

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

85-132-13523
03/86

13,528

SOIL GEOCHEMICAL SURVEY
KEN CLAIM
RECORD NO. 1693

VERNON MINING DIVISION
NTS 82/15 E
180°34' W and 49°56' N

Owner and Operator
K.S.Wengryn

Report prepared by
G.L.VenHuizen, P.Eng.
516 Ballantree Place
West Vancouver, B.C.
V7S 1W5
20 March 1985

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I. INTRODUCTION

A) Geographic and Physiographic Position

The Ken Mining Claim is located in the vicinity of 118°34' W longitude and 49°56'N latitude in British Columbia, the Osoyoos Division of the Yale Land District, and within Vernon Mining District. It is located in NTS 82E/15E. The area is a plateau at an elevation of approximately 1,700 meters above sea level. The location of the area is shown on Figure I, which is the general area of Lightning Peak. Lightning Peak is located about 7.5 kilometers south of the claim.

The access to the area may be gained from Vernon, B.C., by Highway 6, 80 kilometers to the Kettle River Road, 10 kilometers south on Kettle River Road to Forestry road K-50. Along K-50 for about 10 kilometers to the top of the plateau, 3 kilometers west on the Waterloo Road, and 4 kilometers north on the Dictator trail. A four-wheel drive vehicle is required.

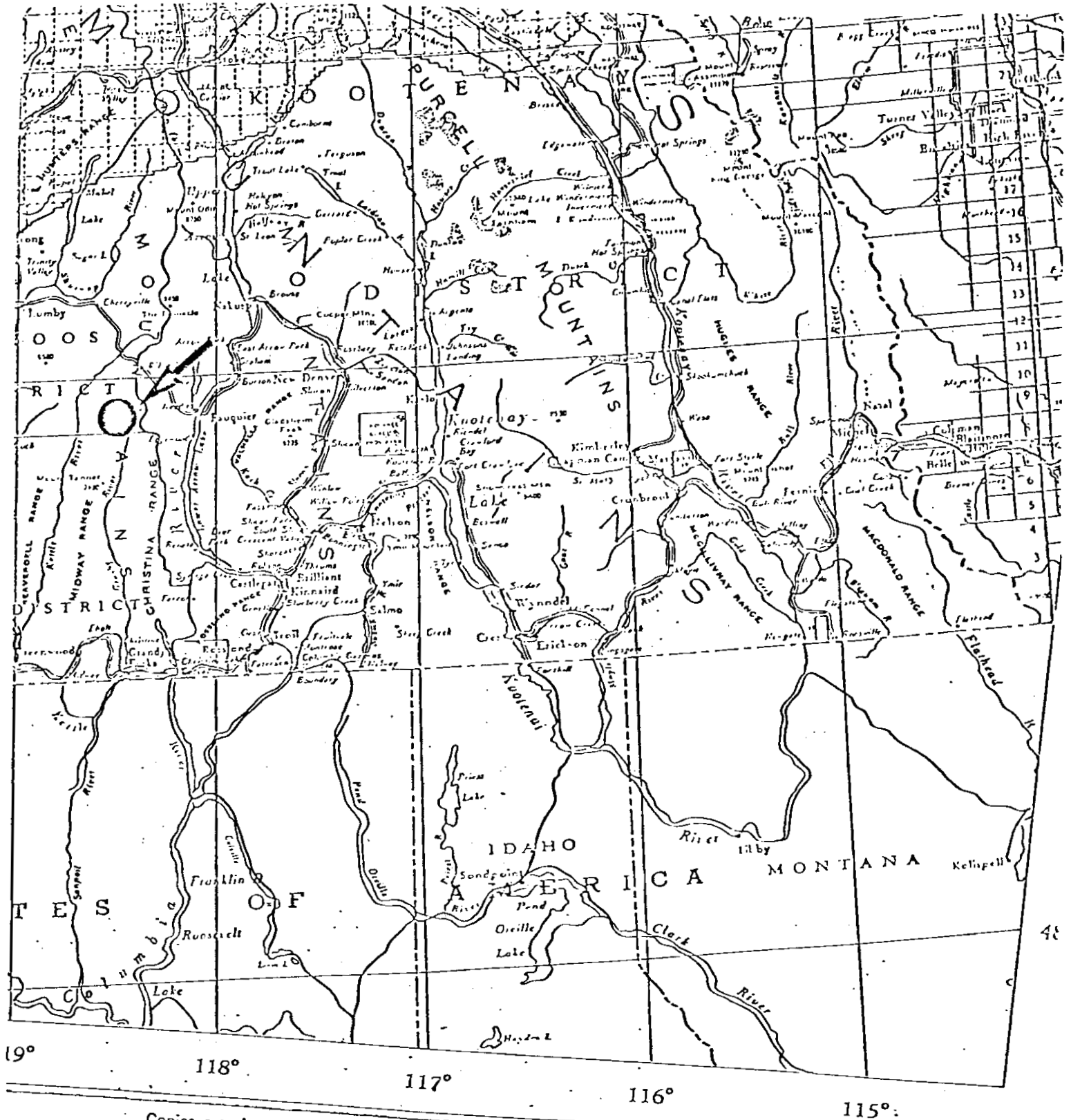
The claim is located on a gently sloping plateau in the vicinity of Lightning Peak. The claims are approximately at 1,700 meters above sea level. Poor quality forest covers the area and in places the tree vegetation is so sparse that large portions of the area may be described as parkland.

