

LOG NO: 01 23	HL
ACTION:	
FILE NO:	

GEOCHEMISTRY REPORT
ON OMEGA GROUP CLAIMS

FILMED

54 127 N.E.
Omenica M.D. 93L/14W and 93L/14E

by

D. A. Davidson P.Eng.

for

Climax Molybdenum Corporation of British Columbia Ltd.

January 13, 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,569

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1 /
PHYSIOGRAPHIC AND GEOLOGIC SETTING	3 /
PHYSIOGRAPHY	3 /
GEOLOGY	4 /
1. ROCK TYPES	4 /
2. MINERALIZATION	6 /
GEOCHEMISTRY	7 /
GENERAL STATEMENT	7 /
DESCRIPTION OF THE STUDY AREA	9 /
SAMPLE COLLECTION AND PREPARATION	10 /
LABORATORY ANALYSIS	10 /
STATISTICAL CONSIDERATIONS	10 /
CONCLUSIONS	15 /
CERTIFICATE	17 /

LIST OF ILLUSTRATIONS

		PAGE
FIGURE 1	MAP SHOWING LOCATION OF OMEGA GROUP AND STUDY AREA 1:50,000	2 /
FIGURE 2	MAP SHOWING TOPOGRAPHY AND STUDY AREA 1:50,000	8 /
FIGURE 3	FREQUENCY DIAGRAM FOR Au.	11 /
FIGURE 4	FREQUENCY DIAGRAM FOR Ag	12 /
FIGURE 5	FREQUENCY DIAGRAM FOR Zn	13 /
MAP 1	MAP SHOWING TRAVERSE LINES AND CLAIM BOUNDARIES 1" = 500'	IN POCKET /
MAP 2	MAP SHOWING Au ANOMALIES 1" = 500'	IN POCKET /
MAP 3	MAP SHOWING Zn ANOMALIES 1" = 500'	IN POCKET /

APPENDICES

- I LISTING OF MINERAL TITLES IN THE OMEGA GROUP ✓
- II LISTING OF ANALYTICAL RESULTS ✓
- III STATEMENT OF PROJECT COSTS ✓

INTRODUCTION

The OMEGA Group of Mineral Claims is on the eastern flank of Hudson Bay Mountain approximately three miles northwest of Smithers, BC. (Fig. 1). This group is a large block of claims and mineral leases held by Climax Molybdenum Corporation of British Columbia Limited.

This Company has explored a large molybdenum deposit, and over 9000 feet of tunneling and 175,000 feet of diamond drilling have been completed to date.

Geological studies on the mountain suggest that mineralogical zoning in vein systems is well developed. The molybdenum deposit is located in the high temperature core of this zonal arrangement. It is surrounded by a concentric arsenic - zinc - gold zone, which in turn is surrounded by an outer zone characterized by arsenic - zinc - lead and silver.

An earlier surface study tested the suitability of rock geochemistry as an exploration tool at high elevations in the intermediate zone. (Rock Geochemistry on Zeta Group Claims November 1, 1987 Assessment Report). The limited results suggested that further work was warranted.

The present study incorporates data from this work and expands the study over most of the Simpson Gulch basin above timberline.

PHYSIOGRAPHIC AND GEOLOGIC SETTING

PHYSIOGRAPHY

The area of interest is near the northwestern edge of the Nechako Plateau (a sub-division of the Interior Plateau), and is about 40 miles east of the Coast Mountains. Hudson Bay Mountain is a prominent feature of the Hudson Bay Range, an isolated group of rugged mountains about 200 square miles in area. The elevations of peaks exceed 8600 feet above sea level. Slopes below 6000 feet have been modified by continental glaciation. The range is isolated by broad "U"-shaped valleys whose floors range from 1000 to 3000 feet in elevation.

Relief on the eastern flank of the Hudson Bay Range is marked. The mountain rises sharply from the Broad "U"-shaped valley of the Bulkley River at approximately 1650 to 1700 feet above sea level. Peaks in excess of 8600 feet exist slightly more than two miles west of the 2000 foot elevation near the edge of the valley. Slopes may exceed 30 degrees above the 3500 foot elevation.

The Hudson Bay Range is drained by a series of steep, incised streams. Alluvial fans are developed by some of the larger streams near the change of slope near the 2000 foot elevation. Most streams are capable of the mechanical transport of large particles. Individual channels are

charged with sub-rounded to angular material up to one foot in diameter.

Climate in the Smithers area is described as semi-arid in government publications. Average annual precipitation is less than 20 inches. However, deep snow build-up on the mountains can result in heavy spring runoff.

Timberline on the Hudson Bay Range occurs near the 4500 foot elevation. Below this, the slopes and valley floor are well forested with one or more of hemlock, spruce, balsam, poplar, jack pine, cottonwood and alder.

GEOLOGY

1. ROCK TYPES

Most of the rocks exposed on the Hudson Bay Range are a bedded sequence of Hazelton volcanic rocks of intermediate composition. Small, irregular felsitic intrusions and a large, lenticular rhyolite sill occur within the pyroclastic pile. These rocks are considered to be Jurassic in age.

Continental and marine clastic sedimentary rocks of the Bowser Group unconformably overlies the volcanic strata on the eastern flank of the Hudson Bay Range. Grey to black greywacke, siltstone, argillaceous quartzite and argillite are the dominant rock types in the group. These rocks are Upper Jurassic to Lower - Cretaceous in age. Somewhat similar rocks outcrop in a few localities in the valley.

floor, however, their relationship to the Bowser Group rocks has yet to be established.

Small amounts of granodiorite - quartz monzonite outcrop in the northern half of the Hudson Bay Range. These rocks appear to be of the same age as a tabular mass of granodiorite aplite that has been encountered below the surface on Hudson Bay Mountain. The age of these rocks has been designated by government geologists as Jurassic - Cretaceous (?).

A small steep sided plug of quartz porphyry intrudes the volcanic rocks and the lower portion of the granodiorite below the underground workings on Hudson Bay Mountain. This rock is mostly of pre-mineral age, but some breccia and texturally and compositionally related dykes exhibit an intermineral relationship.

A large buried stock of porphyritic (feldspar) quartz monzonite truncates the small quartz porphyry plug and the related intermineral phases. This stock appears to form the core of Hudson Bay Mountain, and is believed to be the source of a sub-radial dyke swarm. Relatively late intermineral relationships are exhibited by this unit, which has been dated as Tertiary by the G.S.C. (K/Ar dating of 67 ± 5 m.y.).

MINERALIZATION

Mineral deposits on Hudson Bay Mountain exhibit a crude mineralogical arrangement in concentric zones, centered by silica - molybdenum - tungsten - copper mineralization. This zone is successively surrounded by the Quartz Vein Zone (1 1/2 x 2 miles in area), the Pyritic Zone (2 1/2 x 4 miles in area, which includes the Quartz Vein Zone), and the Base Metal Zone comprising numerous small vein and replacement deposits distributed over several square miles. The Base Metal Zone has been subdivided into an inner zinc -gold - copper - arsenic zone, and an outer lead - silver -copper-arsenic zone.

The Hudson Bay Mountain molybdenum deposit lies in the central portion of the above zonal arrangement. Here, molybdenite-bearing veins and fractures occur over a vertical interval of 7000 feet. These veins overlap and grade outward into pyrite-quartz veins, pyrite veins, and pyrite and iron oxide coated fractures spaced 6 inches to 1 foot apart in the Pyritic Zone. Mineralogy, texture and relative ages of the veins and fractures are complex.

Molybdenite, and lesser amounts of scheelite-powellite and chalcopyrite, are the minerals of chief economic interest in the high temperature core. Other metallic minerals in the stockwork include abundant pyrite, pyrrhotite and magnetite, and minor to rare amounts of wolframite,

arsenopyrite, galena, sphalerite, bismuthinite and native arsenic. The predominant gangue mineral is quartz, and it may be accompanied by minor amounts of one or more of the following: carbonate, potash feldspar, sericite-muscovite, chlorite, biotite, amphibole, fluorite, and gypsum.

In the study area, most of the mineralization is associated with veins and sheetings of veins that trend northeasterly and dip at moderate to steep angles to the west. These braided, branching, subparallel quartz veins from hairline to two foot widths occur in zones up to fifty wide. These structures would appear to correlate with the vein systems found near the Duthie Mine on the southwest side of the mountain.

Arsenopyrite is the predominant metallic mineral found in the quartz veins, with minor amounts of sphalerite, chalcopyrite, pyrite, and rarely galena. Gold values appear to be associated with arsenopyrite.

GEOCHEMISTRY

GENERAL STATEMENT

The study area covers the drainage basin of Simpson Creek on the eastern slopes of Hudson Bay Mountain. (Fig. 2)

Traverses were run on ridge crests and peaks as well as along the base of cliffs in the valley bottom. Elevations varied from 5300 to 7650 feet. All sample sites were above

