LOG NO: April 23/91 RD.
ACTION:

FILE NO:

Assessment Report
on
1990 Soil Geochemistry, Max-Min Geophysics and Magnetometery
of the
Bev Group
near Barriere, B.C.

Kamloops Mining Division

NTS 92P/8E

Latitude 51° 19'N Longitude 120° 03'W

Owner and Operator:

Minnova, Inc.
3rd Floor - 311 Water Street
Vancouver, B.C.
V6B-1B8

C.J. Clayton
April, 1991

SUMMARY

The Bev Group consists of 5 contiguous MGS claims located in the Kamloops Mining Division (NTS 92P/8E) approximately 12 km northeast of Barriere, B.C.

The claims are directly underlain by massive and pillowed basaltic flows of the Permian upper Fennell Formation intruded by diabase dykes and sills. Regionally, both upper and lower Fennell Formation stratigraphies are present, separated by a major west-dipping thrust fault extending northerly near the eastern claim boundary.

Soil geochemistry failed to indicate any significant geochemical trends in the area covered by grid. HLEM response was poor, with two weak linear conductors found in the eastern portion of the grid. The magnetometer survey revealed 3 moderate magnetic anomalies and 4 weak anomalies.

TABLE OF CONTENTS

		Page:
SUMMARY		i
1.0	INTRODUCTION	1
	1.1 General	1
	1.2 Property Location and Access	1
	1.3 Topography, Vegetation and Climate	1
	1.4 Property and Ownership	2
	1.5 Property History	2
	1.6 Summary of Assessment Work, October, 1989	3
2.0	GEOLOGY	3
	2.1 Regional Geology	3
	2.2 Property Geology	3
3.0	SOIL GEOCHEMISTRY	4
4.0	GEOPHYSICS	6
	4.1 Max-Min Survey	6
	4.2 Magnetometer Survey	7
5.0	CONCLUSIONS AND RECOMMENDATIONS	8
6.0	REFERENCES	10

LIST OF FIGURES

		After Page:
Figure 1:	Bev Group Location and Claim Configuration	1
Figure 2:	Bev Group Geology and 1990 Grid Area	3
		Map Pocket
Figure 3:	Soil Geochemistry Sample Locations	1
Figure 4:	Soil Geochemistry - Cu, Pb, Zn	1
Figure 5:	Soil Geochemistry - Ag, Au, Ba, As	2
Figure 6:	HLEM Survey - 444 Hz	2
Figure 7:	HLEM Survey - 1777 Hz	3
Figure 8:	Magnetometer Survey	3

LIST OF TABLES

		Page:
Table I:	Summary of Claim Status	2
Table II:	Soil Geochemistry Summary Statistics	6

TABLE OF CONTENTS

LIST OF APPENDICES

Appendix I : Statement of Costs
Appendix II : Statement of Qualifications
Appendix III: Analytical Certificates - Soil Sampling
Appendix IV : Soil Sampling Statistics

1.0 INTRODUCTION

1.1 General

This report describes the results of soil sampling, Max-Min geophysics, and magnetometery carried out on the Bev Group (Bev 1 through 5 claims) between June 1 and July 31, 1990. The aim of this program was to assess the potential of the Bev claims for base and precious metals. Twenty rock samples and 637 soil samples were collected along 17.3 km of cut grid. Max-Min and magnetometer geophysics were carried out along the grid lines. Samples were analyzed for major and trace elements at Min-En Laboratories of North Vancouver.

This report will cover only results of soil sampling and geophysics and will not detail geochemical results of rock samples.

1.2 Property Location and Access

The Bev property is situated within the Kamloops Mining Division at Latitude 51° 19' North, and Longitude 120° 03' West on NTS Map Sheet 92P/8E (Figure 1). This is approximately 12 km northeast of the town of Barriere, B.C. Access to the claims can be gained via the Dunn Lake and Cold (Newhykulston) Creek logging roads from the north and the East Barriere Lake and Leonie Creek logging roads from the south.

1.3 Topography, Vegetation, and Climate

The Bev claims lie in an area of moderate relief at the headwaters of Willow and Skowootum Creeks. They are situated on a south facing slope between 1200m and 1500m in elevation. Vegetation in the area consists of mature stands of medium quality Lodgepole pine and Douglas fir. Portions of the southern claim area have been reforested within the last 60 years. These areas are covered with a thick second growth of spruce, pine, and

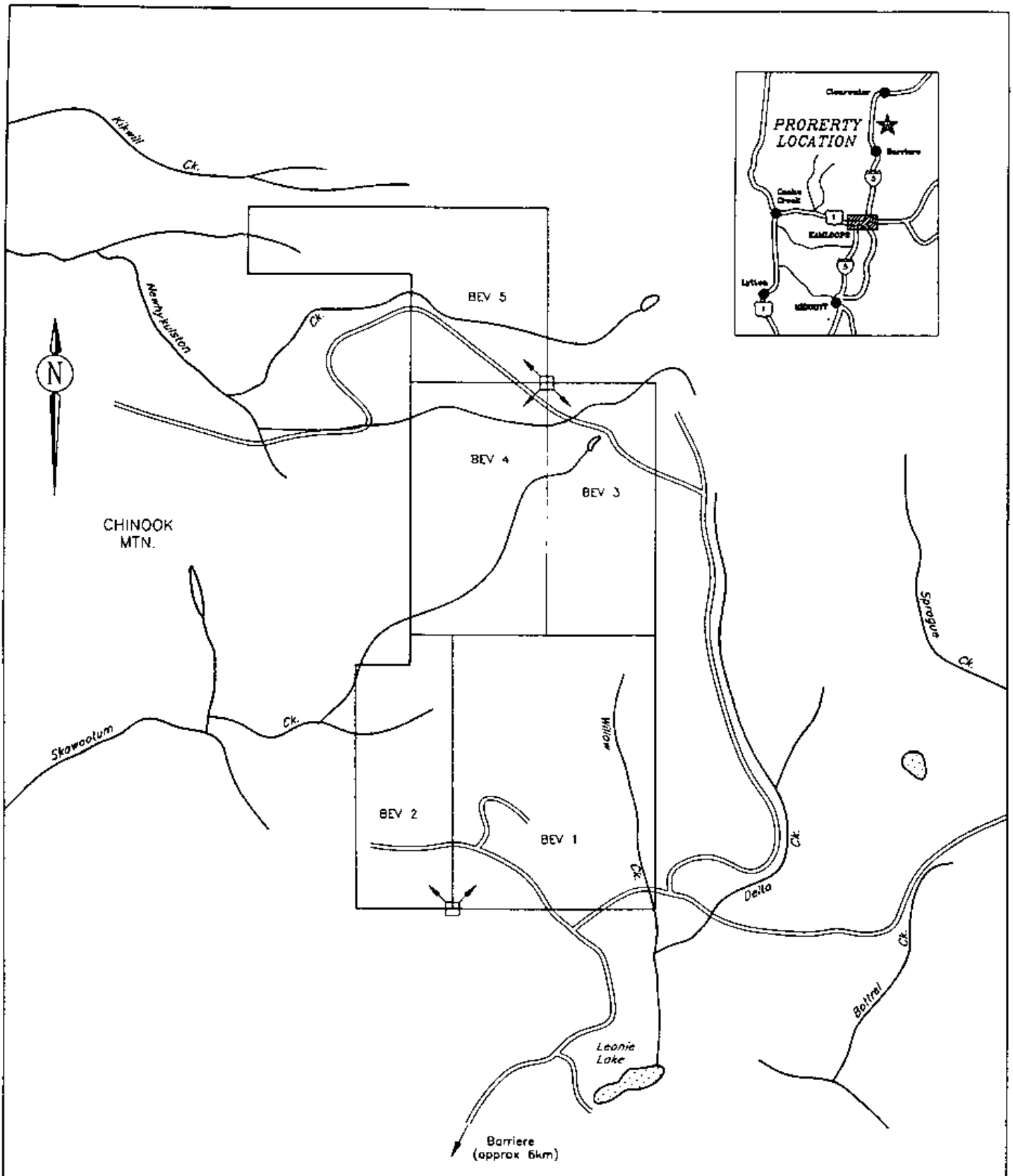


FIGURE 1

BEV GROUP
LOCATION &
CLAIM CONFIGURATION

CJC/sg JANUARY 1991

MINNOVA Inc.

FILE: BEVGEO.DWG

fir.

Climate is moderate to extreme with temperatures ranging from -30° C in the winter to +35° C in the summer. Precipitation is limited in the summer months and thus drainages tend to be dry. Winter snow packs typically average 2m at higher elevations.

1.4 Property and Ownership

The Bev Group of claims is wholly owned and operated by Minnova, Inc. The property consists of five contiguous MGS mineral claims totalling 73 units in area. Claim configuration is shown in Figure 1 and claim data is summarized in Table 1 below.

TABLE I: SUMMARY OF CLAIM STATUS - BEV GROUP

CLAIM NAME	RECORD #	UNITS	EXPIRY DATE	GROUP
Bev 1	8385	20	03/18/93*	Bev
Bev 2	8386	10	03/18/93*	Bev
Bev 3	9112	10	01/15/93*	Bev
Bev 4	9113	15	01/15/93*	Bev
Bev 5	9114	18	01/15/93*	Bev
	TOTAL	**73 UNITS**		

* Assuming acceptance of this report.

1.5 Property History

Prior to Minnova's 1989 exploration no work has been documented on the property. In 1989 Minnova carried out reconnaissance geological mapping and sampling on the Bev 1 and 2 claims. Results of this work are reported by Clayton (1990). The Bev 3, 4, and 5 claims were staked in January of 1990 extending the property boundaries northward to cover airborne geophysical targets generated by a regional Dighem survey in the fall of 1989.

1.6 Summary of 1990 Assessment Work

Geochemistry	-	637 grid soil samples along 17.3 line km of cut grid analyzed for Ag, As, Ba, Cu, Pb, Sb, Zn, and Au.
Geophysics	-	15.2 line km of Max-Min geophysics and magnetometer along cut grid.

Geochemical sample locations and anomalous results are plotted on Figures 3, 4, and 5. Analytical certificates are contained in Appendix III. Geophysical results are plotted on Figures 6, 7, and 8.

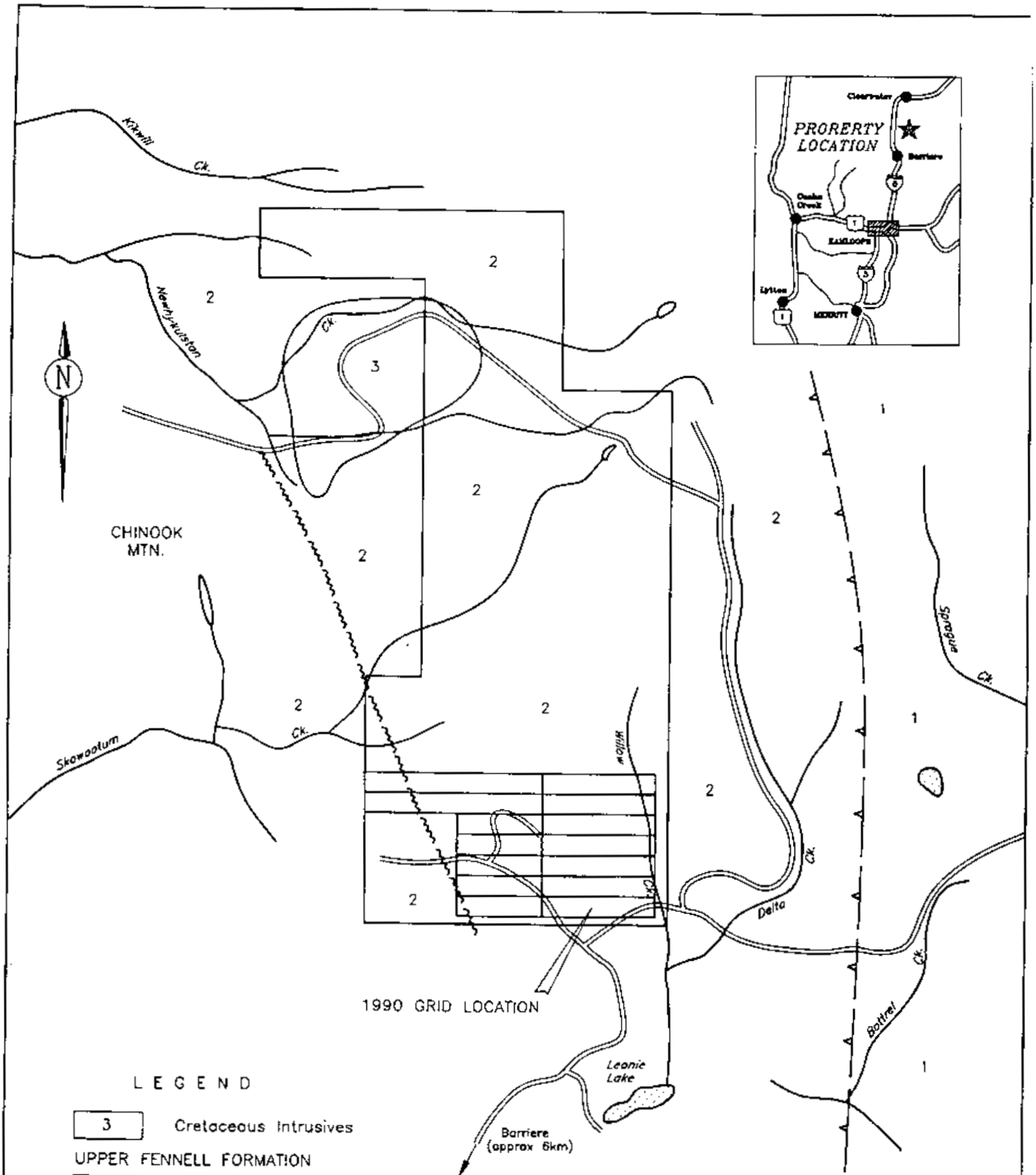
2.0 GEOLOGY

2.1 Regional Geology

The immediate area is underlain by rocks of the Mississippian to Permian Fennell Fm (Figure 2). Two litho-structural packages make up the Fennell Fm, referred to as the upper and lower divisions (Schiarizza and Preto, 1987). The lower division which forms a north-south trending belt to the east of the Bev claims consists of a complex sequence of pillow basalt, massive basalt, clastic metasediments, ribbon cherts, quartz-feldspar phyric rhyolite and intraformational conglomerate.