B) Property Definition

The Ken Mining Claim consists of the following:

<u>Name</u>	<u>Tag. No</u>	<u>Date Staked</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Mining Division</u>
Ken	96131	23 Feb. 84	16	1693	Vernon

The property was staked on 23 Feb. 84 by Kenneth S. Wengryn of 1899 Queens Avenue, West Vancouver, B.C. who is also the current owner. The 16 units surround the Dictator Crown Grant and the Rob I mining claim.



Copies may be obtained from the Map Distribution Office, Department of Mines and Technical Surveys, Ottawa

FIGURE 1: LOCATION OF LIGHTNING PEAK AREA

C. Summary of Work Done

On July 11 to 15, 1984, a geochemical survey was carried out by the author assisted by H. Yasayko and J. Verbeek. During this time 152 soil and 3 rock samples were gathered and later analyzed by Min-En Laboratories, North Vancouver. The soil samples were taken from the "B" horizon from depths not greater than 35 cm. except in places where it was not possible to penetrate the "A" horizon due to swampy conditions. All sample locations were flagged and labelled in the field.

II. DETAILED TECHNICAL DATA AND INTERPRETATION

A) General Geology

The entire area of the Ken Mining Claim is underlain by Nelson Granite, which is a coarse grained granodiorite. Numerous dykes and other related intrusives of basic composition are present in the claims area. Their extent cannot be shown as no detailed geological mapping has been performed to date.

Overburden is thin to very thin, being from a fraction to about 3 meters. The overburden is comprised of regolith or in other words, weathered bedrock in place. Glacial sediment cover is absent. Because of the foregoing, structure is readily observable by local topographic expression.

Aerial photo interpretation showed numerous shear zones throughout the area. Two formerly mined deposits located in Rob I and Crown Grant Dictator claims are situated on such shear zones as observed on the ground and on aerial photographs. Small outcrops along the shear zone as observed in the field, showed weak to strong hydrothermal alterations.

B) Purpose of the Sampling Program

The purpose of the sampling program was to:

- 1.) Interpret aerial photos and locate linear features which could be mineralized shear zones.
- 2.) Collect soil samples along selected features in order to determine if anomalous metal values are present in the soil which may indicate the presence of economically mineralized zones.
- 3.) Undertake a program which satisfies the year one assessment requirements as outlined by the Mineral Act Regulations of British Columbia.

C) Description of Procedures

The geochemical sampling was performed by sampling the "B" horizon of the soils. The "B" horizon was present from 15 to 30 cm. below the surface and was rust or reddish in color. In locations of ground water discharge or undrained depressions, no "B" horizon was present and thus any material occurring at a depth from 30 to 40 cm. was sampled. The sampling was along the axes of the shear zones. The sample interval was 10 meters. Occasional samples were collected from the margins of the shear zones. The locations of the samples are shown on Map I.

A total of some 152 soil samples and 3 rock outcrop samples were analysed by Min-En Laboratories, North Vancouver. The samples were analysed for Ag, As, Bi, Cd, Mn, Mo, Pb, Sb, Sr, Zn, and Ba using the I.C.P. method. A separate analysis was performed for gold, by the aqua regia method. The results are reproduced in Appendix A.