FIGURE 2

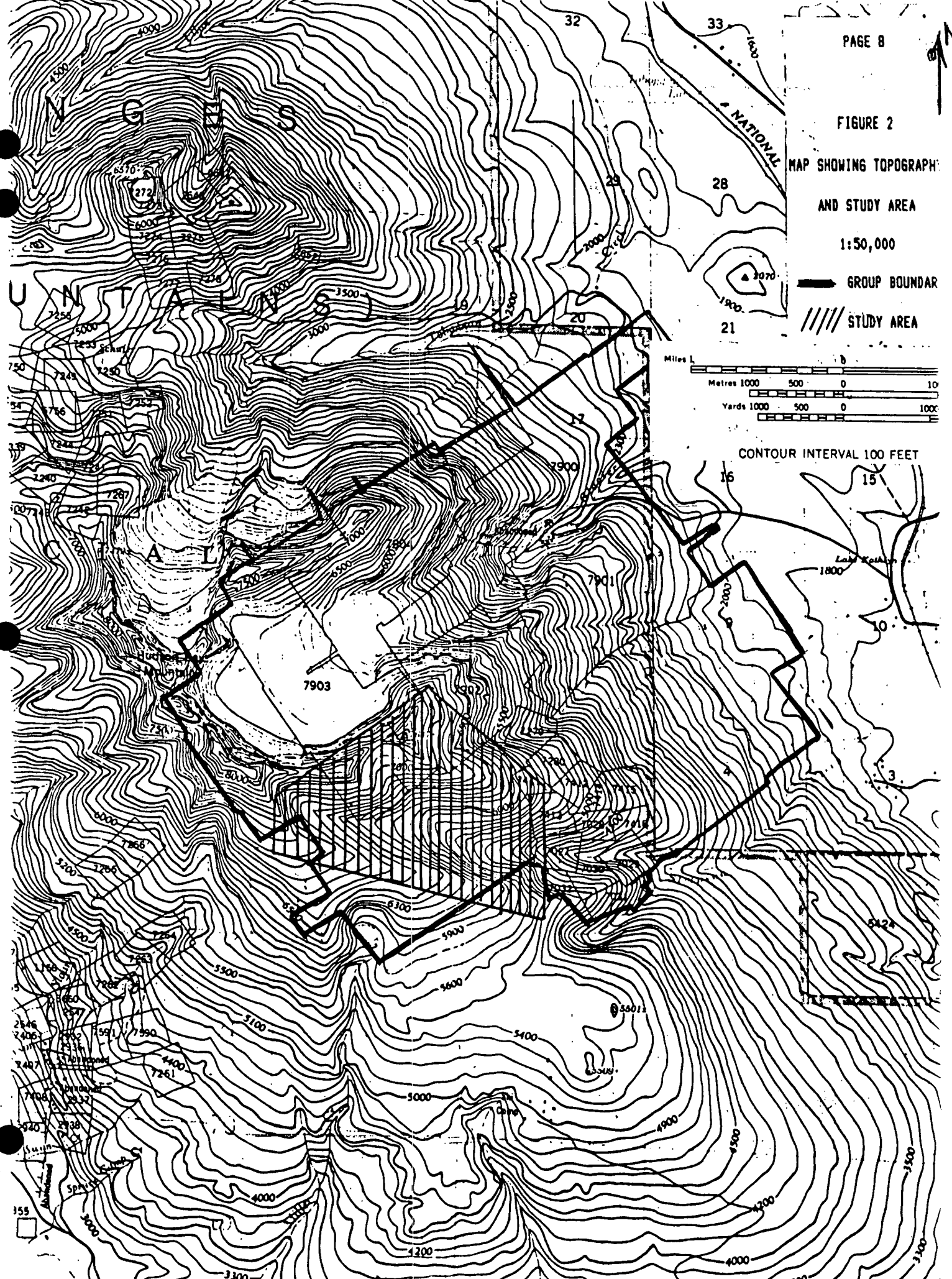
MAP SHOWING TOPOGRAPHY

AND STUDY AREA

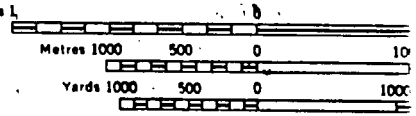
1:50,000

GROUP BOUNDAR

STUDY AREA



CONTOUR INTERVAL 100 FEET



timberline, and soil profiles were poorly developed. The location of traverses is shown in detail on Map 1.

The purpose of the study was to further delineate the anomalous gold zones indicated in a 1987 study. A total of 283 samples were taken. Data from 47 samples of the 1987 study are incorporated in the present work.

DESCRIPTION OF THE SURVEY AREA

The area covered by the study traverses are underlain mostly by volcanic rocks of the Hazelton Group. These consist mostly of lenticular layers of tuffs, tuff breccias, crystal and lapilli tuffs of rhyolitic-andesitic composition. Light grey felsitic bodies of irregular shape are intrusive into the pyroclastic rocks. In general, the Hazelton rocks strike west to northwest and dip moderately north. Locally structural complexities are evident.

Hazelton rocks are overlain by Bowser Group sedimentary rocks that strike northerly and dip moderately east. A large plate of Bowser rocks cover Hazelton rocks below the 5800 foot elevation. Above this small plates and infolds of Bowser rocks were noted in the volcanic sequence.

All of these units are cut by northwest striking steep dipping porphyritic (feldspar) quartz monzonite dikes that are radial to the large buried stock that forms the core of the mountain.

SAMPLE COLLECTION AND PREPARATION

The traverse lines were run by tape and compass with ties to prominent topography. Samples were taken every 100 feet on slope distance. Alternate sites were staked and flagged.

At all sample sites an attempt was made to collect material that was as fine as possible. Approximately 300 grams of material constituted a sample. The samples were subsequently dried in their bags and forwarded to the laboratory for analysis.

LABORATORY ANALYSIS

Analyses were done by Min-En Laboratories Ltd. in North Vancouver, BC. A 31 element ICP was performed. Gold was determined by fire assay. Results of the determinations are given in the Appendix.

STATISTICAL CONSIDERATIONS

The distribution of gold values was the main objective of the study. An obvious zinc anomaly was noted from the results of data from Traverse No. 2 at the base of the south wall of Simpson Creek. Data for Au, Ag, and Zn were studied in order to define background and anomalous values for the study area. Frequency distribution diagrams have been plotted for these elements (Figure 3, 4 and 5). All of the

FIGURE 3

FREQUENCY DIAGRAM
FOR Au

$n = 330$
MODE = 50
MEDIAN = 140
MEAN = 188 (HIGH SCOT TO 1700)

