	.38	74	.12	4	1.68	.02	.07	1	36
96+50W 51+50N	1	33	4	109	.1	21	10	409	1.94	13	5	ND	1	18	1	2	2	42	.24	.121	7	21	.27	71	.13	2	1.23	.02	.06	1	8
96+50W 51+25N	1	48	6	84	.1	15	10	410	1.58	27	5	ND	1	19	1	2	2	40	.24	.081	4	14	.21	42	.09	2	.89	.02	.04	1	22
96+50W 51+00N	2	88	4	99	.2	22	16	613	3.87	22	5	ND	1	28	1	2	2	112	.50	.210	7	26	1.19	65	.12	3	1.98	.03	.07	1	220
STD C/AU-S	22	59	39	137	7.1	73	31	1057	3.95	44	18	8	34	50	17	15	18	65	.48	.107	38	61	.88	183	.08	34	1.72	.07	.15	12	51

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
96+50W 50+75N	1	17	5	91	.1	8	6	320	1.49	3	5	ND	1	14	1	2	2	33	.16	.163	4	12	.18	38	.09	5	1.09	.02	.03	1	18
96+50W 50+50N	1	16	4	76	.1	10	5	687	1.42	5	5	ND	1	29	1	2	2	36	.35	.059	4	11	.23	60	.08	5	.81	.02	.04	1	11
96+50W 50+25N	1	5	2	93	.1	6	3	211	1.12	2	5	ND	1	10	1	2	2	28	.14	.083	3	6	.12	28	.08	4	.81	.02	.03	1	33
96+50W 50+00N	1	18	3	116	.3	11	6	521	1.48	7	6	ND	2	19	1	2	2	35	.24	.143	5	15	.27	75	.09	4	1.07	.02	.04	1	6
96+50W 49+50N	2	80	3	102	.1	16	9	437	1.50	5	5	ND	1	14	1	2	2	35	.16	.059	4	14	.21	52	.09	3	.92	.01	.03	1	62
96+50W 49+25N	1	20	6	68	.1	14	6	373	1.43	8	5	ND	2	19	1	2	3	37	.24	.035	5	16	.24	52	.10	4	1.04	.02	.05	1	7
96+50W 49+00N	2	48	7	98	.1	9	10	727	1.45	2	5	ND	1	20	1	2	2	31	.22	.048	3	9	.13	61	.08	4	.88	.02	.04	1	4
96+50W 48+75N	2	26	8	225	.3	22	13	469	1.93	6	6	ND	2	11	1	2	2	39	.16	.143	4	19	.22	66	.11	6	1.45	.01	.06	1	11
96+50W 48+50N	5	194	7	116	.1	36	22	551	3.57	8	5	ND	2	23	1	2	2	77	.37	.073	5	31	.59	92	.13	9	2.00	.01	.07	1	18
96+50W 48+25N	3	108	4	151	.1	30	19	429	2.89	6	5	ND	1	22	1	2	3	63	.29	.076	5	27	.46	94	.13	4	2.05	.02	.05	1	8
96+50W 48+00N	3	26	5	109	.1	12	10	334	2.29	5	5	ND	1	16	1	2	2	52	.20	.054	2	13	.20	41	.12	4	1.24	.02	.04	1	6
96+50W 47+75N	3	52	7	253	.1	26	27	2530	4.80	6	5	ND	1	38	1	2	2	76	.64	.235	2	21	.45	146	.15	6	2.33	.03	.07	1	9
96+50W 47+50N	5	136	20	265	.2	43	30	567	4.46	5	5	ND	1	27	1	2	7	93	.44	.090	5	30	.68	72	.12	6	2.34	.01	.07	1	5
96+50W 47+25N	2	33	6	92	.1	18	9	228	1.89	2	5	ND	1	17	1	2	3	49	.31	.039	5	20	.39	71	.12	2	1.38	.02	.07	1	10
96+50W 47+00N	3	114	2	111	.1	37	18	613	3.08	6	5	ND	2	25	1	2	2	69	.40	.079	5	31	.56	93	.13	2	2.18	.02	.08	1	22