The upper division which underlies the claim area consists predominantly of pillowed to massive basalt flows, diabase sills, argillite and rare chert.

A major west-dipping thrust fault is inferred to separate the upper and lower divisions of the Fennell Fm. This is based on conodont ages determined from chert beds in both divisions. The fault extends northerly near the eastern claim boundary of the Bev 1 claim and may continue across the Bev 3, 4, and 5 claims.



LEGEND

3	Cretaceous Intrusives
	UPPER FENNELL FORMATION
2	Basalt Flows--Pillows, Pillow Breccias, Diorite Sills, Argillite, Rare Chert
	LOWER FENNELL FORMATION
1	Basalt-Massive, Pillowed; Metasediments, Chert, Quartz-Feldspar Phyric Rhyolite, Intraformational Conglomerate

0 1000 2000m

BEV GROUP GEOLOGY & 1990 GRID LOCATION

MINNOVA Inc.

FILE: BEVGEO.DWG

CJC/sg FIGURE 2 JANUARY 1991

Deformation in the Fennell Formation is generally not intense. Units have been rotated into a vertically dipping west facing homocline that is interpreted to be the western limb of a thrust-dismembered anticline. There is little evidence for mesoscopic folding and penetrative fabrics are mostly absent. Late, north trending (Tertiary ?) normal faults associated with the Louis Creek Fault appear to cause some thickening of the Upper Fennell Fm. to the north and west of the claims.

Lower greenschist facies metamorphic grade is prevalent but many primary features and textures have been preserved in both volcanic and sedimentary units.

2.2 Property Geology

The Bev Group is underlain by massive and pillowed basaltic flows of the upper structural division of the Fennell Formation. Minor banded chert and diabase sills are also noted.

The 1990 grid is underlain by variolitic to brecciated pillow basalts of the Upper Fennell Formation. Narrow (<1m) lenses of banded chert were noted in the sequence, however these appear to be discontinuous. Diabase dykes and sills geochemically similar to the basaltic flows are interpreted to be cogenetic.

3.0 SOIL GEOCHEMISTRY

A 17.3 line kilometre grid was established over the southern part of the property. Grid lines were oriented east-west at 200 metre spacings, with grid stations every 25 metres. A total of 637 soil samples were taken from the grid area. Sample locations are plotted at a scale of 1:2500 on Figure 3. Analytical results for Cu, Pb, and Zn are plotted on Figure 4. Results for Ag, Au, Ba, and As are plotted on Figure 5. Antimony results were not

plotted as all but one sample showed only detection limits (1 ppm Sb). The one sample, #0GBVS059, analysed 806 ppm Sb.

In all cases an attempt was made to sample well developed 'B' horizon soil. Sample depths ranged from 5 cm to 25 cm averaging approximately 10 cm. Samples collected were placed in Kraft sample bags and allowed to dry before shipping. Sampling personnel were instructed to note soil parameters such as sample depth, soil colour, soil moisture content, soil texture, and slope direction.

Soil samples were sent to Min-En Labs of North Vancouver and analyzed by ICP methods using aqua regia digestion. The samples were analyzed for Ag, As, Ba, Cu, Pb, Sb, and Zn. Gold was determined by atomic absorption.

Copies of original analytical certificates are contained in Appendix III. Table II on the following page lists summary statistics for each element.

Statistical analysis was done using the ProbPlot statistical program. Histograms and statistical results for the elements are contained in Appendix IV.

Results showed only background variations. Although threshold values have been assigned to each element, Figures 4 and 5 have no interpretation applied. An anomalous response is defined as two or more contiguous values above the statistical threshold and although several individual samples show elevated results, these are not considered anomalous by definition. No significant geochemical trends were discernible.

TABLE II: SOIL GEOCHEMISTRY SUMMARY STATISTICS

Variable	Ag		As		Cu	
	Arith	Geom	Arith	Geom	Arith	Geom
N=637						
Minimum	0.100	-1.0000	2.000	0.0000	5.000	0.6990
Maximum	2.400	0.3802	15.000	1.1761	331.000	2.5198
Mean	1.122	0.0121	5.136	0.0442	23.733	1.3182
Std.Dev.	0.414	0.2021	3.152	0.1748	19.180	0.1999
Threshold	1.950 ppm		8.493 ppm		68.095 ppm	

Variable	Sb		Zn		Pb	
	Arith	Geom	Arith	Geom	Arith	Geom
N=637						
Minimum	N/A		9.000	0.9542	1.000	0.0000
Maximum	N/A		188.000	2.2742	718.000	2.8561
Mean	N/A		41.892	1.5992	16.268	1.1516
Std.Dev.	N/A		14.770	0.1396	28.380	0.1923
Threshold	N/A		75.570 ppm		31.581 ppm	

Variable	Ba		Au	
	Arithmetic	Geometric	Arithmetic	Geometric
N=637				
Minimum	17.000	1.2304	5.000	0.6990
Maximum	167.000	2.2227	50.000	1.6990
Mean	61.414	1.7637	6.248	0.7595
Std.Dev.	21.940	0.1444	4.193	0.1463
Threshold	112.853 ppm		10.000 ppb	

4.0 GEOPHYSICS

A total of 15.2 line km of grid were surveyed using Max-Min and magnetometer geophysics. The survey was not fully completed as active logging in the area destroyed a portion of the grid.

4.1 Max-Min Survey

Results of the Max-Min survey are plotted on Figure 6 and 7 at a scale of 1:2500. The survey was conducted by Scott Geophysics of Vancouver, B.C. Instrumentation used was the HLEM Apex Parametrics Horizontal Loop Max-Min II system. A coil

separation of 150 metres was used, and measurements of the in-phase and quadrature components of the induced field were taken every 12.5 metres. Two frequencies were measured: 444 Hz and 1777 Hz. Data was entered into Noranda NORPLOT software, converted to PGW format and downloaded to a drawing file.

The 444 Hz frequency showed little variation of the quadrature component which remained negative throughout. In the southeast corner of the grid both frequencies registered two weak linear conductors, labelled **A** and **B** in Figures 6 and 7. These have parallel axes trending in a north-south direction and are strongest on line 1000N around 2600E. These are approximately coincident with linear magnetic anomalies **F** and **G** shown on Figure 8. Conductive response is still observed on line 1400N, although weak. Geology of this area consists of pillow basalt flows intruded in places by mafic dykes containing pyrite.

A single anomaly occurs on line 2200N at 2600E and is labelled **C** on Figures 6 and 7. This zone has no lateral strike extent, but again has a roughly coincident magnetic anomaly associated with it (magnetic anomaly **D** on Figure 8). Geology of this area is unknown from lack of outcrop exposure.

4.2 Magnetometer Survey

Results of the magnetometer survey are plotted at a scale of 1:2500 on Figure 8. The survey was conducted by Laura Prentice of Minnova, Inc using a microprocessor controlled EDA PPM 350 Field Magnetometer with a PPM 375 Base Magnetometer rented from Scott Geophysics of Vancouver, B.C. Diurnal variations were corrected automatically. Readings were taken every 25 metres along east-west oriented grid lines. Data was downloaded to a computer using PROCOMM communications.

The survey was successful at locating 3 moderate linear anomalies (labelled **A**, **B**, and **C** on Figure 8) and 4 weaker anomalies (labelled **D**, **E**, **F**, and **G** on Figure 8). These may be caused by diabase dykes and sills, however poor outcrop exposure in the area precludes any direct observation of their source. The 4 weaker anomalies have coincident HLEM anomalies as discussed in the previous section. The 3 stronger anomalies have no associated EM response. All 7 anomalies trend in a north-south direction.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Soil sampling of the Bev Group failed to define any strongly anomalous zones. Results showed only variations in background concentrations of trace elements. Only one sample showed a strong multi-elemental response with 12 ppm As, 718 ppm Pb, and 806 ppm Sb. This sample was taken near swampy ground. Several other point anomalies occur throughout the grid area but there appears to be no repetition of anomalous results to adjacent samples or adjacent lines.

Max-Min geophysics did not define any strongly conductive zones within the area of grid coverage. This may be a result of improper grid orientation and poor coupling. Two weak linear anomalies having coincident magnetometer anomalies were located in the southeast corner of the grid trending in a north-south direction.

The magnetometer survey successfully located several north trending, linear magnetic anomalies at the southeast corner of the grid. It is recommended that detailed grid coverage be established over the best anomalies followed by detailed geophysical surveys, soil geochemistry, and rock geochemistry and geological mapping. These surveys will further delimit the

extent of these anomalies. A PEM survey may be useful in distinguishing between anomalies due to intrusive sources and those resulting from stratigraphic sources.

6.0 REFERENCES

Best, Myron G. Igneous and Metamorphic Petrology, W.H. Freeman and Company, New York, 1982; pp. 612-615.

Clayton, C.J. **Assessment Report on the 1989 Geological Mapping and Lithogeochemical Sampling Program; Bev 1 and 2 Claims,** unpublished assessment report for Minnova, Inc, 1989.

Schiarizza, P. and V.A. Preto Geology of the Adams Plateau-Clearwater-Vavenby Area, Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Geological Survey Branch, Paper 1987-2, 1987.

APPENDIX I

STATEMENT OF COSTS

STATEMENT OF COSTS
BEV GROUP

GEOCHEMISTRY

Soil Samples	
637 @ $ 11.50/sample	$7,325
Labour:	
Duncan Johanessen - 6 days @ $110	$660
Mary McDowell - 5 days @ $110	$550
Gord Attwood - 5 days @ $110	$550
Freight	$300
Equipment (Sample Bags, flagging etc.)	$150

GEOPHYSICS

Magnetometer Rental (Scott Geophysics Ltd.)	$400
Labour:	
Laura Prentice - 4 days @ $110	$440

LOGISTICS

Room and Board 25 days @ $35	$875
Vehicle	$600
Field Expenses (travel etc.)	$300

REPORT PREPARATION

C.J. Clayton 4 days @ $250	$1,000
Drafting	
S. Gokool - 3 days @ $150	$450

SUB-TOTAL	$13,600
PAC	$1,000
TOTAL	$14,600

APPENDIX II

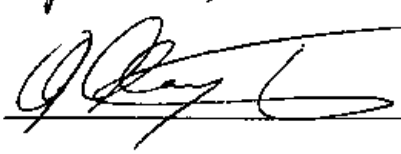
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Cameron J. Clayton of 2882 Masefield Road, North Vancouver, B.C. do hereby certify that:

1. I am a graduate of Queens University, Kingston, Ontario with a B.Sc in Geological Engineering.
2. I have practised my profession for four years.
3. I am a contract geologist currently employed by Minnova Inc.
4. I have personally reviewed all analytical and geophysical results presented in this report.