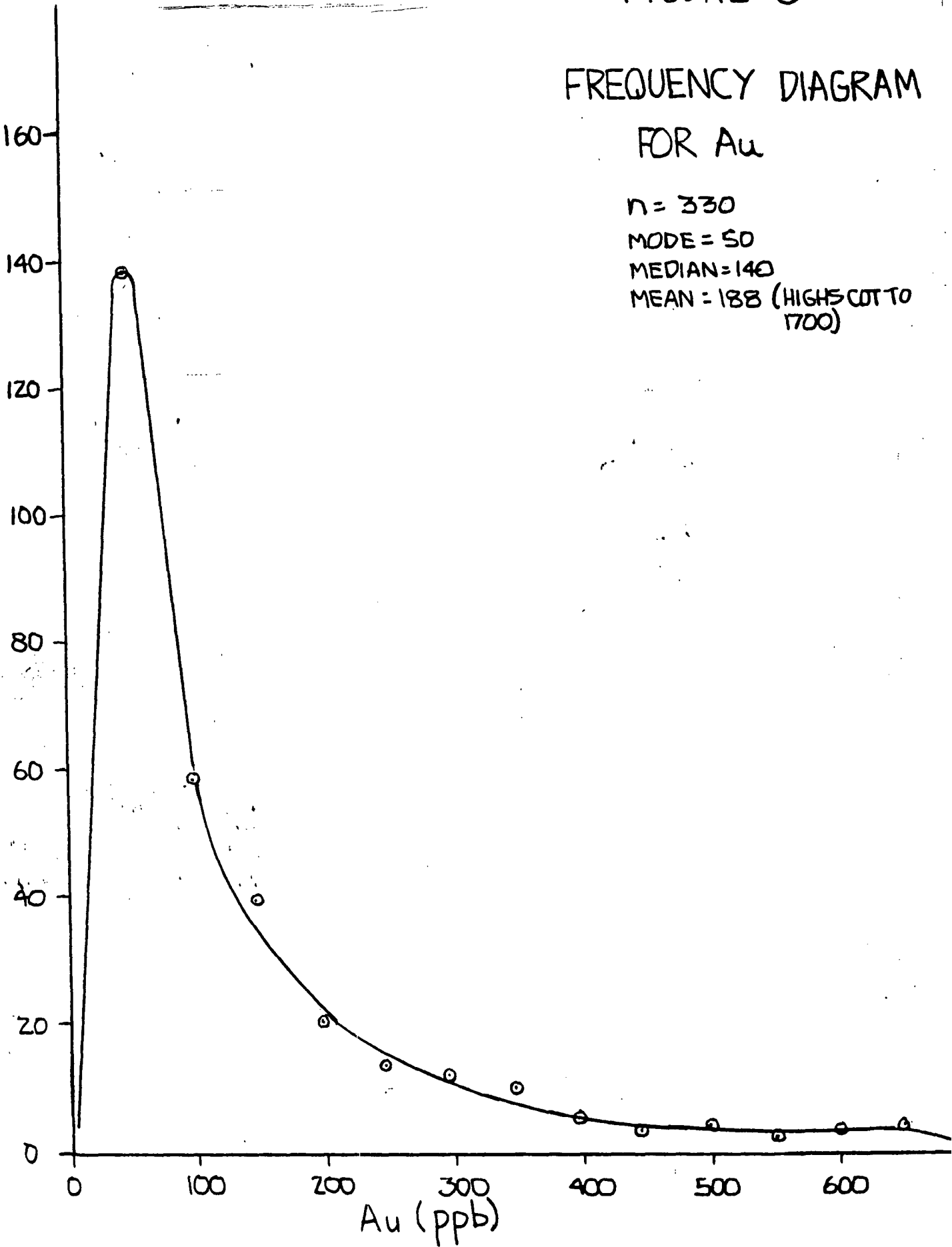


FIGURE 4

FREQUENCY DIAGRAM

FOR Ag

$n = 330$

MODE = .7

MEDIAN = .88

MEAN = .95

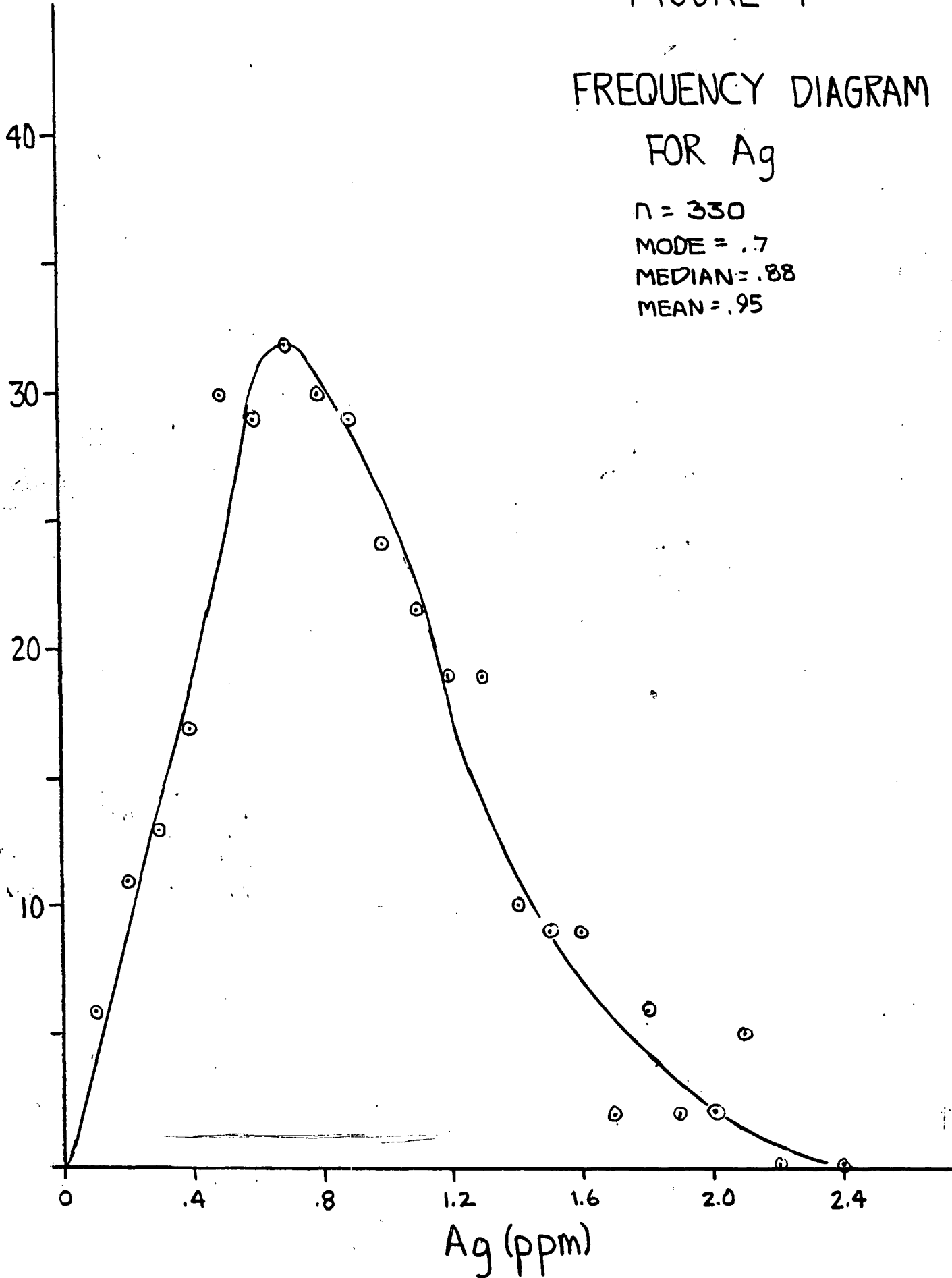
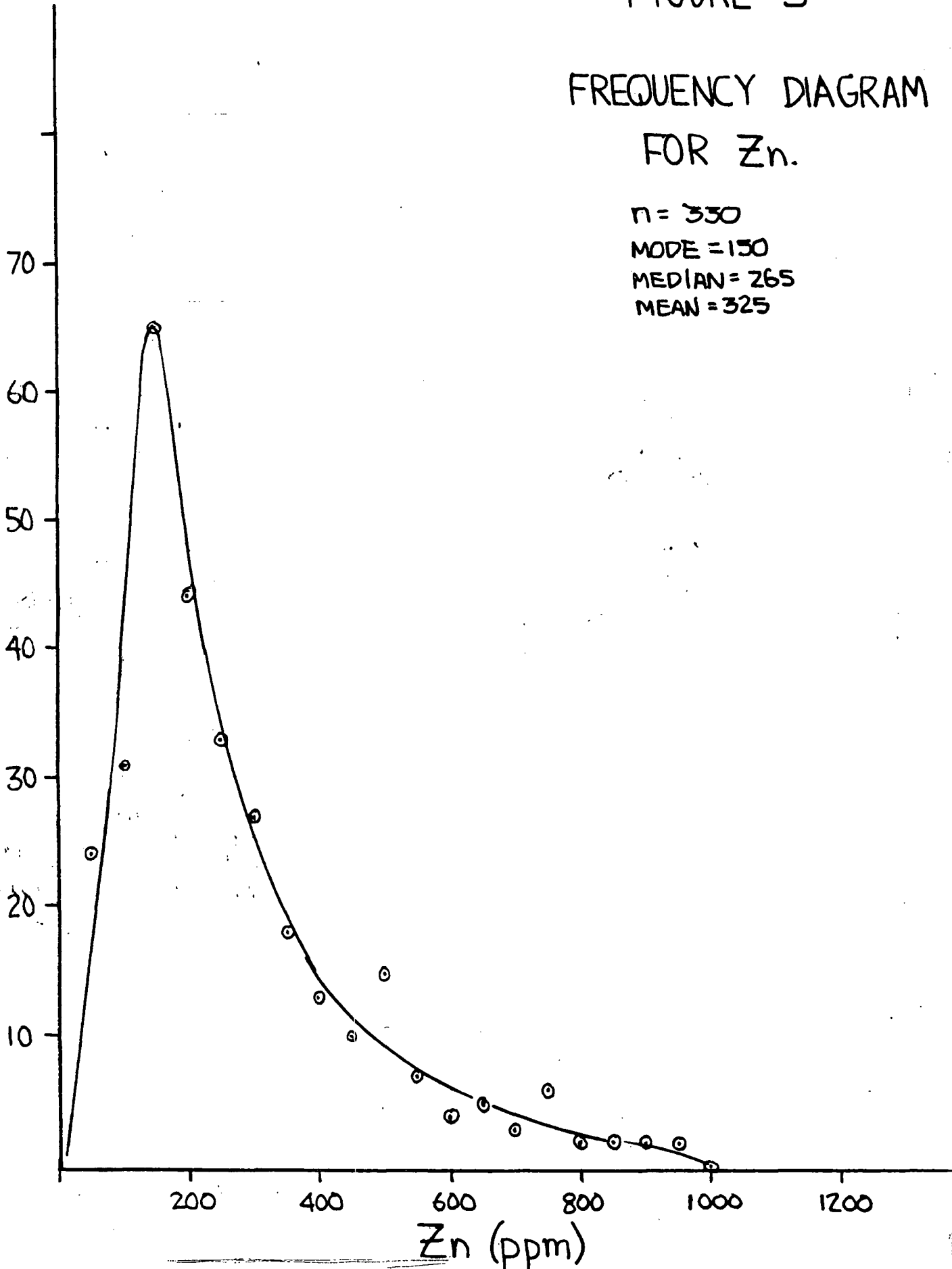


FIGURE 5

FREQUENCY DIAGRAM
FOR Zn.

$n = 330$
MODE = 150
MEDIAN = 265
MEAN = 325



curves are positively skewed and unimodal.

The mode, or curve peak, is arbitrarily taken as the background value. Using the law of log normal distribution, we have then defined the threshold or minimum concentration level of prospecting significance as 2 times background. Weak, moderate, and strongly anomalous values are taken as 2 to 4, 4 to 8, and 8 to 16 times background, respectively. Extremely anomalous values exceed 16 times background. The following tabulation illustrates the significant values determined for each element in the study.

ELEMENT	MODE	THRESHOLD	WEAK	MODERATE	STRONG	EXTREME
Au(ppb)	50	100	101-200	201-400	401-800	=>801
Ag(ppm)	.7	1.4	1.5-2.8	2.9-5.6	5.7-11.2	=>11.3
Zn(ppm)	150	300	301-600	601-1200	1201-2400	=>2401

In addition to the mode, the arithmetic mean and geometric median of the data for these elements were also determined.

ELEMENT	MODE	ARITHMETIC MEAN	GEOMETRIC MEDIAN
Au(ppb)	50	188*	140
Ag(ppm)	.7	.95	.88
Zn(ppm)	150	325	265

(*Values in excess of 1700 ppb cut to 1700 ppb)

A test for moderate skewness of unimodal frequency is given by the empirical relation:

$$\text{MEAN} - \text{MODE} \approx 3(\text{MEAN} - \text{MEDIAN})$$

This test shows that the determinations satisfy the relationship.

CONCLUSIONS

Silver values are very low throughout the study area. A weak anomaly appears to be developing along the most southerly traverse. This would indicate that the study area is within the intermediate gold-arsenic-zinc zone.

Statistical studies of gold values show background values (50ppb) that greatly exceed local and regional values. Map No. 2 shows the distribution of anomalous values. A well defined zone about 2000 feet wide trends NE-SW across the upper reaches of Simpson Gulch, and appears to correlate with mineralized zones around the Duthie Mine some 2 miles to the southwest. The surface trace of this zone is compatible with a strong northeast striking, moderate to steep northwest dipping vein trend that is found in the study area. Narrower anomalous zones up to 500 feet wide occur southeast of the main zone. Arsenic, and to a lesser extent copper, appear to be pathfinder elements for gold. However, neither of these were statistically studied.

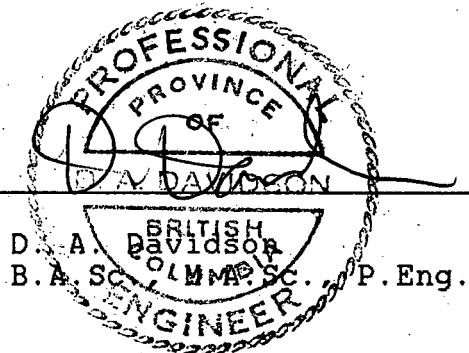
Zinc values for the most part are similar to those found

in other studies to the north and east of the present area. However, a strong anomaly was found near the base of cliffs on the south side of the Simpson Creek basin (Map No. 3). Cadmium values are anomalous in areas of higher zinc.

CERTIFICATE

I, Donald A. Davidson of Smithers, BC do certify that:

1. I am a geological engineer.
2. I am a graduate of the University of British Columbia B.A.Sc. 1957, M.A.Sc. 1960.
3. I am a registered Professional Engineer in the Province of British Columbia.
4. From 1954 to the present I have been involved in mining and mining exploration activities.



APPENDIX I

LISTING OF MINERAL TITLES IN OMEGA GROUP

	RECORD NO.
MINING LEASE M-8	
MINING LEASE M-81/85 INCLUSIVE	
E-No. 5/6	11782/83
E-No. 8	11751
Extension 10, 12, 14, 16	13983, 85, 87, 89
Extension 18/20	16078/80
F-1/F-5	63872/76
F-10, 12, 14	63881, 83, 85
F-2 Fr.	63600
H-14 Fr.	15867
H-26 Fr.	32863
H-31 Fr.	40708
Liz Fr.	23278
M-76/84	34238/46
M-89/94	34251/56
M-47/52	14586/91
M-57/62	14596/601
M-65/68	14604/07
S-No. 7/8	11755/56
R-No. 6	11753
R-No. 7/8	11785/86
Y-No. 7/8	11779/80