95+50W 52+00N	2	12	6	109	.3	18	8	452	1.85	5	5	ND	2	16	1	2	2	36	.23	.231	6	22	.25	95	.11	2	1.33	.01	.06	1	6
95+50W 51+75N	3	48	8	122	.1	22	12	342	2.09	5	5	ND	2	17	1	2	2	44	.22	.094	8	25	.31	63	.12	3	1.30	.01	.06	1	66
95+50W 51+50N	2	40	4	76	.1	20	8	335	1.78	5	5	ND	3	20	1	2	2	43	.26	.046	10	26	.37	65	.13	2	1.21	.02	.06	1	12
95+50W 51+25N	1	12	4	74	.1	9	5	530	1.28	5	5	ND	2	13	1	2	2	31	.16	.089	5	13	.17	59	.09	5	.78	.02	.04	1	7
95+50W 51+00N	2	22	2	89	.1	20	8	402	2.01	5	5	ND	2	25	1	2	2	47	.35	.128	8	25	.42	109	.11	5	1.46	.01	.07	1	128
95+50W 50+75N	1	13	3	86	.3	16	6	311	1.77	4	5	ND	1	16	1	2	2	39	.26	.123	5	18	.23	48	.11	3	1.42	.02	.05	1	11
95+50W 50+50N	1	24	5	86	.1	20	8	222	1.88	6	5	ND	2	20	1	2	2	40	.29	.159	7	23	.29	64	.12	6	1.24	.02	.05	1	5
95+50W 50+25N	1	57	2	77	.2	14	12	415	1.56	3	5	ND	1	15	1	2	2	31	.26	.079	3	11	.17	38	.08	4	.88	.02	.04	1	8
95+50W 50+00N	13	800	15	120	1.4	22	28	386	7.41	23	5	ND	1	19	1	2	2	111	.67	.316	2	16	.46	46	.09	13	2.44	.02	.05	1	250
95+50W 49+75N	6	797	7	107	.3	46	27	364	4.84	63	5	ND	2	28	1	2	2	87	.44	.065	7	38	.90	64	.12	3	1.90	.02	.09	1	98
95+50W 49+50N	3	297	5	118	.4	30	22	607	2.98	5	5	ND	2	29	1	2	2	66	.47	.051	5	26	.51	72	.13	2	1.57	.02	.05	1	69
95+50W 49+25N	2	31	6	113	.1	14	8	552	1.53	2	5	ND	1	13	1	2	4	32	.17	.079	4	14	.22	64	.10	5	1.03	.02	.04	1	4
95+50W 49+00N	2	46	4	155	.1	20	10	736	1.84	2	5	ND	1	20	1	2	3	41	.33	.064	6	20	.33	79	.11	3	1.33	.02	.06	1	7
95+50W 48+75N	4	66	5	89	.3	11	12	480	1.92	4	5	ND	1	20	1	2	2	36	.27	.044	3	11	.19	69	.09	2	1.11	.02	.04	1	42
95+50W 48+50N	3	103	6	107	.1	19	15	758	2.48	3	5	ND	1	31	1	2	3	53	.42	.076	4	23	.42	81	.10	3	1.36	.02	.05	1	13
95+50W 48+25N	3	135	2	217	.1	28	20	714	3.42	5	5	ND	1	22	1	2	3	66	.33	.086	6	26	.49	99	.13	4	2.26	.02	.07	1	590
95+50W 48+00N	1	16	5	77	.1	9	8	510	1.12	2	5	ND	1	11	1	2	2	26	.14	.043	3	9	.11	41	.07	2	.61	.02	.03	1	28
95+50W 47+75N	2	16	7	72	.1	13	7	549	1.43	2	5	ND	1	18	1	2	2	34	.29	.056	4	16	.22	71	.09	4	1.09	.02	.04	1	3
95+50W 47+50N	2	42	2	130	.1	37	19	1294	3.45	4	5	ND	1	47	1	2	2	68	.73	.139	7	35	.93	95	.13	8	2.08	.02	.07	1	22
95+50W 47+25N	1	13	6	95	.1	6	7	391	1.44	5	5	ND	1	13	1	2	2	35	.18	.082	3	12	.27	43	.11	2	1.05	.02	.05	1	4
95+50W 47+00N	1	25	7	131	.1	17	10	777	1.73	4	5	ND	1	16	1	2	2	35	.28	.107	4	15	.21	67	.10	2	1.16	.02	.05	1	23