Date: April 11, 1991

Signature: 

APPENDIX III

ANALYTICAL CERTIFICATES - SOIL SAMPLING

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0784-SJ1+2
DATE: 90/07/10
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OJBVS093	.3	1	42	12	19	1	43	5
OJBVS094	.8	1	51	18	18	1	33	5
OJBVS095	1.2	1	67	22	16	1	45	5
OJBVS096	1.5	1	63	20	14	1	39	5
OJBVS097	.5	1	48	13	19	1	48	5
OJBVS098	.8	1	73	22	16	1	80	5
OJBVS099	.5	1	66	10	18	1	65	5
OJBVS100	.4	1	67	11	16	1	50	5
OJBVS101	1.4	1	68	17	15	1	48	10
OJBVS102	1.6	1	89	20	16	1	61	5
OJBVS103	.7	1	60	23	17	1	66	5
OJBVS104	.9	1	67	18	23	2	83	5
OJBVS105	.7	1	101	23	25	2	83	5
OJBVS106	1.8	1	70	35	14	1	52	5
OJBVS107	1.6	1	80	24	16	1	64	5
OJBVS108	2.1	1	72	32	18	1	49	10
OJBVS109	1.5	1	86	22	17	1	60	5
OJBVS110	.8	1	49	13	18	1	42	5
OJBVS111	1.3	1	60	17	13	1	56	5
OJBVS112	1.8	1	56	15	15	1	58	5
OJBVS113	2.4	1	47	19	9	1	47	5
OJBVS114	1.5	1	64	28	13	1	49	5
OJBVS115	1.2	1	107	24	17	1	75	5
OJBVS116	.4	1	77	16	17	1	48	5
OJBVS117	1.5	1	101	25	19	1	65	5
OJBVS118	1.4	1	60	15	17	1	47	5
OJBVS119	2.1	1	40	35	12	1	35	5
OJBVS120	1.7	1	47	32	15	1	44	5
OJBVS121	1.2	1	60	20	19	1	52	5
OJBVS122	1.7	1	52	20	14	1	30	5
OJBVS123	1.3	1	60	32	11	1	36	5
OJBVS124	1.1	1	59	13	12	1	38	5
OJBVS125	1.2	1	57	17	14	1	43	5
OJBVS126	1.5	1	44	22	11	1	40	5
OJBVS127	1.3	1	57	15	14	1	27	5
OJBVS128	1.3	1	45	15	14	1	37	10
OJBVS129	.9	1	60	14	16	1	30	10
OJBVS130	.8	1	73	14	14	1	34	5
OJBVS131	.5	1	65	13	14	1	56	5
OJBVS132	.6	1	42	14	16	1	34	5
OJBVS133	.6	1	68	14	12	1	60	5
OJBVS134	.6	1	48	16	16	1	64	10
OJBVS135	.3	1	78	14	19	1	68	5
OJBVS136	1.1	1	52	14	16	1	50	5
OJBVS137	1.0	1	94	34	15	1	58	5
OJBVS138	1.0	10	85	20	14	1	58	5
OJBVS139	1.6	1	146	35	15	1	52	5
OJBVS140	1.2	1	47	15	15	1	47	5
OJBVS141	1.6	2	96	33	12	1	39	10
OJBVS142	1.3	1	42	18	11	1	24	10
OJBVS143	1.3	1	64	17	17	1	34	5
OJBVS144	.8	1	57	13	13	1	49	5
OJBVS145	1.9	4	70	47	13	1	37	5
OJBVS146	1.5	4	147	29	18	1	40	5
OJBVS147	1.4	1	54	18	18	1	42	10
OJBVS148	.9	1	46	16	13	1	48	10
OJBVS149	1.5	1	55	20	14	1	45	15
OJBVS150	.9	1	86	21	14	1	65	5
OJBVS151	1.4	5	103	37	20	1	47	5
OJBVS152	1.0	1	58	34	16	1	36	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: OV-0784-SJ3+4
DATE: 90/07/09
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OJBVS153	.1	1	30	16	15	1	29	5
OGBVS086	1.5	1	49	37	18	1	39	5
OGBVS087	.9	1	40	15	12	1	27	5
OGBVS088	.9	1	43	17	15	1	28	10
OGBVS089	1.3	1	39	21	14	1	28	5
OGBVS090	1.4	1	45	17	12	1	27	5
OGBVS091	1.1	10	103	32	16	1	23	5
OGBVS092	1.1	1	38	13	12	1	13	10
OGBVS093	.5	1	31	12	15	1	36	5
OGBVS094	1.2	1	46	27	12	1	35	5
OGBVS095	.7	1	48	19	13	1	51	5
OGBVS096	.9	1	74	36	12	1	39	5
OGBVS097	1.0	1	40	29	14	1	42	5
OGBVS098	.8	1	43	12	16	1	45	5
OGBVS099	1.9	1	84	33	13	1	52	5
OGBVS100	.9	1	56	19	13	1	41	5
OGBVS101	.6	1	59	17	19	1	30	5
OGBVS102	1.1	1	58	28	14	1	48	5
OGBVS103	1.0	1	60	32	17	1	44	5
OGBVS104	1.3	1	72	25	19	1	47	5
OGBVS105	.6	1	60	17	16	1	38	10
OGBVS106	.8	1	75	16	15	1	58	5
OGBVS107	1.5	1	99	24	14	1	30	5
OGBVS108	1.3	1	56	24	17	1	37	5
OGBVS109	.5	1	64	17	17	1	41	5
OGBVS110	1.4	1	47	19	14	1	48	5
OGBVS111	.8	1	81	18	19	1	38	5
OGBVS112	.4	1	54	11	15	1	32	10
OGBVS113	.6	1	57	22	22	1	39	5
OGBVS114	.4	1	61	21	20	1	21	5
OGBVS115	.5	1	72	21	21	1	44	5
OGBVS116	.9	1	72	23	14	1	43	5
OGBVS117	1.2	1	70	17	16	1	58	5
OGBVS118	1.2	1	52	16	16	1	45	5
OGBVS119	1.1	1	68	51	20	1	40	5
OGBVS120	1.1	1	61	28	20	1	54	10
OGBVS121	1.0	1	76	17	22	1	40	5
OGBVS122	2.1	1	99	28	21	1	54	5
OGBVS123	.8	1	82	14	21	1	32	5
OGBVS124	1.0	5	120	15	24	1	66	5
OGBVS125	1.3	1	71	21	14	1	44	5
OGBVS126	1.3	1	43	22	14	1	31	5
OGBVS127	1.2	1	52	16	14	1	29	5
OGBVS128	.7	1	62	15	16	1	26	5
OGBVS129	1.3	3	57	18	18	1	24	10
OGBVS130	.8	1	64	18	15	1	49	5
OGBVS131	1.3	1	55	17	16	1	34	5
OGBVS132	1.2	4	74	20	19	1	40	5
OGBVS133	1.4	2	85	27	17	1	39	5
OGBVS134	1.3	3	101	22	19	1	26	5
OGBVS135	1.0	2	46	21	20	1	34	5
OPBVS001	.8	1	45	11	16	1	46	5
OPBVS002	1.6	4	54	23	17	1	52	5
OPBVS003	1.6	1	56	19	17	1	43	5
OPBVS004	1.7	1	56	18	14	1	52	5
OPBVS005	1.7	3	66	22	20	1	48	10
OPBVS006	1.5	1	61	28	23	1	35	5
OPBVS007	1.6	1	47	20	18	1	33	5
OPBVS008	.5	1	51	14	16	1	26	5
OPBVS009	1.0	1	46	15	18	1	29	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0784-SJ5+6
DATE: 90/07/09
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OPBVS010	1.4	1	61	23	23	1	30	5
OPBVS011	1.2	12	42	14	23	1	31	5
OPBVS012	.7	1	46	13	19	1	47	10
OPBVS013	.5	1	48	9	19	1	34	5
OPBVS014	.9	1	54	19	16	1	28	5
OPBVS015	1.1	1	154	61	26	1	48	5
OPBVS016	1.4	1	72	25	17	1	51	5
OPBVS017	1.0	1	66	19	17	1	54	5
OPBVS018	1.0	1	64	19	25	1	58	5
OPBVS019	.9	1	74	17	20	1	42	5
OPBVS020	.8	1	57	15	17	1	34	5
OPBVS021	.9	1	50	13	20	1	40	5
OPBVS022	1.0	1	48	15	18	1	31	5
OPBVS023	.6	1	45	13	13	1	33	5
OPBVS024	.6	1	76	14	19	1	44	10
OPBVS025	.9	1	92	23	20	1	48	5
OPBVS026	1.1	1	63	14	19	1	42	5
OPBVS027	1.2	1	57	12	20	1	42	5
OPBVS028	1.3	1	77	25	21	1	58	10
OPBVS029	1.6	1	63	21	14	1	32	5
OPBVS030	1.5	1	75	20	19	1	33	5
OPBVS031	1.1	7	97	22	24	1	102	5
OPBVS032	1.5	1	75	42	15	1	103	10
OPBVS033	1.9	1	42	106	19	1	102	5
OPBVS034	1.9	1	156	331	25	1	94	5
OPBVS035	1.0	1	66	20	22	1	71	5
OPBVS036	1.5	1	38	20	15	1	38	5
OPBVS037	1.2	5	39	10	17	1	36	5
OPBVS038	1.1	6	45	12	22	1	40	5
OPBVS039	1.4	2	51	18	16	1	57	5
OPBVS040	.5	1	125	34	29	1	57	5
OPBVS041	.5	1	67	19	30	1	56	5
OPBVS042	.4	1	120	7	30	1	49	5
OPBVS043	.5	1	62	12	27	1	41	5
OPBVS044	.7	1	52	13	30	1	26	5
OPBVS045	.4	1	39	8	28	1	36	5
OPBVS046	.5	1	52	15	29	1	40	5
OPBVS047	.1	1	36	9	26	1	33	5
OPBVS048	.6	1	52	17	28	1	48	5
OPBVS049	.8	1	66	25	27	1	61	5
OPBVS050	.5	1	54	11	31	1	53	10
OPBVS051	.6	1	58	13	32	1	46	15
OPBVS052	.9	1	51	12	27	1	38	5
OPBVS053	1.4	1	41	16	28	1	36	5
OPBVS054	1.5	1	44	15	26	1	34	5
OPBVS055	.7	1	33	13	28	1	30	5
OPBVS056	1.1	1	28	16	25	1	26	5
OPBVS057	1.1	1	36	10	28	1	40	5
OPBVS058	1.0	1	44	11	26	1	33	5
OPBVS059	.8	1	40	12	29	1	29	5
OPBVS060	1.2	1	56	21	30	1	45	5
OPBVS061	1.1	2	61	15	27	1	44	5
OPBVS062	1.1	1	38	13	29	1	41	5
OPBVS063	1.0	1	55	15	29	1	64	5
OPBVS064	.8	1	59	12	27	1	68	5
OPBVS065	1.1	1	79	15	29	1	75	10
OPBVS066	1.7	1	66	40	31	1	41	5
OPBVS067	1.0	1	62	19	33	1	61	5
OPBVS068	1.3	1	50	9	33	1	52	5
OPBVS069	1.7	1	57	28	31	1	49	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0784-SJ7+8
DATE: 90/07/10
* SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OPBVS070	1.1	1	67	24	18	1	60	5
OPBVS071	.6	1	62	14	17	1	70	5
OPBVS072	1.1	1	83	30	21	1	57	5
OPBVS073	.7	1	66	25	21	1	48	5
OPBVS074	.4	1	64	17	21	1	38	5
OPBVS075	.4	1	57	8	17	1	35	5
OPBVS076	.9	1	58	18	18	1	38	10
OPBVS077	.5	1	55	12	18	1	42	5
OPBVS078	.7	1	78	19	18	1	49	5
OPBVS079	.2	1	60	8	16	1	38	10
OPBVS080	1.1	2	48	11	20	1	44	5
OPBVS081	1.1	1	50	11	16	1	41	5
OPBVS082	1.4	1	47	14	18	1	23	5
OPBVS083	1.5	1	68	29	18	1	30	5
OPBVS084	1.7	1	41	17	19	1	30	5
OPBVS085	.8	1	44	8	15	1	34	5
OPBVS086	1.3	1	65	12	19	1	36	5
OPBVS087	.9	1	28	10	17	1	23	5
OPBVS088	1.1	1	88	24	17	1	39	5
OPBVS089	1.4	1	106	65	22	1	34	5
OPBVS090	1.2	5	95	45	25	1	40	5
OPBVS091	1.0	1	50	17	18	1	38	5
OPBVS092	1.0	1	42	12	15	1	37	5
OPBVS093	1.0	1	56	21	18	1	47	5
OPBVS094	1.0	1	62	30	18	1	33	5
OPBVS095	.9	1	80	57	21	1	52	5
OPBVS096	1.1	1	62	13	19	1	41	5
OPBVS097	1.1	1	71	18	20	1	49	10
OPBVS098	.7	1	92	14	18	1	59	5
OPBVS099	.7	1	76	15	22	1	44	5
OPBVS100	.9	1	87	18	10	1	46	5
OPBVS101	.4	1	53	18	6	1	34	10
OPBVS102	.2	1	90	14	5	1	50	5
OPBVS103	.1	1	31	9	3	1	18	5
OPBVS104	.3	1	44	14	2	1	28	5
OPBVS105	1.1	1	53	24	4	1	39	5
OPBVS106	1.2	1	58	18	3	1	54	10
OPBVS107	.9	2	57	18	6	1	68	5
OPBVS108	2.1	15	53	68	4	1	67	10
OPBVS109	1.1	2	52	16	4	1	62	5
OPBVS110	1.6	1	64	25	2	1	52	5
OPBVS111	1.1	1	49	23	3	1	53	5
OPBVS112	1.8	1	41	45	1	1	28	10
OPBVS113	1.7	4	43	29	5	1	40	5
OPBVS114	1.5	1	50	25	4	1	38	5
OPBVS115	1.9	5	47	39	10	1	41	5
OPBVS116	1.8	6	58	28	5	1	32	5
OPBVS117	1.4	2	61	32	7	1	72	5
OPBVS118	1.8	1	50	27	5	1	51	5
OPBVS119	1.1	1	45	24	6	1	39	5
OPBVS120	1.3	5	44	32	11	1	40	10
OPBVS121	1.9	1	73	31	1	1	46	5
OPBVS122	1.0	5	52	17	6	1	35	5
OPBVS123	1.4	12	59	19	5	1	32	5
OPBVS124	1.7	6	49	18	6	1	43	5
OPBVS125	1.2	5	60	17	9	1	39	5
OPBVS126	1.5	6	47	18	7	1	40	5
OPBVS127	1.6	5	49	17	8	1	39	5
OPBVS128	1.3	5	33	15	6	1	39	5
OPBVS129	2.0	8	54	19	8	1	50	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0784-SJ9
DATE: 90/07/09
• SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
ORBVS001	.6	1	53	24	9	1	41	5
ORBVS002	1.0	1	110	62	10	1	29	5
ORBVS003	1.1	1	88	22	9	1	32	5
ORBVS004	1.1	1	49	17	7	1	35	5
ORBVS005	1.0	1	47	25	8	1	27	5
ORBVS006	.7	1	28	14	9	1	23	10
ORBVS007	1.2	1	70	25	9	1	31	5
ORBVS008	1.6	1	120	48	8	1	32	15
ORBVS009	1.4	1	102	42	9	1	47	5
ORBVS010	1.3	1	69	26	10	1	37	5
ORBVS011	1.6	1	45	19	7	1	24	5
ORBVS012	1.4	1	51	26	7	1	35	10
ORBVS013	1.2	1	60	22	7	1	36	5
ORBVS014	1.1	1	68	26	9	1	49	5
ORBVS015	1.2	1	73	29	9	1	39	5
ORBVS016	1.3	1	111	61	15	1	41	5
ORBVS017	1.3	1	63	22	7	1	31	5
ORBVS018	1.9	1	48	19	7	1	32	5
ORBVS019	1.0	1	90	44	11	1	27	5
ORBVS020	1.0	1	69	24	10	1	46	5
ORBVS021	1.6	1	62	27	7	1	55	5
ORBVS022	1.0	1	36	12	7	1	30	5
ORBVS023	1.1	1	68	19	8	1	47	5
ORBVS024	1.1	1	46	10	7	1	37	5
ORBVS025	1.6	1	55	19	7	1	38	10
ORBVS026	1.2	1	68	19	7	1	33	5
ORBVS027	.5	1	46	14	10	1	39	5
ORBVS028	1.1	1	65	18	10	1	48	5
ORBVS029	.9	1	51	12	8	1	32	5
ORBVS030	.8	1	74	18	8	1	39	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0816-SJ1+2
DATE: 90/07/12
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OGBVS256	.5	1	34	14	10	1	28	5
OGBVS257	1.0	1	28	12	13	1	28	5
OGBVS258	1.0	1	77	18	12	1	32	5
OGBVS259	1.0	1	63	27	17	1	37	10
OGBVS260	1.3	1	64	23	15	1	40	5
OGBVS261	1.7	1	64	21	10	1	31	5
OGBVS262	1.7	1	40	26	16	1	34	5
OGBVS263	1.6	1	56	24	14	1	31	5
OGBVS264	1.3	1	49	17	10	1	29	5
OGBVS265	.8	1	45	11	13	1	36	5
OGBVS266	.7	1	33	13	12	1	31	5
OGBVS267	1.2	1	43	34	10	1	27	10
OGBVS268	.7	1	45	11	12	1	32	5
OGBVS269	.6	1	69	12	16	1	36	5
OGBVS270	.6	1	66	22	20	1	46	5
OGBVS271	1.1	1	73	19	17	1	47	10
OGBVS272	1.0	1	73	17	17	1	56	20
OGBVS273	.7	1	51	13	16	1	39	5
OGBVS274	1.2	1	54	17	17	1	44	10
OGBVS275	1.7	1	38	15	16	1	29	5
OGBVS276	1.3	1	167	108	22	1	40	5
OGBVS277	1.7	6	73	41	10	1	34	5
OGBVS278	1.7	4	92	30	17	1	27	10
OGBVS279	1.2	1	88	15	19	1	29	5
OGBVS280	1.4	1	72	20	14	1	36	5
OGBVS281	.9	1	83	18	19	1	44	40
OGBVS282	1.4	1	82	22	12	1	41	10
OGBVS283	1.2	1	60	13	17	1	39	5
OGBVS284	.8	1	65	12	15	1	45	20
OGBVS285	1.0	2	43	10	13	1	28	5
OGBVS286	.4	1	53	13	17	1	36	5
OGBVS287	1.5	1	50	18	18	1	34	5
OGBVS288	1.0	1	42	17	18	1	26	5
OGBVS289	.9	1	59	12	18	1	33	5
OGBVS290	1.1	1	54	19	13	1	33	10
OGBVS291	1.1	1	45	13	15	1	20	5
OGBVS292	.3	1	24	5	16	1	17	5
OGBVS293	.7	1	37	11	17	1	23	5
OGBVS294	1.5	1	85	26	18	1	27	5
OGBVS295	1.1	1	27	16	19	1	18	5
OGBVS296	1.9	1	35	16	12	1	21	5
OGBVS297	1.6	1	26	24	17	1	20	5
OGBVS298	1.6	1	21	15	14	1	23	10
OGBVS299	1.3	1	26	12	14	1	23	5
OGBVS300	1.5	1	55	43	20	1	30	5
OGBVS301	1.0	1	29	13	16	1	22	5
OGBVS302	1.2	1	31	12	17	1	18	5
OGBVS303	1.8	1	48	16	21	1	36	5
OGBVS304	1.7	1	42	16	19	1	31	5
OGBVS305	1.7	1	28	15	16	1	25	5
OGBVS306	1.4	1	40	12	20	1	29	5
OGBVS307	1.5	1	46	19	19	1	32	10
OGBVS308	1.3	1	41	17	12	1	24	5
OGBVS309	1.3	1	69	16	18	1	34	5
OGBVS310	1.7	1	53	21	18	1	39	5
OGBVS311	1.6	1	41	11	17	1	22	5
OGBVS312	1.6	1	30	17	20	1	22	35
OGBVS313	1.8	1	55	19	20	1	27	10
OGBVS314	1.8	4	56	64	21	1	28	10
OGBVS315	1.3	1	39	13	16	1	18	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: J.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0816-SJ3
DATE: 90/07/12
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OGBVS316	1.2	1	58	58	18	1	27	5
OGBVS317	1.2	1	82	17	16	1	38	10
OGBVS318	1.3	1	71	18	18	1	35	5
OGBVS319	1.4	1	51	9	15	1	42	5
OGBVS320	1.0	1	46	12	18	1	25	5
OGBVS321	1.2	1	29	10	14	1	19	5
OGBVS322	.8	1	55	10	14	1	41	5
OGBVS323	1.0	1	50	16	15	1	32	5
OGBVS324	1.0	1	60	9	14	1	30	5
OGBVS325	.7	1	68	12	14	1	29	5
OGBVS326	.7	1	45	7	15	1	26	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0805-SJ1+2
DATE: 90/07/11
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OGBVS136	.8	1	44	15	18	1	33	5
OGBVS137	1.1	1	36	23	13	1	28	5
OGBVS138	.4	1	39	12	16	1	24	10
OGBVS139	.5	1	46	17	16	1	28	5
OGBVS140	.4	1	49	15	13	1	25	5
OGBVS141	1.0	1	46	16	20	1	33	5
OGBVS142	.3	1	45	17	15	1	28	5
OGBVS143	.6	1	54	15	16	1	39	5
OGBVS144	.8	1	87	24	19	1	42	10
OGBVS145	.6	1	94	18	22	1	41	10
OGBVS146	1.1	1	133	33	25	1	56	5
OGBVS147	.9	1	162	15	20	1	33	5
OGBVS148	1.1	1	67	17	14	1	36	5
OGBVS149	1.0	1	89	15	18	1	43	5
OGBVS150	.8	1	46	13	21	1	28	5
OGBVS151	1.1	1	54	17	19	1	36	5
OGBVS152	.6	1	49	21	17	1	22	10
OGBVS153	.9	1	63	17	20	1	52	5
OGBVS154	1.3	1	115	49	33	1	55	5
OGBVS155	.8	1	38	17	20	1	32	5
OGBVS156	2.1	1	69	36	19	1	61	5
OGBVS157	1.4	1	51	20	19	1	43	5
OGBVS158	1.6	1	63	33	19	1	39	5
OGBVS159	1.5	1	49	21	16	1	38	10
OGBVS160	1.2	1	65	26	17	1	59	10
OGBVS161	1.3	1	48	15	16	1	30	5
OGBVS162	1.6	1	67	19	18	1	48	5
OGBVS163	1.7	3	85	22	20	1	54	10
OGBVS164	1.8	1	63	55	19	1	43	5
OGBVS165	2.1	1	42	30	22	1	58	5
OGBVS166	1.0	1	72	60	10	1	33	5
OGBVS167	.1	1	17	16	10	1	9	10
OGBVS168	.7	1	55	58	11	1	26	5
OGBVS169	.4	1	38	13	10	1	31	5
OGBVS170	1.5	1	62	34	10	1	32	5
OGBVS171	.8	1	100	35	10	1	36	5
OGBVS172	.8	1	44	18	10	1	30	5
OGBVS173	.6	1	37	14	10	1	31	10
OGBVS174	1.5	1	52	23	10	1	45	5
OGBVS175	.1	1	39	5	10	1	22	5
OGBVS176	.9	1	50	16	10	1	41	5
OGBVS177	.8	1	69	16	10	1	47	5
OGBVS178	1.1	1	76	22	10	1	28	10
OGBVS179	.2	1	42	17	10	1	40	5
OGBVS180	.1	1	64	12	10	1	30	5
OGBVS181	1.0	1	85	43	10	1	45	5
OGBVS182	.9	1	127	38	11	1	61	5
OGBVS183	1.4	1	40	29	10	1	35	10
OGBVS184	.5	1	42	10	10	1	25	5
OGBVS185	1.0	1	38	16	10	1	22	5
OGBVS186	1.1	1	38	21	10	1	23	5
OGBVS187	1.3	1	60	16	10	1	27	5
OGBVS188	1.3	1	55	25	10	1	30	5
OGBVS189	1.3	1	44	20	10	1	23	10
OGBVS190	.5	1	54	13	10	1	25	10
OGBVS191	1.0	1	54	21	10	1	24	5
OGBVS192	.8	1	54	16	10	1	25	10
OGBVS193	1.1	1	51	18	10	1	26	10
OGBVS194	.8	1	72	21	10	1	25	5
OGBVS195	1.2	1	148	79	12	1	26	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0752-SJ3+4
DATE: 90/07/03
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
0JBVS061	.5	1	60	16	12	1	37	5
0JBVS062	.7	1	75	39	12	1	63	5
0JBVS063	.7	1	55	17	16	1	29	5
0JBVS064	1.2	1	158	65	12	1	49	5
0JBVS065	1.3	1	79	32	10	1	47	5
0JBVS066	1.2	1	45	23	10	1	28	5
0JBVS067	1.1	1	50	24	12	1	33	10
0JBVS068	1.4	1	59	31	12	1	26	5
0JBVS069	1.2	1	56	21	9	1	36	5
0JBVS070	.8	1	57	17	11	1	31	15
0JBVS071	1.2	1	75	29	10	1	37	5
0JBVS072	1.3	1	53	25	14	1	43	5
0JBVS073	1.3	1	75	19	12	1	36	5
0JBVS074	2.0	1	52	30	12	1	23	5
0JBVS075	.9	1	51	17	13	1	32	5
0JBVS076	1.3	1	65	23	14	1	27	5
0JBVS077	1.5	1	57	29	12	1	35	5
0JBVS078	2.0	1	79	46	12	1	39	5
0JBVS079	1.3	1	64	20	14	1	55	10
0JBVS080	1.1	1	82	14	12	1	50	10
0JBVS081	1.7	1	115	36	12	1	41	5
0JBVS082	1.4	1	54	37	13	1	30	5
0JBVS083	.6	1	116	13	15	1	54	5
0JBVS084	.5	1	29	18	12	1	29	5
0JBVS085	.7	1	47	19	12	1	45	5
0JBVS086	1.1	1	39	32	13	1	48	5
0JBVS087	1.7	1	76	65	10	1	56	5
0JBVS088	1.0	1	71	19	12	1	72	10
0JBVS089	1.1	1	58	23	13	1	79	5
0JBVS090	.4	1	58	13	12	1	53	5
0JBVS091	1.0	1	45	31	11	1	36	5
0JBVS092	.9	1	90	48	11	1	42	5
0GBVS001	1.4	1	88	65	12	1	40	5
0GBVS002	1.6	1	89	106	11	1	34	10
0GBVS003	1.2	1	68	21	11	1	38	5
0GBVS004	1.8	1	57	33	11	1	46	5
0GBVS005	1.3	1	50	20	12	1	36	5
0GBVS006	1.6	1	60	19	11	1	42	5
0GBVS007	2.1	1	46	23	11	1	27	5
0GBVS008	1.0	1	68	15	12	1	62	5
0GBVS009	.8	1	65	20	11	1	65	10
0GBVS010	1.4	1	84	39	11	1	36	10
0GBVS011	1.1	1	63	23	10	1	49	5
0GBVS012	1.1	1	83	15	10	1	46	5
0GBVS013	1.8	1	78	35	12	1	39	10
0GBVS014	1.6	1	84	29	11	1	49	5
0GBVS015	1.3	1	73	24	11	1	45	5
0GBVS016	.6	1	80	18	12	1	66	5
0GBVS017	1.6	1	102	35	11	1	72	10
0GBVS018	1.9	1	88	32	9	1	51	5
0GBVS019	1.4	1	101	19	11	1	71	5
0GBVS020	1.4	1	75	18	12	1	41	5
0GBVS021	1.2	1	107	13	11	1	36	5
0GBVS022	.9	1	61	16	11	1	37	5
0GBVS023	.6	1	37	13	14	1	37	5
0GBVS024	.5	1	58	16	17	1	42	10
0GBVS025	.7	1	48	15	15	1	30	5
0GBVS026	1.5	1	92	26	11	1	36	5
0GBVS027	.9	1	36	25	12	1	45	5
0GBVS028	1.5	1	45	30	11	1	32	5