D) Results and Interpretation

Map I entitled "Soil Geochem Results, Ken Claim", is enclosed. It shows the locations and numbers of the samples, and the gold and silver results, except for the rock samples. The individual analysis results, as given

in Appendix A for gold and silver are shown on the map. Symbolic presentation of gold and silver values is also shown on the map by separate symbols. For gold the following categories were chosen:

5-10 ppb	background
15-25 ppb	slightly anomalous
30-45 ppb	anomalous
50+ ppb	highly anomalous

The highest gold value obtained was 370 ppb, sample A 2+90.

Similarly, silver results were divided into the following categories:

0-0.9 ppm	background
1.0-2.9 ppm	slightly anomalous
3.0-4.9 ppm	anomalous
5.0+ ppm	highly anomalous

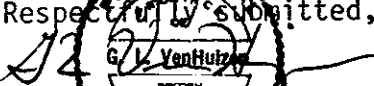
The highest silver result is 4.7 ppm A 1+00.


With the exception of the sample at A 2+90, no anomalous gold values were found on the sample lines. Silver values were also found to be low, although many values were found to be in the anomalous category.

E) Conclusions and Recommendations

Geochemical sampling on the Ken mining claim during 1984 revealed no significant gold or silver anomalies. Further geochemical work should be carried out as follows:

- 1.) Dig test pits to determine if the correct size fraction and soil horizons are being sampled.
- 2.) Resample selected areas where the highest silver and gold values were found during 1984.
- 3.) Continue sampling along the linear fractures as interpreted from aerial photographs.

Respectfully submitted,

G.L. Venhuizen, Eng.



ITEMIZED COST STATEMENT

WAGES:

11th to 15th July 1984		
5 days	G. VenHuizen	\$800.00
5 days	H. Yasayko	\$400.00
5 days	J. Verbeek	<u>\$300.00</u>
Total Wages		\$1,500.00

MEALS AND ACCOMODATION: 100.00

TRANSPORTATION: 11 - 15 July 1984

Mileage		
(1,300 km @ .17¢/km)	\$220.00	
Gas	<u>\$ 96.00</u>	
Total Transportation		\$ 316.00

ASSAYS:

Sample Preparation
155 samples analysed by I.C.P. for
Ag, As, Bi, Cd, Mn, Mo, Pb, Sb, Sr, Zn and Ba
155 samples analysed by AA for Au

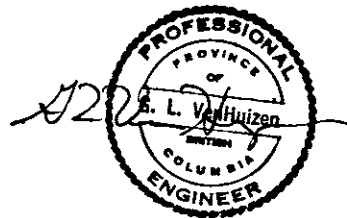
Total Analyses	\$1,822.00
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REPORT:

G.L. VenHuizen 1 day @\$200.00	<u>\$ 200.00</u>
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GRAND TOTAL

\$3,938.00

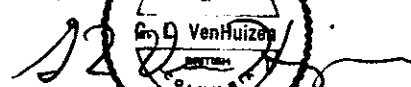


CERTIFICATION

I, G.L. VenHuizen, of 516 Ballantree Place, West Vancouver, B.C., hereby certify as follows:

- 1) I am a registered member of the Association of Professional Engineers of British Columbia.
- 2) I am a graduate of the University of Minnesota, with a Bachelor of Science Degree in Geo-Engineering.
- 3) I have practiced engineering and geology in exploration development, and mining during the past 5 years.
- 4) I have no interest directly or indirectly in the Ken Mining Claim.
- 5) The information contained in this report is the result of sampling carried out by me or under my supervision.

Respectfully submitted


G. L. VenHuizen, P.Eng.

20 March 1985

APPENDIX A

PROJECT No:

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 5-27S/P344

ATTENTION: L.A. BAYROCK

(604)980-5814 OR (604)986-4524

TYPE SOIL GEOCHEM

DATE: JANUARY 29, 1985

(REPORT VALUES IN PPM)	AG	AS	BI	CD	MN	MO	PB	SB	SR	ZN	BA	AU-PPB
A1+50	.5	0	2	1.4	77	3	15	0	38	28	64	5
A1+60	1.1	0	4	1.4	54	3	21	0	38	25	54	10
A1+70	1.0	5	3	1.0	84	3	19	0	40	39	69	5
A1+90	.7	0	3	.7	186	2	15	0	28	70	68	5
A2+00	3.1	0	7	1.2	329	4	14	0	42	30	47	10
A2+60	1.2	5	3	.7	143	3	13	0	20	45	48	5
A2+70	.5	9	3	.6	120	3	15	0	24	33	41	10
A2+90	.5	5	3	.7	97	3	15	0	23	37	38	370
A3+10	.5	10	2	.6	82	2	14	0	17	36	46	10
A3+50 40M	.7	3	0	2.1	438	3	11	0	57	10	49	20
A3+60	.8	47	2	.8	1110	13	34	0	46	53	82	5
A3+70	1.0	2	2	1.1	1260	3	15	0	34	35	60	5
A3+80	1.8	15	4	.9	317	4	24	0	50	108	143	5
A3+90	2.0	2	2	1.0	293	3	15	0	45	46	63	5
A4+10	2.0	9	1	.8	403	4	25	0	44	66	104	5
A4+30	3.1	2	2	1.7	492	3	27	0	47	79	104	10
A4+50	2.7	0	1	2.9	36	1	55	0	33	38	67	5
A4+60 40M	2.2	5	0	3.3	14	1	23	0	25	11	37	10
A4+70 40M	1.1	1	0	3.2	14	1	10	0	29	7	31	5
A4+80 40M	1.6	3	0	3.6	11	1	15	0	26	9	47	5
A5+10	1.8	0	1	2.1	116	2	11	0	27	15	49	5
A5+20	1.8	2	2	1.5	987	3	16	0	37	46	83	5
A5+30	1.4	4	1	1.0	76	2	16	0	30	32	58	5
A5+50	1.2	10	4	5.4	2590	5	23	0	47	114	128	5
A5+60	1.3	7	3	1.3	307	4	22	0	45	73	76	5
A5+70 40M	1.5	16	3	.8	222	3	20	0	40	62	73	5
A5+80 40M	.9	0	0	6.4	49	2	7	0	35	22	48	5
A6+00	2.0	3	3	3.7	62	3	21	0	47	68	82	20
A6+10	2.3	1	2	.9	139	2	21	0	44	33	74	5
A6+20 40M	1.4	1	0	1.5	18	1	5	0	38	6	33	5
A6+60	2.8	21	5	2.8	3630	7	38	0	73	81	249	5
A7+50	3.1	4	5	1.0	168	6	17	0	48	37	53	5
A7+60	1.1	14	3	1.1	303	4	26	0	37	76	74	5
A7+70	2.3	7	2	.9	162	4	21	0	50	80	96	5
A7+90	1.3	10	2	.9	278	3	19	0	31	52	60	10
A8+00	1.9	16	3	1.0	272	4	25	0	35	66	86	5
B0+00 40M	1.4	2	2	1.4	43	2	10	0	47	15	53	5
B0+10	1.7	10	6	.7	200	4	16	0	61	57	78	10
B0+20	1.6	7	1	1.2	68	2	13	0	29	25	51	10
B0+30	.8	5	0	1.9	76	2	8	0	36	12	43	5
B0+40	1.9	4	1	.8	106	2	12	0	31	34	53	5
B0+50 40M	1.6	4	1	1.5	332	3	14	0	48	49	67	5
B0+60	2.2	8	2	1.1	277	3	22	0	48	81	84	5
B0+70	1.6	10	4	1.2	442	4	19	0	54	94	93	5
B0+80	1.3	14	3	1.1	292	4	21	0	47	95	88	5
B0+90	1.9	13	4	1.3	397	5	25	1	58	114	101	10
B1+00	1.8	20	4	.9	379	6	25	0	59	106	99	5
B1+10	2.0	21	3	1.2	719	4	22	0	61	91	96	5
B1+20	1.0	17	4	1.2	691	4	21	0	43	79	88	5
B1+30	1.6	25	4	1.3	883	5	28	1	57	119	104	5
B1+40	1.5	25	5	.6	591	5	23	0	48	112	98	5
B1+50	1.0	11	4	.9	258	4	21	0	41	97	85	5
B1+60	.9	11	5	1.3	439	4	19	0	48	114	100	10
B1+70	1.5	16	5	.8	319	4	23	0	43	116	83	5
B1+80	1.2	20	4	.7	498	4	25	0	47	125	91	5
B1+90	1.3	17	4	.9	355	4	23	0	45	122	89	5
B2+00	1.0	16	5	.9	523	4	18	0	46	116	96	5
B2+10	1.3	17	3	1.4	440	4	20	0	38	93	80	5
B2+20	1.8	13	2	1.4	833	4	17	1	46	87	90	5
B2+30	1.6	14	3	1.7	1120	3	20	1	40	72	97	5