STD C/AU-S	22	58	38	131	6.8	66	29	1010	4.01	39	19	8	33	47	16	15	19	62	.48	.103	38	56	.88	175	.08	34	1.72	.06	.12	13	53

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
86+50W 75+00N	1	17	3	88	.1	28	9	240	1.88	2	5	ND	1	18	1	2	2	52	.23	.081	7	25	.31	83	.14	3	1.49	.02	.05	1	8
86+50W 74+75N	1	11	9	117	.1	18	7	314	1.46	3	5	ND	1	13	1	2	3	38	.18	.066	4	17	.18	64	.10	2	1.14	.02	.05	1	1
86+50W 74+50N	1	13	2	140	.1	12	8	1657	1.61	6	5	ND	1	19	1	2	2	40	.36	.076	3	14	.24	79	.06	6	.91	.02	.05	1	2
86+50W 74+25N	1	10	6	75	.3	29	7	391	1.33	17	5	ND	1	11	1	2	5	36	.18	.053	3	26	.25	35	.08	3	.73	.02	.04	1	1
86+50W 74+00N	1	37	11	112	.1	18	9	400	1.86	4	5	ND	1	21	1	2	4	46	.29	.084	4	16	.24	50	.11	5	1.08	.02	.05	1	1
86+50W 73+75N	1	100	4	162	.2	55	19	431	3.76	9	5	ND	2	33	1	2	2	90	.43	.123	6	42	.73	111	.15	2	2.53	.02	.10	1	4
86+50W 73+50N	1	50	6	153	.1	38	14	433	3.11	7	5	ND	2	27	1	2	2	76	.36	.074	8	36	.60	144	.15	5	2.23	.02	.09	2	3
86+50W 73+25N	1	13	8	76	.1	15	7	509	1.44	2	5	ND	1	18	1	2	3	35	.27	.029	5	18	.22	78	.07	4	.96	.02	.06	1	1
86+50W 73+00N	2	62	6	98	.3	39	15	288	2.40	7	5	ND	3	17	1	2	2	60	.25	.054	6	29	.40	70	.14	5	1.69	.02	.08	1	37
86+50W 72+75N	1	125	4	75	.1	40	19	340	2.89	2	5	ND	2	32	1	2	2	71	.38	.047	10	40	.56	74	.16	2	1.76	.02	.09	1	51
86+50W 72+50N	1	17	6	106	.1	15	7	801	1.51	2	5	ND	1	17	1	2	2	41	.22	.068	5	19	.26	85	.10	6	1.05	.02	.05	1	10
86+50W 72+25N	1	65	9	150	.3	37	15	491	2.75	7	5	ND	2	28	1	2	2	71	.42	.111	7	35	.51	110	.15	2	2.14	.02	.10	1	26
86+50W 71+50N	1	23	9	143	.3	25	9	862	2.07	5	5	ND	2	24	1	2	2	50	.34	.178	6	26	.37	93	.13	6	1.43	.02	.08	1	3
86+50W 71+25N	1	32	2	151	.2	31	12	768	2.19	2	5	ND	1	26	1	2	2	53	.36	.120	6	27	.38	97	.14	2	1.52	.02	.07	1	1
86+50W 71+00N	1	47	2	114	.1	35	11	375	2.27	4	5	ND	2	23	1	2	2	63	.30	.084	7	35	.52	84	.15	6	1.66	.02	.10	1	4
85+50W 77+00N	2	50	9	168	.2	43	14	817	2.91	4	5	ND	2	32	1	2	2	74	.48	.180	7	45	.62	82	.14	6	1.65	.02	.10	1	4
85+50W 76+75N	2	12	13	85	.2	13	6	336	1.53	5	5	ND	1	11	1	2	4	44	.14	.064	3	15	.18	33	.11	3	.79	.02	.04	1	1
85+50W 76+50N	1	9	7	57	.1	10	5	243	1.33	4	5	ND	1	9	1	2	2	39	.10	.071	2	10	.12	23	.12	4	.68	.02	.03	1	2