COMP: MINNOVA INC.
PROJ: BEV 246
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 0V-0752-SJ5+6
DATE: 90/07/03
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
OGBVS029	.7	1	62	21	12	1	46	5
OGBVS030	.6	1	60	21	12	1	28	5
OGBVS031	.6	1	66	17	13	1	51	5
OGBVS032	1.1	1	53	30	15	1	41	10
OGBVS033	1.5	1	61	43	12	1	46	5
OGBVS034	1.7	1	83	48	13	1	31	5
OGBVS035	1.2	1	113	22	14	1	63	5
OGBVS036	1.0	1	45	17	12	1	31	5
OGBVS037	1.4	1	43	21	12	1	34	5
OGBVS038	1.2	1	35	17	9	1	31	5
OGBVS039	1.1	1	51	18	12	1	36	10
OGBVS040	1.5	1	81	22	10	1	38	5
OGBVS041	1.5	1	65	25	10	1	45	5
OGBVS042	.7	1	49	25	12	1	65	5
OGBVS043	1.3	1	133	72	12	1	56	5
OGBVS044	.9	1	40	17	12	1	33	5
OGBVS045	1.1	1	50	19	13	1	63	5
OGBVS046	1.4	1	72	24	12	1	61	5
OGBVS047	1.1	1	51	18	12	1	47	5
OGBVS048	1.0	1	63	16	17	1	58	10
OGBVS049	1.6	1	57	21	12	1	64	10
OGBVS050	1.1	1	56	14	13	1	77	15
OGBVS051	1.4	1	59	25	12	1	72	5
OGBVS052	1.7	1	43	21	12	1	66	5
OGBVS053	1.2	1	46	19	11	1	44	5
OGBVS054	1.4	1	57	19	12	1	49	5
OGBVS055	1.6	1	60	21	10	1	59	10
OGBVS056	.8	1	28	19	12	1	35	5
OGBVS057	1.6	1	48	22	12	1	63	5
OGBVS058	1.7	1	53	34	16	1	49	5
OGBVS059	1.0	12	73	17	718	806	59	5
OGBVS060	1.6	1	68	26	11	1	53	5
OGBVS061	.8	1	65	23	14	1	53	5
OGBVS062	1.0	1	65	30	15	1	43	5
OGBVS063	.9	1	50	16	11	1	28	5
OGBVS064	1.2	1	51	27	12	1	54	5
OGBVS065	.7	1	39	14	11	1	45	5
OGBVS066	1.1	1	107	81	13	1	44	5
OGBVS067	.9	1	69	21	17	1	66	5
OGBVS068	1.2	1	68	28	11	1	53	5
OGBVS069	.6	1	56	28	12	1	42	5
OGBVS070	.5	1	61	19	13	1	44	5
OGBVS071	1.7	1	63	46	11	1	58	5
OGBVS072	1.1	1	88	32	11	1	63	5
OGBVS073	1.4	1	77	33	11	1	53	5
OGBVS074	1.0	1	59	18	13	1	54	5
OGBVS075	.8	1	60	16	14	1	50	10
OGBVS076	1.4	1	62	24	11	1	55	5
OGBVS077	2.2	1	69	30	11	1	55	5
OGBVS078	1.9	1	49	26	9	1	32	5
OGBVS079	1.1	1	37	17	10	1	42	5
OGBVS080	1.5	1	38	24	11	1	34	5
OGBVS081	1.5	1	45	21	11	1	31	10
OGBVS082	.8	1	57	20	13	1	55	5
OGBVS083	1.0	1	58	20	13	1	56	5
OGBVS084	.9	1	70	23	11	1	38	25
OGBVS085	1.1	1	57	25	14	1	45	5