REPORT VALUES IN PPM)	AS	AS	EI	CD	MN	MO	PB	SB	SR	ZN	BA	AU-PPM
H1+00	4.7	5	7	.8	271	5	21	0	61	65	106	5
H0+80	2.2	8	6	.8	559	4	25	0	52	85	103	5
H0+70	1.7	11	5	1.5	1910	5	41	0	67	113	143	5
H0+40	2.2	9	5	1.4	1410	5	38	0	55	109	117	5
H0+20	1.4	8	6	.8	649	4	20	0	44	80	89	5
H0+00	4.2	6	3	1.5	694	4	20	0	62	42	90	5
D0+50	.7	5	5	.6	108	4	16	0	30	47	37	5
D0+70	1.4	23	8	.7	359	6	30	0	53	110	86	5
D0+80	.7	8	4	.5	202	3	18	0	27	52	49	5
D0+90	.8	5	4	.4	138	3	18	0	25	48	46	5
D1+00	.6	6	4	.6	128	3	16	0	26	43	39	10
D1+10	1.4	8	6	.5	244	4	25	0	34	60	66	5
D1+30	1.4	8	5	.7	522	4	22	0	41	58	76	10
D1+40	.9	8	4	.6	144	3	20	0	26	48	51	5
D1+50	1.9	8	5	.9	430	4	20	0	39	55	73	5
D1+60	1.0	10	5	.4	698	4	18	0	38	56	69	5
D1+80	1.5	8	6	.6	360	3	18	1	39	53	59	5
D1+90	.8	8	5	.5	457	3	16	0	37	59	55	10
D2+00	.9	9	6	.9	921	4	19	0	38	74	72	5
D TRENCH	.6	0	3	1.6	1060	2	19	4	30	33	39	5
D TRENCH 2	.9	27	4	.5	434	3	20	2	73	27	81	5
D TRENCH FLOAT	.4	26	3	.4	396	2	19	1	34	26	42	5
D35A	1.2	16	3	1.1	399	4	83	2	42	159	81	5
D36B	2.1	25	11	1.4	961	4	53	0	76	422	199	5
D36C	.9	10	4	2.2	1470	3	64	0	51	244	109	5
D37A	4.7	8	5	1.7	208	4	53	0	60	166	82	5
D37C	4.0	1	3	1.6	146	3	43	0	55	109	77	5
D37D	3.3	4	4	.6	81	4	22	0	46	64	106	5
D38B	.6	6	2	.4	67	2	17	0	20	38	66	5
D38C	4.7	1	3	1.5	218	3	36	0	58	109	101	5
D134A	1.6	9	2	2.7	617	4	18	0	56	166	124	10
D134B	.8	11	1	.9	299	3	22	0	29	79	69	5
D134C	.5	9	2	.9	196	4	22	0	42	92	66	5
D135C	.8	14	3	.9	213	2	28	0	25	66	93	5
D137B	.9	16	2	.5	191	2	21	0	21	62	68	10
D137C	1.5	7	2	1.4	162	3	16	0	43	62	76	5
D138A 40M	4.3	5	2	3.0	668	4	27	0	88	84	187	5
D138B	2.7	28	4	1.4	1220	5	36	1	76	83	196	10
D138C	1.8	1	1	1.8	149	3	19	0	58	69	107	5
D139C	1.0	10	1	1.0	240	3	23	0	48	61	92	5
D140A	3.3	28	3	6.6	582	8	40	0	79	230	163	5
D140B	.8	17	1	.7	149	3	20	0	24	65	62	5
D141B	1.7	16	3	1.2	1040	4	28	1	64	78	156	10
D141C	1.0	17	2	1.0	139	4	24	0	24	68	56	10
D142B	.8	16	3	1.2	205	3	27	0	27	65	67	5
D143A 40M	2.4	18	3	15.0	1300	6	28	1	95	173	151	5
D143B	.7	10	2	.6	158	2	19	0	23	48	59	5
D145A 40M	2.6	9	3	9.7	330	3	22	0	62	175	152	5
D145B 40M	3.4	37	6	33.5	3370	8	47	2	70	378	238	5
D145C	2.7	9	3	1.4	447	4	18	0	43	85	86	10
D146A	3.8	19	4	9.2	660	7	39	1	73	266	238	5
D146B	3.1	20	3	11.0	937	4	28	0	55	446	135	5
D147A	2.9	29	4	3.4	262	5	31	0	94	178	270	5
A0+10	1.2	5	6	.6	29	2	12	0	31	13	21	5
A0+20	1.6	17	7	.4	31	4	42	1	50	18	45	5
A0+25	2.0	7	7	.4	23	3	22	2	37	21	17	5
A0+70	.4	3	2	.8	42	2	16	0	40	19	60	5
A0+80	.6	14	3	.5	43	3	17	0	28	21	49	10
A0+90	1.3	15	3	.4	115	3	24	0	40	49	68	10
A1+00	1.5	2	2	.7	57	2	17	0	46	24	64	5