85+50W 76+25N	1	31	10	138	.1	27	12	352	3.30	17	5	ND	3	21	1	2	2	77	.28	.169	7	36	.47	74	.17	6	2.23	.01	.07	1	11
85+50W 76+00N	1	19	5	98	.1	21	8	453	2.04	7	5	ND	2	19	1	2	2	58	.23	.062	7	27	.29	83	.15	4	1.14	.02	.06	1	1
85+50W 75+75N	1	62	8	122	.2	44	16	345	3.39	14	5	ND	3	37	1	2	2	79	.53	.080	10	45	.61	111	.17	7	2.56	.02	.06	1	8
85+50W 75+50N	2	68	12	202	.1	43	17	501	4.10	46	5	ND	1	60	1	2	2	89	.44	.124	7	36	.56	89	.14	6	2.12	.01	.09	1	41
85+50W 75+25N	1	34	11	180	.3	34	14	704	3.08	25	5	ND	2	31	1	2	2	72	.30	.186	7	35	.46	117	.14	2	2.19	.02	.06	1	2
85+50W 75+00N	1	29	9	177	.2	27	11	1622	2.49	18	5	ND	2	27	1	2	2	59	.27	.153	6	29	.37	178	.12	5	1.67	.02	.06	2	4
85+50W 74+75N	1	33	8	174	.2	33	11	254	2.33	6	5	ND	3	22	1	2	2	59	.29	.119	9	33	.43	84	.15	2	1.83	.02	.08	1	36
85+50W 74+50N	1	41	5	125	.4	21	11	733	1.94	11	7	ND	3	23	1	3	2	51	.32	.100	6	22	.29	76	.12	6	1.47	.02	.07	1	2
85+50W 74+25N	1	50	11	133	.1	29	14	567	2.53	19	5	ND	2	26	1	2	2	59	.26	.117	5	25	.35	115	.13	26	1.91	.02	.06	1	9
85+50W 74+00N	1	34	8	193	.1	33	11	445	2.28	21	5	ND	2	26	1	2	2	55	.31	.151	6	29	.38	128	.14	5	2.17	.02	.06	1	3
85+50W 73+75N	1	47	14	193	.2	20	13	662	2.26	15	5	ND	1	23	1	3	2	59	.27	.104	6	20	.39	95	.12	25	1.56	.02	.06	1	3
85+50W 73+50N	1	25	7	88	.1	18	7	329	1.68	9	5	ND	1	15	1	2	2	45	.21	.125	4	18	.25	67	.11	3	1.23	.02	.05	1	1
85+50W 73+25N	1	7	7	81	.1	9	4	823	.87	6	5	ND	1	11	1	2	2	23	.17	.063	2	8	.10	46	.07	2	.63	.02	.04	1	2
85+50W 73+00N	1	11	10	107	.1	17	9	1069	1.38	8	5	ND	1	16	1	2	2	36	.33	.065	3	13	.15	77	.09	4	1.08	.02	.05	1	5
85+50W 72+75N	1	44	4	136	.1	38	13	421	2.41	9	5	ND	2	27	1	2	2	60	.30	.076	8	34	.50	81	.14	6	1.69	.02	.09	1	30
85+50W 72+50N	1	8	11	135	.1	10	4	701	.98	8	5	ND	2	10	1	2	2	30	.12	.065	3	12	.11	53	.09	3	.75	.02	.05	1	1
85+50W 72+25N	1	30	2	209	.1	30	9	343	1.82	5	5	ND	2	23	1	2	2	50	.25	.061	8	32	.37	86	.14	4	1.55	.02	.09	1	2
85+50W 72+00N	2	21	7	219	.1	23	9	296	1.72	3	5	ND	1	15	1	2	2	42	.24	.069	4	21	.27	76	.11	2	1.31	.02	.07	1	118
85+50W 71+75N	2	13	2	76	.2	15	5	310	1.21	2	5	ND	1	15	1	2	4	33	.21	.037	4	16	.22	51	.09	3	.93	.02	.07	1	9
STD C/AU-S	21	62	43	138	7.1	76	30	1144	3.94	42	14	9	38	55	19	16	20	71	.48	.124	41	66	.88	202	.09	37	1.72	.07	.16	14	52

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