APPENDIX IV
SOIL SAMPLING STATISTICS

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AU	Unit =	PPB	N =	637
Mean =	6.248	Min =	5.000	1st Quartile =	5.000
Std. Dev. =	4.193	Max =	50.000	Median =	5.000
CV % =	67.112	Skewness =	7.150	3rd Quartile =	5.000

%	cum %	cls int	(# of bins = 29 - bin size = 1.607)
0.00	0.08	4.196	
82.73	82.68	5.804	********** --> 199
0.00	82.68	7.411	
0.00	82.68	9.018	
15.07	97.73	10.625	**********
0.00	97.73	12.232	
0.00	97.73	13.839	
0.78	98.51	15.446	**
0.00	98.51	17.054	
0.00	98.51	18.661	
0.47	98.98	20.268	*
0.00	98.98	21.875	
0.00	98.98	23.482	
0.16	99.14	25.089	
0.00	99.14	26.696	
0.00	99.14	28.304	
0.00	99.14	29.911	
0.00	99.14	31.518	
0.00	99.14	33.125	
0.00	99.14	34.732	
0.16	99.29	36.339	
0.00	99.29	37.946	
0.00	99.29	39.554	
0.16	99.45	41.161	
0.00	99.45	42.768	
0.00	99.45	44.375	
0.00	99.45	45.982	
0.00	99.45	47.589	
0.00	99.45	49.196	
0.47	99.92	50.804	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	AU	Unit =	PPB	N =	637
Mean =	0.7595	Min =	0.6990	1st Quartile =	0.6990
Std. Dev. =	0.1463	Max =	1.6990	Median =	0.6990
CV % =	19.2629	Skewness =	2.9561	3rd Quartile =	0.6990

Anti-Log Mean = 5.747 Anti-Log Std. Dev. : (-) 4.104
(+) 8.049

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.0357)
0.00	0.08	4.799	0.6811	
82.73	82.68	5.210	0.7168	********** --> 199
0.00	82.68	5.656	0.7525	
0.00	82.68	6.141	0.7883	
0.00	82.68	6.668	0.8240	
0.00	82.68	7.239	0.8597	
0.00	82.68	7.860	0.8954	
0.00	82.68	8.533	0.9311	
0.00	82.68	9.265	0.9668	
15.07	97.73	10.059	1.0025	**********
0.00	97.73	10.921	1.0383	
0.00	97.73	11.857	1.0740	
0.00	97.73	12.873	1.1097	
0.00	97.73	13.977	1.1454	
0.78	98.51	15.174	1.1811	**
0.00	98.51	16.475	1.2168	
0.00	98.51	17.887	1.2525	
0.00	98.51	19.420	1.2883	
0.47	98.98	21.085	1.3240	*
0.00	98.98	22.892	1.3597	
0.00	98.98	24.854	1.3954	
0.16	99.14	26.984	1.4311	
0.00	99.14	29.297	1.4668	
0.00	99.14	31.808	1.5025	
0.00	99.14	34.535	1.5383	
0.16	99.29	37.495	1.5740	
0.16	99.45	40.708	1.6097	
0.00	99.45	44.198	1.6454	
0.00	99.45	47.986	1.6811	
0.47	99.92	52.099	1.7168	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = AU Unit = PPB N = 637
N CI = 29

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	5.642	-	4.272	99.00
		+	7.451	
2	31.981	-	21.115	1.00
		+	48.440	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	3.235	9.839
2	13.940	73.370

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AU	Unit =	PPB	N =	110
Mean =	12.227	Min =	10.000	1st Quartile =	10.000
Std. Dev. =	7.680	Max =	50.000	Median =	10.000
CV % =	62.812	Skewness =	3.999	3rd Quartile =	10.000

%	cum %	cls int	(# of bins = 10 - bin size = 4.444)
0.00	0.45	7.778	
87.27	86.94	12.222	********** --> 68
4.55	91.44	16.667	****
2.73	94.14	21.111	**
0.91	95.05	25.556	*
0.00	95.05	30.000	
0.00	95.05	34.444	
0.91	95.95	38.889	*
0.91	96.85	43.333	*
0.00	96.85	47.778	
2.73	99.55	52.222	**

0 1 2 3 4

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	AU	Unit =	PPB	N =	110
Mean =	1.0493	Min =	1.0000	1st Quartile =	1.0000
Std. Dev. =	0.1497	Max =	1.6990	Median =	1.0000
CV % =	14.2642	Skewness =	3.2872	3rd Quartile =	1.0000

Anti-Log Mean = 11.202 Anti-Log Std. Dev. : (-) 7.937
(+) 15.812

%	%	antilog	cls int	(# of bins = 10 - bin size = 0.0777)
0.00	[illegible]	9.145	0.9612	
87.27	[illegible]	10.935	1.0388	********** --> 68
0.00	[illegible]	13.077	1.1165	
4.55	[illegible]	15.637	1.1942	****
0.00	[illegible]	18.699	1.2718	
2.73	[illegible]	22.361	1.3495	**
0.91	[illegible]	26.739	1.4271	*
0.00	[illegible]	31.975	1.5048	
0.91	[illegible]	38.236	1.5825	*
0.91	[illegible]	45.723	1.6601	*
2.73	[illegible]	54.677	1.7378	**

0 1 2 3 4

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	BA	Unit =	PPM	N =	637
Mean =	61.414	Min =	17.000	1st Quartile =	46.750
Std. Dev. =	21.940	Max =	167.000	Median =	57.000
CV % =	35.725	Skewness =	1.493	3rd Quartile =	71.250

%	cum %	cls int	(# of bins = 29 - bin size = 5.357)
0.00	0.08	14.321	
0.16	0.24	19.679	
0.47	0.71	25.036	*
2.35	3.06	30.393	******
2.35	5.41	35.750	******
7.38	12.77	41.107	******************
12.24	25.00	46.464	******************************
11.30	36.29	51.821	**************************
14.60	50.86	57.179	**********************************
10.36	61.21	62.536	************************
8.48	69.67	67.893	********************
8.63	78.29	73.250	**********************
5.34	83.62	78.607	**********
3.30	86.91	83.964	********
3.92	90.83	89.321	*********
2.20	93.03	94.679	*****
1.10	94.12	100.036	***
1.41	95.53	105.393	***
0.94	96.47	110.750	**
0.78	97.26	116.107	**
0.63	97.88	121.464	**
0.16	98.04	126.821	
0.31	98.35	132.179	*
0.31	98.67	137.536	*
0.00	98.67	142.893	
0.47	99.14	148.250	*
0.00	99.14	153.607	
0.47	99.61	158.964	*
0.16	99.76	164.321	
0.16	99.92	169.679	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	BA	Unit =	PPM	N =	637
Mean =	1.7637	Min =	1.2304	1st Quartile =	1.6698
Std. Dev. =	0.1444	Max =	2.2227	Median =	1.7559
CV % =	8.1862	Skewness =	0.1622	3rd Quartile =	1.8528
Anti-Log Mean =	58.043	Anti-Log Std. Dev. :	(-)		41.626
			(+)		80.934

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.0354)
0.00	0.08	16.320	1.2127	
0.16	0.24	17.708	1.2482	
0.00	0.24	19.213	1.2836	
0.00	0.24	20.847	1.3190	
0.31	0.55	22.619	1.3545	*
0.16	0.71	24.543	1.3899	
0.16	0.86	26.629	1.4254	
1.26	2.12	28.893	1.4608	***
1.73	3.84	31.350	1.4962	****
0.94	4.78	34.015	1.5317	**
1.73	6.50	36.907	1.5671	****
5.49	11.99	40.045	1.6025	**********
5.49	17.48	43.450	1.6380	**********
9.26	26.72	47.144	1.6734	**********
9.58	36.29	51.152	1.7089	**********
9.26	45.53	55.501	1.7443	**********
12.40	57.92	60.220	1.7797	**********
8.79	66.69	65.340	1.8152	**********
7.22	73.90	70.895	1.8506	**********
7.69	81.58	76.923	1.8861	**********
5.34	86.91	83.463	1.9215	**********
4.55	91.46	90.559	1.9569	**********
2.20	93.65	98.258	1.9924	*****
2.04	95.69	106.612	2.0278	*****
1.41	97.10	115.676	2.0632	***
0.94	98.04	125.511	2.0987	**
0.63	98.67	136.182	2.1341	**
0.31	98.98	147.761	2.1696	*
0.63	99.61	160.324	2.2050	**
0.31	99.92	173.954	2.2404	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = BA Unit = PPM N = 637
N CI = 29

Transform = Logarithmic Number of Populations = 1

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	58.043	-	41.626	100.00
		+	80.934	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	29.853	112.853

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	BA	Unit =	PPM	N =	637
Mean =	61.414	Min =	17.000	1st Quartile =	46.750
Std. Dev. =	21.940	Max =	167.000	Median =	57.000
CV % =	35.725	Skewness =	1.493	3rd Quartile =	71.250

%	cum %	cls int	(# of bins = 29 - bin size = 5.357)
0.00	0.08	14.321	
0.16	0.24	19.679	
0.47	0.71	25.036	*
2.35	3.06	30.393	******
2.35	5.41	35.750	******
7.38	12.77	41.107	*******************
12.24	25.00	46.464	******************************
11.30	36.29	51.821	**************************
14.60	50.86	57.179	**********************************
10.36	61.21	62.536	************************
8.48	69.67	67.893	********************
8.63	78.29	73.250	*********************
5.34	83.62	78.607	************
3.30	86.91	83.964	********
3.92	90.83	89.321	*********
2.20	93.03	94.679	*****
1.10	94.12	100.036	***
1.41	95.53	105.393	***
0.94	96.47	110.750	**
0.78	97.26	116.107	**
0.63	97.88	121.464	**
0.16	98.04	126.821	
0.31	98.35	132.179	*
0.31	98.67	137.536	*
0.00	98.67	142.893	
0.47	99.14	148.250	*
0.00	99.14	153.607	
0.47	99.61	158.964	*
0.16	99.76	164.321	
0.16	99.92	169.679	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	BA	Unit =	PPM	N =	637
Mean =	1.7637	Min =	1.2304	1st Quartile =	1.6698
Std. Dev. =	0.1444	Max =	2.2227	Median =	1.7559
CV % =	8.1862	Skewness =	0.1622	3rd Quartile =	1.8528

