

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.05.13

ASSESSMENT REPORT 17664

MINING DIVISION: Vernon

PROPERTY: Vera
LOCATION: LAT 50 21 27 LONG 119 21 12
UTM 11 5580809 332600
NTS 082L06W
CLAIM(S): Golden Zone 1, Vera 1, Vera 4-6, Tick, Tock
OPERATOR(S): Canova Res.
AUTHOR(S): Grond, H.C.
REPORT YEAR: 1988, 73 Pages

COMMODITIES

RESEARCHED FOR: Silver, Gold, Lead, Copper

GEOLOGICAL

SUMMARY: The claims are underlain by Upper Triassic Nicola Group volcanics and Jurassic-Triassic Slocan Group sedimentary rocks intruded by Cretaceous intrusions with associated feldspar porphyry dykes. Gold-silver-lead-copper mineralization is associated with quartz veins related to feldspar porphyry dykes.

WORK

DONE:

Geological, Geochemical, Geophysical

EMGR 6.5 km; VLF

GEOL 731.0 ha

Map(s) - 1; Scale(s) - 1:5000

LINE 6.5 km

ROCK 27 sample(s) ; AG, AS, CU, PB, SB, ZN, AU

SILT 1 sample(s) ; AG, AS, CU, PB, SB, ZN, AU

SOIL 259 sample(s) ; AG, AS, CU, PB, SB, ZN, AU

RELATED

REPORTS:

16816

INFILE:

082LSW015, 082LSW079

LOG NO: 0818

RD.

ACTION:

FILE NO:

**GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL
REPORT ON THE VERA PROPERTY
VERNON MINING DIVISION
SOUTHEASTERN BRITISH COLUMBIA**

Location

NTS 82-L/6W

Latitude: 50°21'N

Longitude: 119°23'W

FOR

**Canova Resources Ltd.
Suite 1560 - 701 West Georgia Street
Vancouver, B.C.
V7Y 1C6**

BY

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V7Y 1G5**

FILMED

August, 1988

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,664

TABLE OF CONTENTS

	<u>Page No.</u>
1.0 SUMMARY	i
2.0 INTRODUCTION	1
2.1 Location and Access	1
2.2 Property and Ownership	1
2.3 Physiography	2
2.4 History and Previous Work	3
3.0 GEOLOGY	4
3.1 Regional Geology and Mineral Deposits	4
3.2 Property Geology	5
3.3 Mineralization	7
4.0 GEOCHEMISTRY	7
4.1 Rock Chip Sampling Survey	8
4.2 Soil Sampling Survey	8
5.0 GEOPHYSICS	10
6.0 CONCLUSIONS AND RECOMMENDATIONS	11
7.0 REFERENCES	13



APPENDICES

APPENDIX I	Statement of Qualifications
APPENDIX II	Geochemical Preparation and Analytical Procedure
APPENDIX III	Field and Analytical Data for Rock Samples
APPENDIX IV	Analytical Data for Soils
APPENDIX V	Statistical Data
APPENDIX VI	Instrument Specifications
APPENDIX VII	VLF-EM Raw Data
APPENDIX VIII	Statement of Costs

ILLUSTRATIONS

		<u>After Page</u>
Figure 1.	General Location Map	1
Figure 2.	Claim Map	1
Figure 3.	Regional Geology Map	4
Figure 4	Property Geology Map and Regional Rock Sample Locations	pocket
Figure 5	Vera Grid Rock Sample Locations	5
Figure 6	Soil Geochemistry (Au)	9
Figure 7	Soil Geochemistry (Ag)	9
Figure 8	Soil Geochemistry (Pb)	9
Figure 9	Soil Geochemistry (Zn)	9
Figure 10	Soil Geochemistry (Cu)	9
Figure 11	Soil Geochemistry (Sb)	9
Figure 12	Soil Geochemistry (As)	9
Figure 13	VLF-EM Contours (Fraser Filtered)	10



1.0 SUMMARY

Hi-Tec Resource Management Limited conducted a geological, geochemical and geophysical exploration program during the early summer of 1988 on behalf on Canova Resources Ltd. The Vera property is located northwest of Okanagan Lake, approximately 15 km northwest of Vernon, B.C. and consists of 65 contiguous mineral claims.

The Vernon Area has seen minor placer activity since the early 1900's, however, there has been little exploration for lode gold deposits. In 1984, Huntington Resources began work on the Brett claims, which are located 20 kilometers southwest of the Vera property along Whiteman Creek. The discovery of a major epithermal gold system on the Brett claims has led to increased activity in the area, climaxing recently with the announcement by Huntington of a spectacular drill intersection of over 2 oz/ton Au over 235 feet.

The claims are underlain by Upper Triassic Nicola Group volcanics and Upper Triassic Slocan Group sedimentary rocks. The volcanics consist mainly of basaltic and andesitic tuffaceous rocks, while the sediments are primarily argillites. These rocks are cut by a granitic intrusion and numerous associated feldspar porphyry dykes. Quartz hosted precious and base metal mineralization is associated with these feldspar porphyry dykes at the Vera showing.

The results of the recent exploration program, indicate that a number of northwest trending geophysical and geochemical anomalies occur in the vicinity of the Vera showing, suggesting possible parallel structures.



A number of similarities between the Brett deposits and the Vera Showing include: proximity to an intrusive plug, associated feldspar porphyry dykes, the relationship to northwest trending structures and the proximity to basaltic and andesitic tuffaceous rocks.

The potential for widespread epithermal mineralization exists on the Vera property and a follow up program of trenching and drilling is both warranted and recommended.



2.0 INTRODUCTION

Pursuant to a request by Canova Resources Ltd. a limited program of soil geochemistry, VLF survey and geological mapping and prospecting was carried out by Hi-Tec Resource Management in the spring and early summer of 1988. The purpose of the exploration program was to explore the precious metal potential in the vicinity of the main Vera quartz vein and if possible to further delineate the vein.

This report is based on the results of the 1988 exploration program and on the available literature pertaining to the area.

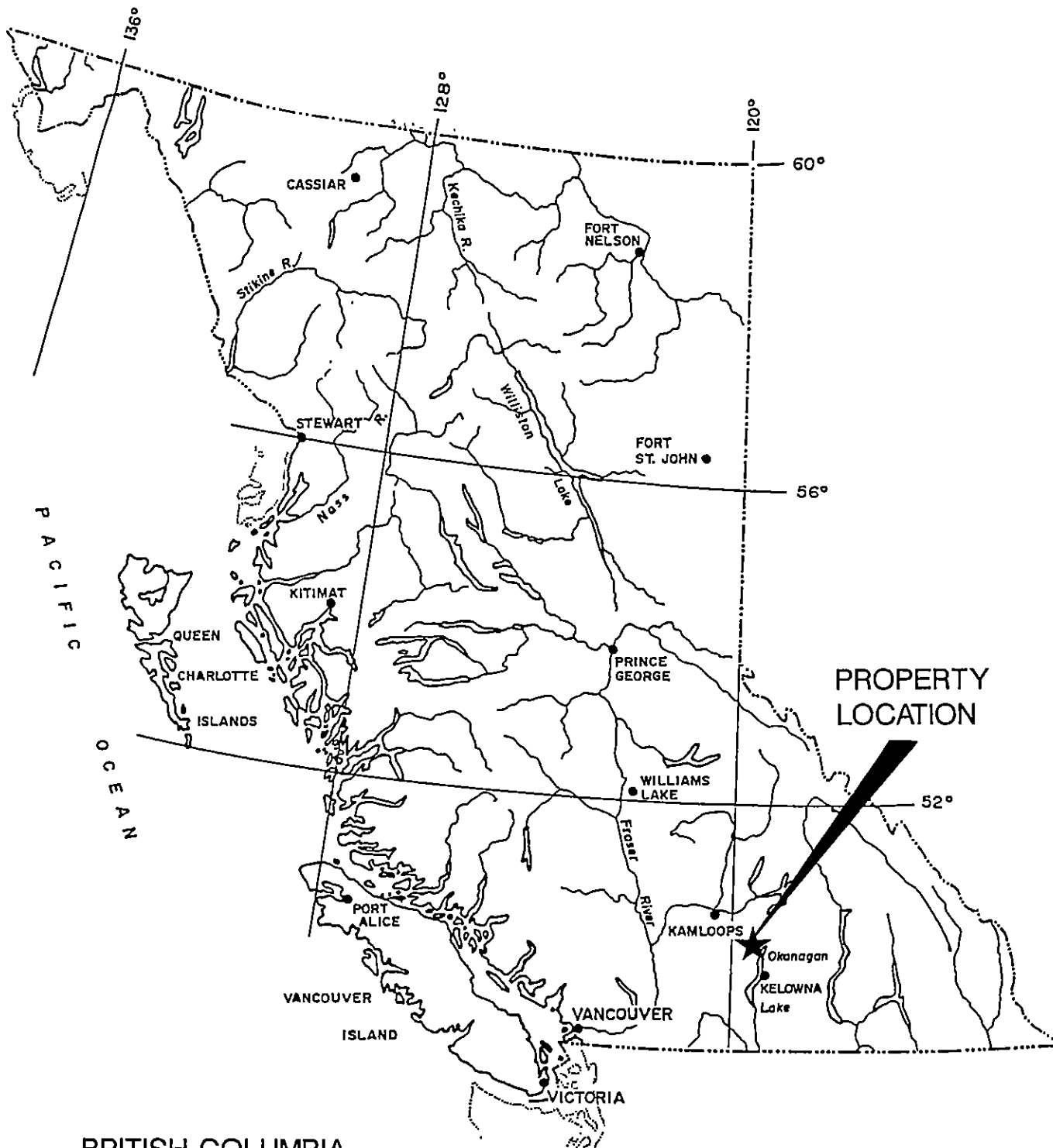
2.1 Location and Access

The Vera property is located in the Vernon Mining Division in Southern British Columbia. The claims are approximately 60 km north of Kelowna and 15 km northwest of Vernon on the north end of Okanagan Lake. The claims comprise a total of 39 units and cover an area of approximately 10 square km. The property is centered at latitude $50^{\circ} 21'$ north and longitude $119^{\circ} 23'$ west (Figure 1).

Access to the property is by a 4 - wheel drive dirt road which commences 2 km north of the Irish Creek turnoff along Westshore Road, through the yard of a local farmer.


2.2 Property and Ownership

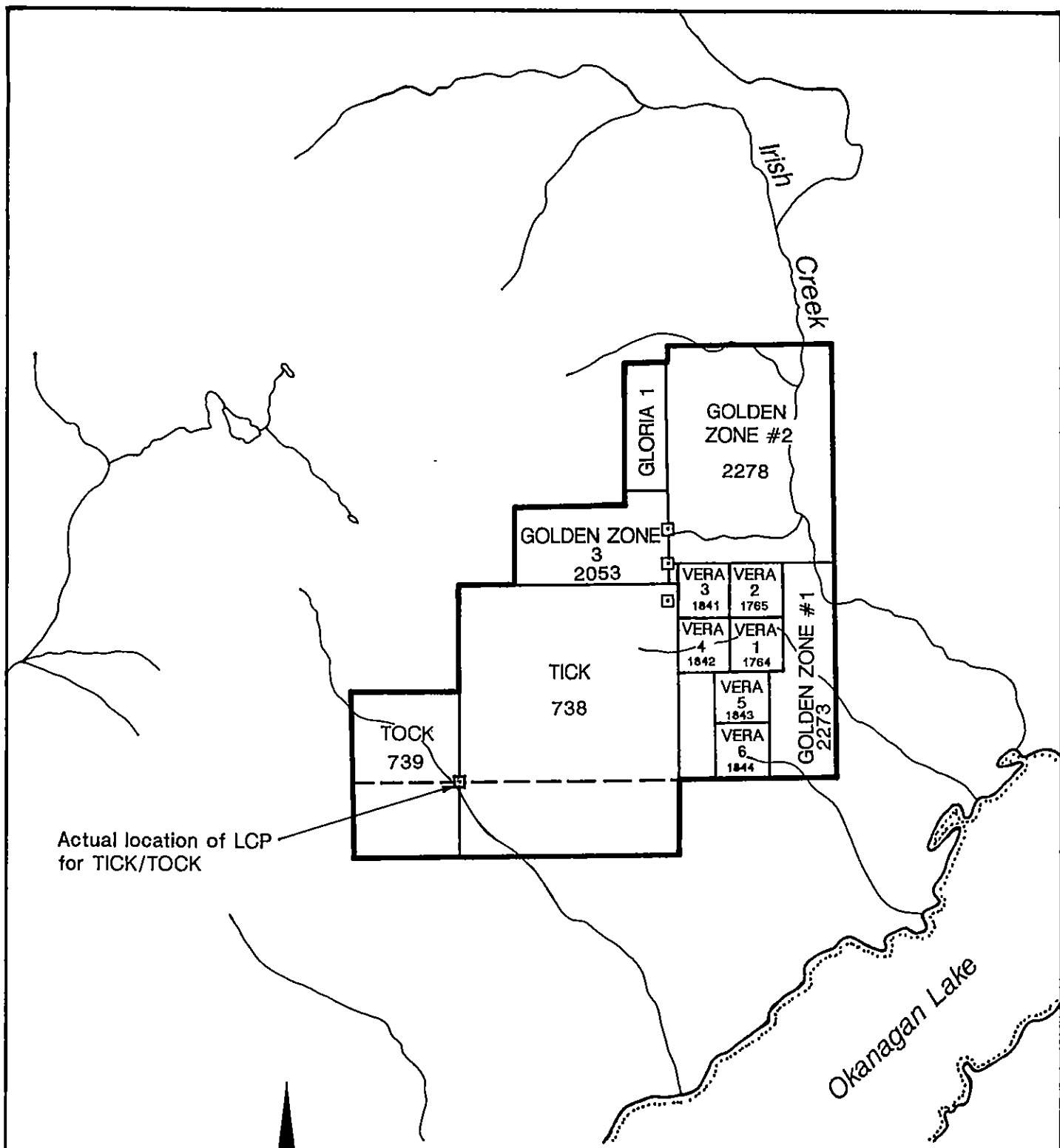
The Vera property consists of six 2-post claims, the Vera #1-6, recorded in the name of Vera Squinas of Penticton, B.C., and four modified grid claims, included the Golden Zone #1-3 and the Gloria #1 claim, all owned by Canova Resources Ltd. The Golden Zone #1 claim overstakes the six 2-post claims (Figure 2.) Recently, two more modified grid



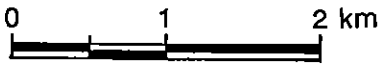
BRITISH COLUMBIA


Scale 1 : 7,500,000 approx.

CANOVA RESOURCES LTD			
VERA PROPERTY VERNON M.D			
GENERAL LOCATION MAP			
 M-TEC RESOURCE MANAGEMENT LTD.	SCALE: as shown	N.T.S. 82L/8W	FIGURE No: 1
	DWN. BY: HV	DATE: July/88	
	CHKD. BY: H Grond	PROJECT No: 88BC 006	FILE No:



Actual location of LCP
for TICK/TOCK



CANOVA RESOURCES LTD			
VERA PROPERTY			
VERNON M.D.			
CLAIM MAP			
 MITEC RESOURCE MANAGEMENT LTD	SCALE: 1 : 50,000	N.T.S.: 82L/6W	FIGURE No: 2
	DWN. BY: H.V.	DATE: July/88	
	CHKD BY: H Grond	PROJECT No: 88BC 006	FILE No:

claims, the Tick and Tock have been optioned by Canova Resources Ltd.

Pertinent claim data is summarized below:

<u>Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Vera 1	1	1764	April 26, 1989
Vera 2	1	1765	April 26, 1989
Vera 3	1	1841	June 29, 1989
Vera 4	1	1842	June 29, 1989
Vera 5	1	1843	June 29, 1989
Vera 6	1	1844	June 29, 1989
Golden Zone #1	12	2273	May 15, 1989
Golden Zone #2	12	2278	May 25, 1989
Golden Zone #3	6	2055	November 15, 1989
Gloria #1	3	2059	December 20, 1989
Tick	6	739	October 17, 1988
Tock	20	738	October 17, 1988

The claim locations are shown on Figure 2.

2.3 Physiography

The claims are situated in the Okanagan Highland at the northeast edge of the Thompson Plateau. Local topographic relief varies from moderate to very steep. Elevations on the property range from 1050 meters to 1350 meters. The main Vera showing is exposed on a steep easterly facing slope which drains into Irish Creek.

2.4 History and Previous Work

The Vernon area has seen minor placer activity since the early 1900's, however, there has been little exploration for lode gold deposits. In 1984, Huntington Resources began work on the Brett claims, which are located 20 kilometers southwest of the Vera property along Whiteman Creek. The discovery of a major epithermal gold system on the Brett claims has led to increased activity in the area, climaxing recently with the announcement by Huntington of a spectacular drill intersection of over 2 oz/ton Au over 235 feet.

The showings on the Vera property were originally discovered in 1923. Development work included the excavation of one 15 m long adit as well as several pits. Two tons were shipped and reported to run 1.0 oz/ton Au and 41.0 oz/T Ag. No further work is reported in the area of the claims until 1970, when a geochemical soil survey, magnetic survey and geology was completed over the May and Red Hawk claims (Assessment Report 2552). These claims are no longer in existence, however part of the area is now covered by the Golden Zone #1 claims. Summary reports on the property have been written by Daughtry, 1980; Wilmot, 1985; Livgard, 1986; and Shaw, 1987, 1988.

Recent work (December, 1987) carried out by Canova Resources Ltd. consisted of a limited magnetic and electromagnetic survey (1.2 km), (Freeze and Wetherill, 1988). The results of this program were inconclusive.



3.0 GEOLOGY

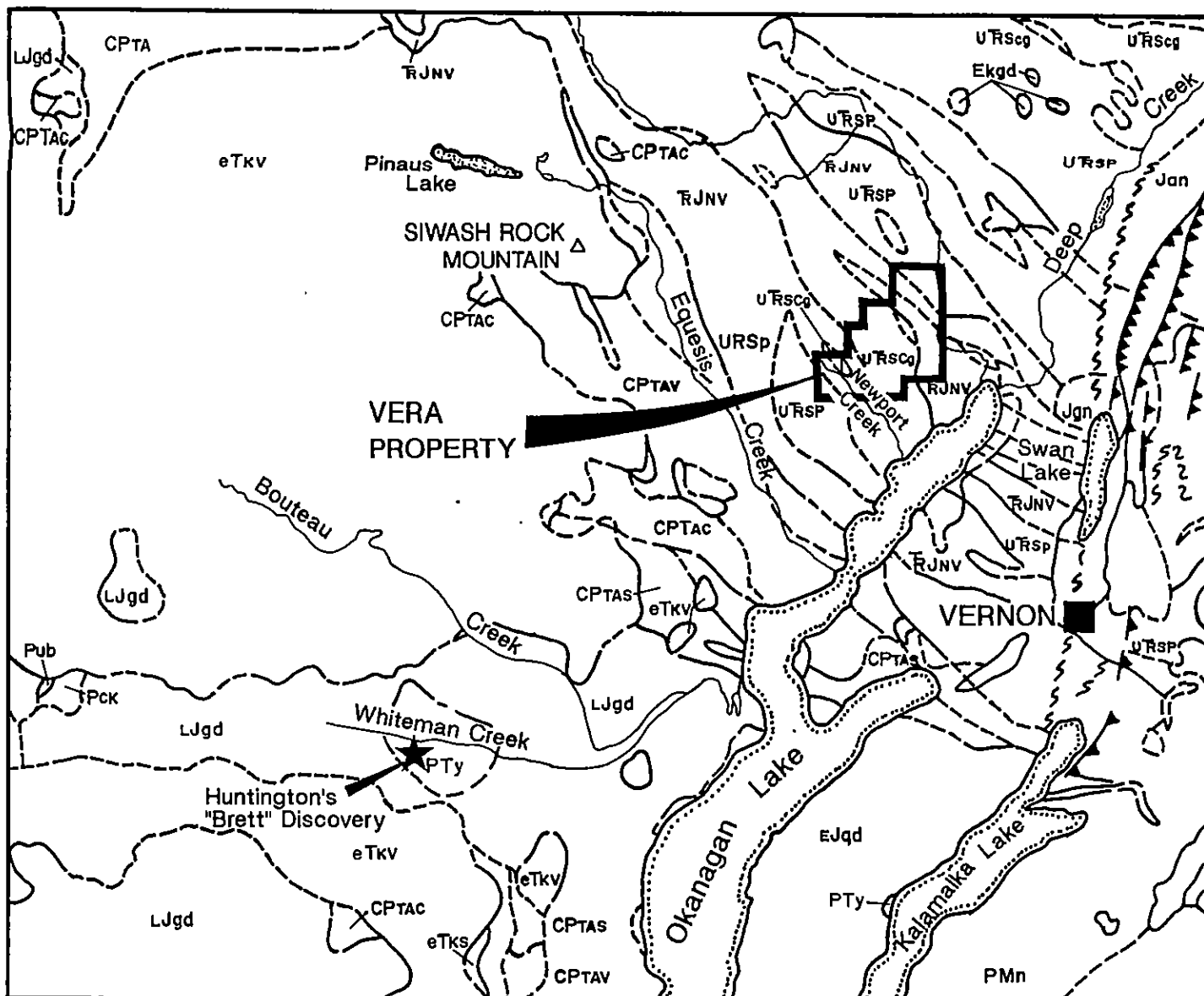
3.1 Regional Geology and Mineral Deposits

The Vera property lies within the Omineca Geological Belt. According to Okulitch et al, (1979), the area is underlain by a sequence of Triassic and Jurassic Nicola Group andesite and basalt flows with associated pyroclastics and Slocan Group sediments, consisting of shale, argillite and siltstone. This package is intruded by plugs of Cretaceous Salmon Arm Pluton with granodiorite, granite, and quartz monzonite compositions.