85+50W 71+50N	1	19	2	142	.2	22	8	446	1.84	2	5	ND	1	19	1	2	3	45	.31	.086	5	24	.36	99	.13	5	1.30	.02	.08	1	1
85+50W 71+25N	1	28	2	166	.1	32	11	230	2.30	2	5	ND	2	21	1	2	2	56	.32	.071	6	32	.49	79	.15	7	1.96	.02	.07	1	1
85+50W 71+00N	1	26	2	141	.2	21	10	1098	1.91	2	5	ND	1	24	1	2	2	48	.38	.097	5	24	.25	115	.10	3	1.27	.02	.07	1	29
84+50W 77+00N	2	40	10	284	.2	30	15	566	2.89	2	5	ND	1	19	1	3	2	61	.22	.060	4	30	.36	63	.14	2	1.46	.02	.06	1	1
84+50W 76+75N	1	17	3	154	.1	7	9	1098	2.21	2	5	ND	1	18	1	2	2	47	.31	.072	3	14	.15	55	.10	4	.76	.02	.03	1	2
84+50W 76+50N	3	55	8	206	.1	30	19	387	4.07	13	5	ND	5	24	1	2	2	91	.32	.236	6	26	.57	75	.16	2	2.45	.02	.06	1	1
84+50W 76+25N	2	77	7	224	.2	31	16	907	2.97	15	5	ND	5	26	1	3	2	71	.33	.132	5	31	.50	90	.13	8	1.61	.02	.05	1	9
84+50W 76+00N	3	36	25	368	.1	24	15	497	3.31	35	5	ND	2	30	1	3	2	63	.30	.088	4	28	.44	65	.13	5	1.84	.02	.06	1	51
84+50W 75+75N	3	30	10	239	.1	19	15	490	3.19	10	5	ND	1	22	1	2	3	62	.32	.113	3	20	.43	55	.11	5	1.60	.02	.06	1	15
84+50W 75+50N	2	12	8	177	.4	12	10	348	3.16	29	5	ND	1	32	1	3	2	73	.47	.297	3	24	.14	48	.16	6	2.35	.02	.05	1	1
84+50W 75+25N	1	51	2	193	.1	30	15	288	2.59	4	5	ND	2	19	1	2	2	67	.29	.065	8	32	.47	67	.15	9	1.95	.02	.06	1	3
84+50W 75+00N	2	63	3	413	.1	28	18	378	3.78	13	5	ND	1	25	1	2	2	80	.32	.127	6	30	.59	84	.13	3	2.27	.02	.06	1	2
84+50W 74+75N	1	52	2	184	.2	25	18	555	2.95	13	5	ND	1	17	1	2	2	62	.28	.113	6	24	.32	66	.11	2	1.82	.02	.05	1	4
84+50W 74+50N	2	127	3	305	.2	37	28	945	6.97	3	5	ND	1	49	1	2	3	132	.80	.100	6	45	1.37	28	.24	4	2.43	.08	.05	1	2
84+50W 74+25N	1	30	7	162	.1	20	11	821	2.01	6	5	ND	1	20	1	2	2	45	.29	.073	5	20	.32	67	.11	5	1.35	.02	.05	1	12
84+50W 74+00N	1	33	8	120	.1	17	10	875	2.35	29	5	ND	1	20	1	2	2	54	.29	.118	4	20	.37	97	.09	2	1.42	.02	.06	1	27
84+50W 73+75N	1	35	4	126	.1	25	13	678	2.52	9	5	ND	1	18	1	2	2	59	.26	.067	6	26	.41	117	.11	3	1.73	.02	.07	1	3
84+50W 73+50N	1	44	2	59	.1	25	12	205	2.18	2	5	ND	2	21	1	2	2	61	.27	.032	10	36	.53	65	.14	4	1.49	.02	.07	1	5
84+50W 73+25N	1	69	8	93	.1	26	14	214	2.83	41	5	ND	1	20	1	2	2	62	.23	.031	7	32	.58	77	.11	2	1.67	.01	.07	1	18
84+50W 73+00N	1	96	31	189	.3	23	17	748	3.09	19	7	ND	1	18	1	3	2	63	.26	.141	5	27	.53	109	.09	4	1.67	.02	.06	1	91