Anti-Log Mean = 58.043 Anti-Log Std. Dev. : (-) 41.626
(+) 80.934

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.0354)
0.00	0.08	16.320	1.2127	
0.16	0.24	17.708	1.2482	
0.00	0.24	19.213	1.2836	
0.00	0.24	20.847	1.3190	
0.31	0.55	22.619	1.3545	*
0.16	0.71	24.543	1.3899	
0.16	0.86	26.629	1.4254	
1.26	2.12	28.893	1.4608	***
1.73	3.84	31.350	1.4962	****
0.94	4.78	34.015	1.5317	**
1.73	6.50	36.907	1.5671	****
5.49	11.99	40.045	1.6025	**********
5.49	17.48	43.450	1.6380	**********
9.26	26.72	47.144	1.6734	**********
9.58	36.29	51.152	1.7089	**********
9.26	45.53	55.501	1.7443	**********
12.40	57.92	60.220	1.7797	**********
8.79	66.69	65.340	1.8152	**********
7.22	73.90	70.895	1.8506	**********
7.69	81.58	76.923	1.8861	**********
5.34	86.91	83.463	1.9215	**********
4.55	91.46	90.559	1.9569	**********
2.20	93.65	98.258	1.9924	*****
2.04	95.69	106.612	2.0278	*****
1.41	97.10	115.676	2.0632	***
0.94	98.04	125.511	2.0987	**
0.63	98.67	136.182	2.1341	**
0.31	98.98	147.761	2.1696	*
0.63	99.61	160.324	2.2050	**
0.31	99.92	173.954	2.2404	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	BA	Unit =	PPM	N =	626
Mean =	60.808	Min =	27.000	1st Quartile =	47.000
Std. Dev. =	19.698	Max =	147.000	Median =	57.000
CV % =	32.393	Skewness =	1.129	3rd Quartile =	71.000

%	cum %	cls int	(# of bins = 28 - bin size = 4.444)
0.00	0.08	24.778	
1.76	1.83	29.222	****
1.92	3.75	33.667	*****
4.63	8.37	38.111	**********
7.03	15.39	42.556	**********
9.27	24.64	47.000	**********
11.50	36.12	51.444	**********
9.42	45.53	55.889	**********
12.62	58.13	60.333	**********
7.19	65.31	64.778	**********
8.31	73.60	69.222	**********
5.27	78.87	73.667	**********
5.43	84.29	78.111	**********
2.72	87.00	82.556	******
2.56	89.55	87.000	******
2.88	92.42	91.444	*******
1.60	94.02	95.889	****
0.96	94.98	100.333	**
1.44	96.41	104.778	***
0.80	97.21	109.222	**
0.48	97.69	113.667	*
0.48	98.17	118.111	*
0.64	98.80	122.556	**
0.48	99.28	127.000	*
0.00	99.28	131.444	
0.32	99.60	135.889	*
0.00	99.60	140.333	
0.00	99.60	144.778	
0.32	99.92	149.222	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	BA	Unit =	PPM	N =	626
Mean =	1.7630	Min =	1.4314	1st Quartile =	1.6721
Std. Dev. =	0.1339	Max =	2.1673	Median =	1.7559
CV % =	7.5947	Skewness =	0.1714	3rd Quartile =	1.8513

Anti-Log Mean = 57.942 Anti-Log Std. Dev. : (-) 42.570
(+) 78.866

%	cum %	antilog	cls int	(# of bins = 28 - bin size = 0.0273)
0.00	0.08	26.166	1.4177	
0.16	0.24	27.861	1.4450	
1.60	1.83	29.665	1.4723	****
1.28	3.11	31.587	1.4995	***
0.64	3.75	33.633	1.5268	**
0.96	4.70	35.812	1.5540	**
3.67	8.37	38.131	1.5813	*********
3.04	11.40	40.601	1.6085	*******
5.59	16.99	43.231	1.6358	*************
7.67	24.64	46.031	1.6631	******************
6.07	30.70	49.013	1.6903	**************
7.67	38.36	52.188	1.7176	******************
7.19	45.53	55.568	1.7448	*****************
9.42	54.94	59.167	1.7721	**********************
6.55	61.48	63.000	1.7993	***************
8.63	70.10	67.081	1.8266	********************
5.27	75.36	71.426	1.8539	************
6.87	82.22	76.052	1.8811	*****************
3.35	85.57	80.979	1.9084	********
3.99	89.55	86.224	1.9356	*********
2.88	92.42	91.809	1.9629	*******
2.08	94.50	97.756	1.9901	*****
1.92	96.41	104.088	2.0174	*****
0.96	97.37	110.830	2.0447	**
0.80	98.17	118.009	2.0719	**
0.80	98.96	125.653	2.0992	**
0.64	99.60	133.792	2.1264	**
0.00	99.60	142.459	2.1537	
0.32	99.92	151.686	2.1809	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	BA	Unit =	PPM	N =	626
Mean =	60.808	Min =	27.000	1st Quartile =	47.000
Std. Dev. =	19.698	Max =	147.000	Median =	57.000
CV % =	32.393	Skewness =	1.129	3rd Quartile =	71.000

%	cum %	cls int	(# of bins = 25 - bin size = 5.000)
0.00	0.08	24.500	
1.76	1.83	29.500	****
2.24	4.07	34.500	*****
5.91	9.97	39.500	**********
9.11	19.06	44.500	**********
11.66	30.70	49.500	**********
11.98	42.66	54.500	**********
12.30	54.94	59.500	**********
10.38	65.31	64.500	**********
8.31	73.60	69.500	**********
6.39	79.98	74.500	**********
4.79	84.77	79.500	**********
3.51	88.28	84.500	********
3.35	91.63	89.500	********
2.24	93.86	94.500	*****
0.96	94.82	99.500	**
1.60	96.41	104.500	****
0.80	97.21	109.500	**
0.48	97.69	114.500	*
0.48	98.17	119.500	*
0.64	98.80	124.500	**
0.48	99.28	129.500	*
0.32	99.60	134.500	*
0.00	99.60	139.500	
0.00	99.60	144.500	
0.32	99.92	149.500	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	BA	Unit =	PPM	N =	626
Mean =	1.7630	Min =	1.4314	1st Quartile =	1.6721
Std. Dev. =	0.1339	Max =	2.1673	Median =	1.7559
CV % =	7.5947	Skewness =	0.1714	3rd Quartile =	1.8513
Anti-Log Mean =	57.942	Anti-Log Std. Dev. :	(-)		42.570
			(+)		78.866

%	cum %	antilog	cls int	(# of bins = 25 - bin size = 0.0307)
0.00	0.08	26.063	1.4160	
0.16	0.24	27.970	1.4467	
2.08	2.31	30.017	1.4774	*****
0.80	3.11	32.213	1.5080	**
0.96	4.07	34.569	1.5387	**
2.72	6.78	37.098	1.5694	******
3.19	9.97	39.813	1.6000	********
5.43	15.39	42.725	1.6307	**********
6.55	21.93	45.851	1.6613	**********
8.79	30.70	49.206	1.6920	**********
7.67	38.36	52.805	1.7227	**********
9.42	47.77	56.669	1.7533	**********
10.38	58.13	60.815	1.7840	**********
8.95	67.07	65.264	1.8147	**********
7.35	74.40	70.039	1.8453	**********
7.03	81.42	75.163	1.8760	**********
4.15	85.57	80.662	1.9067	**********
3.99	89.55	86.563	1.9373	*********
3.51	93.06	92.896	1.9680	********
1.76	94.82	99.692	1.9987	****
1.76	96.57	106.986	2.0293	****
1.12	97.69	114.813	2.0600	***
1.12	98.80	123.213	2.0907	***
0.48	99.28	132.227	2.1213	*
0.32	99.60	141.901	2.1520	*
0.32	99.92	152.282	2.1826	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##########

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = BA Unit = PPM N = 626
N CI = 25

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

5 Observations Were Below the Minimum Value of 26.6318
6 Observations Were Above the Maximum Value of 147.7750

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	28.176	-	27.579	1.50
		+	28.786	
2	56.472	-	43.454	93.50
		+	73.390	
3	113.388	-	~~101.668~~	5.00
		+	126.459	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	26.995	29.409
2	33.437	~~95.377~~
3	91.160	141.036

##########

113 - 3 = 141

126 - 141

141

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	PB	Unit =	PPM	N =	637
Mean =	1.1516	Min =	0.0000	1st Quartile =	1.0414
Std. Dev. =	0.1923	Max =	2.8561	Median =	1.1461
CV % =	16.6993	Skewness =	-0.1930	3rd Quartile =	1.2553

Anti-Log Mean = 14.176 Anti-Log Std. Dev. : (-) 9.104
(+) 22.073

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.1020)	
0.00	0.08	0.889	-0.0510		
0.31	0.39	1.125	0.0510	*	
0.00	0.39	1.422	0.1530		
0.00	0.39	1.799	0.2550		
0.31	0.71	2.275	0.3570	*	
0.00	0.71	2.878	0.4590		
0.47	1.18	3.639	0.5610	*	
0.63	1.80	4.603	0.6630	**	
0.78	2.59	5.821	0.7650	**	
2.98	5.56	7.363	0.8670	*******	
3.45	9.01	9.312	0.9690	********	
17.27	26.25	11.777	1.0710	**********	--> 42
24.18	50.39	14.895	1.1731	**********	--> 58
25.27	75.63	18.839	1.2751	**********	--> 61
16.64	92.24	23.826	1.3771	**********	--> 40
6.44	98.67	30.135	1.4791	**********	
1.10	99.76	38.113	1.5811	***	
0.00	99.76	48.203	1.6831		
0.00	99.76	60.965	1.7851		
0.00	99.76	77.105	1.8871		
0.00	99.76	97.518	1.9891		
0.00	99.76	123.336	2.0911		
0.00	99.76	155.990	2.1931		
0.00	99.76	197.288	2.2951		
0.00	99.76	249.519	2.3971		
0.00	99.76	315.580	2.4991		
0.00	99.76	399.129	2.6011		
0.00	99.76	504.798	2.7031		
0.00	99.76	638.443	2.8051		
0.16	99.92	807.471	2.9071		

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = PB Unit = PPM N = 637
N CI = 29

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	2.534	-	1.498	1.50
		+	4.285	
2	14.492	-	9.817	98.50
		+	21.393	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.886	7.246
2	6.650	31.581

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	PB	Unit =	PPM	N =	625
Mean =	15.382	Min =	5.000	1st Quartile =	11.750
Std. Dev. =	5.267	Max =	33.000	Median =	15.000
CV % =	34.241	Skewness =	0.801	3rd Quartile =	18.000

%	cum %	cls int	(# of bins = 28 - bin size = 1.037)
0.00	0.08	4.481	
0.80	0.88	5.519	**
0.96	1.84	6.556	**
2.08	3.91	7.593	*****
1.12	5.03	8.630	***
2.40	7.43	9.667	******
8.32	15.73	10.704	********************
9.28	25.00	11.741	**********************
12.00	36.98	12.778	****************************
5.60	42.57	13.815	*************
7.04	49.60	14.852	*****************
5.28	54.87	15.889	************
7.36	62.22	16.926	*****************
6.56	68.77	17.963	***************
12.64	81.39	19.000	******************************
4.32	85.70	20.037	**********
2.88	88.58	21.074	*******
2.08	90.65	22.111	*****
1.60	92.25	23.148	****
0.96	93.21	24.185	**
1.44	94.65	25.222	***
0.64	95.29	26.259	**
1.12	96.41	27.296	***
0.80	97.20	28.333	**
0.96	98.16	29.370	**
0.64	98.80	30.407	**
0.48	99.28	31.444	*
0.16	99.44	32.481	
0.48	99.92	33.519	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	PB	Unit =	PPM	N =	625
Mean =	1.1620	Min =	0.6990	1st Quartile =	1.0697
Std. Dev. =	0.1491	Max =	1.5185	Median =	1.1761
CV % =	12.8325	Skewness =	-0.1895	3rd Quartile =	1.2553

Anti-Log Mean = 14.521 Anti-Log Std. Dev. : (-) 10.301
(+) 20.469

%	cum %	antilog	cls int	(# of bins = 28 - bin size = 0.0304)
0.00	0.08	4.828	0.6838	
0.80	0.88	5.178	0.7141	**
0.00	0.88	5.553	0.7445	
0.00	0.88	5.955	0.7749	
0.96	1.84	6.386	0.8052	**
0.00	1.84	6.848	0.8356	
2.08	3.91	7.344	0.8659	*****
0.00	3.91	7.875	0.8963	
1.12	5.03	8.445	0.9266	***
2.40	7.43	9.057	0.9570	******
0.00	7.43	9.712	0.9873	
8.32	15.73	10.416	1.0177	**********
9.28	25.00	11.170	1.0480	**********
0.00	25.00	11.978	1.0784	
12.00	36.98	12.845	1.1087	**********
5.60	42.57	13.775	1.1391	**********
7.04	49.60	14.772	1.1694	**********
5.28	54.87	15.842	1.1998	**********
7.36	62.22	16.989	1.2302	**********
13.12	75.32	18.218	1.2605	**********
6.08	81.39	19.537	1.2909	**********
4.32	85.70	20.952	1.3212	**********
4.96	90.65	22.468	1.3516	**********
2.56	93.21	24.095	1.3819	******
1.44	94.65	25.839	1.4123	***
1.76	96.41	27.710	1.4426	****
1.76	98.16	29.716	1.4730	****
1.12	99.28	31.867	1.5033	***
0.64	99.92	34.174	1.5337	**