Tertiary Plutonic rocks consisting primarily of syenites are located in the Whiteman Creek and Whiterocks area. In the Whiteman Creek area, the syenites are closely associated with a recently discovered, high grade gold zone at the Brett property, by Huntington Resources Ltd. Huntington reports results including 235 ft. of greater than 2 oz/ton Au from a recent diamond drill hole.




The geology of the Brett property consists of tertiary volcanics, including interbedded basaltic and andesitic flows and pyroclastic (tuffaceous) rocks, in fault contact with granitic rocks. A small syenitic intrusion cuts the granitic rocks and is closely related to a series of feldspar porphyry dykes which are directly associated with the main gold bearing structures on the property. The north-northwesterly trending mineralized structures occur within the tertiary volcanics rocks and are epithermal in origin. According to W. Grunenwald, (1987), "the dykes are associated with shear zones that likely provided the planes of weakness for their emplacement".






LEGEND

- Tertiary**
- eTkV Kamloops group, volcanics
- Pty Syenite, granitic rocks
- Cretaceous**
- Ekgd Granitic rocks
- Jurassic**
- Jgn Intrusions, pegmatites, dykes
- EJgn Nelson Plutonic rocks
- Ljgd Valhalla Plutonic rocks
- Triassic & Jurassic**
- RjNV Nicola gp. volcanics & sediments
- URSp Slokan gp. sediments
- uRSeg
- Paleozoic**
- PMn Metavolcanics
- Carboniferous**
- Thompson assemblage
- CPTAs Volcanics, volcanoclastic,
- CPTAV sediments
- CPTAC
- Pub Serpentine

-  Thrust Faults
-  Mylonite zones
-  Geological boundaries



CANOVA RESOURCES LTD			
VERA PROPERTY VERNON MD.			
REGIONAL GEOLOGY			
 HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 250,000	M.T.S.: 82L/BW	FIGURE No: 3
	DWN. BY: H.V.	DATE: July/88	FILE No:
CHKD. BY: H. Grand	PROJECT No: 88BC 006		

Major west-northwest trending fault structures occur throughout the area on the northwest side of Okanagan Lake and can often be identified on the topography maps by drainage patterns.

3.2 Property Geology

A limited amount of geological mapping and prospecting was carried out on the property at a scale of 1:50000 (Figure 4). Glacial till covers the majority of the claims and outcrop is scarce. Most of the geological information was derived from road cuts and old workings.

The claims are underlain by Upper Triassic Nicola Group volcanics and Upper Triassic Slocan Group sedimentary rocks. A dioritic intrusion, presumably of Cretaceous age occurs on the east side of Newport Creek (Figure 4). Detailed mapping along the main road leading to the Vera showing, indicates that the argillites are intercalated with basaltic and andesitic tuffaceous volcanic rocks and are cut by numerous feldspar porphyry dykes ranging from 2 to 100 meters wide. The pyroclastics consist mainly of mafic, crystalline tuffs with fragments up to 5 cm in diameter. Intense chloritization has occurred through the tuffaceous unit. A descriptions of the Vera showing has been well documented by D. Shaw, 1988:

"The main showing is exposed in an east facing bank and consists of massive white quartz hosted by massive, porphyritic, augite andesite. The quartz distribution is fracture controlled, the main fracture orientation having a north-south strike direction and a moderate dip towards the west. The host rock is strongly jointed, the major joint orientations are 30/180 (dip/strike), 65/005, 85/280. The three joint orientations are well exposed in the porphyry in a road bank up slope from the main showing.



2+50 N

2+00 N

1+50 N

1+00 N

0+50 N

BASE LINE

0+50 S

1+00 S

1+50 S

2+00 S

2+50 S

1+75 W

1+00 W

0+50 W

0+00

0+50 E

1+00 E

1+50 E

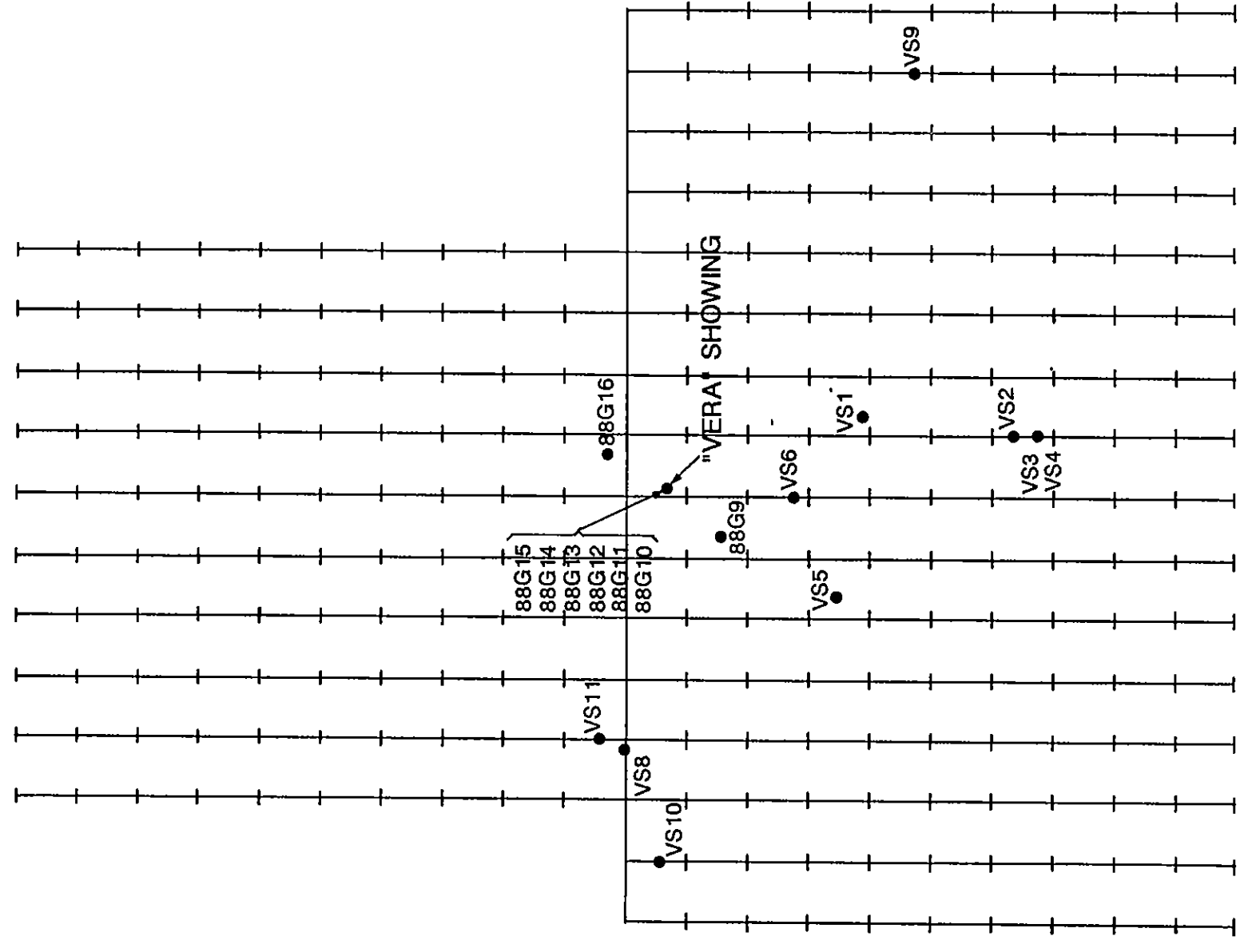
2+00 E



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,664

CANOVA RESOURCES LTD		SCALE: 1:2,500	DATE: July/88	FIGURE No: 5
VERA PROPERTY VERNON M.D.		DWN BY: H V	PROJECT No: 88BC 006	FILE No:
VERA GRID		CHRD BY: H Grund		
ROCK SAMPLE LOCATIONS				



Within the small adit at the showing, the massive white quartz vein can be traced inwards for about six feet and then it ends abruptly. It appears to have been offset by a post-mineralization movement along a steep fracture.

When traced southwards the massive quartz vein thins dramatically within the space of a few meters. The 9 centimeters in thickness parallel quartz veins with an orientation similar to that of the main vein, occur along strike and peripheral to the main showing. At the north end of the road cut containing the main showing there is another quartz vein that has a similar orientation to that of the main vein but structurally overlies it.

On the road below the main showing, there is a large road-cut bank within which is exposed a steep to vertically dipping, northwest striking, cleaved white quartz vein. The vein varies in width from a few centimeters to 1.5 meters. When projected along strike to the southwest (up slope), the vein strikes into the main showing at its northern end. When traced along strike the vein can be vaguely identified in the road-bed but is then lost down-slope in the soil covered, densely vegetated slope."

The Skookum showing is located in the northern portion of the Tock claim. The showing consists of an extremely decomposed, sugary quartz vein within a highly altered graphitic schist. The schist unit is in thrust contact to the north with rusty phyllitic sediments. The schist hosted quartz veins appear to be related to a wide shear zone which may be associated with a nearby dioritic intrusion. A grab sample from the schist/phyllite contact gave a value of 320.8 ounces per ton Ag and 0.117 ounces



per ton Au (D. Thompson, personal communication). Major excavation work in the area of the showing has covered much of the available outcrop."

3.3 Mineralization

Mineralization observed at the Vera showing includes freibergite, galena, chalcopyrite and pyrite. Spectacular samples of native gold have been reported (Livgard, 1986), however were not observed. Malachite and azurite staining are common and generally occur with the highest gold/silver values. The best values obtained came from portions of the quartz vein which were considerably narrower than the main vein. Values obtained include 4900 ppb Au, 941.7 ppm Ag, 14956 ppm Cu and 24018 ppm Pb along 1 meter of strike (88G15), (actual vein width was 5cm) and 1120 ppb Au, 420 ppm Ag, 342 ppm Cu and 1285 ppm Pb. Both these samples were obtained from the main showing.

4.0 GEOCHEMISTRY

The geochemical sampling program consisted of rock chip sampling and grid soil sampling. A total of 27 rock, 1 silt and 259 soil samples were collected on the property during the early summer of 1988. All of the samples were submitted to Min-En Laboratories Ltd., in North Vancouver, British Columbia. Gold was determined by the Fire Assay (F.A.) method and silver, arsenic, copper, lead, zinc, and antimony were analyzed by the Induced Coupled Plasma (ICP) method.

Analytical procedures are reported in Appendix II with sample descriptions and analytical data reported in Appendix III and Appendix IV respectively. Statistical treatment of the data was possible for each analyzed element in the soil geochemistry survey only. For the rock



chip geochemistry, varying rock types in the sampled area resulted in sample populations of insufficient size for meaningful statistical analysis. Statistical results, histograms, correlation coefficients, and cumulative probability plots are listed Appendix V.

4.1 Rock Chip Sampling Survey

A total of 27 rock samples were taken from the claim area. Samples were taken wherever mineralization was observed, and also from representative rock types. The majority of the samples were taken from the area covered by the grid. Several reconnaissance samples were also collected during prospecting. The location of the rock samples are shown on Figures 4 and 5. Descriptions and analytical results can be found in Appendix III.

The best values obtained from the rock chip sampling program are from mineralized rocks at the Vera showing. As mentioned previously, a high value of 4900 ppb Au (0.143 oz/ton) was obtained from a 1 meter, along strike chip sample in highly copper stained quartz.

4.2 Soil Sampling Survey

A total of 259 soil samples were collected within the surveyed area between May 4 and May 13, 1988. The objective of the 1988 survey was to test for possible extensions to the quartz veins exposed at the main Vera showing. A 375 meter east-west baseline was established, with cross-lines spaced at one hundred meters and trending northwest at 25 meter intervals. Sample spacing was 25 meters.



Soil samples were obtained by digging holes with a mattock to a depth of 20 centimeters. Where possible, the c horizon was sampled and placed in kraft paper bags. Grid coordinates were marked on the bags with permanent ink felt marker.

The results of the soil sampling survey are as follows:

Au: The maximum value obtained was 413.0 ppb. As a result of this single high number, the statistical analysis is biased. A threshold value of 10 ppb has been estimated from the cumulative probability plot. A total of 10 samples have anomalous values based on the this estimated value (Figure 6). Besides the small anomaly in the vicinity of the Vera vein, the distribution of anomalous values is erratic.

Ag: The maximum value obtained was 78.3 ppm. As a result of this extremely high number, relative to all other values obtained, the statistical analysis is biased. A threshold value of 1.8 ppm has been estimated from the cumulative probability plot. Thirty-nine samples were anomalous for silver based on this threshold value (Figure 7). High values centered around the Vera Showing and were grouped into two other distinct linear anomalies in the northern and southern portions of the grid area.

Pb: The maximum value obtained was 695 ppm. As a result of this extremely high number, relative to all other values obtained, the statistical analysis is biased. A threshold value of 32 ppm has been estimated from the cumulative probability plot. Twelve samples were considered anomalous, based on this value (Figure 8). High values centered around the Vera showing and in a roughly east-west line in the southern portion of the grid.

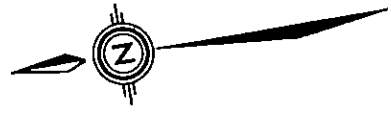
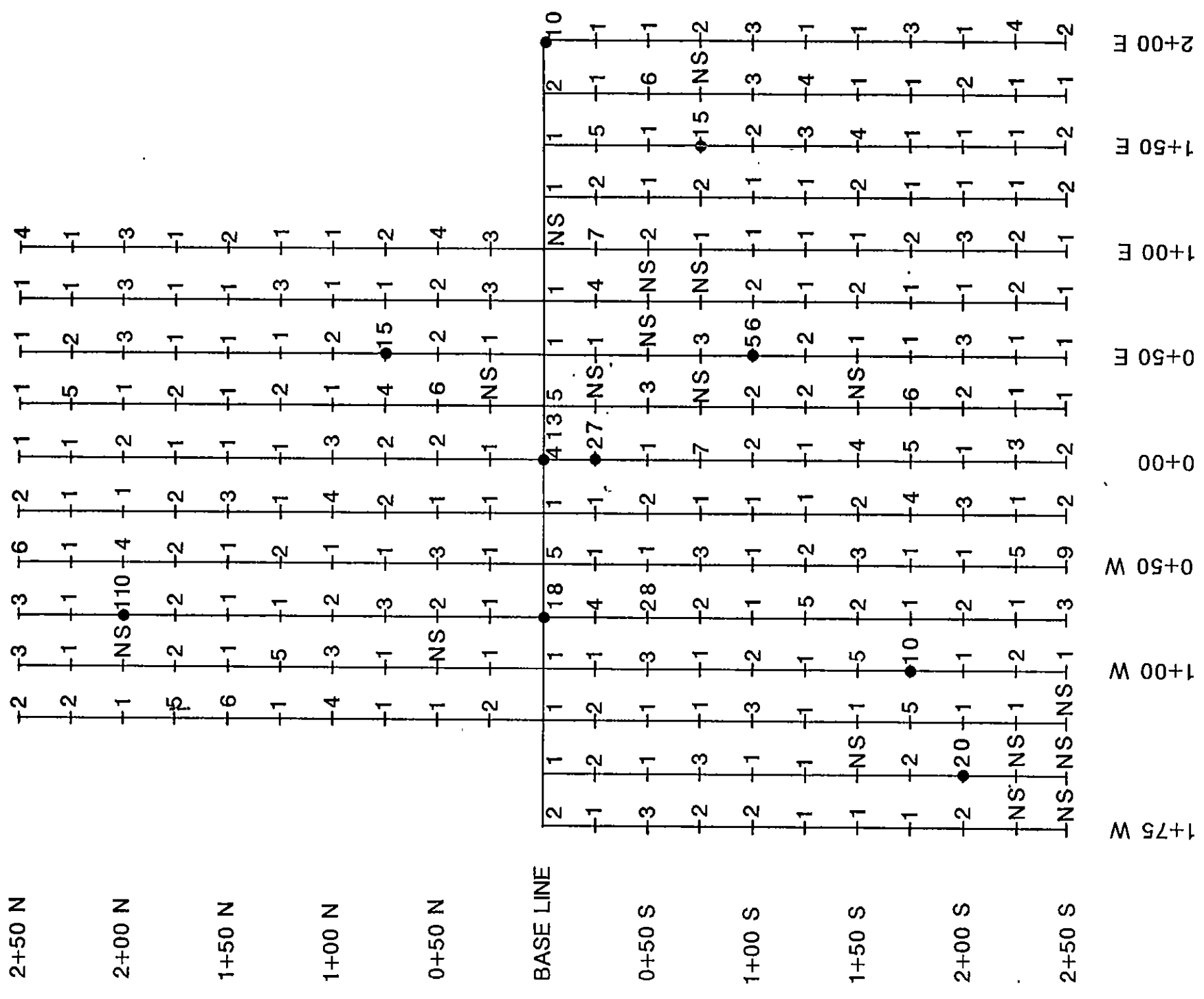


GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,664

LEGEND

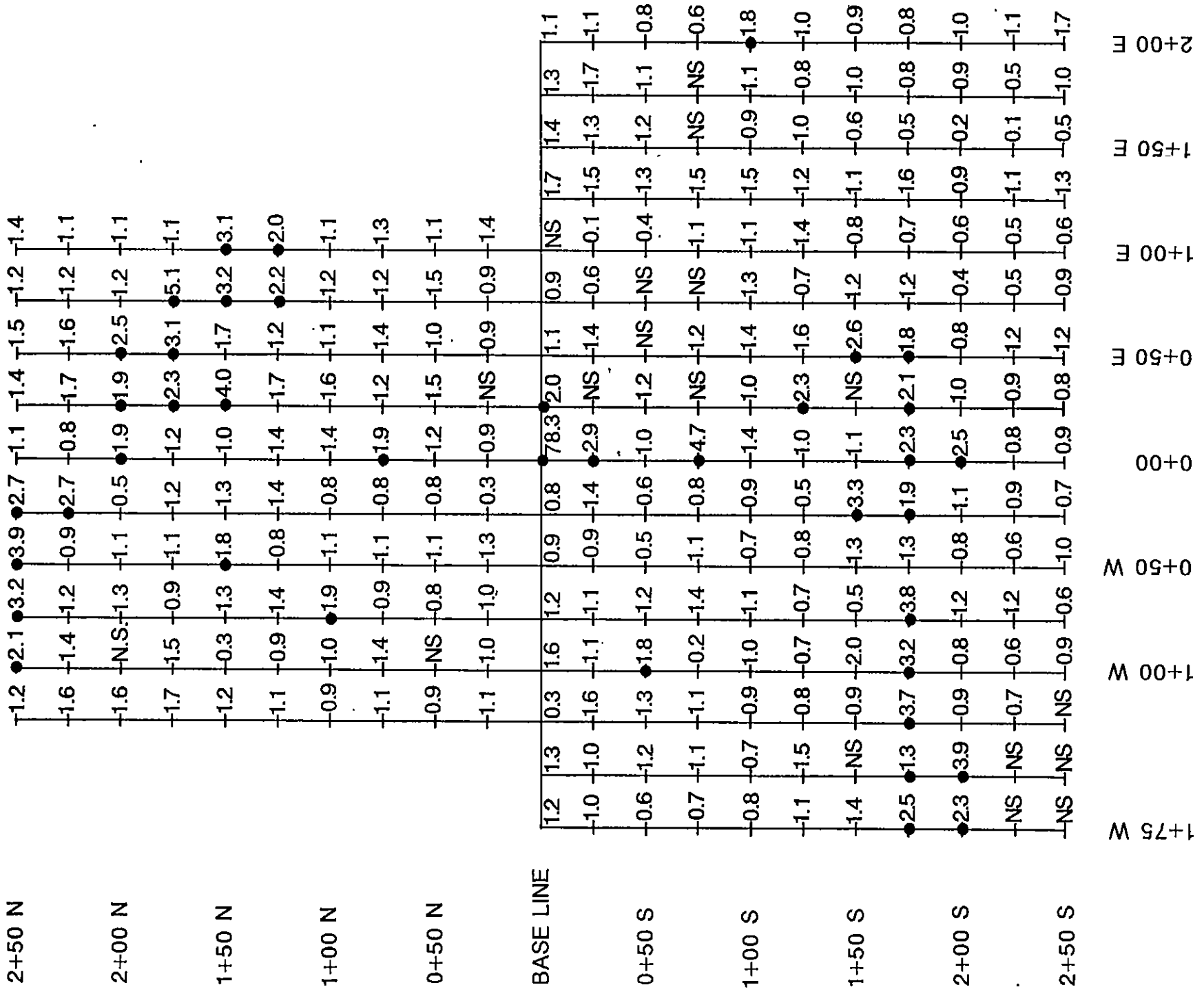
- + Au (ppb)
- Threshold value of ≥10 ppb



CANOVA RESOURCES LTD		SCALE: 1:2,500	HT 8: 82L/SW	FIGURE NO: 6
VERA PROPERTY VERNON MD		DWN. BY: H V	DATE: July/88	FILE NO:
SOIL GEOCHEMISTRY		PROJECT NO: HBC 006		
GOLD		CHRD BY: H Ground		

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,664



LEGEND
 † 1.2 • Ag (ppm)
 ● Threshold value of ≥ 1.8 ppm

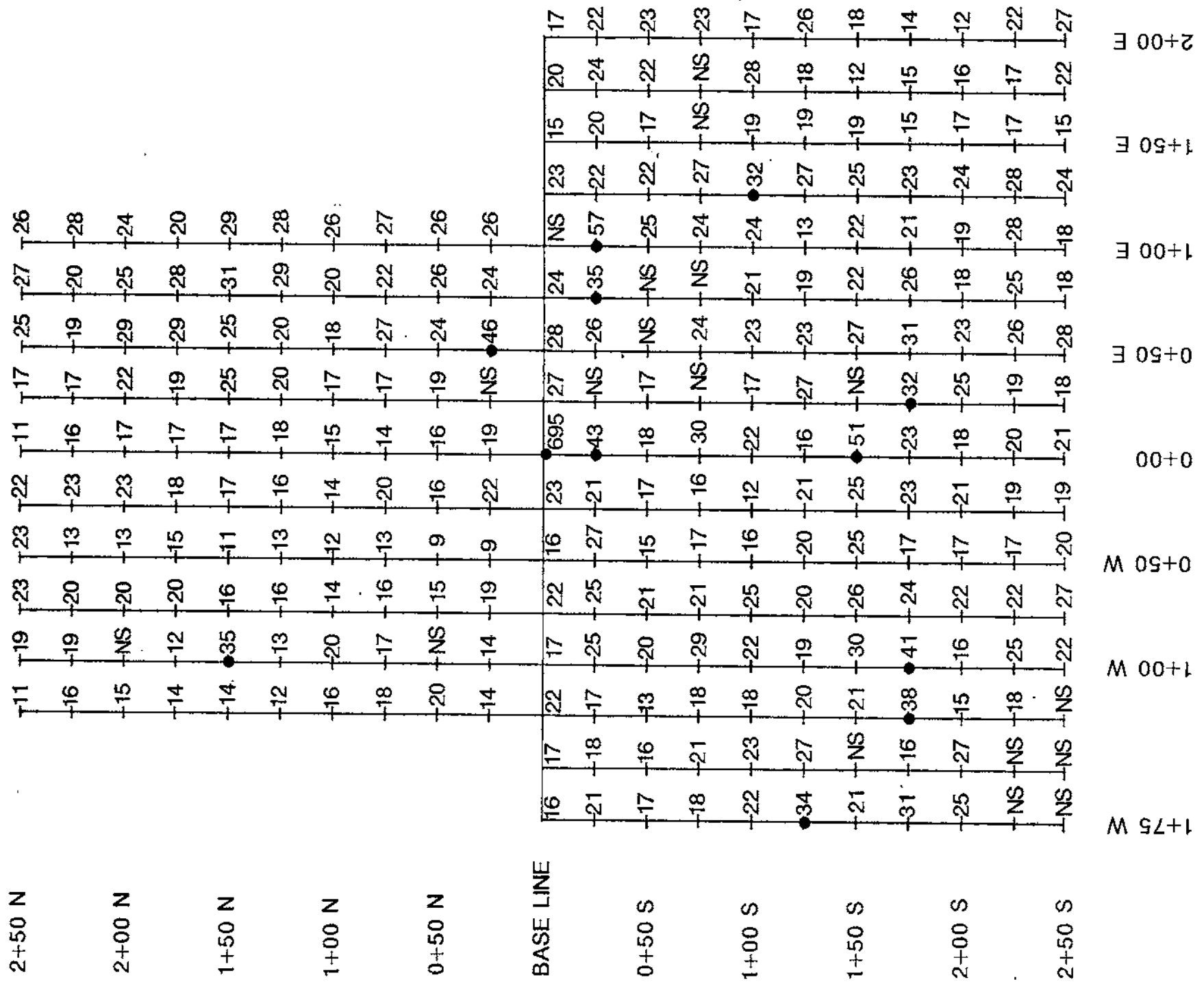


CANOVA RESOURCES LTD
 VERA PROPERTY
 VERNON MD
 SOIL GEOCHEMISTRY
 SILVER

	SCALE:	N.T.S.	FIGURE No:
	1:2,500	82L/SW	7
	DWN. BY:	DATE:	
	H.V.	July/88	
	CHRG. BY:	PROJECT No:	FILE No:
	H. Grand	88BC 006	

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,664



LEGEND

┆11 Pb (ppm)

● Threshold value ≥32 ppm

CANOVA RESOURCES LTD
VERA PROPERTY
VERNON M.D.

SOIL GEOCHEMISTRY
LEAD

SCALE:	N.T.S.	FIGURE No:
1 : 2,500	82L/SW	8
DRAWN BY:	DATE:	PROJECT No:
H.V.	July/88	88BC 006
CHRD. BY:	H. Grand	FILE No:

RITEC
RESOURCE MANAGEMENT LTD

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,664



2+50 N	183	187	816	207	498	195	142	168	234	167											
2+00 N	210	189	189	265	725	152	194	143	108	129											
1+50 N	166	NS	276	246	1020	331	250	169	155	204											
1+00 N	181	84	314	170	292	244	746	638	515	158											
0+50 N	164	280	178	306	20	306	722	354	402	742											
	148	170	131	238	223	263	215	222	585	523											
	199	147	66	149	310	301	287	219	146	228											
	153	124	206	138	212	136	225	330	251	285											
	144	NS	157	138	144	172	191	226	191	232											
	129	139	125	166	165	181	NS	210	204	155											
BASE LINE	129	135	204	270	202	212	183	500	216	145	95	NS	123	140	25	192					
0+50 S	219	161	112	200	105	175	209	217	NS	194	93	162	185	194	142	171					
1+00 S	165	316	318	117	210	176	283	201	150	NS	NS	193	256	121	116	178					
1+50 S	237	195	204	688	362	221	226	84	NS	220	NS	176	236	NS	NS	132					
2+00 S	576	219	213	185	234	176	182	180	243	192	142	192	210	252	296	102					
	857	511	262	292	230	223	217	263	540	226	193	190	195	186	126	285					
	488	NS	578	482	367	307	770	897	NS	725	457	374	235	193	153	178					
	638	421	601	907	632	476	584	440	705	424	344	310	265	218	182	172					
	875	947	382	198	191	196	266	308	337	250	253	205	214	199	152	193					
	NS	NS	653	222	182	201	186	253	213	192	287	205	232	202	280						
2+50 S	NS	NS	NS	167	200	218	171	206	258	200	172	176	220	197	353	570					

LEGEND

+183 Zn (ppm)

● Threshold value ≥644 ppm



CANOVA RESOURCES LTD		SCALE: 1 : 2,500	N.T.S.: 82L/BW	FIGURE No: 9
VERA PROPERTY		DWN. BY: H.V.	DATE: July/86	PROJECT No: 88BC 006
SOIL GEOCHEMISTRY		FILE No:		
ZINC		PROJECT No: 88BC 006		



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,664

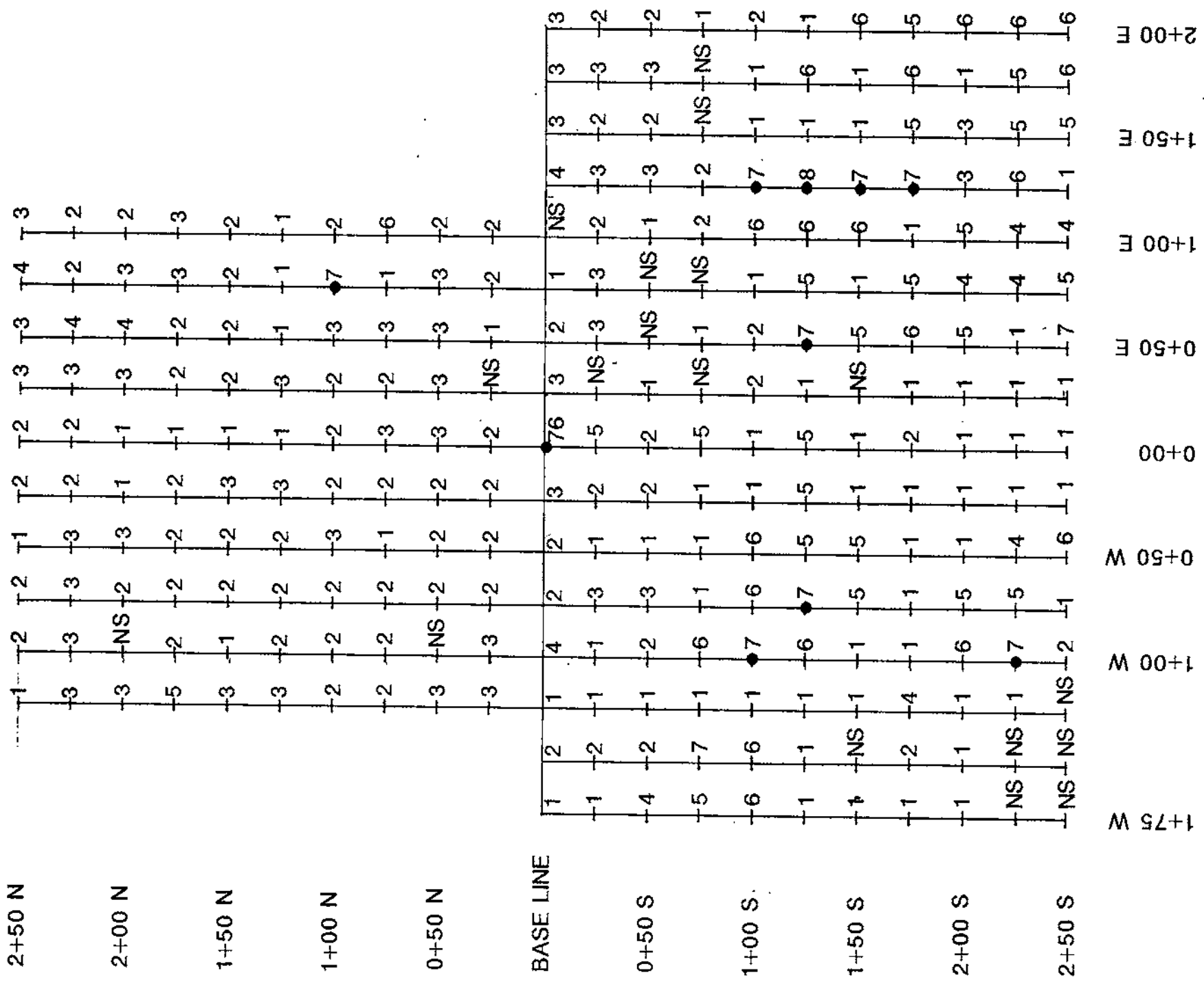


2+50 N	-32	-30	-40	-83	-28	-27	-31	-15	-14	-14											
2+00 N	-17	-28	-54	-12	-42	-18	-17	-17	-24	-20											
1+50 N	-18	-NS	-40	-11	-13	-35	-34	-25	-11	-13											
1+00 N	-15	-13	-48	-37	-44	-25	-32	-47	-37	-8											
0+50 N	-28	-18	-12	-21	-32	-22	-88	-14	-35	-29											
	-14	-19	-14	-55	-24	-19	-28	-60	-28	-41											
	-12	-13	-24	-17	-25	-14	-36	-15	-146	-15											
	-21	-26	-11	-19	-10	-14	-25	-23	-19	-114											
	-11	-	-27	-16	-18	-10	-25	-8	-29	-18											
	-17	-11	-22	-8	-8	-28	-NS	-14	-10	-22											
BASE LINE	26	16	8	18	12	11	104	14	25	9	NS	13	22	1	14						
	-62	-17	-31	-14	-14	-15	-40	-NS	-12	-27	-22	-15	-26	-17	-19						
0+50 S	-101	-25	-31	-17	-14	-25	-13	-NS	-NS	-39	-36	-20	-14	-22							
	-127	-94	-46	-68	-74	-93	-55	-17	-30	-193	-131	-113	-60	-NS	-19						
1+00 S	-4	-84	-62	-126	-136	-113	-86	-93	-60	-74	-NS	-210	-126	-84	-64	-22					
	-69	-33	-43	-100	-131	-129	-122	-132	-132	-179	-122	-215	-168	-43	-71	-88					
1+50 S	-35	-NS	-59	-65	-60	-103	-95	-106	-115	-129	-47	-179	-143	-57	-61	-137					
	-49	-30	-112	-101	-135	-68	-95	-53	-103	-133	-127	-71	-241	-163	-115	-125					
2+00 S	-48	-75	-54	-107	-88	-88	-74	-85	-121	-149	-132	-139	-113	-94	-48	-129					
	-NS	-NS	-40	-135	-103	-76	-86	-97	-108	-98	-135	-93	-154	-137	-135	-81					
2+50 S	-NS	-NS	-NS	-56	-96	-159	-80	-103	-109	-122	-162	-134	-104	-128	-101	-182					

LEGEND
 +18 Cu (ppm)
 ● Threshold value of ≥159 ppm



CANOVA RESOURCES LTD		SCALE: 1 : 2,500	NTS: 82L/SW	FIGURE No: 10
VERA PROPERTY VERNON M.D.		DWN. BY: H.V.	DATE: July/88	
SOIL GEOCHEMISTRY COPPER		CHRD. BY: H. Grand	PROJECT No: 88BC 006	FILE No:



LEGEND

+1 Sb (ppm)

● Threshold value of ≥7 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,664

CANOVA RESOURCES LTD		
VERA PROPERTY VERNON M.D.		
SOIL GEOCHEMISTRY ANTIMONY		
SCALE: 1 : 2,500	N.T.S.: 82L/SW	FIGURE No.
DWR. BY: H.V.	DATE: July/88	11
CHD. BY: H. GIORI	PROJECT No. 88BC 005	FILE No.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
17.664



Station	39	39	26	14	8	31	35	27	21	3	12	NS	39	22	30	13
2+50 N																
2+00 N																
1+50 N																
1+00 N																
0+50 N																
BASE LINE	39	39	26	14	8	31	35	27	21	3	12	NS	39	22	30	13
0+50 S																
1+00 S																
1+50 S																
2+00 S																
2+50 S																
	1+75 W	1+00 W	0+50 W	0+00	0+50 F	1+00 F	1+50 F	2+00 F								
	1+75 W	1+00 W	0+50 W	0+00	0+50 F	1+00 F	1+50 F	2+00 F								

LEGEND

- +11 As (ppm)
- Threshold value of ≥58 ppm



 MREB RESOURCE MANAGEMENT LTD		SCALE:	N.T.S.:	FIGURE No:
		1 : 2,500	82L/6W	12
DWN. BY:	DATE:	PROJECT No:		
H.V.	July/88	88BC 006		
CHRD. BY: H. Grund		FILE No:		

CANOVA RESOURCES LTD
VERA PROPERTY
VERNON M.D.
SOIL GEOCHEMISTRY
ARSENIC

Zn: Sixteen samples were considered to be anomalous at a calculated threshold value of 644 ppm (Figure 9). The two well defined linear anomalies, closely coincide with the silver anomalies in the northern and southern portions of the grid.

Cu: Eleven samples were considered anomalous, based on a calculated threshold value of 159.4 ppm (Figure 10). Anomalous copper values were grouped in a northwest trending zone in the southeastern corner of the grid.

SB: The maximum value obtained was 76 ppm. As a result of this extremely high number, relative to all other values obtained, the statistical analysis is biased. A threshold value of 7 ppm has been estimated from the cumulative probability plot. A total of ten samples were considered to be anomalous at this value (Figure 11). Values are generally higher in the southern portion of the grid and are poorly grouped.

As: Eight samples were considered anomalous, based on a calculated threshold value of 58 ppm (Figure 12). Values are generally higher in the southern half of the grid. Anomalous values are erratically dispersed.

5.0 GEOPHYSICS

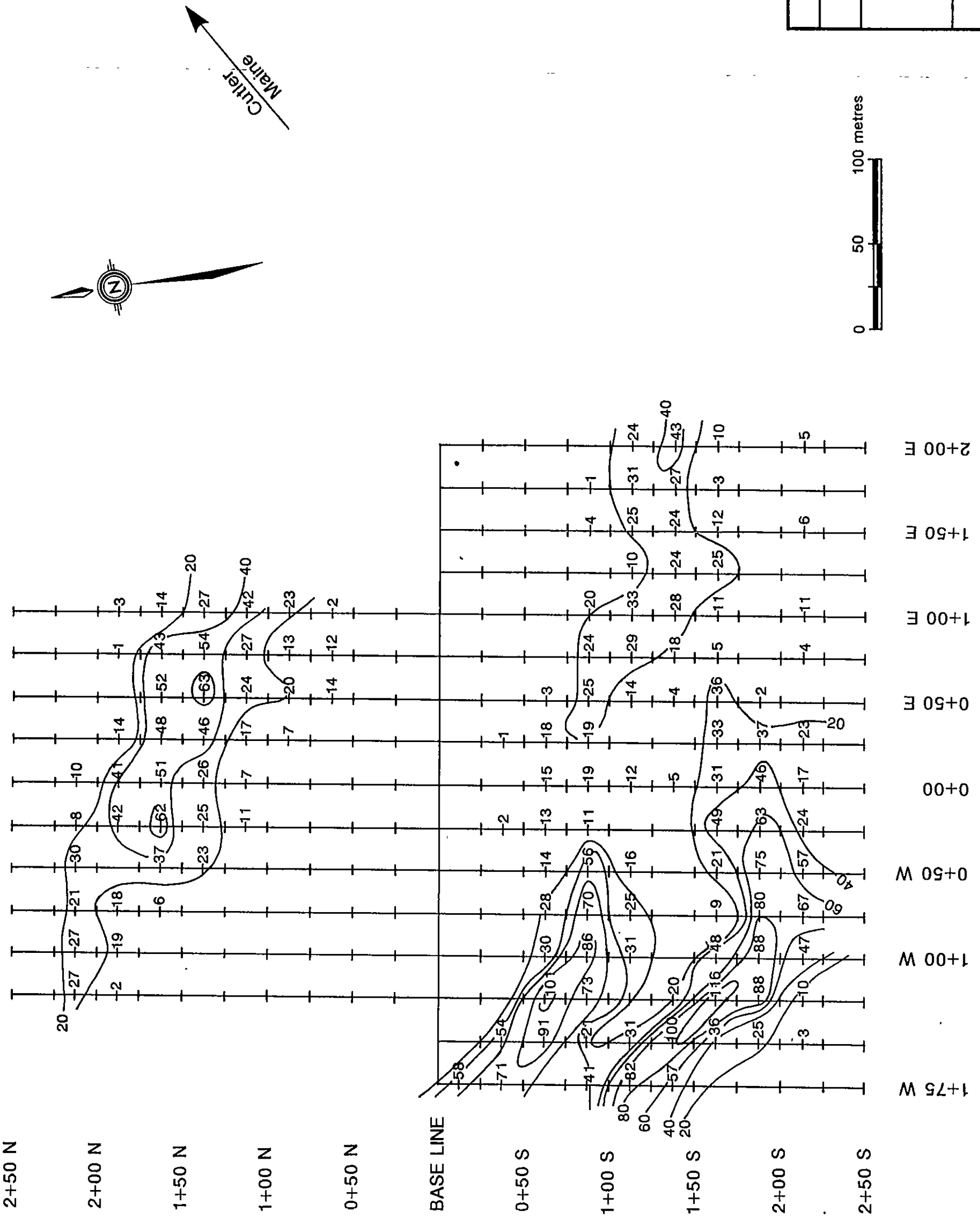
A detailed ground VLF-EM survey was performed between May 4 and 13, 1988 over the grid established previously during the geochemical survey. The objective was to test for a conductive response from the mineralized quartz vein in the area of the Vera showing and attempt to trace extensions of this vein. The grid consists of a 350 meter eastwest baseline with 6.5 kilometers of chained lines spaced at 25



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,664

CANOVA RESOURCES LTD		SCALE: 1:2,500	DATE: July/88	FIGURE No: 13
VERA PROPERTY VERNON, B.C.		DRAWN BY: H.V.	PROJECT No: 88BC 006	FILE No:
VLF-EM SURVEY		CHIEF: H. Grand		
- FRASER FILTERED				



Cutler
Maire



meter intervals, with a 25 meter station interval. Grid cross lines were all 250 meters in length.