84+50W 72+75N	1	27	7	138	.2	9	10	760	2.18	4	5	ND	1	14	1	2	2	47	.22	.100	3	16	.26	67	.10	2	1.16	.02	.05	1	6
84+50W 72+50N	4	269	23	162	.5	70	37	552	4.93	7	5	ND	1	21	1	3	2	89	.58	.134	8	38	.65	84	.12	4	2.55	.02	.06	1	10
84+50W 72+25N	2	123	5	132	.2	30	18	465	3.00	4	5	ND	2	25	1	3	2	79	.38	.050	9	43	.68	88	.11	5	1.76	.02	.07	1	16
84+50W 72+00N	3	70	4	121	.4	27	16	430	3.62	12	5	ND	1	52	1	2	2	83	.96	.043	8	45	.78	121	.14	12	2.17	.03	.08	1	20
84+50W 71+75N	1	42	7	104	.4	18	10	552	1.98	3	7	ND	1	24	1	3	2	52	.36	.068	6	24	.39	84	.10	4	1.39	.02	.05	1	2
84+50W 71+50N	1	29	6	201	.2	26	12	563	2.48	4	5	ND	2	16	1	2	2	55	.26	.150	7	30	.47	97	.13	5	1.81	.02	.07	1	7
84+50W 71+25N	1	32	7	138	.1	24	12	501	2.23	4	5	ND	3	18	1	2	2	53	.29	.099	6	26	.45	86	.13	4	1.64	.02	.07	1	6
84+50W 71+00N	1	56	2	102	.1	22	12	536	2.32	2	5	ND	3	25	1	2	2	60	.42	.069	6	29	.51	73	.12	5	1.51	.02	.08	1	2
83+50W 77+50N	1	87	10	131	.2	22	16	692	2.65	4	5	ND	2	21	1	2	2	79	.39	.092	5	35	.58	48	.14	3	1.44	.02	.06	1	8
83+50W 77+25N	1	43	10	110	.2	14	11	807	1.99	2	5	ND	2	16	1	2	2	58	.28	.083	4	24	.37	49	.12	2	1.01	.02	.05	1	5
83+50W 77+00N	1	28	10	181	.1	18	11	721	2.08	2	5	ND	2	16	1	2	2	55	.31	.082	5	25	.32	80	.14	6	1.25	.02	.05	1	1
83+50W 76+75N	2	110	3	98	.3	35	17	303	2.97	2	5	ND	3	30	1	2	2	93	.40	.042	7	48	.83	102	.17	9	2.48	.02	.08	1	3
83+50W 76+50N	2	192	62	125	.8	41	23	419	3.40	11	5	ND	4	28	1	3	2	96	.39	.091	8	44	.82	91	.16	5	2.38	.02	.07	1	640
83+50W 76+25N	2	187	16	216	.3	39	27	495	4.86	18	5	ND	4	22	1	4	2	90	.34	.108	9	38	.63	62	.15	11	1.95	.01	.08	1	13
83+50W 76+00N	2	57	8	160	.1	30	18	468	3.77	9	5	ND	3	26	1	2	4	78	.25	.105	7	33	.51	73	.15	3	1.84	.01	.06	1	2
83+50W 75+75N	1	27	2	64	.1	13	7	298	1.42	5	5	ND	2	10	1	2	2	38	.14	.043	6	20	.23	46	.10	3	.98	.02	.04	1	12
STD C/AU-S	20	57	40	139	7.2	68	32	1084	3.95	41	17	8	36	50	18	15	18	67	.48	.110	37	62	.88	190	.09	33	1.72	.07	.13	12	52

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
83+50W 75+50N	1	30	2	122	.3	26	10	271	2.11	4	5	ND	2	14	1	3	2	49	.22	.049	9	31	.46	94	.13	2	1.67	.01	.06	1	1
83+50W 75+25N	1	27	4	119	.4	24	9	265	2.02	4	5	ND	3	14	1	2	2	48	.21	.045	9	31	.45	90	.13	2	1.62	.01	.05	1	2