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	PB	Unit =	PPM	N =	592
Mean =	14.633	Min =	5.000	1st Quartile =	11.000
Std. Dev. =	4.291	Max =	25.000	Median =	14.000
CV % =	29.323	Skewness =	0.255	3rd Quartile =	18.000

%	cum %	cls int	(# of bins = 20 - bin size = 1.053)
0.00	0.08	4.474	
0.84	0.93	5.526	**
1.01	1.94	6.579	**
2.20	4.13	7.632	*****
1.18	5.31	8.684	***
2.53	7.84	9.737	******
8.78	16.61	10.789	**********
9.80	26.39	11.842	**********
12.67	39.04	12.895	**********
5.91	44.94	13.947	**********
7.43	52.36	15.000	**********
13.34	65.68	16.053	**********
6.93	72.60	17.105	**********
6.93	79.51	18.158	**********
6.42	85.92	19.211	**********
4.56	90.47	20.263	**********
3.04	93.51	21.316	*******
2.20	95.70	22.368	*****
1.69	97.39	23.421	****
1.01	98.40	24.474	**
1.52	99.92	25.526	****

0 1 2 3 4

Each "*" represents approximately 2.4 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	PB	Unit =	PPM	N =	592
Mean =	1.1455	Min =	0.6990	1st Quartile =	1.0414
Std. Dev. =	0.1350	Max =	1.3979	Median =	1.1461
CV % =	11.7899	Skewness =	-0.5109	3rd Quartile =	1.2553

Anti-Log Mean = 13.978 Anti-Log Std. Dev. : (-) 10.243
(+) 19.077

%	cum %	antilog	cls int	(# of bins = 20 - bin size = 0.0368)
0.00	0.08	4.793	0.6806	
0.84	0.93	5.216	0.7174	**
0.00	0.93	5.677	0.7542	
1.01	1.94	6.179	0.7909	**
0.00	1.94	6.726	0.8277	
2.20	4.13	7.320	0.8645	*****
0.00	4.13	7.967	0.9013	
1.18	5.31	8.671	0.9381	***
2.53	7.84	9.438	0.9749	******
8.78	16.61	10.272	1.0117	**********
9.80	26.39	11.180	1.0485	**********
12.67	39.04	12.169	1.0852	**********
5.91	44.94	13.244	1.1220	**********
7.43	52.36	14.415	1.1588	**********
5.57	57.93	15.689	1.1956	**********
14.70	72.60	17.076	1.2324	**********
6.93	79.51	18.586	1.2692	**********
10.98	90.47	20.229	1.3060	**********
5.24	95.70	22.017	1.3428	**********
1.69	97.39	23.963	1.3795	****
2.53	99.92	26.082	1.4163	******

0 1 2 3 4

Each "*" represents approximately 2.4 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = PB Unit = PPM N = 592
N CI = 20

Transform = Arithmetic Number of Populations = 4

# of Missing Observations = 0.

11 Observations Were Below the Minimum Value of 4.6030
34 Observations Were Above the Maximum Value of 25.2220

==========

Users Visual Parameter Estimates

Population	Mean	Std Dev	Percentage
1	5.545	0.522	1.50
2	7.038	0.720	3.70
3	11.174	1.260	35.80
4	17.346	3.059	59.00

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	4.501	6.590
2	5.598	8.479
3	8.653	13.694
4	11.227	23.465

##

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = PB Unit = PPM N = 592
N CI = 20

Transform = Logarithmic Number of Populations = 4

# of Missing Observations = 0.

11 Observations Were Below the Minimum Value of 4.6030
34 Observations Were Above the Maximum Value of 25.2220

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	5.523	-	5.021	1.00
		+	6.075	
2	7.003	-	6.315	4.00
		+	7.766	
3	10.807	-	9.726	28.00
		+	12.008	
4	16.079	-	13.078	67.00
		+	19.767	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	4.565	6.681
2	5.694	8.612
3	8.753	13.343
4	10.637	24.303

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	ZN	Unit =	PPM	N =	637
Mean =	41.892	Min =	9.000	1st Quartile =	32.000
Std. Dev. =	14.770	Max =	188.000	Median =	40.000
CV % =	35.258	Skewness =	2.425	3rd Quartile =	49.000

%	cum %	cls int	(# of bins = 29 - bin size = 6.393)
0.00	0.08	5.804	
0.16	0.24	12.196	
0.94	1.18	18.589	**
4.55	5.72	24.982	**********
17.11	22.81	31.375	********** --> 41
19.78	42.55	37.768	********** --> 48
22.29	64.81	44.161	********** --> 54
14.13	78.92	50.554	**********
8.16	87.07	56.946	**********
5.97	93.03	63.339	**********
3.14	96.16	69.732	********
1.57	97.73	76.125	****
0.94	98.67	82.518	**
0.31	98.98	88.911	*
0.16	99.14	95.304	
0.00	99.14	101.696	
0.47	99.61	108.089	*
0.00	99.61	114.482	
0.16	99.76	120.875	
0.00	99.76	127.268	
0.00	99.76	133.661	
0.00	99.76	140.054	
0.00	99.76	146.446	
0.00	99.76	152.839	
0.00	99.76	159.232	
0.00	99.76	165.625	
0.00	99.76	172.018	
0.00	99.76	178.411	
0.00	99.76	184.804	
0.16	99.92	191.196	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	ZN	Unit =	PPM	N =	637
Mean =	1.5992	Min =	0.9542	1st Quartile =	1.5051
Std. Dev. =	0.1396	Max =	2.2742	Median =	1.6021
CV % =	8.7273	Skewness =	0.0984	3rd Quartile =	1.6902

Anti-Log Mean = 39.739 Anti-Log Std. Dev. : (-) 28.817
(+) 54.800

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.0471)
0.00	0.08	8.525	0.9307	
0.16	0.24	9.502	0.9778	
0.00	0.24	10.591	1.0250	
0.00	0.24	11.806	1.0721	
0.16	0.39	13.159	1.1192	
0.00	0.39	14.668	1.1664	
0.00	0.39	16.350	1.2135	
0.78	1.18	18.224	1.2607	**
0.47	1.65	20.314	1.3078	*
1.41	3.06	22.643	1.3549	***
3.77	6.82	25.239	1.4021	*********
7.69	14.50	28.133	1.4492	********************
8.32	22.81	31.358	1.4964	********************
10.68	33.46	34.953	1.5435	**************************
11.93	45.38	38.961	1.5906	******************************
16.64	61.99	43.428	1.6378	********************************** --> 40
12.72	74.69	48.407	1.6849	**********************************
8.63	83.31	53.957	1.7320	**********************
7.69	90.99	60.144	1.7792	********************
4.71	95.69	67.039	1.8263	**********
1.57	97.26	74.726	1.8735	****
1.73	98.98	83.293	1.9206	****
0.00	98.98	92.843	1.9677	
0.63	99.61	103.488	2.0149	**
0.00	99.61	115.353	2.0620	
0.16	99.76	128.579	2.1092	
0.00	99.76	143.320	2.1563	
0.00	99.76	159.753	2.2034	
0.00	99.76	178.069	2.2506	
0.16	99.92	198.485	2.2977	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = ZN Unit = PPM N = 637
N CI = 29

Transform = Logarithmic Number of Populations = 1

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	39.739	-	28.817	100.00
	--	+	54.800	

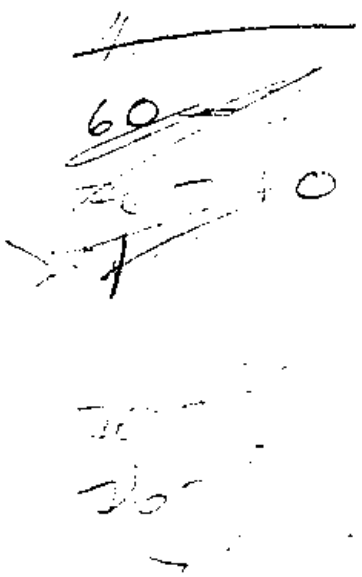
==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	20.897	75.570

##



SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	ZN	Unit =	PPM	N =	621
Mean =	1.6009	Min =	1.3222	1st Quartile =	1.5152
Std. Dev. =	0.1239	Max =	1.9191	Median =	1.6021
CV % =	7.7421	Skewness =	0.1124	3rd Quartile =	1.6812

Anti-Log Mean = 39.892 Anti-Log Std. Dev. : (-) 29.988
(+) 53.068

%	cum %	antilog	cls int	(# of bins = 24 - bin size = 0.0260)
0.00	0.08	20.382	1.3092	
0.48	0.56	21.637	1.3352	*
0.97	1.53	22.969	1.3611	**
2.74	4.26	24.383	1.3871	******
1.13	5.39	25.885	1.4130	***
4.67	10.05	27.479	1.4390	**********
5.64	15.68	29.171	1.4649	**********
3.38	19.05	30.967	1.4909	********
5.96	25.00	32.874	1.5168	**********
7.73	32.72	34.898	1.5428	**********
9.34	42.04	37.047	1.5687	**********
6.92	[illegible]	39.328	1.5947	**********
7.25	[illegible]	41.749	1.6206	**********
8.70	[illegible]	44.320	1.6466	**********
7.41	[illegible]	47.049	1.6725	**********
5.64	[illegible]	49.946	1.6985	**********
5.96	[illegible]	53.021	1.7245	**********
3.86	[illegible]	56.286	1.7504	*********
3.38	[illegible]	59.752	1.7764	********
2.74	[illegible]	63.431	1.8023	******
2.74	[illegible]	67.337	1.8283	******
0.97	[illegible]	71.483	1.8542	**
0.97	[illegible]	75.884	1.8802	**
1.13	[illegible]	80.557	1.9061	***
0.32	[illegible]	85.517	1.9321	*

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = ZN Unit = PPM N = 621
N CI = 24

Transform = Logarithmic Number of Populations = 1

# of Missing Observations = 0.

10 Observations Were Below the Minimum Value of 20.3140
6 Observations Were Above the Maximum Value of 92.8430

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	39.892	-	29.988	100.00
		+	53.068	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	22.543	70.595

##

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = SB Unit = PPM N = 637

Mean =	0.0055	Min =	0.0000	1st Quartile =	0.0000
Std. Dev. =	0.1163	Max =	2.9063	Median =	0.0000
CV % =	2112.3756	Skewness =	24.4233	3rd Quartile =	0.0000

Anti-Log Mean = 1.013 Anti-Log Std. Dev. : (-) 0.775
(+) 1.324

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.1038)
0.00	0.08	0.887	-0.0519	
99.53	99.45	1.127	0.0519	********** --> 240
0.00	99.45	1.431	0.1557	
0.00	99.45	1.818	0.2595	
0.31	99.76	2.308	0.3633	*
0.00	99.76	2.931	0.4671	
0.00	99.76	3.723	0.5709	
0.00	99.76	4.728	0.6747	
0.00	99.76	6.005	0.7785	
0.00	99.76	7.626	0.8823	
0.00	99.76	9.685	0.9861	
0.00	99.76	12.299	1.0899	
0.00	99.76	15.620	1.1937	
0.00	99.76	19.837	1.2975	
0.00	99.76	25.192	1.4013	
0.00	99.76	31.994	1.5051	
0.00	99.76	40.632	1.6089	
0.00	99.76	51.601	1.7127	
0.00	99.76	65.533	1.8165	
0.00	99.76	83.226	1.9203	
0.00	99.76	105.695	2.0241	
0.00	99.76	134.231	2.1279	
0.00	99.76	170.471	2.2317	
0.00	99.76	216.495	2.3354	
0.00	99.76	274.945	2.4392	
0.00	99.76	349.175	2.5430	
0.00	99.76	443.446	2.6468	
0.00	99.76	563.169	2.7506	
0.00	99.76	715.214	2.8544	
0.16	99.92	908.310	2.9582	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	CU	Unit =	PPM	N =	637
Mean =	1.3182	Min =	0.6990	1st Quartile =	1.2041
Std. Dev. =	0.1999	Max =	2.5198	Median =	1.3010
CV % =	15.1632	Skewness =	1.0186	3rd Quartile =	1.4150