The VLF-EM survey was run using a Geonics EM-16 as a field unit. The transmitting station used was Cutler, Maine (17.8 khz), as it most closely aligned with the grid.

The results of the survey indicate that no conductive response was observed in the area of the showings (Figure 13). Several well defined parallel northwest-southeast conductors were outlined north and south of the showing area. This direction parallels the strike direction of the major sedimentary argillite units in the area and may be related to stratigraphy. In general, the soil geochemical anomalies also tend to strike northwesterly, particularly in the southern half of the grid.

6.0 CONCLUSIONS AND RECOMMENDATIONS

A program of geological mapping, sampling, rock and soil geochemistry and geophysics was carried out on the Vera property in early summer, 1988. The objective was to explore for possible extensions to the main Vera quartz vein and define the geologic environment of deposition for the mineralization.

The results of the program indicate that the geology, VLF-EM, and geochemical anomalies all tend to strike northwesterly. This coincides with the strike direction of the main quartz vein and its host structure. The possibility of parallel structures to the known Vera showing is excellent.

The Vera property is located to the west of Okanagan Lake, approximately 20 kilometers north of Huntington's recent



Brett gold discovery. The geology of the Vera showing has a number of similarities to that of the Brett deposit, including:

- nearby proximity of an intrusive plug
- epithermal mineralization associated with feldspar porphyry dykes
- mineralization concentrated along northwesterly trending structures
- close proximity to basaltic and andesitic tuffaceous rocks

The historical occurrence of extremely high grade gold bearing pockets within the main Vera Vein, suggests a possible "bonanza" type outlyer of a much more extensive epithermal system. A follow-up program of trenching and drilling is recommended to test the geochemical and geophysical targets outlined during the recent program. In addition, exploration work should be carried out over the remainder of the claim area to look for further epithermal mineralization.

Respectfully submitted,

HI-TEC RESOURCE MANAGEMENT LTD.



Helen C. Grond, M.Sc., F.G.A.C.



7.0 REFERENCES

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preliminary Map. 65.



APPENDIX I

Statement of Qualifications




STATEMENT OF QUALIFICATIONS

I, HELEN C. GROND, of the city of Vancouver, Province of British Columbia, hereby certify that:

1. I am a geologist residing at 2729 Yale Street, in the City of Vancouver, Province of British Columbia.
2. I obtained a Bachelor of Science degree in Geology from the University of British Columbia in 1980, and a Master of Science degree in Geology from the same University in 1982.
3. I am a Fellow, in good standing, of the Geological Association of Canada.
4. I have been practising my profession as a geologist in Canada and the United States permanently since 1982 and seasonally since 1978.
5. I have not received, nor do I expect to receive, any interests, direct or indirect in the securities of Canova Resources Ltd.

Dated in Vancouver, British Columbia, this 9 day of August, 1988.

SIGNED:


Helen C. Grond, M.Sc., F.G.A.C.



APPENDIX II

Geochemical Preparation and Analytical Procedure

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

Analytical Procedure Report for Assessment Work

31 Element ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu, Fe, K, Li,
Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn, Ga, Sn, W,
Cr

Samples are processed by Min-En Laboratories Ltd., at
705 West 15th Street, North Vancouver, employing the
following procedures.

After drying the samples at 95°C soil and stream sediment
samples are screened by 80 mesh sieve to obtain the minus
80 mesh fraction for analysis. The rock samples are
crushed by a jaw crusher and pulverized by ceramic
plated pulverizer or ring mill pulverizer.

1.0 gram of the sample is digested for 4 hours with an
aqua regia HClO₄ mixture.

After cooling samples are diluted to standard volume.
The solutions are analysed by computer operated Jarrall
Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively
Coupled Plasma Spectrometers. Reports are formatted and
printed using a dot-matrix printer.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bowicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Agua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

APPENDIX III

Field and Analytical Data For Rock Samples



DESCRIPTION OF ROCK SAMPLES

Samples 88G1-88G7 were collected for the purpose of possible petrographhic work and thus were not analyzed.

- 88G08 Jedi Showing
30 feet chip grab in trench, rusty stained
quartz
- 88G09 See map
grab sample of clastic mafic tuff with some
feldspar phenocrysts and varicoloured lithic
fragments 1-3 cm in diameter. Rusty staining
on some fractures.
- 88G10 See map
silicified feldspar porphyry with rusty
quartz veins up to 5 cm wide. Chip sample
across 2 feet.
- 88G11 See map
siliceous quartz breccia, rusty, cemented.
chip grab across 8 feet.
- 88G12 Vera showing
random grab of loose material on site of
previous high grade showing.
- 88G13 Vera showing
Select grab from dump next to adit of heavily
copper stained quartz.
- 88G14 Vera showing
chip grab across 7 feet, quartz vein and
country rock above high grade zone.
- 88G15 Vera showing
chip grab along strike for 3 feet, narrow
quartz vein (5cm). Quartz with freibergite and
copper staining.
- 88G16 See map
Grab sample from sheared rusty quartz at
contact between quartz vein and feldspar
dyke.
- 88G17 See map
Grab sample of fine-grained to coarse grained
mafic tuff with rusty staining.

- 88G18 See map
float in tree roots, finely layered siltstone
with rusty staining and < 1% disseminated
pyrite.
- 88G19 See map
Subcrop of medium grey lithic tuff/wacke
- 88G20 See map
Float, lithic-crystal tuff
- 88G21 See map
Grab of granitic rock, altered and mafic,
possible diorite.
- 88G22 See map
stained quartz float, no visible
mineralization.
- 88G23 See map
rusty stained quartz from boulders in old hand
dug trench, no outcrop was exposed.
- 88G24 See map
Silt sample from creek, near Skookum Showing.
- See Figure for the following rock sample
locations.
- 88VS1 Float. Angular, black-green altered volcanic
(basalt ?) Minor diss. pyrite and small (2mm)
vuggy qtz. fracture fillings.
- 88VS2 Outcrop. Rusty wx. argillite, no visible min.
- 88VS3 Outcrop. 10-15 cm dyke 310°/70° SW. Dark
grey, fine grained with diss. biotite.
Small 2-3 mm feldspar phenocrysts and minor
diss. pyrite.
- 88VS4 Outcrop. Deformed and bx. argillite adjacent
to dyke. Flooded with vuggy calcite. No
visible mineralization.
- 88VS5 Outcrop. 2-4 mm vuggy qtz. veins in volcanic.
Other veinlets in different strikes and some
intersecting.
- 88VS6 Outcrop. Qtz. veins up to 4 cm in porphyritic
volcanic, no visible mineralization.

- 88VS7 Outcrop. 4cm qtz. vein in volcanic. No visible mineralization.
- 88VS8 Talus. Boulder of qtz. vein material up to 20 x 20 x 30 cm. Minor Galena and trace pyrite.
- 88VS9 Outcrop. Rusty wx, fine grained dark grey volcanic. Appears tuffaceous in spots. Minor diss. pyrite.
- 88VS10 Outcrop. Feldspar porphyry, rusty on fractures. Minor diss. pyrite.
- 88VS11 Talus. Qtz. boulders, veins are hosted by dk. grey to black feldspar porphyry. Veins are milky white with minor vugs. Some rust on fractures. Trace galena, trace pyrite.

PROJECT NO:

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

FILE NO: 8-839/P1

ATTENTION:

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

* TYPE ROCK GEOCHEM *

DATE: JULY 8, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
88608	5.6	123	7	669	1	303	50
88609	3.4	71	71	93	18	80	2
88610	2.2	20	5	22	8	38	13
88611	4.0	2	22	98	11	44	10
88612	164.1	26	769	367	82	333	188
88613	766.4	38	4908	23213	629	1611	1640
88614	420.0	86	342	1285	347	192	1120
88615	941.7	284	14956	24018	5653	1457	4900
88616	76.8	107	293	448	88	449	220
88617	10.0	50	135	90	29	105	4
88618	1.0	23	11	33	11	94	10
88619	.9	29	48	47	16	89	1
88620	.3	35	4	45	20	105	2
88621	2.1	46	16	9	10	28	1
88622	2.3	61	17	10	9	9	5
88623	2.2	49	40	19	12	84	3
88624	2.2	54	58	50	17	258	2

COMPANY: HI-TEC RESOURCE MANAGEMENT

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 888C006

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7H 1T2

FILE NO: 8-527

ATTENTION: P.SORBARA

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

* TYPE ROCK GEOCHEM *

DATE: MAY 17, 1988

(PPM)	88VS1	88VS2	88VS3	88VS4	88VS5	88VS6	88VS7	88VS8	88VS9	88VS10	88VS11
Ag	1.2	.8	.7	2.9	1.1	.3	.2	.8	.4	.2	2.5
AS	46	37	34	8	18	68	42	79	37	34	73
CU	54	61	3	22	4	6	34	12	85	25	14
PB	23	27	23	20	23	19	21	139	35	33	102
SB	5	1	7	1	5	4	4	8	3	4	7

ZN	86	128	90	350	52	23	23	51	42	27	68
AU-PPB	3	46	2	3	6	11	4	28	7	3	21

APPENDIX IV

Analytical Data For Soils



PROJECT NO: BB BC006

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

FILE NO: B-527/P1+2

ATTENTION: P. SORBARA

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

* TYPE SOIL GEOCHEM * DATE: MAY 20, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L075E 000N	.9	12	9	24	1	97	1
L075E 025N	.9	18	10	24	2	206	3
L075E 050N	1.5	24	29	26	3	191	2
L075E 075N	1.2	16	19	22	1	251	1
L075E 100N	1.2	1	146	20	7	146	1
L075E 125N	3.2	3	28	29	1	585	3
L075E 150N	3.2	18	35	31	2	402	1
L075E 175N	5.1	19	37	28	3	515	1
L075E 200N	1.2	14	11	25	3	155	3
L075E 225N	1.2	24	24	20	2	108	1
L075E 250N	1.2	23	14	27	4	234	1
L100E 000N	N/S						
L100E 025N	1.4	21	22	26	2	153	3
L100E 050N	1.1	5	18	26	2	238	4
L100E 075N	1.3	14	114	27	6	285	2
L100E 100N	1.1	10	15	26	2	228	1
L100E 125N	2.0	1	41	28	1	523	1
L100E 150N	3.1	5	29	29	2	742	2
L100E 175N	1.1	17	8	20	3	158	1
L100E 200N	1.1	20	13	24	2	204	3
L100E 225N	1.1	23	20	28	2	129	1
L100E 250N	1.4	19	14	26	3	167	4
L050E 000N	1.1	5	25	28	2	145	1
L050E 025N	.9	13	14	46	1	210	1
L050E 050N	1.0	19	8	24	3	226	2
L050E 075N	1.4	19	23	27	3	330	15
L050E 100N	1.1	21	15	18	3	219	2
L050E 125N	1.2	10	60	20	1	228	1
L050E 150N	1.7	15	14	25	2	354	1
L050E 175N	3.1	12	47	29	2	638	1
L050E 200N	2.5	36	25	29	4	169	3
L050E 225N	1.6	41	17	19	4	143	2
L050E 250N	1.5	24	15	25	3	168	1
L125E 000S	1.7	36	15	23	4	123	1
L125E 025S	1.5	36	15	22	3	185	2
L125E 050S	1.3	25	36	22	3	256	1
L125E 075S	40M 1.5	28	60	27	2	236	2
L125E 100S	1.5	20	126	32	7	210	1
L125E 125S	1.2	21	168	27	8	195	1
L125E 150S	1.1	14	143	25	7	235	2
L125E 175S	1.6	21	241	23	7	265	1
L125E 200S	.9	26	113	24	3	214	1
L125E 225S	1.1	21	154	28	6	232	1
L125E 250S	1.3	34	104	24	1	220	2
L050E 000S	N/S						
L050E 025S	1.4	30	12	26	3	194	1
L050E 050S	N/S						
L050E 075S	1.2	22	193	24	1	220	3
L050E 100S	1.4	30	74	23	2	192	56
L050E 125S	1.6	28	179	23	7	226	2
L050E 150S	2.6	9	129	27	5	725	1
L050E 175S	1.8	12	133	31	6	424	1
L050E 200S	.8	12	149	23	5	250	3
L050E 225S	1.2	27	98	26	1	192	1
L050E 250S	1.2	30	122	28	7	200	1
L175E 000S	1.3	30	13	20	3	251	2
L175E 025S	1.7	44	17	24	3	142	1
L175E 050S	1.1	30	14	22	3	116	6
L175E 075S	N/S						
L175E 100S	1.1	20	64	28	1	296	3

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L175E 125S	.8	47	71	18	6	126	4
L175E 150S	1.0	1	61	12	1	153	1
L175E 175S	.8	51	115	15	6	182	1
L175E 200S	.9	43	48	16	1	152	2
L175E 225S	.5	47	135	17	5	208	1
L175E 250S	1.0	31	121	22	6	353	1
L200E 000S	1.1	13	14	17	3	192	10
L200E 025S	1.1	5	19	22	2	177	1
L200E 050S	.8	40	22	23	2	178	1
L200E 075S	.6	1	19	23	1	132	2
L200E 100S	1.8	1	22	17	2	102	3
L200E 125S	1.0	34	88	26	1	285	1
L200E 150S	.9	62	137	18	6	178	1
L200E 175S	.8	46	125	14	5	172	3
L200E 200S	1.0	61	129	12	6	193	1
L200E 225S	1.1	47	81	22	6	280	4
L200E 250S	1.7	41	182	27	6	570	2
L150W 000S	1.3	39	28	17	2	135	1
L150W 025S	1.0	1	17	18	2	161	2
L150W 050S	1.2	3	25	16	2	316	1
L150W 075S	1.0	51	94	21	7	195	3
L150W 100S	.7	48	84	23	6	219	1
L150W 125S	1.5	36	33	27	1	511	1
L150W 150S	N/S						
L150W 175S	1.3	1	30	16	2	421	2
L150W 200S	3.9	20	75	27	1	947	20
L150W 225S	N/S						
L150W 250S	N/S						
L175W 000S	1.2	39	26	16	1	129	2
L175W 025S	1.0	44	62	21	1	219	1
L175W 050S	.6	51	101	17	4	165	3
L175W 075S	.7	55	127	18	5	237	2
L175W 100S	.8	27	48	22	6	576	2
L175W 125S	1.1	26	69	34	1	857	1
L175W 150S	1.4	38	35	21	1	488	1
L175W 175S	40M 2.5	46	49	31	1	638	1
L175W 200S	2.3	23	48	25	1	875	2
L175W 225S	N/S						
L175W 250S	N/S						
L100W 000S	1.6	14	8	17	4	270	1
L100W 025S	1.1	33	14	25	1	200	1
L100W 050S	1.8	49	17	20	2	117	3
L100W 075S	.2	22	68	29	6	600	1
L100W 100S	1.0	74	126	22	7	185	2
L100W 125S	.7	53	100	19	6	292	1
L100W 150S	2.0	50	65	30	1	482	5
L100W 175S	3.2	40	101	41	1	907	10
L100W 200S	.8	44	107	16	6	198	1
L100W 225S	.6	56	135	25	7	222	2
L100W 250S	.9	1	56	22	2	167	1
L125W 000S	.3	26	16	22	1	204	1
L125W 025S	1.6	7	31	17	1	112	2
L125W 050S	1.3	1	31	13	1	278	1
L125W 075S	1.0	39	46	18	1	204	1
L125W 100S	.9	55	62	18	1	213	3
L125W 125S	.8	32	43	20	1	262	1
L125W 150S	.9	31	59	21	1	578	1
L125W 175S	3.7	40	112	38	4	601	5
L125W 200S	.9	27	54	15	1	382	1
L125W 225S	.7	35	40	18	1	653	1

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L125W 250S	N/S						
L075E 025S	.6	1	27	35	3	93	4
L075E 050S	N/S						
L075E 075S	N/S						
L075E 100S	1.3	50	131	21	1	142	2
L075E 125S	.7	50	122	19	5	193	1
L075E 150S	1.2	17	47	22	1	457	2
L075E 175S	1.2	40	127	26	5	344	1
L075E 200S	.4	34	132	18	4	253	1
L075E 225S	.5	51	135	25	4	287	2
L075E 250S	.9	58	162	18	5	172	1
L100E 025S	.1	38	22	57	2	162	7
L100E 050S	.4	41	39	25	1	193	2
L100E 075S	1.1	40	113	24	2	176	1
L100E 100S	1.1	1	210	24	6	192	1
L100E 125S	1.4	58	215	13	6	190	1
L100E 150S	.8	45	179	22	6	374	1
L100E 175S	.7	37	71	21	1	310	2
L100E 200S	.6	43	139	19	5	205	3
L100E 225S	.5	36	93	28	4	205	2
L100E 250S	.6	46	134	18	4	176	1
L050W 000S	.9	31	12	16	2	212	5
L050W 025S	.9	1	14	27	1	175	1
L050W 050S	.5	1	41	15	1	176	1
L050W 075S	1.1	1	93	17	1	221	3
L050W 100S	.7	42	113	16	6	176	1
L050W 125S	.8	48	129	20	5	223	2
L050W 150S	40M 1.3	37	103	25	5	307	3
L050W 175S	1.3	4	68	17	1	476	1
L050W 200S	.8	1	88	17	1	196	1
L050W 225S	.6	3	76	17	4	201	5
L050W 250S	1.0	1	159	20	6	218	9
L075W 000S	1.2	8	18	22	2	202	18
L075W 025S	1.1	12	21	25	3	105	4
L075W 050S	1.2	10	14	21	3	210	28
L075W 075S	1.4	3	74	21	1	362	2
L075W 100S	1.1	1	136	25	6	234	1
L075W 125S	.7	55	131	20	7	230	5
L075W 150S	.5	42	60	26	5	367	2
L075W 175S	3.8	1	135	24	1	632	1
L075W 200S	1.2	10	88	22	5	191	2
L075W 225S	40M 1.2	1	103	22	5	182	1
L075W 250S	.6	1	96	27	1	200	3
L025E 000N	2.0	21	14	27	3	216	5
L025E 025N	N/S						
L025E 050N	1.5	11	25	19	3	191	6
L025E 075N	1.2	8	25	17	2	282	4
L025E 100N	1.6	6	36	17	2	409	1
L025E 125N	1.7	20	28	20	3	215	2
L025E 150N	4.0	1	88	25	2	722	1
L025E 175N	2.3	30	38	19	2	746	2
L025E 200N	1.9	16	34	22	3	250	1
L025E 225N	1.7	19	17	17	3	194	5
L025E 250N	1.4	7	31	17	3	142	1
L000 025N	.9	6	28	19	2	181	1
L000 050N	1.2	14	10	16	3	172	2
L000 075N	1.9	11	14	14	3	136	2
L000 100N	1.4	7	14	15	2	301	3
L000 125N	1.4	9	19	18	1	263	1
L000 150N	1.0	6	22	17	1	304	1