APPENDIX II

COMP: CLIMAX
 PROJ:
 ATTN: DON DAVIDSON

TRAVERSE 1

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 9S-0276-SJ1+2
 DATE: OCT-13-89
 * TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
0	1.9	32230	1	1	195	.6	12	4210	.1	24	71	84000	12490	25	6150	1716	1	260	1	2760	23	1	5	1	1	130.4	78	3	1	2	129	3
1	.4	3760	144	1	186	.3	2	1500	.1	39	43	37990	1570	2	1600	200	2	270	26	320	9	1	3	1	1	51.1	31	1	1	10	1348	2
2	.6	4960	106	1	82	.1	3	890	.1	28	24	32920	1370	4	2350	307	3	140	22	360	12	1	2	1	1	40.6	47	1	1	7	844	1
3	1.6	11930	140	1	92	.5	8	350	.1	19	26	47360	6260	7	1790	764	1	140	1	280	11	1	1	1	1	47.4	47	1	2	3	331	64
4	.8	24900	60	1	125	1.1	5	720	.1	36	148	114100	2040	11	4360	1244	1	240	1	2460	29	1	9	1	1	150.6	236	1	1	1	1	50
5	1.1	25100	66	1	98	.9	7	1080	.1	44	155	85670	1850	14	5300	1884	1	110	7	2030	27	1	9	1	1	100.9	234	1	1	1	1	120
6	.1	8600	3532	9	610	.6	5	1390	43.0	85	191	137180	1210	7	2230	13800	1	40	7	1660	60	73	9	1	1	179.7	651	1	1	1	1	16
7	.1	22370	572	1	417	1.2	9	860	7.6	51	147	81490	1970	14	4580	6985	2	110	21	1570	46	5	8	1	1	85.4	327	1	1	1	1	40
8	.7	25050	208	1	133	1.0	4	590	.1	29	105	86850	1860	12	4600	1517	1	120	4	1600	33	1	8	1	1	86.5	201	1	1	1	1	17
9	.7	26010	1	1	115	.8	6	960	1.1	40	240	81990	1580	14	5460	2522	1	240	15	1650	48	1	9	1	1	106.3	797	1	1	1	1	36
10	1.3	25770	41	1	175	.5	14	1340	.1	30	190	125240	2520	10	4530	1302	1	430	1	2280	45	1	13	1	1	150.9	1226	1	1	1	1	224
11	1.6	21370	11	1	126	1.0	9	5830	1.8	40	95	70380	2290	13	6500	2732	1	280	15	1370	84	1	7	1	1	136.2	625	1	1	1	1	10
12	1.3	24300	11	1	148	1.2	12	4300	4.0	51	113	65010	3070	16	8980	2463	2	170	13	1560	59	1	10	1	1	132.2	825	1	1	1	1	5
13	1.5	27420	6	1	151	1.1	12	3840	3.3	42	99	75230	3750	16	8560	2145	3	190	3	1490	40	1	9	1	1	124.5	658	1	1	1	1	4
14	1.5	30090	14	1	127	1.2	11	2380	.1	47	188	85020	2820	16	8100	1660	2	170	4	2280	32	1	12	1	1	120.0	709	2	1	1	1	60
15	1.8	31990	163	1	133	.9	33	1710	.5	40	477	132110	2990	11	6300	1448	1	190	1	2430	24	1	13	1	1	160.0	582	1	1	1	1	398
16	1.8	33890	26	1	171	1.2	17	1720	1.6	50	205	89890	2950	13	8040	1986	2	230	9	2320	33	1	13	1	1	141.7	591	1	1	1	1	242
17	1.7	30330	161	1	135	.6	18	1290	2.1	45	282	109830	2360	11	6730	1511	1	180	1	2430	33	1	13	1	1	138.4	658	2	1	1	1	600
18	2.1	36940	206	1	165	1.2	17	1060	3.6	45	299	120880	2320	12	7450	1593	1	160	2	2420	34	1	11	1	1	142.0	743	2	1	1	1	360
19	1.5	30040	104	1	130	1.1	11	1070	1.3	32	251	113250	2320	12	6110	1431	1	140	1	2190	30	1	10	1	1	122.5	781	2	1	1	1	165
20	1.3	28720	383	1	119	.8	17	780	3.0	30	464	139710	2080	10	5260	1054	1	90	1	2090	27	1	7	1	1	118.4	568	2	1	1	1	924
21	1.3	33310	123	1	169	.9	10	1120	.3	31	199	91520	2860	13	7100	1444	1	120	3	1950	31	1	11	1	1	122.1	379	1	1	1	1	160
22	1.4	31600	192	1	119	.8	13	840	.1	41	272	112010	3620	10	5240	1225	1	110	1	1580	31	1	10	1	1	119.9	328	2	1	1	1	140
23	.9	21380	23	1	100	.9	5	1580	.1	26	75	51190	1410	12	5960	1067	2	110	12	1320	22	1	9	1	2	83.6	167	1	1	1	1	17
24	1.5	20190	41	1	127	.6	13	500	.1	18	61	47290	4000	8	5000	1443	1	160	5	880	21	1	7	1	1	91.0	96	1	1	2	205	146
25	.5	13700	156	1	72	.2	10	190	.9	8	90	42180	2270	4	1640	384	1	50	1	740	4	1	2	1	1	23.8	79	1	1	1	1	105
26	1.1	27540	15	1	89	.9	10	1250	.1	22	178	61690	1540	14	5980	956	1	90	6	1540	30	1	8	1	1	73.4	391	2	1	1	1	137
27	1.4	28240	71	1	96	1.3	12	1600	.1	33	224	48230	1780	15	5950	1670	2	100	12	1460	28	1	10	1	1	66.8	204	1	1	1	1	43
28	1.1	24580	24	1	89	.9	9	1190	.1	20	157	61430	2290	13	5960	827	1	90	7	1550	28	1	8	1	1	76.6	169	2	1	1	1	280
29	1.1	28740	1	1	201	.9	8	1530	.2	23	67	61080	4910	16	8550	1984	1	90	7	1340	32	1	6	1	1	86.8	214	1	1	1	1	69
30	1.0	28600	15	1	103	.9	7	2070	.1	26	91	57410	2370	16	7950	1046	2	130	14	2260	34	1	10	1	1	76.0	215	1	1	1	1	21
31	1.2	31950	549	1	175	1.1	14	1040	4.1	49	415	97950	2470	18	7020	2188	3	140	2	2160	59	1	9	1	1	83.5	344	1	1	1	1	546
32	1.0	29190	211	1	101	1.3	8	1180	.1	31	194	81310	1350	14	6560	1181	3	120	10	1790	39	1	8	1	1	93.4	204	1	1	1	1	340
33	2.0	26930	2978	1	363	1.4	54	610	34.7	49	349	106100	1200	11	4390	1614	1	140	1	1900	156	1	9	1	1	82.0	433	1	1	1	1	1660
34	.7	29950	66	1	78	1.0	6	590	.1	28	224	97960	1330	14	5880	1212	1	120	1	2470	36	1	8	1	1	119.8	248	1	1	1	1	75
35	.9	35080	14	1	85	1.4	9	1270	.1	27	253	104940	2240	14	7740	1505	1	170	1	3770	37	1	12	1	1	85.4	342	1	1	1	1	180
36	2.1	26670	117	1	78	.5	35	690	.1	28	459	200680	1270	12	6210	948	1	160	1	5250	97	1	10	1	1	101.2	260	1	1	1	1	1700
37	1.4	29000	342	1	118	.3	19	600	.1	31	276	127850	1370	15	7360	1317	1	160	1	2480	50	1	8	1	1	100.2	278	1	1	1	1	590
38	1.1	29460	1	1	158	.9	6	1550	.1	30	76	62900	2230	15	8230	1034	2	90	7	1850	30	1	9	1	1	82.8	262	2	1	1	1	28
39	1.0	29320	102	1	95	.9	7	1500	.1	35	83	63040	1970	17	7070	1133	3	90	9	2360	42	1	10	1	1	83.1	274	1	1	1	1	26
40	.8	28220	22	1	84	.9	6	1490	.1	48	91	69970	2140	14	6760	2532	1	130	9	3020	34	1	10	1	1	105.7	194	1	1	1	1	25
41	1.0	27950	1	1	89	.8	6	1420	.1	35	96	66390	2630	15	6610	1262	1	90	9	2170	24	1	9	1	1	80.1	186	1	1	1	1	21
42	.8	30590	1	1	107	1.3	5	1160	.1	33	95	58370	2520	15	6470	1034	1	100	7	1610	31	1	9	1	1	78.2	243	1	1	1	1	40
43	.7	26650	1	1	134	2.0	8	630	.1	39	77	53780	4890	16	4820	2933	1	80	4	1380	25	1	8	1	1	59.1	235	1	1	1	1	6
44	.7	25330	1	1	94	1.4	6	1060	.1	22	83	48900	3210	12	5420	934	1	90	8	1240	18	1	9	1	1	56.3	274	1	1	1	1	23
45	1.0	26530	1	1	105	1.1	7	1090	.1	21	66	44950	3700	13	5410	929	1	90	7	1160	23	2	8	1	1	58.1	187	1	1	1	1	12
46	1.2	27700	1	1	130	.8	7	1920	.1	23	57	47390	3480	15	7400	1089	2	110	10	1360	27	1	9	1	1	69.8	188	1	2	2	1	5
47	1.3	22990	1	1	143	1.2	7	1900	.1	18	40	43690	2970	13	6110	836	4	90	6	1350	19	1										

CLIMAX
 40J:
 ATTN: DON DAVIDSON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 9S-0276-SJ3+4
 DATE: OCT-13-89
 * TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CJ PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
60	.6	18980	84	1	116	2.5	3	160	1.2	44	322	85480	2300	7	2400	2359	1	50	2	1010	25	1	3	1	1	31.4	542	1	1	1	1	156
61	.3	4820	1084	1	65	.5	6	200	14.7	8	90	26190	2080	2	700	194	1	30	4	160	1	1	1	1	1	16.5	248	1	1	1	150	75
62	.3	12280	338	1	86	1.0	4	80	2.9	22	147	57400	2380	4	1440	939	1	30	1	790	2	1	1	1	1	17.9	272	1	1	1	1	47
63	.4	9640	267	1	75	.8	3	2610	5.5	14	91	58470	950	3	1790	1203	1	100	1	3150	12	1	11	1	1	38.6	399	1	1	1	1	51
64	.3	5380	668	1	75	.5	3	230	9.0	9	78	32640	1840	2	1140	181	1	40	1	620	3	1	2	1	1	19.1	269	1	1	2	203	54
65	.6	22200	441	1	132	1.4	5	530	2.5	21	206	106170	1390	8	3600	588	2	310	1	3460	16	1	11	1	1	59.9	426	1	1	1	1	209
66	11.3	21310	1980	1	172	2.1	22	450	22.9	68	373	165430	1400	6	3150	1616	1	340	1	5740	65	1	17	1	1	41.0	933	1	1	1	1	8100
67	.4	23110	179	1	108	1.7	5	820	2.2	17	72	54160	1790	11	4410	966	3	60	6	1650	15	1	5	1	1	48.4	472	1	1	1	1	41
68	.5	18760	123	1	127	1.2	5	380	.1	10	51	53280	1758	5	2590	597	5	140	1	3340	14	1	8	1	1	42.6	163	1	1	1	1	33
69	.8	22380	80	1	118	1.8	6	690	.9	22	88	48050	2120	11	5060	1330	4	60	8	1390	17	1	5	1	1	51.5	242	1	1	1	1	87
70	.9	22190	180	1	124	1.4	7	900	2.0	19	92	51490	1970	12	5310	1067	5	70	12	1510	25	1	7	1	1	58.4	457	1	1	1	1	168
71	.9	25030	159	1	119	1.6	8	820	1.3	23	94	55330	2150	13	5710	1510	3	70	9	1700	23	1	7	1	1	64.8	406	1	1	1	1	63
72	1.1	24310	187	1	142	1.4	8	950	1.6	25	83	57370	2160	14	6210	1130	4	70	9	1620	24	1	8	1	1	70.7	321	1	1	1	1	85
73	1.1	24000	244	1	176	2.3	8	640	1.9	25	108	60220	2520	12	5320	2212	4	90	8	1630	23	1	7	1	1	67.7	348	1	1	1	1	30
74	.9	23760	125	1	164	1.6	6	600	.4	26	99	62490	2770	13	5870	2095	4	70	9	1680	30	1	7	1	1	84.1	307	1	1	1	1	33
75	.9	23540	231	1	120	1.4	10	500	1.8	28	128	61520	2460	12	5170	2382	2	70	7	1690	17	1	9	1	1	70.7	280	1	1	1	1	38
76	1.5	25300	201	1	94	1.5	29	600	.9	35	195	78810	2170	12	5500	2796	3	90	6	2230	57	1	8	1	1	79.1	342	1	1	1	1	214
77	.7	23440	228	1	106	1.5	10	600	3.8	30	137	71390	2160	12	5030	2841	2	60	10	2020	29	1	7	1	1	70.8	368	1	1	1	1	52
78	.6	24460	202	1	141	1.6	9	640	3.1	26	109	67740	1960	12	5360	3279	3	70	12	1980	40	1	8	1	1	71.7	384	1	1	1	1	119
79	1.3	28560	139	1	98	1.4	10	650	2.1	29	155	67120	1910	14	6060	2559	3	110	12	2520	37	1	9	1	1	82.0	374	1	1	1	1	80
80	.9	10980	65	1	89	.8	4	1790	.1	15	23	52120	1300	6	2160	637	1	1000	5	810	10	1	11	1	1	22.9	111	1	1	2	273	2
81	1.5	25350	53	1	179	2.0	11	670	1.3	28	60	59220	2550	12	5200	2400	1	70	11	1690	30	2	8	2	1	77.4	317	2	1	1	1	86
82	1.3	24910	73	1	99	1.3	18	800	2.4	26	78	57000	1800	12	5590	1774	5	70	12	1910	45	1	8	1	1	69.1	428	1	1	1	1	305
83	1.1	24960	68	1	88	1.4	7	610	2.7	24	91	55940	1690	13	5000	1635	1	70	7	1640	41	1	8	1	1	60.5	488	1	1	1	1	475
84	.9	22050	243	1	89	1.2	5	850	5.1	21	85	47640	1450	11	4990	2050	3	100	12	1770	34	1	7	1	1	57.9	464	1	1	1	1	203
85	.4	18750	298	1	77	1.1	5	770	4.9	16	58	47560	1390	10	4380	1278	6	110	8	1700	32	1	7	1	1	59.2	267	1	1	1	1	79
86	.3	17680	94	1	92	.8	4	470	1.3	11	38	36830	1010	6	2350	1778	4	70	5	2690	16	1	6	1	1	42.1	165	1	1	1	1	7
87	.7	25690	97	1	110	1.3	6	1130	2.8	40	98	51040	1420	13	5540	2897	6	70	16	1560	45	2	8	1	1	65.2	483	1	1	1	1	164
88	.4	18980	65	1	91	.9	4	690	3.1	24	40	50540	1650	11	4290	2361	6	60	7	2400	28	1	8	1	1	62.0	241	1	1	1	1	3
89	.5	20390	99	1	81	1.0	5	540	1.8	23	48	50100	1120	11	3460	1627	4	50	6	1580	30	1	6	1	1	56.8	238	1	1	1	1	116
90	.3	19490	68	1	85	1.0	3	670	.7	23	48	53060	1280	12	4440	1808	4	90	6	2100	36	1	6	1	1	59.1	336	1	1	1	1	106
91	.4	23680	166	1	114	.9	5	800	5.8	29	71	56210	1080	12	4940	2801	8	50	7	1870	78	1	7	1	1	62.5	619	1	1	1	1	20
92	.4	18090	184	1	116	.8	3	570	2.9	18	65	57340	1310	7	3170	1966	12	60	1	2680	95	1	6	1	1	57.0	303	1	1	1	1	25
93	.3	19720	226	1	195	.8	7	770	7.6	35	130	58500	1470	11	4890	9342	17	70	21	2480	111	3	7	1	1	63.1	513	1	1	1	1	104
94	.6	9180	40	1	73	.4	4	270	.1	16	16	34520	2400	4	1740	1000	1	120	8	280	10	1	1	1	1	24.2	197	1	1	2	283	2
95	.7	19740	511	1	130	1.0	4	650	7.0	16	65	54170	1010	10	3410	2050	25	70	5	1570	131	12	5	1	1	59.4	488	1	1	1	1	75
96	.5	18200	918	1	231	.8	6	620	15.5	21	93	58730	1280	9	4270	3629	74	50	9	2340	100	42	7	1	1	59.2	396	1	1	1	1	-150
97	.5	9750	119	1	118	.5	3	610	1.0	10	30	36440	1080	4	2260	1340	7	50	4	1200	17	-1	5	1	1	51.0	241	1	1	1	1	2
98	.5	16610	53	1	110	.7	3	630	.8	11	45	35160	600	10	4560	643	3	60	7	1070	25	1	4	1	1	54.6	298	1	1	1	1	30
99	.4	18800	54	1	68	.4	3	630	.1	11	35	34270	600	9	4300	653	3	80	7	1410	32	1	4	1	1	53.6	236	1	1	1	1	4
100	.2	19500	5	1	82	.7	3	1020	.1	16	38	39670	580	13	5310	1042	3	50	9	1040	39	1	4	1	1	62.3	188	1	1	1	1	80