83+50W 75+00N	1	31	2	108	.1	19	9	703	2.05	3	5	ND	1	20	1	2	2	50	.41	.057	6	28	.43	87	.11	3	1.31	.01	.09	1	1
83+50W 74+75N	1	14	8	67	.3	13	6	224	1.50	4	5	ND	1	21	1	2	2	33	.32	.051	4	15	.28	67	.05	3	1.13	.01	.05	1	2
83+50W 74+50N	1	95	9	106	.2	32	15	246	3.82	25	5	ND	1	20	1	2	2	74	.27	.036	8	35	.88	137	.05	6	2.41	.01	.07	1	6
83+50W 74+25N	1	58	3	95	.3	25	10	336	2.91	31	5	ND	1	17	1	2	2	61	.26	.047	6	33	.63	91	.08	4	1.82	.01	.05	1	17
83+50W 74+00N	2	162	8	85	.3	36	17	441	3.56	11	5	ND	3	34	1	2	3	82	.49	.067	11	42	.86	134	.15	14	2.32	.02	.10	1	22
83+50W 73+75N	1	52	9	219	.4	31	13	363	2.88	4	5	ND	2	15	1	2	2	61	.27	.117	5	30	.52	129	.14	2	2.44	.02	.07	1	2
83+50W 73+50N	1	58	4	214	.3	29	13	339	2.91	9	5	ND	1	15	1	2	2	64	.26	.109	8	32	.53	134	.14	4	2.46	.02	.07	1	1
83+50W 73+25N	1	19	2	75	.2	11	7	536	1.52	6	5	ND	1	12	1	2	2	34	.19	.077	3	15	.20	69	.08	2	.93	.01	.04	1	1
83+50W 73+00N	1	67	4	76	.2	35	13	281	3.19	7	5	ND	1	20	1	2	3	68	.26	.065	6	38	.81	107	.10	5	2.13	.02	.07	1	3
83+50W 72+75N	1	80	3	66	.3	34	13	286	3.26	5	5	ND	2	22	1	2	2	68	.27	.051	7	39	.90	102	.10	2	2.11	.01	.07	1	1
83+50W 72+50N	1	29	8	101	.1	32	13	437	2.60	5	5	ND	2	21	1	2	2	58	.37	.046	8	35	.55	112	.14	5	1.97	.01	.09	1	1
83+50W 72+25N	1	68	8	83	.1	28	17	294	2.71	5	5	ND	1	28	1	2	3	54	.40	.027	5	20	.43	132	.13	5	2.22	.02	.07	1	2
83+50W 72+00N	1	12	5	126	.4	12	6	765	1.52	4	5	ND	1	16	1	2	2	34	.31	.097	3	13	.20	80	.09	4	1.17	.02	.06	1	1
82+50W 78+00N	1	90	6	58	.1	20	12	366	2.57	2	5	ND	1	36	1	2	3	72	.35	.039	3	28	.63	56	.14	2	1.73	.02	.05	1	23
82+50W 77+75N	1	30	7	88	.2	25	9	346	2.47	2	5	ND	1	22	1	2	2	67	.35	.064	4	33	.60	56	.16	3	1.48	.02	.04	1	1
82+50W 77+50N	1	36	4	102	.3	16	10	298	2.46	4	5	ND	1	13	1	2	2	63	.19	.115	3	25	.36	53	.13	2	1.51	.01	.04	1	11
82+50W 77+25N	1	12	2	61	.2	15	8	317	1.71	3	5	ND	1	12	1	2	2	45	.21	.033	4	20	.26	38	.11	2	1.13	.02	.03	1	15
82+50W 77+00N	2	32	6	26	.1	22	9	130	2.16	6	5	ND	1	22	1	2	2	59	.31	.008	5	28	.49	74	.06	4	1.65	.01	.02	1	1
82+50W 76+75N	1	31	18	59	.5	14	8	89	2.70	18	5	ND	1	13	1	2	2	70	.17	.017	4	23	.25	55	.05	5	1.45	.01	.02	1	26
82+50W 76+50N	2	74	5	104	.4	36	14	184	3.21	9	5	ND	2	18	1	2	2	73	.22	.026	8	36	.50	93	.14	4	2.21	.01	.05	1	1
82+50W 76+25N	1	12	8	83	.2	8	7	285	1.54	3	5	ND	1	10	1	2	2	37	.18	.031	3	15	.16	33	.08	2	.62	.02	.02	1	1