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L000 175N	1.2	1	25	17	1	244	1
L000 200N	1.9	32	35	17	1	331	2
L000 225N	.8	6	18	16	2	152	1
L000 250N	1.1	1	27	11	2	195	1
L025 025N	.3	31	8	22	2	165	1
L025 050N	.8	38	18	16	2	144	1
L025 075N	.8	4	10	20	2	212	2
L025 100N	.8	1	25	14	2	310	4
L025 125N	1.4	1	24	16	3	223	1
L025 150N	1.3	31	32	17	3	201	3
L025 175N	1.2	1	44	18	2	292	2
L025 200N	.5	1	13	23	1	1020	1
L025 225N	2.7	1	42	23	2	725	1
L025 250N	2.7	27	28	22	2	498	2
L000 000S	78.3	28	104	695	76	500	413
L000 025S	2.9	11	40	43	5	217	27
L000 050S	1.0	1	13	18	2	201	1
L000 075S 40M	4.7	74	17	30	5	84	7
L000 100S	1.4	1	93	22	1	180	2
L000 125S	1.0	30	132	16	5	263	1
L000 150S 40M	1.1	1	106	51	1	897	4
L000 175S	2.3	37	53	23	2	440	5
L000 200S 40M	2.5	42	85	18	1	308	1
L000 225S	.8	30	98	20	1	253	3
L000 250S	.9	32	103	21	1	206	2
L025W 000S	.8	35	11	23	3	183	1
L025W 025S	1.4	29	15	21	2	209	1
L025W 050S	.6	21	25	17	2	283	2
L025W 075S	.8	33	55	16	1	226	1
N/S							
L025W 100S	.9	61	86	12	1	182	1
L025W 125S	.5	21	122	21	5	317	1
L025W 150S	3.3	30	95	25	1	770	2
L025W 175S 40M	1.9	32	95	23	1	584	4
L025W 200S	1.1	32	74	21	1	266	3
L025W 225S	.9	45	86	19	1	186	1
L025W 250S	.7	37	80	19	1	171	2
L025E 050S	1.2	36	30	17	1	150	3
L025E 100S	1.0	36	60	17	2	243	2
L025E 125S	2.3	19	132	27	1	540	2
L025E 175S	2.1	31	103	32	1	705	6
L025E 200S	1.0	27	121	25	1	337	2
L025E 225S	.9	40	108	19	1	213	1
L025E 250S	.8	33	109	18	1	258	1
L100W 025N	1.0	9	11	14	3	139	1
L100W 075N	1.4	2	26	17	2	124	1

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L100W 100N	1.0	4	13	20	2	147	3
L100W 125N	.9	7	19	13	2	170	5
L100W 150N	.3	38	18	35	1	280	1
L100W 175N	1.5	6	13	12	2	84	2
L100W 225N	1.4	21	28	19	3	189	1
L100W 250N	2.1	6	30	19	2	187	3
L125W 025N	1.1	57	17	14	3	129	2
L125W 050N	.9	13	11	20	3	144	1
L125W 075N	1.1	11	21	18	2	153	1
L125W 100N	.9	9	12	16	2	199	4
L125W 125N	1.1	3	14	12	3	148	1
L125W 150N	1.2	11	28	14	3	164	6
L125W 175N	1.7	25	15	14	5	181	5
L125W 200N	1.6	18	18	15	3	166	1
L125W 225N	1.6	9	17	16	3	210	2
L125W 250N	1.2	3	32	11	1	183	2
L050W 025N	1.3	4	8	9	2	166	1
L050W 050N	1.1	3	16	9	2	138	3
L050W 075N	1.0	42	19	13	1	138	1
L050W 100N	1.1	16	17	12	3	149	1
L050W 125N	.8	49	55	13	2	238	2
L050W 150N	1.8	1	21	11	2	306	1
L050W 175N	1.1	43	37	15	2	170	2
L050W 200N	1.1	1	11	13	3	246	4
L050W 225N	.9	10	12	13	3	265	1
L050W 250N	3.9	37	83	23	1	1207	6
L075W 025N	1.0	5	22	19	2	125	1
L075W 050N	.8	46	27	15	2	157	2
L075W 075N	.9	1	11	16	2	206	3
L075W 100N	1.9	5	24	14	2	66	2
L075W 125N	1.4	5	14	16	2	131	1
L075W 150N	1.3	4	12	16	2	178	1
L075W 175N	.9	37	48	20	2	314	2
L075W 200N	1.3	11	40	20	2	276	110
L075W 225N	1.2	15	54	20	3	189	31
L075W 250N	3.2	32	40	23	2	816	3
L100W 225N DUP.	1.7	4	17	13	3	148	2
L150E 000S	1.4	22	22	15	3	140	1
L150E 025S	1.3	1	26	20	2	194	5
L150E 050S	1.2	11	20	17	2	121	1
L150E 100S	.9	18	84	19	1	252	2
L150E 125S	1.0	34	43	19	1	186	3
L150E 150S	.6	20	57	19	1	193	4
L150E 175S	.5	34	163	15	5	218	1
L150E 200S	.2	24	94	17	3	199	1
L150E 225S	.1	14	137	17	5	232	1
L150E 250S	.5	18	128	15	5	197	2

APPENDIX V

Statistical Data



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AG

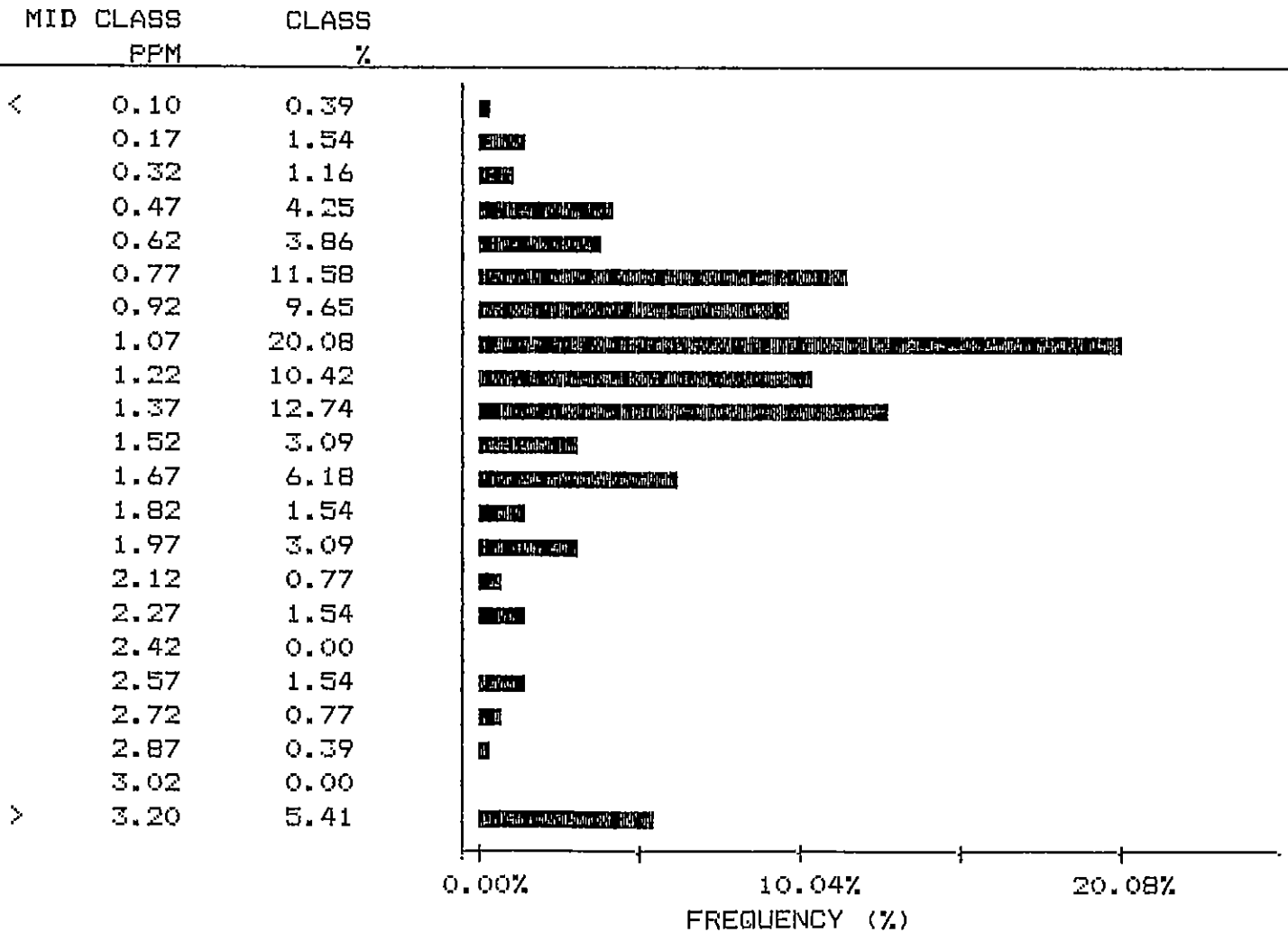
COMPANY: HI-TEC RESOURCE MANAGEMENT
 ATTN: P. SORBARA
 PROJECT: 88BC006
 FILE#: 8-527

DATE: AUGUST 9, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

NUMBER OF SAMPLES: 259
 MAXIMUM VALUE: 78.3 PPM
 MINIMUM VALUE: 0.1 PPM
 MEAN: 1.6 PPM
 STD. DEVIATION: 4.8 PPM
 COEFF. OF VARIATION: 3.0

5 HIGHEST AG VALUES:
 L000 000S 78.3 PPM
 L075E 175N 5.1 PPM
 L000 075S 40M 4.7 PPM
 L025E 150N 4.0 PPM
 L150W 200S 3.9 PPM

HISTOGRAM FOR AG CLASS INTERVAL = 0.15



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

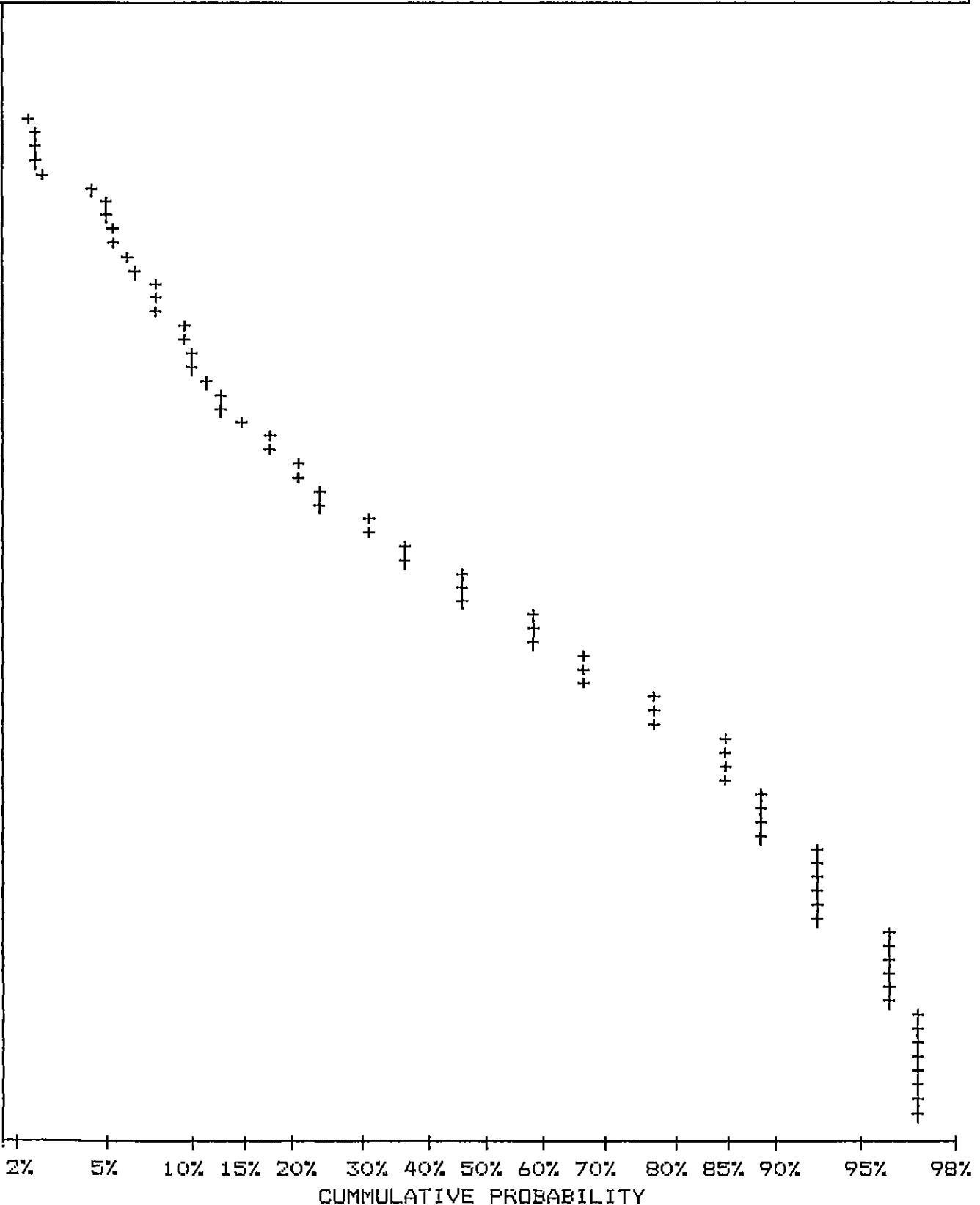
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AG

COMPANY: HI-TEC RESOURCE MANAGEMENT
 ATTN: P. SORBARA
 PROJECT: 88BC006
 FILE#: 8-527

DATE: AUGUST 9, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
3.86	1.93
3.61	2.70
3.37	2.70
3.14	4.63
2.93	5.41
2.74	5.79
2.55	6.95
2.38	8.11
2.22	9.65
2.08	10.42
1.94	11.58
1.81	13.51
1.69	18.15
1.57	21.24
1.47	24.32
1.37	31.27
1.28	37.07
1.19	47.49
1.11	47.49
1.04	59.46
0.97	67.57
0.91	67.57
0.85	77.22
0.79	85.33
0.74	85.33
0.69	88.80
0.64	88.80
0.60	92.66
0.56	92.66
0.52	92.66
0.49	96.14
0.45	96.14
0.42	96.14
0.40	96.91
0.37	96.91
0.34	96.91
0.32	96.91
0.30	98.07



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AS

COMPANY: HI-TEC RESOURCE MANAGEMENT
 ATTN: P. SORBARA
 PROJECT: 88BC006
 FILE#: 8-527

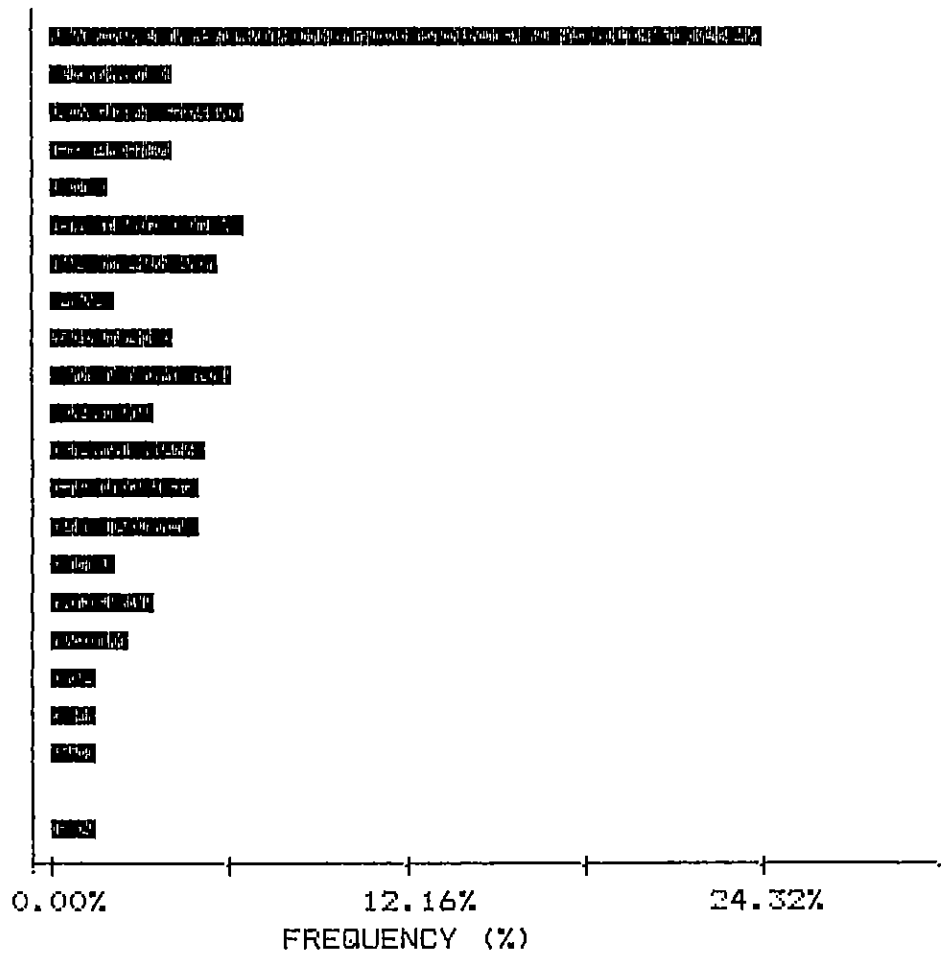
DATE: AUGUST 9, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

NUMBER OF SAMPLES: 259
 MAXIMUM VALUE: 74.0 PPM
 MINIMUM VALUE: 1.0 PPM
 MEAN: 23.4 PPM
 STD. DEVIATION: 17.3 PPM
 COEFF. OF VARIATION: 0.7

5 HIGHEST AS VALUES:
 L100W 100S 74.0 PPM
 L000 075S 40M 74.0 PPM
 L200E 150S 62.0 PPM
 L300E 200S 61.0 PPM
 L025W 100S 61.0 PPM

HISTOGRAM FOR AS CLASS INTERVAL = 2.70

MID CLASS PPM	CLASS %
< 7.00	24.32
8.35	4.25
11.05	6.56
13.75	4.25
16.45	1.93
19.15	6.56
21.85	5.79
24.55	2.32
27.25	4.25
29.95	6.18
32.65	3.47
35.35	5.41
38.05	5.02
40.75	5.02
43.45	2.32
46.15	3.47
48.85	2.70
51.55	1.54
54.25	1.54
56.95	1.54
59.65	0.00
> 61.00	1.54