COND. CLIMAX

PROJ: OCT 6 SOUTH WALL

ATTN: D.DAVIDSON

TRAVERSE N° 2

MIN-EN LABS — ICP REPORT

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

(604)980-5814 OR (604)988-4524

FILE NO: 9S-0334-SJ1+2

DATE: NOV-21-89

• TYPE SOIL GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPM
00	.2	15380	1	1	110	.7	4	1420	1.3	13	106	39500	3960	13	5390	720	2	710	10	550	18	1	5	1	1	50.3	134	1	1	1	95	41
01	.3	16850	156	1	107	.6	7	1730	.1	17	204	76550	5160	12	6240	735	1	560	1	780	23	2	4	1	1	84.5	131	1	1	1	54	132
02	.1	11520	192	1	97	.4	7	800	.1	12	127	47490	3780	9	2830	456	2	390	1	560	5	3	1	1	1	50.1	106	1	1	1	72	460
03	.3	17470	21	1	105	.5	6	2130	.1	12	86	51850	5110	17	6510	988	2	690	1	690	29	4	3	1	1	82.2	141	1	1	1	102	25
05	.7	24200	71	1	107	.7	9	3600	.1	30	171	88360	6960	17	9150	1833	1	940	1	1010	42	6	3	1	1	119.9	250	1	1	1	69	97
06	.6	24300	136	1	76	1.0	10	1490	.1	54	354	146190	3520	12	7330	1797	1	190	1	2180	28	1	8	1	1	107.4	350	1	2	1	1	170
07	.6	23160	91	1	148	1.1	9	3680	.2	23	105	73800	8120	16	8610	1596	1	950	5	1150	23	4	4	1	1	128.4	227	1	2	1	56	51
08	1.0	34770	54	1	81	1.5	10	2200	.1	58	434	119210	3280	17	8150	1656	2	240	1	2480	28	1	10	1	1	101.4	431	1	1	1	1	155
09	.5	24090	110	52	82	1.2	11	960	.1	37	412	184120	3400	10	7020	1373	1	200	1	2260	22	1	5	1	1	117.5	307	1	1	1	1	402
10	.6	23250	84	1	76	.9	15	1200	.1	31	385	181790	3920	11	7070	1081	1	160	1	1590	32	1	4	1	1	110.1	334	1	1	1	1	187
11	.4	21580	98	1	62	1.2	9	1610	.1	33	425	171590	3280	11	6690	1124	1	150	1	1300	18	1	2	1	1	100.0	380	1	1	1	1	258
12	1.0	24120	203	1	89	.9	15	1660	.1	31	449	202600	3450	10	6920	919	1	180	1	2160	29	1	9	1	1	102.0	397	1	1	1	1	328
13	.7	23410	155	1	94	1.1	7	1960	.1	23	273	125940	3740	12	6850	815	2	260	1	1890	38	1	7	1	1	81.7	293	1	1	1	1	117
14	.7	20320	8	1	75	.7	7	4790	.1	13	106	48850	4430	13	6740	1001	3	1250	2	730	20	1	3	1	1	63.1	114	1	1	1	97	32
15	.6	20560	208	1	54	.6	14	1100	.1	29	499	230250	3190	8	6340	841	1	140	1	2120	20	1	1	1	1	86.3	279	1	1	1	1	442
16	.8	21360	1	1	122	.7	7	4830	.4	12	74	45790	6000	14	7270	930	3	1590	1	520	22	1	4	1	1	59.4	243	1	2	1	106	61
17	1.0	19140	1	1	71	.8	5	4500	.1	15	86	55080	4450	14	6240	961	2	1260	1	660	26	1	3	1	1	52.7	177	1	2	1	84	31
18	1.3	25020	1	1	154	1.0	21	4310	.1	19	139	61240	9090	13	10300	1520	3	1020	1	860	31	3	3	1	1	131.6	147	1	2	2	85	432
19	1.8	14520	5484	7	56	.1	24	440	42.0	34	612	301670	2970	5	4200	384	1	90	1	1690	1	1	1	1	1	106.9	175	1	1	1	1	735
20	1.0	24250	1359	1	120	1.2	21	5230	10.3	24	149	101200	7750	14	8910	1252	2	1060	1	910	35	1	2	1	1	119.7	140	1	2	1	43	695
21	1.8	32390	491	1	60	1.6	11	1950	.1	31	423	156470	2970	12	5770	654	1	200	1	1970	46	1	14	1	1	81.1	313	1	1	1	1	147
22	.7	23330	522	1	70	1.1	46	1390	.1	25	328	154040	3610	14	6460	763	1	170	1	1630	23	1	5	1	1	82.1	221	1	1	1	1	153
23	.9	29590	331	1	85	1.4	12	1190	.1	32	430	129620	3280	15	7490	1219	1	190	1	1930	37	1	7	1	1	91.8	285	1	1	1	1	203
24	.5	21780	113	1	105	.6	7	4730	.1	16	68	39510	4880	14	8340	1222	2	1050	2	720	23	1	5	1	1	95.8	110	1	1	1	84	14
25	.7	22500	1009	1	132	.7	15	5350	8.9	30	76	44370	5770	16	9040	1069	2	1130	7	730	23	1	5	1	1	85.7	125	1	1	1	76	52
26	.8	15820	517	1	51	1.2	88	1010	.1	24	291	144700	2100	10	5070	757	1	150	1	1170	50	1	3	1	1	50.6	132	1	1	1	1	191
27	.8	20660	134	1	83	.6	8	4530	1.2	15	108	61260	4260	16	8040	914	2	990	1	730	26	2	3	1	1	64.1	96	1	2	1	59	56
28	.5	20260	437	1	52	1.1	11	1090	1.1	31	255	97660	2100	16	5940	1437	3	160	1	1290	47	1	3	1	1	54.2	266	1	1	1	1	104
29	1.2	20780	1002	1	40	1.2	14	710	.6	29	481	203930	1510	10	5820	761	1	80	1	1570	49	1	3	1	1	77.9	279	1	1	1	1	276
30	1.3	19020	478	1	33	.7	8	1060	.1	32	596	243710	1660	8	5650	640	1	50	1	1510	33	1	1	1	1	87.3	253	1	1	1	1	238
31	1.2	24940	442	1	67	1.7	9	870	.5	53	521	144740	1460	15	5800	2124	2	50	1	1340	74	1	1	1	1	68.1	534	1	1	1	1	142
32	1.1	12750	3587	2	26	.9	24	870	35.7	34	265	166970	1320	9	5470	756	1	80	1	780	64	1	1	1	1	59.3	268	1	1	1	1	350
33	1.0	12910	10942	3	37	1.2	18	640	118.9	39	403	223420	1870	7	5010	560	1	90	1	870	48	6	1	1	1	69.9	184	1	1	1	1	346
34	.7	16460	1921	1	40	.9	8	1060	12.8	24	320	176220	2470	10	5990	646	1	130	1	1140	53	1	2	1	1	74.6	174	1	1	1	1	123
35	1.2	22870	598	1	57	1.5	8	2160	1.7	37	449	132950	2240	13	6570	1139	6	190	1	1310	61	1	6	1	1	67.1	490	1	1	1	1	99
36	1.0	19930	654	1	50	1.3	7	3070	5.2	40	308	103100	2760	14	6680	1219	5	290	1	1010	60	1	4	1	1	69.4	498	1	1	1	1	80
37	1.6	22010	68	1	61	1.1	11	9050	.1	20	131	65300	4380	17	10050	1447	3	1180	1	940	42	1	2	1	1	116.0	206	2	2	1	65	1
38	1.2	22730	26	1	55	1.2	9	9070	.1	18	146	65390	3990	15	8550	1208	2	1530	1	710	39	1	4	1	1	80.8	252	2	2	1	65	20
39	1.2	19380	219	1	48	1.2	6	2510	.1	28	265	147840	3170	12	7160	919	1	260	1	980	47	1	5	1	1	72.2	705	1	1	1	1	86
40	1.8	23970	358	1	62	1.4	19	2410	.1	32	282	142580	3010	14	7800	905	3	220	1	1400	71	1	6	1	1	86.0	702	1	1	1	1	192
41	1.3	21620	93	1	101	1.0	11	7320	.1	19	121	81790	3830	16	9060	1257	5	1010	1	820	36	1	2	1	1	94.4	245	2	1	2	106	22
42	1.1	18540	431	1	50	1.2	7	1480	.1	28	349	200210	2460	10	6400	712	14	130	1	1430	35	1	5	1	1	67.6	450	1	1	1	1	85
43	1.0	24340	292	1	53	1.7	8	2200	1.0	27	275	132680	3200	15	9100	1217	2	250	1	920	49	1	4	1	1	74.5	493	1	2	1	1	83
44	.9	19200	66	1	69	1.2	9	3030	.5	19	147	73800	2950	14	7620	977	3	330	1	880	41	1	5	1	1	68.4	281	1	2	1	1	37
45	.9	19230	10	1	79	1.1	8	3520	.1	19	165	71550	4380	12	7890	1154	3	800	1	580	18	1	3	1	1	56.3	193	2	1	1	67	29
46	.6	17330	2	1	72	.8	5	5330	4.2	12	89	36100	2570	12	5590	888	2	1370	3	420	18	1	3	1	1	40.9	592	1	1	1	128	42
47	.8	19340	199	1	63	1.6	9	3160	1.6	28	358	128010	2830	13	7800	1297	1	310	1	850	34	11	2	1	1							