(REPORT VALUES IN PPM)	AG	AS	BI	CD	MN	MO	PB	SB	SR	ZN	BA	AU-PPB
B2+40	1.3	5	3	1.8	984	3	13	0	41	62	84	5
B2+50	1.8	4	3	1.7	1350	2	12	0	42	51	89	5
B2+60	2.1	4	3	2.3	1230	2	11	0	45	43	98	5
B2+70	1.6	0	2	1.8	268	2	12	0	35	19	58	10
B2+80	1.2	0	2	2.5	38	1	7	0	36	17	47	5
B2+90	1.8	3	3	.7	186	2	12	0	40	36	66	5
B3+00	2.2	7	3	1.4	695	3	20	0	49	65	85	5
B3+10	1.5	10	2	2.4	814	3	20	0	50	61	84	5
B3+20	1.3	10	2	14.8	106	2	15	0	49	10	59	10
B3+30	.7	4	2	2.7	84	1	12	1	56	7	54	5
B3+40 20M	.3	4	0	.9	15	1	7	1	74	4	54	5
B3+50 40M	.3	5	1	.7	14	2	5	1	81	5	54	5
E0+00	1.5	14	4	.8	376	5	21	0	44	60	72	5
E0+00C	1.2	38	6	1.2	2290	6	36	0	60	91	106	5
E0+10	1.7	21	4	.6	471	5	19	0	49	61	72	5
E0+20	1.6	24	5	.6	2510	5	26	0	48	50	73	5
E0+30	1.2	23	4	.9	1920	5	23	0	48	58	92	5
E0+30C 40M	.8	34	4	1.1	2800	5	29	0	32	79	104	5
E0+40	1.5	28	6	1.3	4040	5	27	0	45	53	92	5
E0+50	1.5	20	3	1.1	457	4	22	0	52	51	87	5
E0+60	1.5	18	4	.6	464	5	20	0	46	62	78	5
E0+60C 40M	1.0	42	7	2.0	6670	7	36	1	43	87	215	5
E0+70	2.1	20	5	1.0	1150	6	22	0	47	68	80	5
E0+80	1.5	18	4	.6	434	4	20	0	46	66	80	5
E0+90C 40M	.9	42	4	1.0	3760	5	35	0	32	72	169	5
C0+00C 20M	.4	5	2	.4	109	1	6	0	11	24	26	5
I0+70	1.6	9	5	1.2	659	3	21	0	43	54	67	5
I0+80	2.1	18	4	.4	681	4	23	0	47	77	82	5
J0+00	.9	13	2	.6	58	5	23	0	31	31	41	5
J0+20	3.3	9	5	.5	131	6	21	0	64	45	68	5
205A	1.3	6	5	.9	428	4	15	0	32	57	59	5
207A	1.3	12	5	.3	526	3	20	0	30	55	68	10
208A	1.6	7	6	.4	395	3	16	0	34	45	58	5
209A	1.2	9	7	.5	608	3	15	0	30	58	65	5
210A	1.6	13	5	.5	1150	4	29	0	37	61	65	10