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AS

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

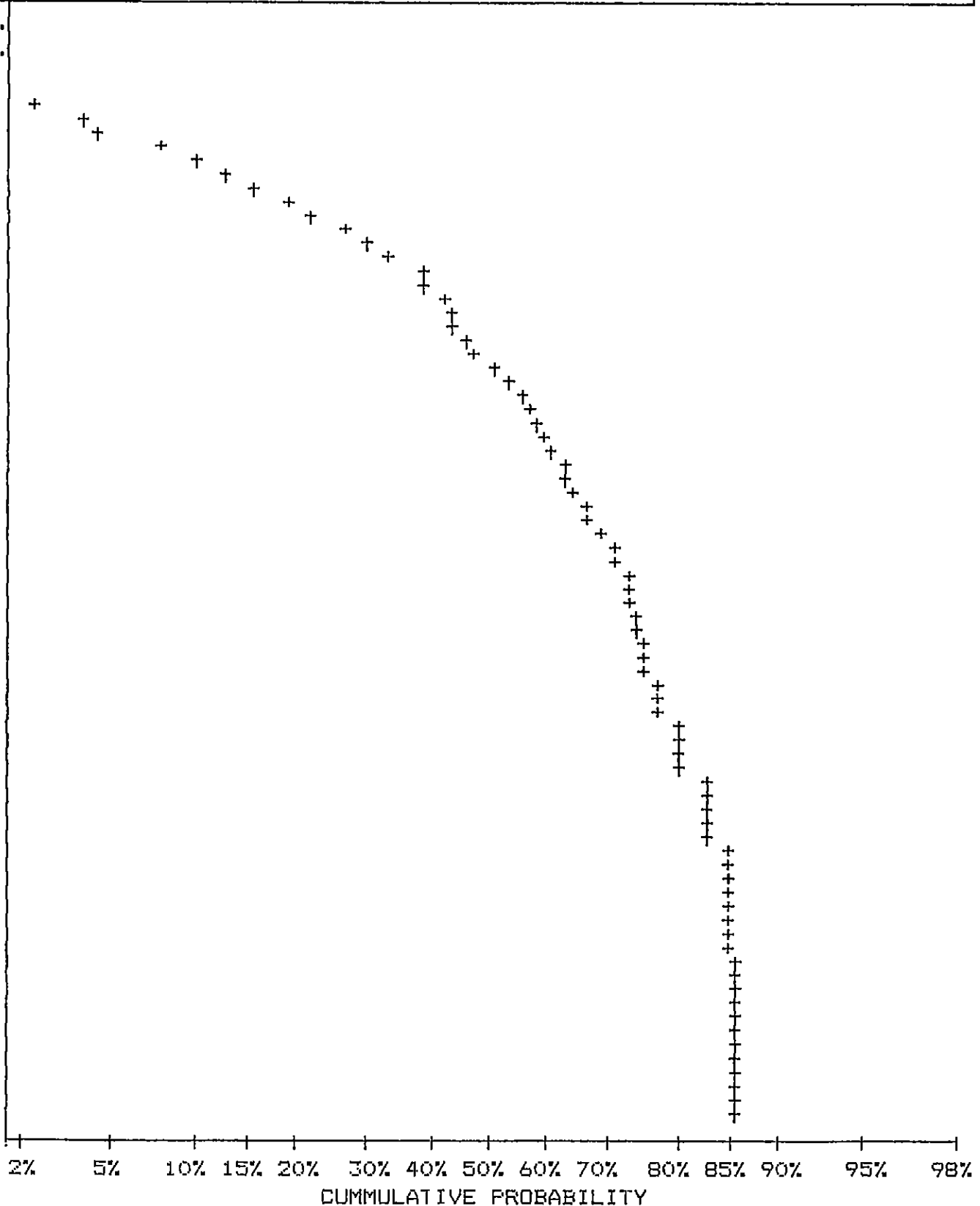
SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
57.75	2.32
51.75	4.63
46.38	10.04
41.56	16.22
37.25	22.39
33.38	30.12
29.91	39.38
26.81	42.86
24.02	44.79
21.53	48.65
19.29	54.44
17.29	58.69
15.50	60.62
13.89	63.71
12.45	64.86
11.15	66.80
10.00	71.43
8.96	73.36
8.03	73.36
7.19	74.13
6.45	75.68
5.78	77.99
5.18	77.99
4.64	80.69
4.16	80.69
3.73	83.01
3.34	83.01
2.99	85.71
2.68	85.71
2.40	85.71
2.15	85.71
1.93	86.10
1.73	86.10
1.55	86.10
1.39	86.10
1.25	86.10
1.12	86.10
1.00	98.07



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604) 980-5814 OR (604) 988-4524

STATISTICAL SUMMARY ON CU

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

SAMPLE TYPE: SOIL

PROJECT: 8BBC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

NUMBER OF SAMPLES: 259
MAXIMUM VALUE: 241.0 PPM
MINIMUM VALUE: 8.0 PPM
MEAN: 60.0 PPM
STD. DEVIATION: 49.7 PPM
COEFF. OF VARIATION: 0.8

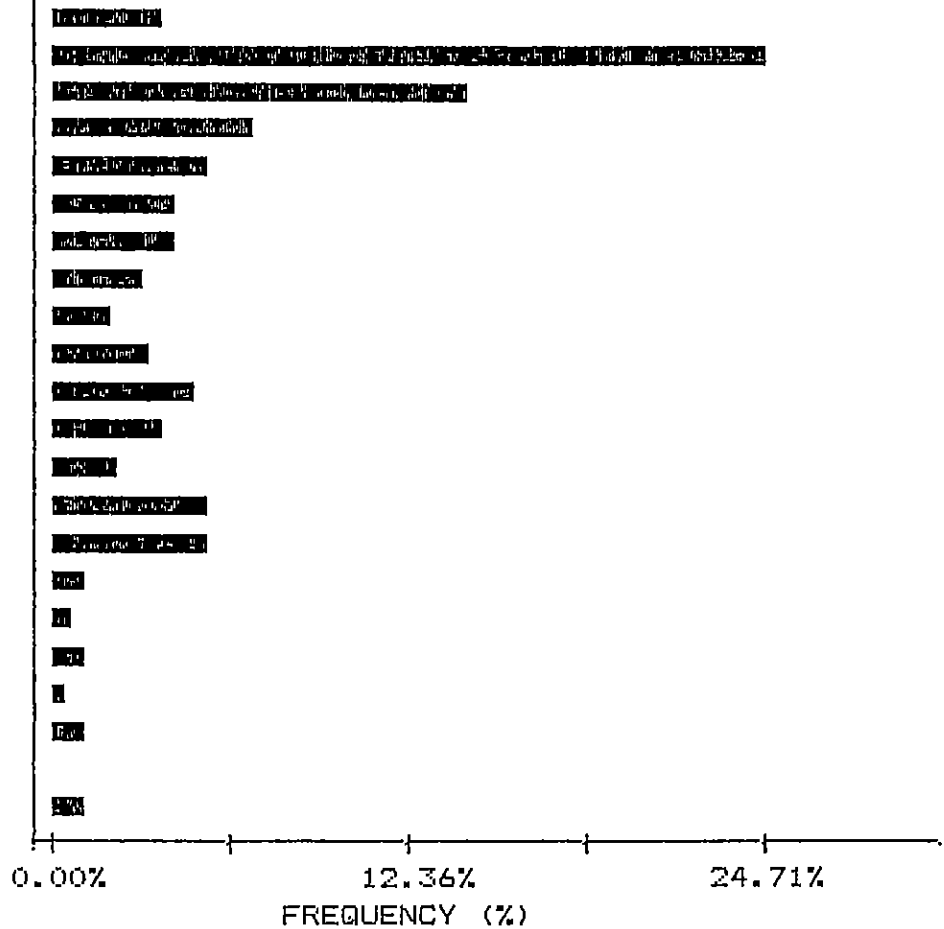
5 HIGHEST CU VALUES:
L125E 175S 241.0 PPM
L100E 125S 215.0 PPM
L100E 100S 210.0 PPM
L050E 075S 193.0 PPM
L200E 250S 182.0 PPM

HISTOGRAM FOR CU

CLASS INTERVAL = 9.10

MID CLASS PPM	CLASS %
------------------	------------

<	11.00	3.86
	15.55	24.71
	24.65	14.29
	33.75	6.95
	42.85	5.41
	51.95	4.25
	61.05	4.25
	70.15	3.09
	79.25	1.93
	88.35	3.47
	97.45	5.02
	106.55	3.86
	115.65	2.32
	124.75	5.41
	133.85	5.41
	142.95	1.16
	152.05	0.77
	161.15	1.16
	170.25	0.39
	179.35	1.16
	188.45	0.00
>	193.00	1.16



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CU

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

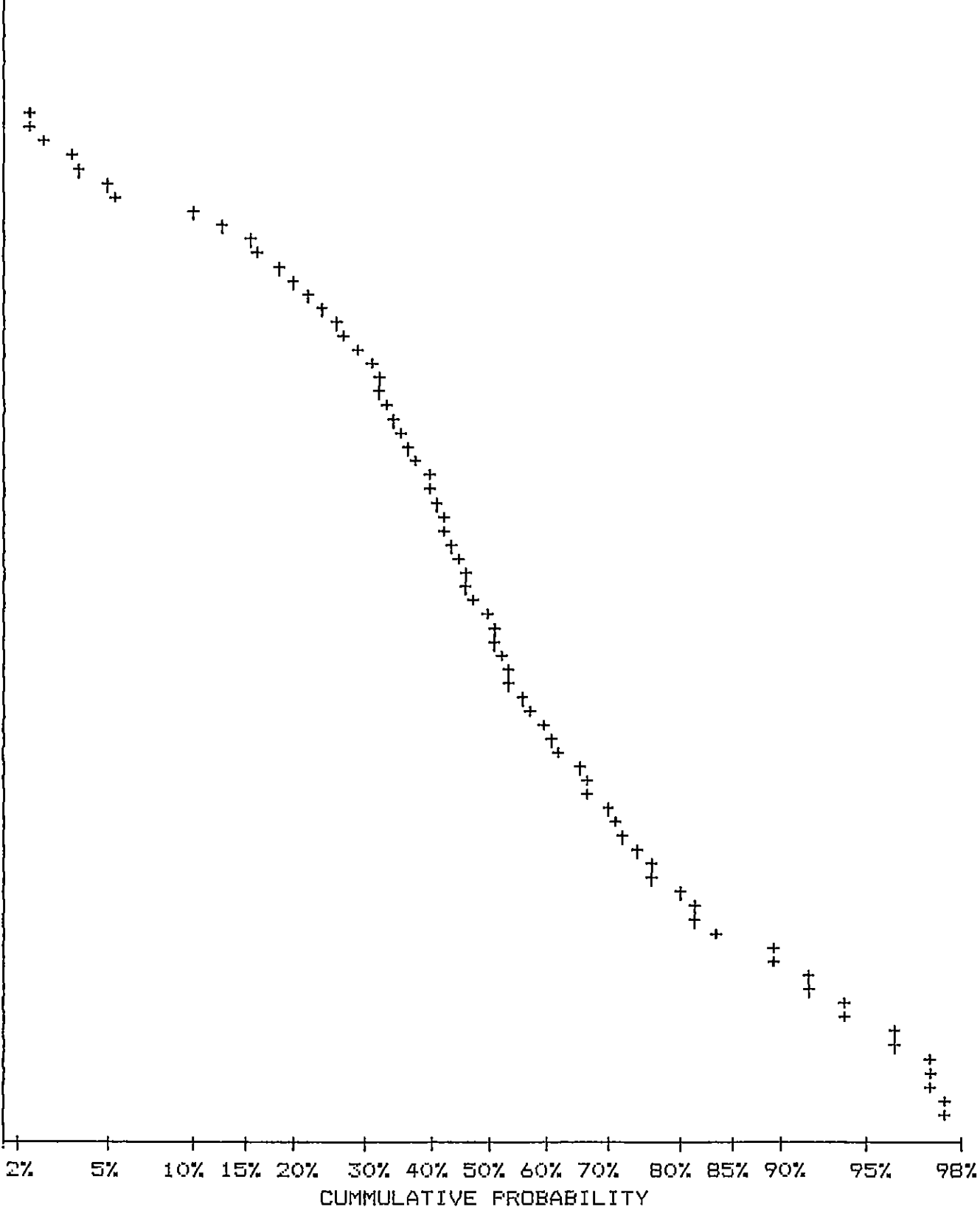
SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
184.98	1.16
169.93	2.32
156.10	3.86
143.39	5.02
131.72	10.42
121.00	15.83
111.16	18.92
102.11	22.78
93.80	26.64
86.17	29.34
79.15	32.43
72.71	34.36
66.79	36.29
61.36	37.84
56.36	40.54
51.78	42.86
47.56	44.79
43.69	46.33
40.14	48.26
36.87	51.35
33.87	53.67
31.11	54.83
28.58	57.92
26.25	61.78
24.12	66.02
22.16	67.57
20.35	71.43
18.70	74.52
17.17	76.83
15.78	81.47
14.49	84.17
13.31	89.58
12.23	91.89
11.23	93.82
10.32	96.14
9.48	97.30
8.71	97.68
8.00	98.07



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON PB

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

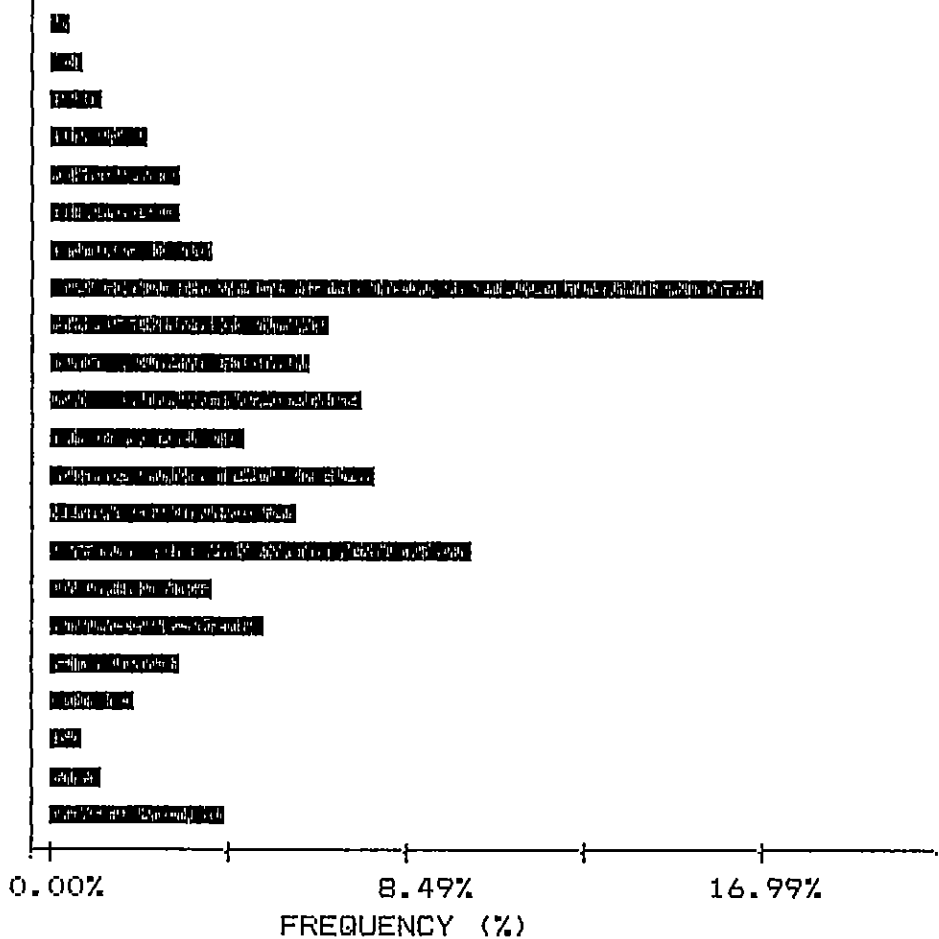
NUMBER OF SAMPLES: 259
MAXIMUM VALUE: 695.0 PPM
MINIMUM VALUE: 9.0 PPM
MEAN: 23.8 PPM
STD. DEVIATION: 42.4 PPM
COEFF. OF VARIATION: 1.8

5 HIGHEST PB VALUES:
L000 0005 695.0 PPM
L100E 025S 57.0 PPM
L000 150S 40M 51.0 PPM
L050E 025N 46.0 PPM
L000 025S 43.0 PPM

HISTOGRAM FOR PB CLASS INTERVAL = 1.15

MID CLASS PPM	CLASS %
---------------	---------

< 9.00	0.39
9.57	0.77
10.72	1.16
11.87	2.32
13.02	3.09
14.17	3.09
15.32	3.86
16.47	16.99
17.62	6.56
18.77	6.18
19.92	7.34
21.07	4.63
22.22	7.72
23.37	5.79
24.52	10.04
25.67	3.86
26.82	5.02
27.97	3.09
29.12	1.93
30.27	0.77
31.42	1.16
> 32.00	4.25



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON PB

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

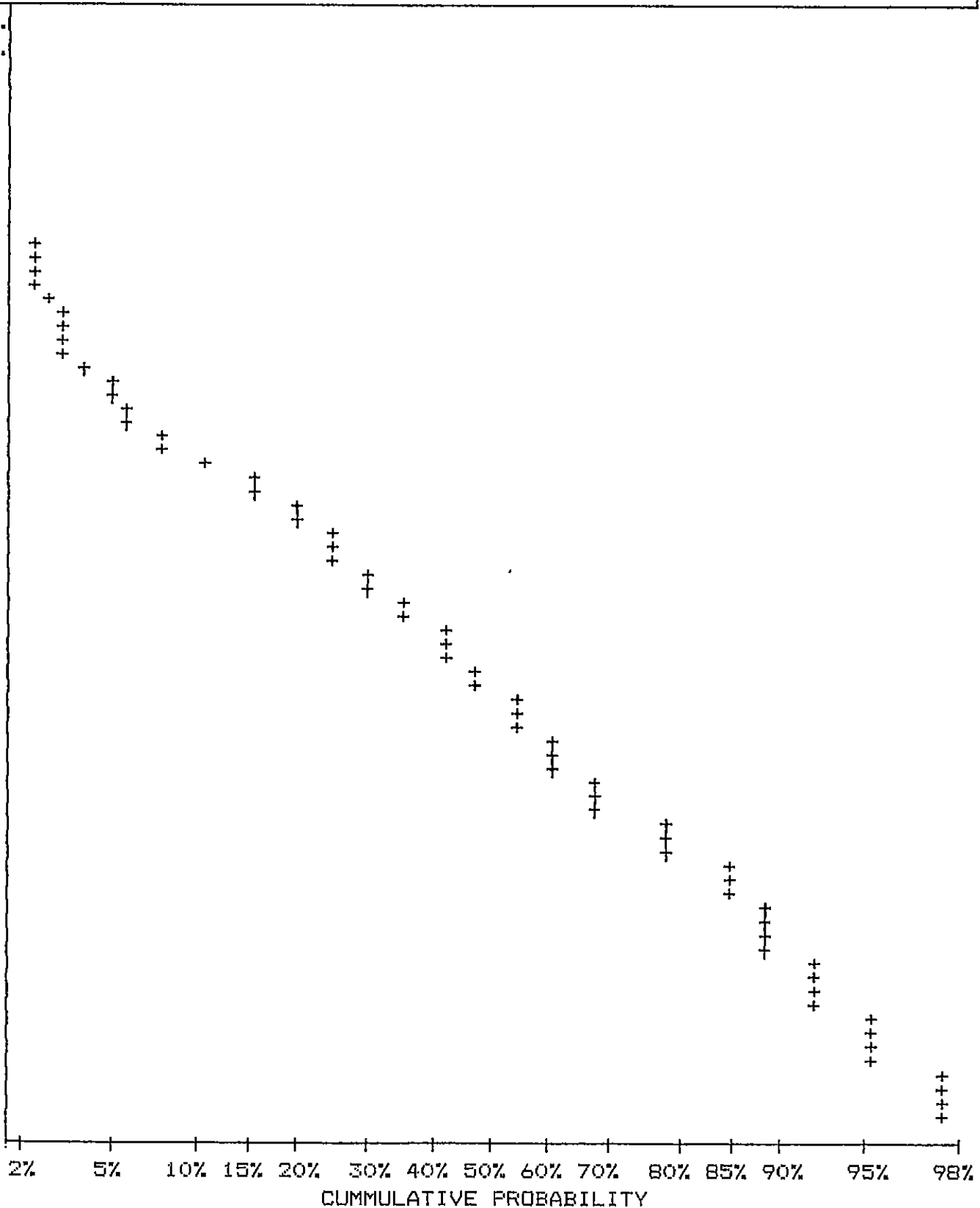
SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
45.13	1.16
43.44	1.16
41.82	1.54
40.25	1.93
38.74	1.93
37.29	2.32
35.90	2.32
34.55	3.09
33.26	3.47
32.01	3.47
30.82	5.41
29.66	6.18
28.55	8.11
27.48	11.20
26.45	16.22
25.46	20.08
24.51	25.87
23.59	30.12
22.71	35.91
21.86	43.63
21.04	43.63
20.25	48.26
19.50	55.60
18.77	61.78
18.06	61.78
17.39	68.34
16.74	78.38
16.11	78.38
15.51	85.33
14.93	89.19
14.37	89.19
13.83	92.28
13.31	92.28
12.81	95.37
12.33	95.37
11.87	97.68
11.43	97.68
11.00	98.07