COMP: CLIMAX
 PROJ: OCT 05 PEAK TRAVERSE
 ATTN: DON DAVIDSON

TRAVERSE N° 3

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 9S-0336-SJ1+2

DATE: NOV-26-89

* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CJ PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPM	
00	.4	10590	1	1	17	.2	2	1580	.8	6	50	25020	850	16	8610	394	3	160	4	710	27	1	2	2	1	39.6	48	1	1	1	42	2	
01	.5	12930	2520	1	437	.8	5	130	25.6	30	720	175150	4010	4	1630	345	1	1180	1	1690	1	66	22	1	2	34.4	247	1	1	1	1	83	
02	.4	4790	77	1	113	.2	1	90	.1	8	235	26730	1370	1	410	103	13	200	1	360	10	1	3	1	1	4.9	43	1	1	1	36	4	
03	1.0	12750	307	6	86	.1	22	310	.1	38	1081	257490	2140	6	2880	623	3	80	1	2810	5	1	5	1	1	57.1	126	1	1	1	1	100	
04	1.7	14440	733	4	130	.8	9	840	1.8	41	776	154360	2290	10	3840	1611	14	850	1	2520	118	21	19	1	1	50.1	224	1	1	1	1	69	
05	9.9	14910	1972	1	297	.8	241	350	25.6	85	912	119360	1510	7	2130	7154	8	110	1	2010	974	319	14	1	1	33.4	448	1	1	1	1	52	
06	.6	6980	2004	1	223	.5	3	850	27.3	12	154	32650	2710	4	1040	1249	5	170	2	850	446	63	3	2	1	11.0	294	1	1	1	1	28	3
07	.4	9590	784	8	128	.1	1	140	.1	29	958	235160	2170	1	710	524	1	510	1	2090	12	24	12	1	1	17.8	258	1	1	1	1	192	
08	.7	13170	529	4	351	.9	2	1280	6.9	19	478	71230	3920	13	5620	793	7	230	1	1200	61	19	8	1	1	41.1	235	1	1	1	15	21	
09	.6	13440	255	2	249	.4	6	300	.1	31	656	193890	2990	3	1630	795	1	1960	1	3890	27	1	16	1	1	37.8	147	1	1	1	1	123	
10	.6	10730	157	1	73	.8	20	260	.1	28	483	130030	1920	6	1900	833	2	130	1	1700	21	1	5	1	1	33.5	127	1	1	1	1	120	
11	.6	17900	159	1	106	.8	10	790	.1	26	383	123020	2230	11	4190	876	6	780	1	2910	36	1	9	1	1	71.0	139	2	1	1	3	72	
12	.4	6150	583	3	258	.3	44	120	3.8	14	213	114960	5720	1	560	135	5	980	1	1280	113	45	8	1	1	14.1	197	1	1	2	1	134	
13	.2	1560	33	1	91	.1	1	40	.4	2	17	8410	1660	1	100	23	1	170	1	70	4	1	1	1	1	1.8	8	1	1	1	88	3	
14	.4	7310	24	1	55	.5	1	290	.1	6	22	29920	3160	8	1510	340	1	120	1	380	7	1	1	1	1	20.7	30	1	1	1	28	4	
15	.6	11110	264	1	50	1.0	2	730	1.1	38	398	99420	1420	9	6700	1421	4	80	1	1470	64	13	4	1	1	51.9	122	1	1	1	1	3	
16	.2	10300	1	1	121	.8	1	450	.1	10	70	22980	3000	9	2620	689	2	170	5	220	6	1	1	1	1	11.6	77	1	1	1	29	1	
17	.3	5190	6	1	28	.3	3	90	.1	7	87	34520	1280	3	990	168	1	200	1	230	3	1	1	1	1	5.3	23	1	1	1	25	50	
18	.8	18870	1	1	76	.7	7	2230	.3	16	76	45320	5940	22	7470	748	2	550	4	590	26	1	2	1	1	53.9	66	2	1	1	29	25	
19	2.7	68180	1	1	433	2.0	16	11600	.1	43	63	93010	42670	35	39210	2046	10	4350	44	690	35	1	15	1	1	242.7	160	1	1	2	78	12	
20	.1	32440	270	8	318	2.3	1	1640	.1	145	1213	118080	3290	16	1920	6237	1	50	20	2890	42	1	9	1	1	117.7	349	1	1	1	1	6	
21	1.9	27950	1	1	169	.1	16	690	.1	28	526	209070	8800	11	8750	632	1	430	1	2360	14	1	7	1	1	169.5	91	3	1	1	1	195	
22	1.0	28170	28	1	96	.9	7	1080	.1	37	580	171920	3130	14	6030	831	6	200	1	2260	12	1	8	1	1	95.2	125	2	1	2	1	42	
23	1.6	31590	1	12	200	.4	7	630	.1	28	482	189330	12510	13	12000	715	1	580	1	2610	16	1	15	1	1	148.6	101	3	1	1	1	120	
24	.5	8490	1	1	24	.2	1	570	.1	5	83	30290	1650	7	3560	135	1	320	1	270	14	1	1	1	1	23.5	21	1	1	1	16	2	
25	.6	14190	21	12	22	.3	3	370	.1	25	612	189090	1300	9	2960	253	3	100	1	860	1	1	1	1	1	78.2	76	2	1	1	1	2	
26	1.6	33020	14	1	137	.8	8	770	.1	27	476	150710	7850	15	10130	427	2	780	1	2130	4	1	14	1	1	143.7	80	3	1	1	1	1	
27	2.0	6880	6197	9	414	1.0	1	3790	80.3	29	659	76270	2130	4	1410	1771	1	100	1	510	314	336	8	1	1	24.0	556	1	1	1	1	3	
28	.9	24730	167	1	91	.9	8	1280	.1	39	426	118400	2430	16	6850	712	4	170	1	1700	25	2	6	1	1	94.1	121	2	1	1	1	21	
29	1.4	51160	8	1	295	1.5	10	15780	1.2	40	128	63640	19050	16	25330	1412	7	4670	51	680	41	1	18	1	1	153.5	129	1	1	2	111	2	
30	.4	19670	180	2	142	1.8	4	1460	.1	46	311	105990	2850	11	6170	1920	2	180	13	1530	31	1	3	1	1	74.7	158	1	1	1	18	3	
31	1.3	22980	79	1	93	1.1	7	920	.1	35	398	124250	2100	13	5880	761	5	120	1	1590	23	3	6	1	1	84.7	108	2	1	4	1	18	
35	.8	13800	8	1	56	.5	5	2130	.1	13	56	38190	3460	15	5970	476	1	480	3	640	17	1	2	1	1	47.3	62	1	1	1	35	1	
36	1.0	23020	61	1	71	1.1	6	830	.1	47	508	142200	1650	15	5120	570	1	120	1	2090	27	1	4	1	1	79.0	144	1	1	1	1	22	
37	1.2	22830	55	1	117	1.1	7	720	.1	49	539	151910	2150	16	5000	965	1	190	1	2010	29	1	6	1	1	86.0	157	1	1	1	1	61	
38	1.3	22180	58	1	136	1.4	7	1340	.1	50	504	129770	2440	19	6080	974	4	230	1	2190	56	1	8	1	1	79.7	203	1	1	1	1	16	
39	1.4	24260	86	1	176	1.4	9	1600	.1	60	546	125460	2870	19	6240	1601	2	240	1	2450	53	1	8	1	1	78.2	225	1	1	1	1	52	
40	1.1	29160	20	1	138	1.4	8	2210	.1	53	396	120470	3710	27	9110	1544	4	230	1	1690	27	1	5	1	1	96.0	200	2	1	1	1	71	
41	1.2	30700	49	11	119	1.3	8	1830	.1	57	491	134830	3830	26	8350	1689	1	250	1	2290	30	1	6	1	1	98.7	239	2	1	1	1	374	
42	1.4	22840	25	1	47	.4	8	2250	.1	35	529	201430	2190	19	6550	1114	1	210	1	2570	12	1	2	1	1	212.5	120	2	1	1	1	21	
43	.9	22560	75	1	140	1.3	8	1170	.1	37	312	99740	2320	15	6550	1443	1	150	3	1720	36	1	6	1	1	84.1	143	1	1	1	1	61	
44	.8	20700	58	1	118	1.3	6	1340	.1	40	296	97950	2550	16	6610	1114	3	140	1	1540	36	1	5	1	1	77.4	134	2	1	1	1	26	
45	.9	22270	47	1	106	1.2	7	1280	.1	46	394	122910	2550	17	6250	1395	3	150	1	1660	27	1	4	1	1	82.1	159	1	1	1	1	141	
46	.9	22190	42	1	101	1.3	6	3090	.1	44	458	84760	2380	25	6770	1607	2	220	1	1280	49	1	4	1	1	68.6	177	2	1	1	1	43	
47	.7	17300	15	1	106	1.2	16	2550	.1	38	215	69470	2370	21	5810	1999	4	170	2	1080	31	1	3	1	1	55.9	169	1	1	1	1	25	
48	.7	18320	81	1	138	1.1	8	2650	.1	51	286	108950	2940	17	6730	2206	3	210	1	1740	41	1	4	1	1	69.0	173	1	1	1	1	27	
49	.7	15780	52	1	58	.6	7	2790	.1	31	318	70460	1410	8	2860	907	7	1290	1	1670	57	3	5	1	1	33.7	93	1	1	1	1	17	
50	.9	34790	28	1	93	1.7	74	1950	.1	127	788	92760	2060	23	5630	3145	13	190	4	1440	34	1											