82+50W 76+00N	2	151	12	125	.3	16	33	1043	6.96	12	5	ND	1	14	1	2	4	132	.28	.143	8	15	1.32	97	.03	4	2.35	.01	.07	1	106
82+50W 75+75N	1	43	9	88	.3	25	9	299	2.29	8	5	ND	2	16	1	2	2	51	.27	.078	7	27	.46	89	.10	2	1.55	.01	.05	1	2
82+50W 75+50N	1	45	4	86	.2	22	10	475	2.25	2	5	ND	1	20	1	2	2	52	.32	.050	5	29	.43	138	.11	3	1.62	.01	.05	1	1
82+50W 75+25N	1	60	7	125	.3	20	9	302	2.07	5	5	ND	1	15	1	2	2	49	.31	.059	4	19	.27	49	.10	2	1.23	.02	.04	1	1
82+50W 75+00N	1	35	5	145	.2	19	10	795	1.86	5	5	ND	1	35	1	2	2	47	.91	.072	4	27	.50	75	.08	4	1.11	.02	.07	1	1
82+50W 74+75N	1	80	6	113	.1	38	14	242	2.88	3	5	ND	2	27	1	2	2	68	.39	.057	8	34	.59	68	.13	2	2.34	.01	.07	1	1
82+50W 74+50N	1	43	4	95	.2	22	10	413	2.16	5	5	ND	1	23	1	2	2	47	.43	.064	6	24	.39	61	.10	83	1.38	.01	.06	1	2
82+50W 74+25N	1	15	4	106	.1	16	7	323	1.62	3	5	ND	1	14	1	2	2	38	.23	.058	5	18	.24	55	.11	2	1.15	.01	.05	1	1
82+50W 74+00N	2	23	6	140	.1	23	10	793	2.09	5	5	ND	2	21	1	2	4	47	.36	.064	6	25	.35	95	.12	4	1.56	.02	.07	1	1
82+50W 73+75N	1	23	10	158	.2	26	11	277	2.48	3	5	ND	2	20	1	2	2	55	.28	.098	6	28	.39	79	.14	2	1.79	.02	.06	1	1
82+50W 73+50N	1	9	5	109	.1	17	6	316	1.59	4	5	ND	2	17	1	2	3	36	.28	.082	6	22	.26	63	.12	4	1.11	.01	.06	1	1
82+50W 73+25N	1	11	8	140	.1	23	8	429	1.99	2	5	ND	1	19	1	2	4	43	.33	.105	6	24	.33	71	.13	2	1.54	.01	.07	1	1
82+50W 73+00N	5	376	4	87	.3	25	22	327	10.01	2	5	ND	2	71	1	2	5	76	.38	.120	8	34	.47	103	.13	4	2.17	.01	.10	1	93
STD C/AU-S	20	59	38	127	6.9	64	28	983	3.93	39	19	7	34	47	17	15	19	61	.48	.094	35	56	.88	177	.08	36	1.72	.06	.13	13	52

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
82+50W 72+75N	4	226	12	96	.5	21	20	440	7.82	7	5	ND	2	55	1	2	2	66	.36	.156	9	28	.36	129	.13	10	1.94	.02	.10	1	16
82+50W 72+50N	1	24	12	137	.3	23	10	714	1.89	4	5	ND	1	19	1	2	2	40	.33	.067	6	23	.36	88	.12	2	1.44	.02	.07	1	1
82+50W 72+25N	1	19	9	96	.2	22	9	228	1.98	3	5	ND	2	18	1	2	2	50	.29	.027	8	27	.47	71	.16	2	1.57	.02	.06	1	69
82+50W 72+00N	1	33	9	92	.3	22	10	798	1.89	2	5	ND	1	20	1	2	2	49	.35	.043	6	23	.39	77	.12	3	1.32	.02	.09	1	12
STD C/AU-S	21	57	40	131	6.9	64	30	1005	3.95	38	18	7	33	48	17	15	20	62	.48	.102	37	57	.88	178	.08	33	1.72	.06	.14	12	50