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SB

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

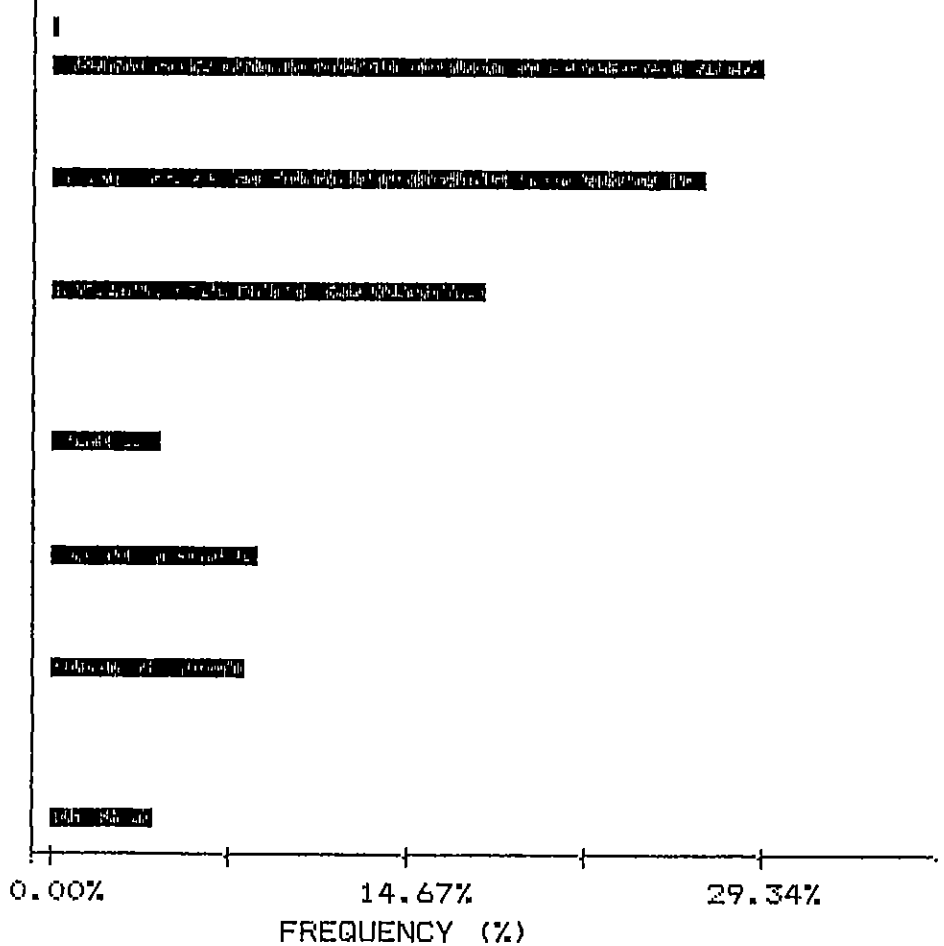
NUMBER OF SAMPLES: 259
 MAXIMUM VALUE: 76.0 PPM
 MINIMUM VALUE: 1.0 PPM
 MEAN: 3.1 PPM
 STD. DEVIATION: 4.9 PPM
 COEFF. OF VARIATION: 1.6

5 HIGHEST SB VALUES:
 L000 000S 76.0 PPM
 L125E 125S 8.0 PPM
 L075E 100N 7.0 PPM
 L125E 100S 7.0 PPM
 L125E 150S 7.0 PPM

HISTOGRAM FOR SB CLASS INTERVAL = 0.30

MID CLASS	CLASS
PPM	%

<	1.00	0.39
	1.15	29.34
	1.45	0.00
	1.75	0.00
	2.05	27.03
	2.35	0.00
	2.65	0.00
	2.95	17.76
	3.25	0.00
	3.55	0.00
	3.85	0.00
	4.15	4.63
	4.45	0.00
	4.75	0.00
	5.05	8.49
	5.35	0.00
	5.65	0.00
	5.95	8.11
	6.25	0.00
	6.55	0.00
	6.85	0.00
>	7.00	4.25



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

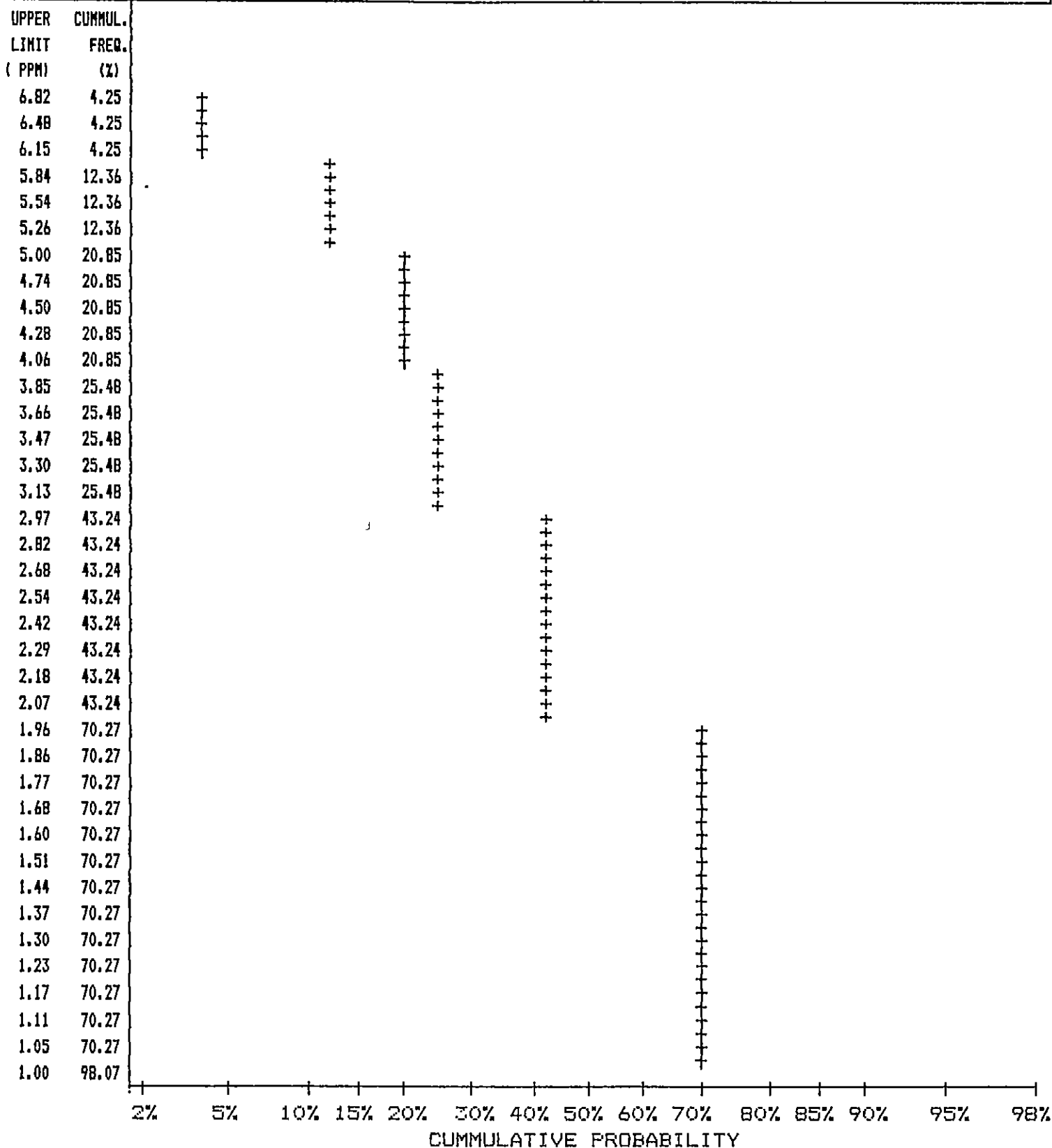
775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SB

COMPANY: HI-TEC RESOURCE MANAGEMENT
 ATTN: P. SORBARA
 PROJECT: 88EC006
 FILE#: B-527

DATE: AUGUST 9, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604) 980-5814 DR (604) 988-4524

STATISTICAL SUMMARY ON ZN

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

NUMBER OF SAMPLES: 359
 MAXIMUM VALUE: 1207.0 PPM
 MINIMUM VALUE: 66.0 PPM
 MEAN: 274.8 PPM
 STD. DEVIATION: 184.7 PPM
 COEFF. OF VARIATION: 0.7

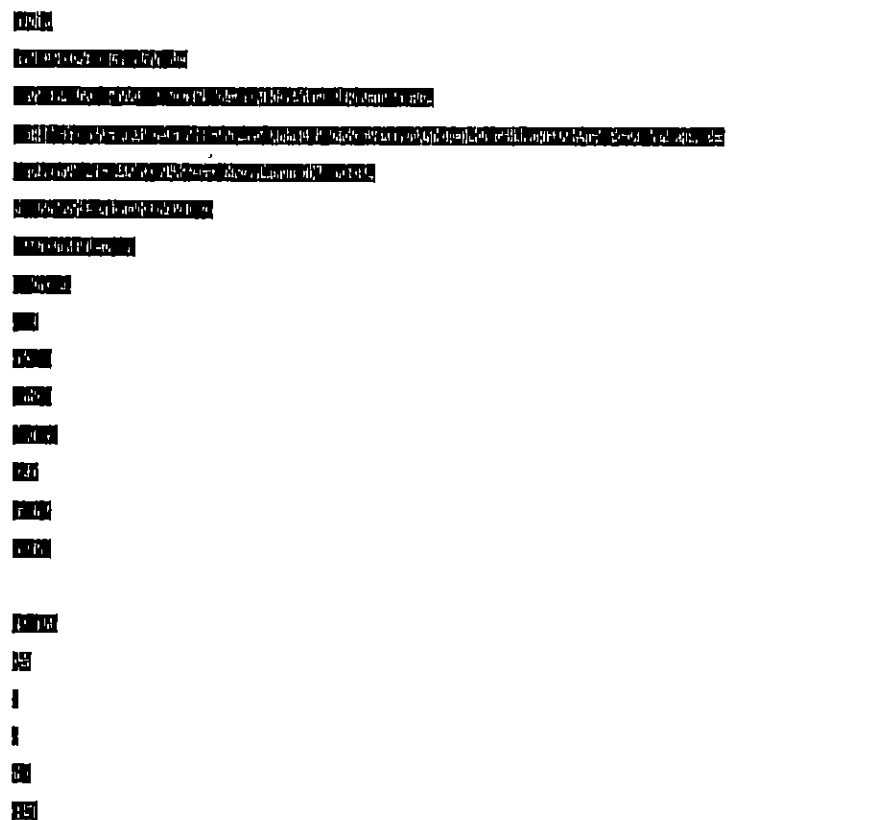
5 HIGHEST ZN VALUES:
 L050W 250N 1207.0 PPM
 L025 200N 1020.0 PPM
 L150W 200S 947.0 PPM
 L100W 175S 907.0 PPM
 L000 150S 40M 897.0 PPM

HISTOGRAM FOR ZN

CLASS INTERVAL = 40.70

MID CLASS	CLASS
PPM	%

<	93.00	1.54
	113.35	6.95
	154.05	16.99
	194.75	28.57
	235.45	14.67
	276.15	8.11
	316.85	5.02
	357.55	2.32
	398.25	1.16
	438.95	1.54
	479.65	1.54
	520.35	1.93
	561.05	1.16
	601.75	1.54
	642.45	1.54
	683.15	0.00
	723.85	1.93
	764.55	0.77
	805.25	0.39
	845.95	0.39
	886.65	0.77
>	907.00	1.16



0.00%

14.29%

28.57%

FREQUENCY (%)

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7N 1T2

TELEX: USA 760167 PHONE: (604) 980-5814 OR (604) 988-4524

CUMMULATIVE PROBABILITY PLOT ON ZN

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

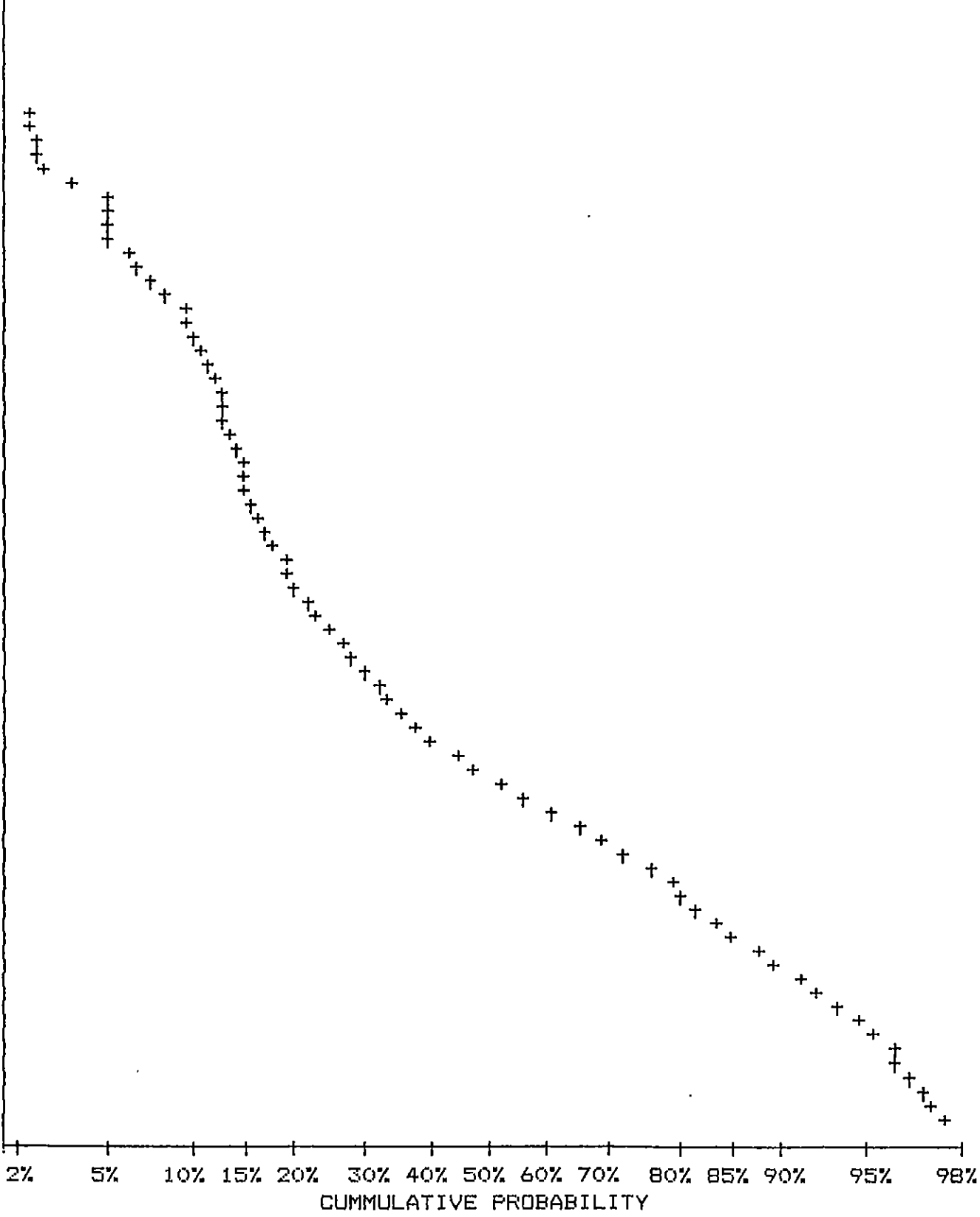
SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
880.37	1.54
829.42	2.32
781.42	2.70
736.20	3.86
693.60	5.41
653.46	5.41
615.64	6.95
580.02	8.49
546.45	9.65
514.83	10.81
485.04	12.36
456.97	13.51
430.52	13.90
405.61	15.06
382.14	15.44
360.02	16.99
339.19	18.15
319.56	19.31
301.07	22.78
283.64	25.48
267.23	28.19
251.76	32.43
237.20	35.91
223.47	40.93
210.54	48.26
198.35	57.14
186.87	66.41
176.06	72.59
165.87	79.15
156.27	81.85
147.23	85.71
138.71	89.96
130.68	92.28
123.12	94.59
115.99	96.14
109.28	96.53
102.96	97.30
97.00	98.07



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AU

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

NUMBER OF SAMPLES: 259
MAXIMUM VALUE: 413.0 PPB
MINIMUM VALUE: 1.0 PPB
MEAN: 4.8 PPB
STD. DEVIATION: 26.8 PPB
COEFF. OF VARIATION: 5.6

5 HIGHEST AU VALUES:
L000 000S 413.0 PPB
L075W 200N 110.0 PPB
L050E 100S 56.0 PPB
L075W 225N 31.0 PPB
L075W 050S 28.0 PPB

HISTOGRAM FOR AU

CLASS INTERVAL = 0.45

MID CLASS	CLASS
PPB	%

<	1.00	0.39
	1.22	47.88
	1.67	0.00
	2.12	23.94
	2.57	0.00
	3.02	11.58
	3.47	0.00
	3.92	5.02
	4.37	0.00
	4.82	4.25
	5.27	0.00
	5.72	0.00
	6.17	1.93
	6.62	0.00
	7.07	0.77
	7.52	0.00
	7.97	0.00
	8.42	0.00
	8.87	0.39
	9.32	0.00
	9.77	0.00
>	10.00	3.86

0.00%

23.94%

47.88%

FREQUENCY (%)

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AU

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: F. SORBARA

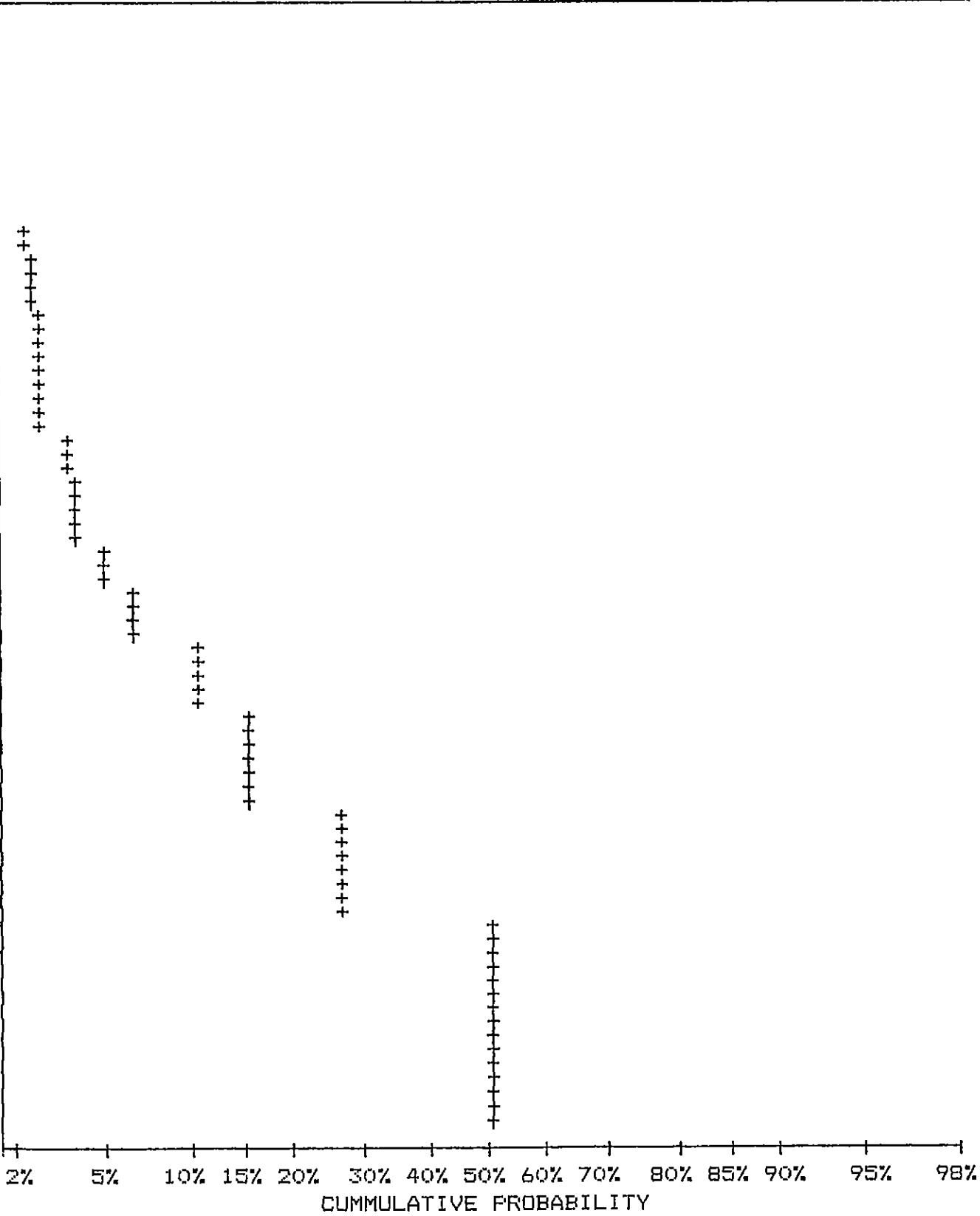
SAMPLE TYPE: SOIL

PROJECT: 8BBC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

UPPER LIMIT (PPB)	CUMMUL. FREQ. (%)
29.61	1.16
27.02	1.54
24.66	1.93
22.50	1.93
20.53	1.93
18.73	2.32
17.09	2.70
15.60	2.70
14.23	3.09
12.99	3.09
11.85	3.09
10.81	3.09
9.87	3.86
9.00	3.86
8.22	4.25
7.50	4.25
6.84	5.02
6.24	5.02
5.70	6.95
5.20	6.95
4.74	11.20
4.33	11.20
3.95	16.22
3.60	16.22
3.29	16.22
3.00	16.22
2.74	27.80
2.50	27.80
2.28	27.80
2.08	27.80
1.90	51.74
1.73	51.74
1.58	51.74
1.44	51.74
1.32	51.74
1.20	51.74
1.10	51.74
1.00	98.07



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CORRELATION COEFFICIENTS

COMPANY: HI-TEC RESOURCE MANAGEMENT

DATE: AUGUST 9, 1988

ATTN: P. SORBARA

SAMPLE TYPE: SOIL

PROJECT: 88BC006

ANALYSIS TYPE: GEOCHEM

FILE#: 8-527

THE TABLE BELOW REPRESENTS THE PEARSON CORRELATION MATRIX SHOWING THE INTER-ELEMENT CORRELATION COEFFICIENTS. THOSE VALUES THAT EXCEED THEIR CRITICAL VALUE FOR .01 LEVEL OF SIGNIFICANCE ARE SHOWN IN DARKER PRINT AND UNDERLINED.