COMP: CLIMAX
 PROJ:
 ATTN: D.DAVIDSON

TRAVERSE N^o4

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 9S-0331-SJ1+2
 DATE: NOV-15-89

* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPM		
01	.7	12870	77	3	340	1.4	4	1250	.1	31	100	79210	2730	6	2310	4199	1	60	1	1770	28	1	7	1	1	42.3	150	1	2	1	1	80		
02	.7	7760	4	1	57	.7	3	1470	.1	11	61	30320	1700	5	4720	568	3	470	5	480	22	1	4	1	1	30.0	38	1	1	1	104	23		
03	.5	7780	1	5	76	.6	3	110	.1	6	34	26500	3180	2	690	186	1	220	1	250	1	1	3	1	1	5.0	42	1	1	1	116	2		
04	.8	15020	76	1	163	2.1	7	360	.1	25	117	84070	1180	6	1920	3156	3	60	1	2150	32	1	5	1	1	31.9	113	1	1	1	1	97		
05	.5	4050	61	1	31	.5	2	130	.1	10	34	13410	1190	2	550	488	1	10	9	340	24	9	1	1	1	9.2	166	1	1	1	1	51		
06	.5	7750	20	1	165	.7	159	370	.1	36	211	53460	1030	4	1980	3929	8	60	13	1220	35	1	4	1	1	24.5	66	1	1	1	1	746		
07	.7	19340	107	1	227	1.5	49	300	.1	58	720	76050	1610	3	1550	3347	77	400	9	3100	37	15	8	1	1	18.6	105	1	1	1	1	309		
08	.5	14530	23	1	391	.6	7	180	.1	10	56	29420	6000	6	2990	479	3	460	1	180	10	1	2	1	1	38.2	39	1	1	1	110	38		
09	.6	18200	165	1	96	1.5	7	380	.1	47	256	73750	2380	18	4540	1557	4	50	34	1580	20	4	3	1	1	48.4	112	1	1	1	1	8	90	
10	.5	11020	140	1	180	1.4	9	370	.1	55	145	72840	920	8	2960	5342	6	40	44	1100	31	4	5	1	1	42.1	79	1	1	1	1	2	82	
11	1.0	5500	194	2	125	.5	77	40	.1	10	133	52480	2830	2	370	156	1	300	1	380	29	48	2	1	1	9.9	42	1	1	1	175	6500		
12	1.6	5760	12102	3	718	.9	215	80	110.8	19	299	135130	4660	2	590	233	1	550	1	920	618	727	10	1	1	14.0	272	1	2	1	1	1	3980	
13	.8	18030	4778	1	348	1.8	27	440	35.0	40	442	147210	1520	8	2900	1492	1	80	1	3710	86	50	5	1	1	49.7	176	1	1	1	1	1	558	
14	.7	11730	554	3	47	1.0	70	190	.1	26	538	200850	730	4	1500	388	1	50	1	2560	11	2	1	1	1	47.1	83	1	1	1	1	1	914	
15	.5	18750	178	1	106	1.2	11	400	.1	23	244	85080	1340	6	2620	1566	3	60	1	4500	31	1	5	1	1	47.5	107	1	1	1	1	1	124	
16	.8	7960	1589	4	42	1.1	24	70	3.0	22	527	196340	880	2	930	166	1	30	1	1720	11	1	1	1	1	38.1	60	1	1	1	1	1	217	
17	.7	12260	169	1	61	1.0	9	700	.1	21	127	54090	940	7	3700	833	7	60	7	1880	34	2	4	1	1	44.6	91	1	1	1	1	1	5	92
18	.5	4940	89	1	38	.5	4	230	.4	11	59	24380	790	2	1170	185	12	40	3	810	8	1	2	1	1	17.0	33	1	1	1	1	1	1	43
19	.4	11610	1	1	204	.5	6	130	.1	7	25	13200	5540	5	150	652	5	150	6	250	7	1	2	1	1	19.9	31	1	1	1	1	1	87	39
20	.5	17860	280	1	142	1.7	18	700	.1	30	368	95660	1250	8	2430	2550	3	120	1	3140	59	1	6	1	1	42.0	138	1	2	1	1	1	1	183
21	.8	18320	258	1	78	1.7	46	400	.1	26	345	157010	1390	9	3220	477	1	80	1	2060	24	9	2	1	1	113.1	128	1	1	1	1	1	1	1700
22	.5	10780	652	1	244	1.3	24	100	.1	17	372	138140	2680	4	1450	185	1	120	1	2890	19	29	5	1	1	52.4	117	1	1	1	1	1	1	468
23	.5	19500	246	1	109	1.5	23	750	.1	26	258	71430	1060	13	5930	1243	5	110	14	1660	29	2	7	1	1	57.1	120	1	1	1	1	1	10	292
24	.8	15340	601	1	294	1.4	23	210	.1	21	460	151620	5670	8	2570	238	1	1550	1	4890	34	21	21	1	1	121.4	85	1	2	1	1	1	1	474
25	.7	5840	1760	6	286	1.0	33	50	8.9	18	250	156070	7400	3	830	85	1	650	1	2860	52	70	12	1	1	56.3	67	1	1	1	1	1	1	1225
26	.8	9930	9321	5	231	1.3	30	210	77.3	31	513	218160	2520	4	2100	452	1	300	1	2680	47	35	5	1	1	66.1	108	1	3	1	1	1	1	1280
27	.9	9670	714	8	545	1.4	32	90	.1	28	592	261590	4270	4	2090	154	1	770	1	2950	9	6	12	1	1	74.5	81	1	1	1	1	1	1	631
28	.5	10980	110	1	198	.7	6	200	.1	6	78	34560	4880	6	1870	146	2	480	1	420	5	1	2	1	1	36.9	25	1	1	2	172	72		
29	.7	14780	323	1	42	1.5	16	220	.1	23	545	164740	1860	7	3370	366	1	40	1	1830	13	1	1	1	1	45.1	72	1	1	1	1	1	1	271
30	.8	13920	657	1	48	1.4	18	260	.1	31	672	204970	1670	7	2770	507	1	40	1	1320	2	1	1	1	1	58.9	82	1	1	1	1	1	1	281
3 1	.9	28140	117	1	70	.8	19	1840	.1	45	713	181260	4370	23	9220	1543	3	110	1	1710	24	1	5	1	1	125.3	162	1	1	1	1	1	1	2300
3 2	1.2	19420	152	4	82	.1	16	680	.1	36	663	279140	5890	8	7260	709	1	60	1	2260	1	1	2	1	1	151.5	175	1	1	1	1	1	1	265
3 3	1.3	19070	117	2	62	.4	24	880	.1	31	561	236800	3870	7	6260	581	1	100	1	2160	7	1	3	1	1	115.3	129	1	1	1	1	1	1	505
3 4	.8	16050	822	1	87	1.3	28	820	2.3	30	516	141270	1730	6	2440	661	1	130	1	1420	41	46	3	1	1	53.6	130	1	1	1	1	1	1	606
3 5	.9	22190	286	1	82	.6	29	1080	.1	29	463	192890	3410	11	7280	592	1	140	1	2560	25	1	6	1	1	90.3	117	1	1	1	1	1	1	782
3 6	1.1	25690	170	1	71	.9	29	930	.1	43	748	189780	2500	16	5450	768	1	110	1	1750	14	1	4	1	1	70.7	152	1	1	1	1	1	1	362
3 7	.8	21460	89	1	57	1.1	15	1370	.1	28	495	158480	2020	11	4870	588	1	110	1	2170	17	1	5	1	1	64.6	126	1	1	1	1	1	1	976
3 8	.7	27420	97	1	66	1.6	15	1360	.1	46	536	118290	1980	16	4900	1267	3	120	1	1700	26	1	6	1	1	59.2	181	1	1	1	1	1	1	395

COMPANY: DON DAVIDSON

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO:

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

FILE NO: 7-13335/P1+2

ATTENTION: DON DAVIDSON

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: SEPT 28, 1987

(VALUES IN PPM)	U	V	ZN	GA	SR	W	CR	AU-PPB
8-01	2	56.1	190	1	1	2	25	900
8-02	1	37.9	236	1	1	3	16	163
8-09 20M	2	44.8	144	2	1	3	11	27
8-10 20M	2	42.0	141	1	1	2	20	17
8-11	1	51.5	139	1	1	2	23	32
8-12	1	50.5	151	2	1	2	18	167
8-13	2	55.8	273	3	2	3	16	650
8-14	2	48.6	180	2	1	2	13	850
8-16 40M	1	40.0	138	1	1	2	8	94
8-17	1	80.2	175	1	3	3	15	235
8-18	2	69.7	213	1	1	3	12	310
8-19	3	88.5	186	3	1	4	14	1700
8-20 40M	2	99.0	210	3	4	4	12	800
8-21	1	64.4	172	2	1	2	11	132
8-25	1	67.0	166	1	1	3	13	158
8-26	1	72.0	148	1	3	3	14	108
8-27	1	65.0	142	1	2	3	11	144
8-29	1	58.7	118	1	2	2	11	21
8-30	1	62.4	106	1	1	2	13	23
8-31	1	61.8	169	2	3	2	17	38
8-32	1	44.6	141	1	1	2	12	29
8-33	1	68.3	177	3	2	3	17	169
8-34	1	66.1	141	2	1	3	14	41
8-35	1	60.9	147	1	2	2	13	100
8-36	2	57.9	195	2	1	3	17	125
8-37	1	61.1	239	2	2	3	17	71
8-38	1	58.6	125	1	2	2	15	33
8-39	2	61.3	132	2	2	2	13	42
8-40	1	54.8	114	1	1	2	11	49
8-41	2	43.0	135	1	2	2	11	34
8-42	1	55.0	110	2	2	2	14	36
8-43	1	60.2	154	2	1	2	11	12
8-45	1	32.7	44	1	1	1	7	24
8-46	1	21.3	48	1	1	1	4	17
8-47	1	54.4	100	1	1	2	10	23
8-48	1	37.2	31	1	1	1	7	52

COMPANY: DON DAVIDSON

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO:

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

FILE NO: 7-1333R

ATTENTION: DON DAVIDSON

(604)980-5814 OR (604)988-4524

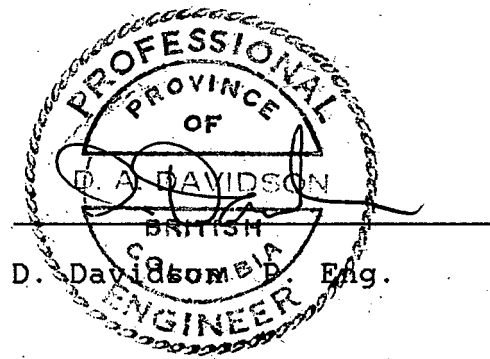
* TYPE ROCK GEOCHEM * DATE: SEPT 28, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
S-03	1	22.8	71	1	1	2	57	14
S-04	1	18.0	42	2	1	1	80	8
S-05	1	14.6	35	1	1	1	55	285
S-06	1	15.2	42	2	1	1	109	72
S-07	1	7.6	19	1	1	1	195	8
S-15	1	45.2	59	1	1	2	72	36
S-22	1	64.1	86	4	1	2	100	11
S-23	1	79.4	64	2	1	2	80	5
S-24	2	71.1	98	1	1	2	52	104
S-28	1	62.8	89	1	1	3	79	13
S-08	1	13.8	34	1	1	1	80	16

APPENDIX III

PROJECT COSTS

ANALYTICAL WORK - MIN-EN LABS		\$ 4 315.75
CANADIAN HELICOPTERS 16, 1989		822.90
LABOUR		
D. Davidson, P.Eng. Oct 1, 1989 Plan Study, mobilize, field work, report preparation.		
8 days @ \$350/day		2 800.00
Hobson Contracting, Oct. 3		400.00
Casual Labour, Oct. 5, 6 - 3 man days		
2 @ \$250. 1 @ \$125		625.00
RENTAL EQUIPMENT		
4X4 Truck 4 days @ \$50 + tax		212.00
SUPPLIES AND SERVICES		
Rope	\$ 27.56	
Sample Bags	88.26	
Flagging Tape	12.72	
Lath	34.98	
Markers	11.63	
Fuel	39.50	
Stationery	20.88	
Blue Printing	118.50	
Typing	75.00	
Photocopying	<u>30.00</u>	<u>459.03</u>
TOTAL PROJECT COST		\$ 9 <u>634.68</u>



CLIMAX MOLYBDENUM CORPORATION
OF BRITISH COLUMBIA, LIMITED

P. O. BOX 698
SMITHERS, BRITISH COLUMBIA
TELEPHONE: (604) 647-9949

May 23, 1990

Ministry of Energy, Mines
and Petroleum Resources
Parliament Buildings
Victoria, BC
V8V 1X4

Attention: T. Kalnins, P. Eng.

Dear Talus:

I am returning two copies of Assessment Report No. 19,569.

The following documents the amendments noted in your letter of May 1, 1990, and discussed in our telephone conversation of May 22, 1990.

- Section 4(7) : North arrows are placed on all plan and index maps.
- Section 4(8) : Bar scales are added to all maps.
- Section 7(6) : Plans showing anomalies for Au and Zn show statistically determined ranges of values (i.e. weakly, moderately; strongly or extremely anomalous. Actual values at each sampling station are given in the analytical results in Appendix II. Units are given in the title block on the plans.
- Section 7(9)b : The study area is above timberline on very steep terrain that ranges from 5300 to 7650 feet in elevation (page 7). Soil profiles are poorly developed (page 9). The finest possible material available was collected at each sample station (page 10). This could be as coarse as 3/8 inch. No screening was done. Material was reduced by pulverizing at the laboratory.
- Section 7(10) : Evaluation and interpretation are given under statistical considerations (page 10) and conclusions (page 15) and on the Assessment Report title Page and Summary Report form.
- p.s. 90/03/16 : The traverse number is shown at the top of the analytical sheets in Appendix II. As stated on page 10, the sample material varies in size from 3/8 inch to fine sand. The finest material possible was collected at each sample station. The type of sample could be considered a hybrid rock-soil sample.

I would appreciate your review of the above so that I can be informed if the required amendments have been effected.

Yours sincerely,



19,569

BRANCH

REPORT

10,000E

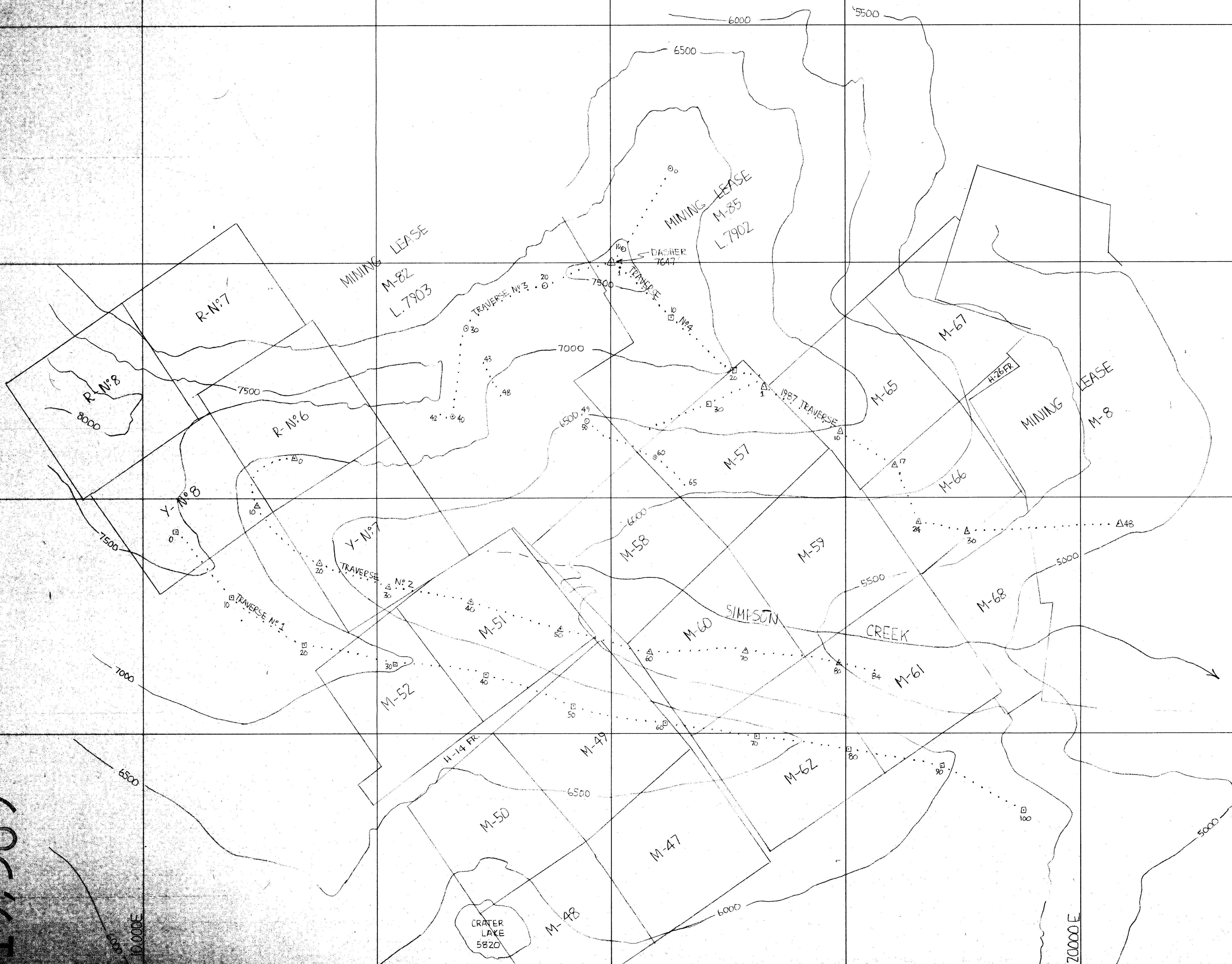
17500 N

15000 N

12500 N

10000 N

20000 E



MAP 1

MAP SHOWING TRAVERSE LINE AND CLAIM BOUNDARIES

DATE 1/10/90

BY D.A.D.

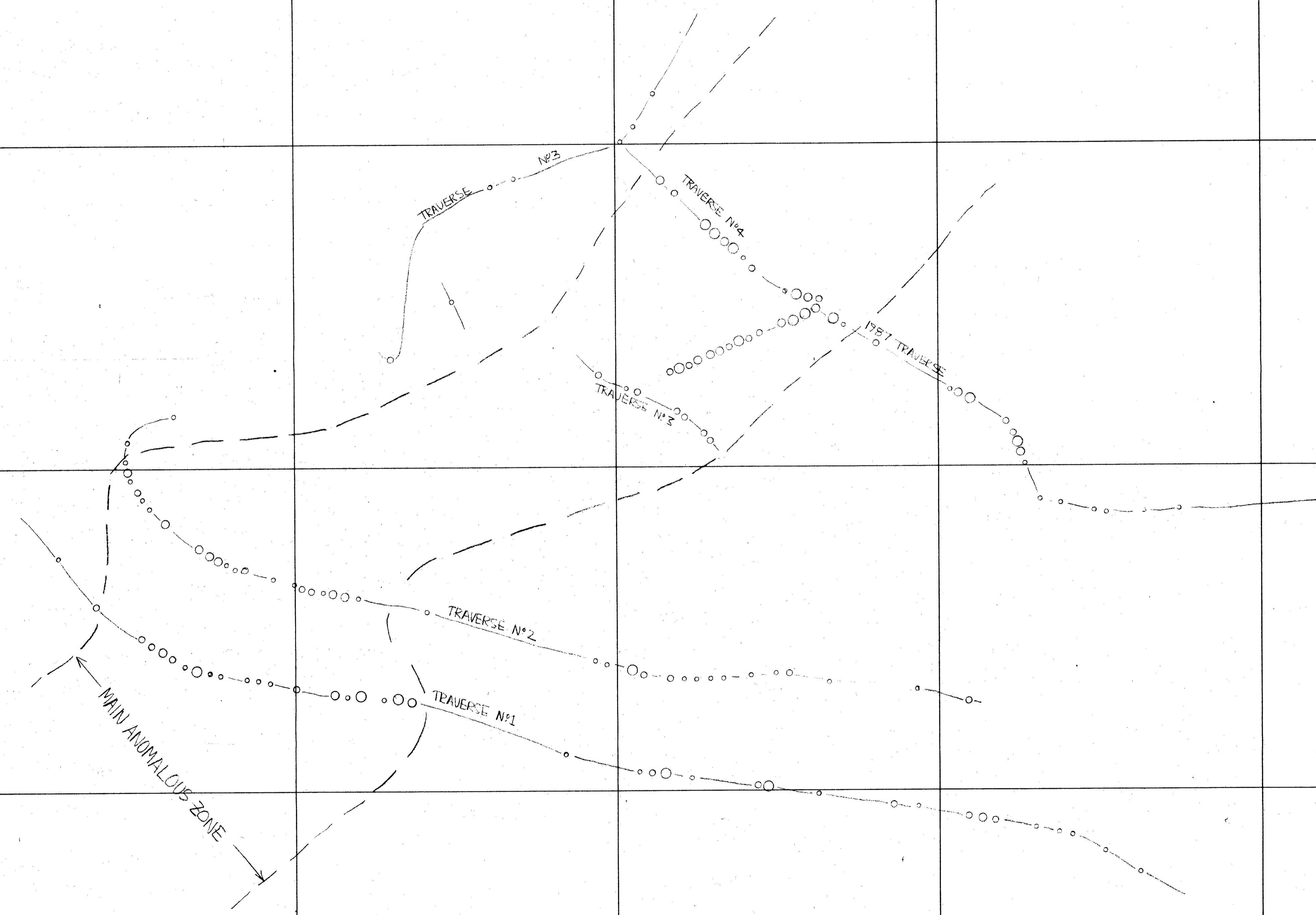
10000E

15000E

20000E

15000N

10000N



MAP 2

MAP SHOWING A₁ ANOMALIES

- WEAK
- MODERATE
- STRONG
- EXTREME

1/16/96