	AG	AS	CU	PB	SB	ZN	AU
AG	1.00	0.00	0.04	<u>0.98</u>	<u>0.91</u>	<u>0.15</u>	<u>0.94</u>
AS		1.00	<u>0.34</u>	0.03	0.11	-0.02	-0.00
CU			1.00	0.07	<u>0.25</u>	<u>0.15</u>	0.04
PB				1.00	<u>0.92</u>	0.13	<u>0.94</u>
SB					1.00	0.01	<u>0.88</u>
ZN						1.00	0.08
AU							1.00

APPENDIX VI

Instrument Specifications



EM16 SPECIFICATIONS

MEASURED QUANTITY	Inphase and quad-phase components of vertical magnetic field as a percentage of horizontal primary field. (i.e. tangent of the tilt angle and ellipticity).
SENSITIVITY	Inphase: $\pm 150\%$ Quad-phase: $\pm 40\%$
RESOLUTION	$\pm 1\%$
OUTPUT	Nulling by audio tone. Inphase indication from mechanical inclinometer and quad-phase from a graduated dial.
OPERATING FREQUENCY	15-25 kHz VLF Radio Band. Station selection done by means of plug-in units.
OPERATOR CONTROLS	ON/OFF switch, battery test push button, station selector switch, audio volume control, quadrature dial, inclinometer.
POWER SUPPLY	6 disposable 'AA' cells.
DIMENSIONS	42 x 14 x 9cm
WEIGHT	Instrument: 1.6 kg Shipping: 5.5 kg

APPENDIX VII

VLF-EM Raw Data



VERA Report

Geonics EM-16

Transmitter: Cutler 17.8 khz

STATION	QUAD	DIP		COR. DIP
L 1425W	///	///		
2+50N	-11	-15		
2+25N	-9	-10	-25	
2+00N	-2	2	-8	27
1+75N	-1	0	2	2
1+50N	-1	-6	-6	-19
1+25N	3	-11	-17	-21
1+00N	4	-16	-27	-29
0+75N	6	-30	-46	-34
0+50N	11	-31	-61	-25
0+25N	13	-40	-71	-36
B.L.	16	-57	-97	-70
0+25S	10	-84	-141	-75
0+50S	0	-108	-192	-13
0+75S	-4	-46	-154	109
1+00S	3	-37	-83	73
1+25S	10	-45	-81	-10
1+50S	5	-58	-103	20
1+75S	-3	-3	-61	116
2+00S	-2	16	13	88
2+25S	4	11	27	10
2+50S	8	12	23	
L 1400W	///	///		
2+50N	-9	-16		
2+25N	-10	-11	-27	
2+00N	-2	-4	-15	27
1+75N	0	4	0	19
1+50N	0	0	4	-9
1+25N	-1	-9	-9	-27
1+00N	2	-14	-23	-27
0+75N	4	-22	-36	-20
0+50N	12	-31	-53	-38
0+25N	11	-43	-74	-46
B.L.	14	-53	-96	-44
0+25S	11	-65	-118	-43
0+50S	8	-74	-139	-32
0+75S	-3	-76	-150	30
1+00S	1	-33	-109	86
1+25S	12	-31	-64	31

STATION	QUAD	DIP		COR. DIP
1+50S	10	-47		
1+75S	-3	-32	-79	48
2+00S	-10	2	-30	88
2+25S	2	7	9	47
2+50S	4	10	17	
L 0+75W	///	///		
2+50N	-7	-26		
2+25N	-7	-6	-32	
2+00N	-7	-10	-16	21
1+75N	0	-1	-11	18
1+50N	-4	3	2	6
1+25N	-2	-8	-5	-22
1+00N	0	-12	-20	-28
0+75N	3	-21	-33	-24
0+50N	8	-23	-44	-38
0+25N	11	-48	-71	-50
B.L.	12	-46	-94	-27
0+25S	14	-52	-98	-26
0+50S	8	-68	-120	-28
0+75S	1	-58	-126	28
1+00S	1	-34	-92	70
1+25S	10	-22	-56	25
1+50S	10	-45	-67	-38
1+75S	-4	-49	-94	9
2+00S	-9	-9	-58	80
2+25S	-4	-5	-14	67
2+50S	3	14	9	
L 0+50W	///	///		
2+50N	9	-60		
2+25N	4	-7	-67	
2+00N	-6	-15	-22	-30
1+75N	-8	-22	-37	-22
1+50N	-6	-22	-44	37
1+25N	-2	-5	-27	28
1+00N	0	-11	-16	-3
0+75N	4	-19	-30	-29
0+50N	8	-16	-45	-15
0+25N	12	-29	-55	-18

STATION	QUAD	DIP		COR. DIP
B.L.	15	-34		
0+25S	12	-48	-82	-41
0+50S	10	-56	-104	-31
0+75S	1	-57	-113	14
1+00S	1	-33	-90	56
1+25S	10	-24	-57	16
1+50S	12	-50	-74	-36
1+75S	8	-43	-93	21
2+00S	-7	-10	-53	75
2+25S	-3	-8	-18	57
2+50S	2	12	4	
L 0+25W	///	///		
2+50N	6	-40		
2+25N	6	-60	-100	
2+00N	0	-23	-83	8
1+75N	-8	-19	-92	42
1+50N	-7	-22	-41	62
1+25N	0	-8	-30	25
1+00N	-1	-8	-16	11
0+75N	2	-11	-19	-10
0+50N	7	-15	-26	-20
0+25N	11	-24	-39	-32
B.L.	13	-34	-58	-37
0+25S	11	-42	-76	-25
0+50S	2	-41	-83	2
0+75S	-2	-33	-74	18
1+00S	-2	-32	-65	11
1+25S	11	-31	-63	-6
1+50S	3	-40	-71	-3
1+75S	-1	-26	-66	49
2+00S	-2	4	-22	63
2+25S	0	-7	-3	24
2+50S	1	9	2	

VERA Report

Transmitter: Cutler 17.8 khz

Geonics EM-16

STATION	QUAD	DIP		COR. DIP
L0100	///	///		
2150N	4	-39	-80	
2125N	7	-41	-82	10
2100N	2	-41	-70	41
1175N	-7	-29	-41	51
1150N	-4	-12	-19	26
1125N	-5	-7	-15	7
H00N	-2	-8	-12	0
0175N	5	-4	-15	-21
0150N	9	-11	-33	-41
0125N	12	-22	-56	-41
B.L.	13	-34	-74	-24
0100N	10	-40	-80	-1
0175S	1	-40	-75	15
0150S	-3	-35	-65	19
H00S	-2	-30	-56	12
1125S	11	-26	-53	5
1150S	0	-27	-51	31
1175S	-3	-24	-22	46
2100S	-1	2	-5	17
2125S	1	-7	-5	
2150S	4	2		
L0125E				
2150N	2	-26	-58	
2125N	5	-32	-70	-14
2100N	11	-38	-72	14
1175N	4	-34	-56	48
1150N	3	-22	-24	46
1125N	0	-2	-10	17
H00N	1	-8	-7	7
0175N	6	1	-3	-8
0150N	8	-4	-15	-39
0125N	13	-11	-42	-50
B.L.	14	-31	-65	-24
0125S	8	-34	-66	1
0150S	0	-32	-64	18
0175S	-2	-32	-48	19
1100S	5	-16	-45	-13
1125S	9	-29	-61	-7

STATION	QUAD	DIP		COR. DIP
H50S	7	-32	-52	33
H75S	-4	-20	-28	37
2100S	-2	-8	-15	23
2125S	3	-7	-5	
2150S	3	2		
L0150E	///	///		
2150N	2	-27	-58	
2125N	6	-31	-66	-21
2100N	9	-35	-79	-3
1175N	10	-44	-69	52
1150N	4	-25	-27	63
1125N	3	-2	-6	24
H00N	4	-4	-3	20
0175N	6	1	14	14
0150N	10	13	11	-30
0125N	15	-2	-16	-52
B.L.	15	-14	-41	-41
0125S	12	-27	-57	-20
0150S	4	-30	-61	3
0175S	3	-31	-54	25
H00S	1	-23	-36	14
1125S	8	-13	-40	4
1150S	-1	-27	-32	36
1175S	7	-5	-14	2
2100S	4	-9	-30	-3
2125S	4	-21	-17	
2150S	1	4		
L0175E	///	///		
2150N	4	-30	-56	
2125N	3	-26	-59	-13
2100N	8	-33	-69	1
1175N	9	-36	-58	43
1150N	4	-22	-26	54
1125N	4	-4	-4	27
H00N	6	0	1	13
0175N	6	1	9	12
0150N	11	8	13	-10
0125N	12	5	-1	-39

STATION	QUAD	DIP		COR. DIP
B.L.	14	-6	-26	-51
0125S	11	-20	-52	-34
0150S	6	-32	-60	-1
0175S	2	-28	-53	24
H00S	2	-25	-36	29
1125S	5	-11	-24	18
1150S	5	-13	-18	5
1175S	9	-5	-19	-19
2100S	6	-14	-37	4
2125S	8	-23	-15	
2150S	0	8		
L1100E	///	///		
2150N	9	-26	-49	
2125N	2	-23	-48	-3
2100N	2	-25	-52	3
1175N	4	-27	-45	14
1150N	5	-18	-38	27
1125N	-1	-20	-18	42
H00N	6	2	4	23
0175N	8	2	5	2
0150N	8	3	6	0
0125N	12	3	5	-13
B.L.	14	2	-7	-30
0125S	13	-9	-25	-57
0150S	9	-26	-64	-38
0175S	2	-38	-63	20
H00S	4	-25	-44	33
1125S	1	-19	-30	28
1150S	3	-11	-16	11
1175S	7	-5	-19	-10
2100S	5	-14	-26	11
2125S	6	-12	-8	
2150S	0	4		

APPENDIX VIII
Statement of Costs



STATEMENT OF COSTS

CANOVA RESOURCES LTD.
VERA PROPERTY
PROJECT 88BC006

PHASE I: Work Period May 5-13, 1988

Salaries

A. Smallwood, prospector		
7 days @ \$250/day	\$ 1,750.00	
M. Carson, technician		
7 days @ \$175/day	<u>1,225.00</u>	
		\$ 2,975.00

Expenses

Mobilization/Demobilization		1,400.00
Project Preparation		1,395.00
Domicile 14 days @ \$75/man/day		1,050.00
Truck Rental and Fuel 7 days @ \$125/day		875.00
Geophysical Rental		
7 days @ \$30/day		210.00
Geochemistry		
259 soil preparations @ \$1.00/sample	\$ 259.00	
11 assay preparations @ \$3.75/sample	41.25	
270 analyses - Au fire, 6 element		
trace ICP @ \$12.25/sample	3,307.50	
259 Stat. package @ \$.25/sample	<u>64.75</u>	
		3,672.50
Field Supplies		570.34
Accounting, Freight, Communications		295.03
Data Compilation and Drafting		1,000.00
15% Project Management Fee		<u>1,233.43</u>
		\$14,676.30



STATEMENT OF COSTS

CANOVA RESOURCES LTD
VERA PROPERTY
88BC0006

PHASE II: Work Period June 18 - June 24, 1988

Salaries

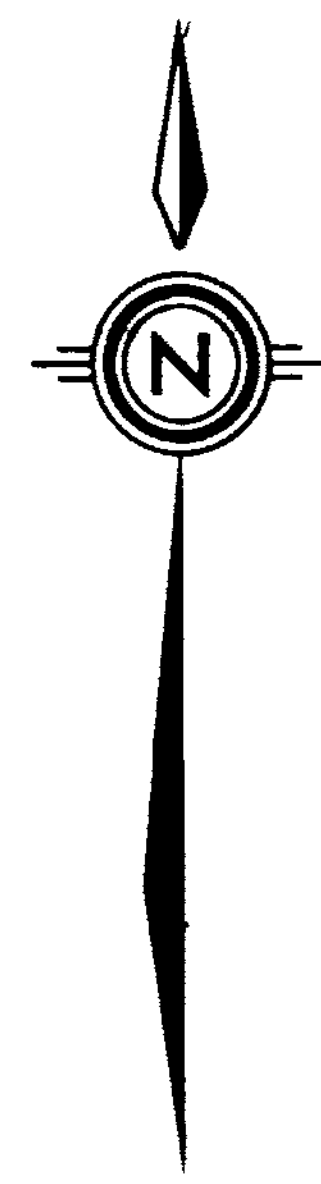
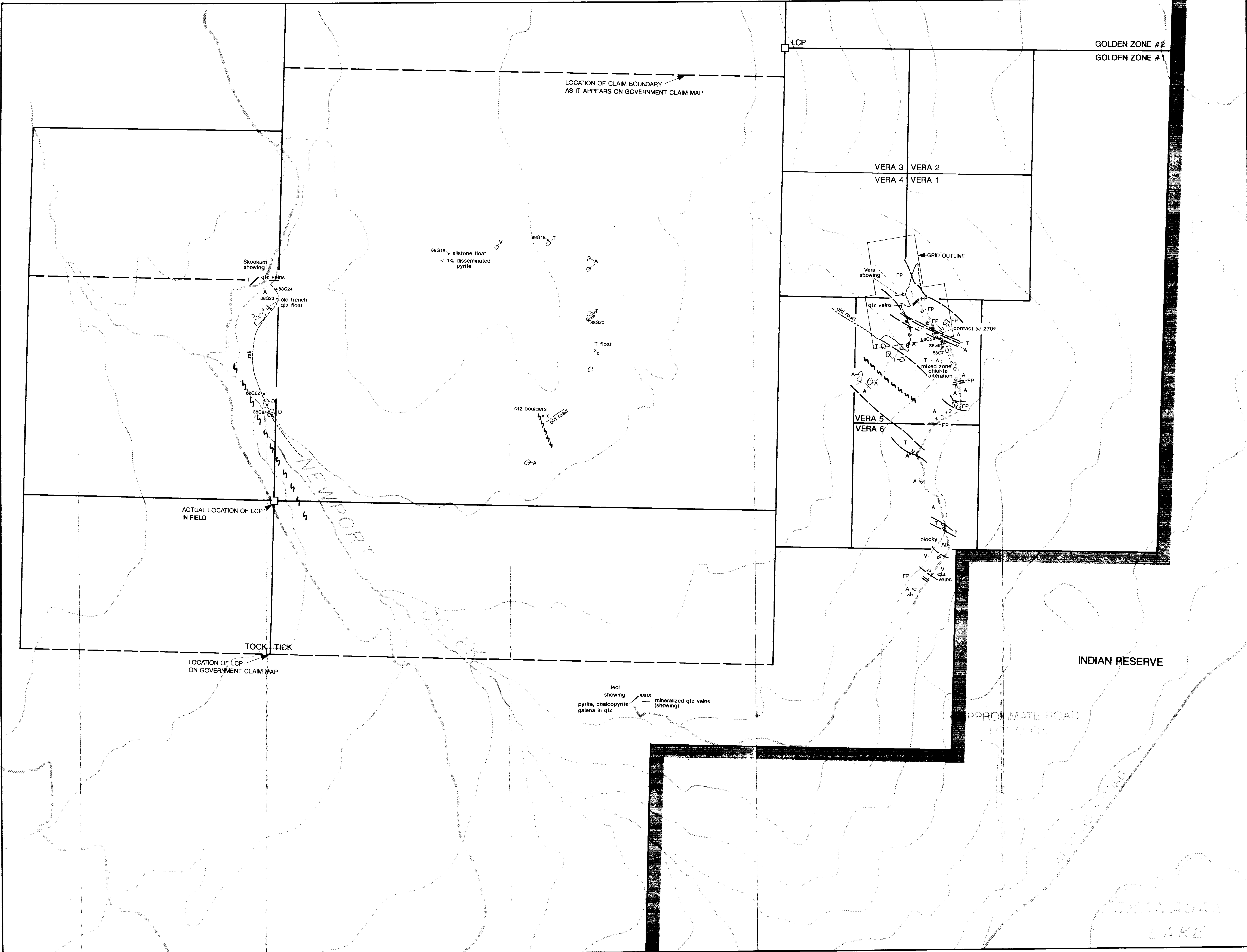
H. Grond, Geologist
7 days @ \$325/day \$ 2,275.00
D. Montgomery, Prospector
7 days @ \$250/day 1,750.00

\$ 4,025.00

Expenses

Mobilization/Demobilization 1,275.00
Project Preparation 1,350.00
Domicile 14 man days @ \$75/man/day 1,050.00
Truck Rental and Fuel 7 days @ \$125/day 875.00
Geochemistry
17 rock preparations @ \$3.00/sample \$ 51.00
17 analyses - gold fire, 6 element
trace ICP @ \$12.25/sample 208.25
259.25
Field Supplies 322.01
Accounting, Frieght, Communicaitons 325.00
Report Compilation and Drafting 5,000.00
15% Project Management Fee 1,236.56
\$15,717.82





LEGEND

- D Diorite
- FP Feldspar Porphyry Dyke
- V Andesite
- Ab Blocky Argillite
- A Argillite
- T Tuff
- Road
- - - Track (not drivable)
- Geological contact assumed (dashed line)
- Geological contact observed (solid line)
- + attitude
- outcrop
- x float
- ↗ fault
- ↔ adit
- 88G7 rock sample location (not on grid)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,664



17,664

CANOVA RESOURCES LTD

VERA PROPERTY
VERNON M.D.

PROPERTY GEOLOGY MAP
and
ROCK SAMPLE LOCATIONS

	SCALE: 1:5,000	N.T.S.: 82L/GW	FIGURE No.:
	DWN. BY: H.V.	DATE: July/88	4
CHKD. BY: H. Grond	PROJECT No.:	FILE No.:	
	88BC 006		