Anti-Log Mean = 20.805 Anti-Log Std. Dev. : (-) 13.131
(+) 32.965

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.0650)
0.00	0.08	4.639	0.6665	
0.31	0.39	5.389	0.7315	*
0.00	0.39	6.259	0.7965	
0.31	0.71	7.270	0.8615	*
0.63	1.33	8.445	0.9266	**
0.94	2.27	9.809	0.9916	**
3.30	5.56	11.393	1.0566	********
9.11	14.66	13.233	1.1217	**********
9.73	24.37	15.371	1.1867	**********
12.24	36.60	17.854	1.2517	**********
16.48	53.06	20.738	1.3168	********** --> 40
17.74	70.77	24.088	1.3818	********** --> 43
6.75	77.51	27.978	1.4468	**********
9.11	86.60	32.498	1.5119	**********
5.02	91.61	37.747	1.5769	**********
2.04	93.65	43.844	1.6419	*****
1.88	95.53	50.927	1.7069	*****
0.94	96.47	59.153	1.7720	**
2.20	98.67	68.708	1.8370	*****
0.31	98.98	79.806	1.9020	*
0.16	99.14	92.697	1.9671	
0.31	99.45	107.671	2.0321	*
0.16	99.61	125.063	2.0971	
0.00	99.61	145.264	2.1622	
0.00	99.61	168.729	2.2272	
0.00	99.61	195.984	2.2922	
0.16	99.76	227.641	2.3573	
0.00	99.76	264.413	2.4223	
0.00	99.76	307.123	2.4873	
0.16	99.92	356.733	2.5523	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = CU Unit = PPM N = 637
N CI = 29

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	19.167	-	13.551	93.00
		+	27.112	
2	50.568	-	43.577	5.00
		+	58.681	
3	92.166	-	55.746	2.00
		+	152.381	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	9.580	38.350
2	37.552	68.095
3	33.718	251.934

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = CU Unit = PPM N = 637

Mean =	23.733	Min =	5.000	1st Quartile =	16.000
Std. Dev. =	19.180	Max =	331.000	Median =	20.000
CV % =	80.815	Skewness =	8.918	3rd Quartile =	26.000

%	cum %	cls int	(# of bins = 29 - bin size = 11.643)
0.00	0.08	-0.821	
3.61	3.68	10.821	*********
59.65	63.24	22.464	********** --> 144
25.43	88.64	34.107	********** --> 61
5.65	94.28	45.750	**********
1.88	96.16	57.393	*****
2.51	98.67	69.036	******
0.31	98.98	80.679	*
0.16	99.14	92.321	
0.00	99.14	103.964	
0.47	99.61	115.607	*
0.00	99.61	127.250	
0.00	99.61	138.893	
0.00	99.61	150.536	
0.00	99.61	162.179	
0.00	99.61	173.821	
0.00	99.61	185.464	
0.00	99.61	197.107	
0.00	99.61	208.750	
0.00	99.61	220.393	
0.16	99.76	232.036	
0.00	99.76	243.679	
0.00	99.76	255.321	
0.00	99.76	266.964	
0.00	99.76	278.607	
0.00	99.76	290.250	
0.00	99.76	301.893	
0.00	99.76	313.536	
0.00	99.76	325.179	
0.16	99.92	336.821	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	CU	Unit =	PPM	N =	637
Mean =	1.3182	Min =	0.6990	1st Quartile =	1.2041
Std. Dev. =	0.1999	Max =	2.5198	Median =	1.3010
CV % =	15.1632	Skewness =	1.0186	3rd Quartile =	1.4150

Anti-Log Mean = 20.805 Anti-Log Std. Dev. : (-) 13.131
(+) 32.965

%	cum %	antilog	cls int	(# of bins = 29 - bin size = 0.0650)
0.00	0.08	4.639	0.6665	
0.31	0.39	5.389	0.7315	*
0.00	0.39	6.259	0.7965	
0.31	0.71	7.270	0.8615	*
0.63	1.33	8.445	0.9266	**
0.94	2.27	9.809	0.9916	**
3.30	5.56	11.393	1.0566	********
9.11	14.66	13.233	1.1217	**********
9.73	24.37	15.371	1.1867	**********
12.24	36.60	17.854	1.2517	**********
16.48	53.06	20.738	1.3168	********** --> 40
17.74	70.77	24.088	1.3818	********** --> 43
6.75	77.51	27.978	1.4468	**********
9.11	86.60	32.498	1.5119	**********
5.02	91.61	37.747	1.5769	**********
2.04	93.65	43.844	1.6419	*****
1.88	95.53	50.927	1.7069	*****
0.94	96.47	59.153	1.7720	**
2.20	98.67	68.708	1.8370	*****
0.31	98.98	79.806	1.9020	*
0.16	99.14	92.697	1.9671	
0.31	99.45	107.671	2.0321	*
0.16	99.61	125.063	2.0971	
0.00	99.61	145.264	2.1622	
0.00	99.61	168.729	2.2272	
0.00	99.61	195.984	2.2922	
0.16	99.76	227.641	2.3573	
0.00	99.76	264.413	2.4223	
0.00	99.76	307.123	2.4873	
0.16	99.92	356.733	2.5523	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	CU	Unit =	PPM	N =	627
Mean =	1.3138	Min =	0.9031	1st Quartile =	1.2041
Std. Dev. =	0.1779	Max =	1.8976	Median =	1.3010
CV % =	13.5444	Skewness =	0.5731	3rd Quartile =	1.4150

Anti-Log Mean = 20.595 Anti-Log Std. Dev. : (-) 13.672
(+) 31.025

%	cum %	antilog	cls int	(# of bins = 20 - bin size = 0.0523)
0.00	0.08	7.532	0.8769	
0.64	0.72	8.497	0.9293	**
0.96	1.67	9.585	0.9816	**
1.44	3.11	10.813	1.0340	***
6.54	9.63	12.198	1.0863	***************
4.63	14.25	13.761	1.1386	**********
9.89	24.12	15.523	1.1910	**********
12.44	36.54	17.512	1.2433	**********
12.76	49.28	19.755	1.2957	**********
14.35	63.61	22.285	1.3480	**********
10.69	74.28	25.140	1.4004	**********
5.90	80.18	28.360	1.4527	**********
4.78	84.95	31.992	1.5050	**********
6.86	91.80	36.090	1.5574	**********
1.59	93.39	40.713	1.6097	****
1.75	95.14	45.928	1.6621	****
1.44	96.58	51.811	1.7144	***
0.80	97.37	58.448	1.7668	**
2.07	99.44	65.934	1.8191	*****
0.32	99.76	74.380	1.8715	*
0.16	99.92	83.907	1.9238	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = CU Unit = PPM N = 627
N CI = 20

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

4 Observations Were Below the Minimum Value of 7.2700
6 Observations Were Above the Maximum Value of 79.8060

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	19.321	-	13.838	93.70
		+	26.976	
2	53.225	-	44.486	6.30
		+	63.682	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	9.911	37.665
2	37.182	76.192

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AS	Unit =	PPM	N =	44
Mean =	5.136	Min =	2.000	1st Quartile =	3.000
Std. Dev. =	3.152	Max =	15.000	Median =	5.000
CV % =	61.364	Skewness =	1.363	3rd Quartile =	6.000

%	cum %	cls int	(# of bins = 17 - bin size = 0.813)
0.00	1.11	1.594	
22.73	23.33	2.406	**********
9.09	32.22	3.219	****
15.91	47.78	4.031	*******
0.00	47.78	4.844	
22.73	70.00	5.656	**********
11.36	81.11	6.469	*****
2.27	83.33	7.281	*
2.27	85.56	8.094	*
0.00	85.56	8.906	
0.00	85.56	9.719	
4.55	90.00	10.531	**
0.00	90.00	11.344	
6.82	96.67	12.156	***
0.00	96.67	12.969	
0.00	96.67	13.781	
0.00	96.67	14.594	
2.27	98.89	15.406	*

0 1 2 3 4

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = AS Unit = PPM N = 44
N CI = 17

Transform = Arithmetic Number of Populations = 2

# of Missing Observations = 0.

593 Observations Were Below the Minimum Value of 2.0000
0 Observations Were Above the Maximum Value of 20.0000

==========

Users Visual Parameter Estimates

Population	Mean	Std Dev	Percentage
1	4.375	2.059	90.00
2	11.833	1.835	10.00

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.257	8.493
2	8.164	15.503

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AS	Unit =	PPM	N =	27
Mean =	4.704	Min =	3.000	1st Quartile =	4.000
Std. Dev. =	1.068	Max =	7.000	Median =	5.000
CV % =	22.695	Skewness =	0.033	3rd Quartile =	5.000

%	cum %	cls int	(# of bins = 5 - bin size = 1.000)
0.00	1.79	2.500	
14.81	16.07	3.500	****
25.93	41.07	4.500	*******
37.04	76.79	5.500	**********
18.52	94.64	6.500	*****
3.70	98.21	7.500	*

0 1 2 3 4

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable =	AS	Unit =	PPM	N =	27
Mean =	0.6611	Min =	0.4771	1st Quartile =	0.6021
Std. Dev. =	0.1031	Max =	0.8451	Median =	0.6990
CV % =	15.5998	Skewness =	-0.4041	3rd Quartile =	0.6990

Anti-Log Mean = 4.582 Anti-Log Std. Dev. : (-) 3.614
(+) 5.810

%	cum %	antilog	cls int	(# of bins = 5 - bin size = 0.0920)
0.00	1.79	2.699	0.4311	
14.81	16.07	3.335	0.5231	****
25.93	41.07	4.122	0.6151	*******
37.04	76.79	5.095	0.7071	**********
18.52	94.64	6.297	0.7991	*****
3.70	98.21	7.782	0.8911	*

0 1 2 3 4

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = AS Unit = PPM N = 27
N CI = 5

Transform = Logarithmic Number of Populations = 1

# of Missing Observations = 0.

603 Observations Were Below the Minimum Value of 2.3130
7 Observations Were Above the Maximum Value of 7.5630

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	4.582	-	3.614	100.00
		+	5.810	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	2.850	7.367

##

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = AS Unit = PPM N = 27
N CI = 5

Transform = Logarithmic Number of Populations = 1

# of Missing Observations = 0.

603 Observations Were Below the Minimum Value of 2.3130
7 Observations Were Above the Maximum Value of 7.5630

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	4.582	-	3.614	100.00
		+	5.810	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	2.850	7.367

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AG	Unit =	PPM	N =	637
Mean =	1.122	Min =	0.100	1st Quartile =	0.800
Std. Dev. =	0.414	Max =	2.400	Median =	1.100
CV % =	36.890	Skewness =	0.091	3rd Quartile =	1.400

%	cum %	cls int	(# of bins = 29 - bin size = 0.082)
0.00	0.08	0.059	
0.94	1.02	0.141	**
0.47	1.49	0.223	*
0.78	2.27	0.305	**
0.00	2.27	0.387	
2.51	4.78	0.470	******
4.24	9.01	0.552	**********
4.24	13.24	0.634	**********
5.49	18.73	0.716	************
0.16	18.89	0.798	
6.75	25.63	0.880	*****************
8.63	34.25	0.963	**********************
9.58	43.81	1.045	************************
11.15	54.94	1.127	****************************
8.16	63.09	1.209	**********************
0.00	63.09	1.291	
7.85	70.92	1.373	*******************
6.44	77.35	1.455	*****************
6.12	83.46	1.538	*****************
5.81	89.26	1.620	**************
4.40	93.65	1.702	**********
0.00	93.65	1.784	
2.04	95.69	1.866	*****
1.88	97.57	1.948	*****
0.63	98.20	2.030	**
1.41	99.61	2.113	***
0.00	99.61	2.195	
0.16	99.76	2.277	
0.00	99.76	2.359	
0.16	99.92	2.441	

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = AG Unit = PPM N = 637
N CI = 29

Transform = Arithmetic Number of Populations = 1

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean	Std Dev	Percentage
1	1.122	0.414	100.00

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.294	1.950

##

##########

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = AG Unit = PPM N = 612
N CI = 18

Transform = Arithmetic Number of Populations = 2

# of Missing Observations = 0.

14 Observations Were Below the Minimum Value of 0.3050
11 Observations Were Above the Maximum Value of 2.0300

==========

Users Visual Parameter Estimates

Population	Mean	Std Dev	Percentage
1	0.894	0.231	60.00
2	1.465	0.212	40.00

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.431	1.356
2	1.041	1.888

##########

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AG	Unit =	PPM	N =	612
Mean =	1.125	Min =	0.400	1st Quartile =	0.900
Std. Dev. =	0.374	Max =	2.000	Median =	1.100
CV % =	33.223	Skewness =	0.098	3rd Quartile =	1.400

%	cum %	cls int	(# of bins = 18 - bin size = 0.094)
0.00	0.08	0.353	
2.61	2.69	0.447	******
4.41	7.10	0.541	**********
4.41	11.50	0.635	**********
5.72	17.21	0.729	************
7.19	24.39	0.824	*****************
8.99	33.36	0.918	**********************
9.97	43.31	1.012	************************
11.60	54.89	1.106	****************************
0.00	54.89	1.200	
8.50	63.38	1.294	********************
8.17	71.53	1.388	********************
6.70	78.22	1.482	****************
6.37	84.58	1.576	****************
6.05	90.62	1.671	**************
4.58	95.19	1.765	**********
2.12	97.31	1.859	*****
1.96	99.27	1.953	*****
0.65	99.92	2.047	**

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable =	AG	Unit =	PPM	N =	612
Mean =	1.125	Min =	0.400	1st Quartile =	0.900
Std. Dev. =	0.374	Max =	2.000	Median =	1.100
CV % =	33.223	Skewness =	0.098	3rd Quartile =	1.400

%	cum %	cls int	(# of bins = 17 - bin size = 0.100)
0.00	0.08	0.350	
2.61	2.69	0.450	******
4.41	7.10	0.550	**********
4.41	11.50	0.650	**********
5.72	17.21	0.750	************
7.19	24.39	0.850	******************
8.99	33.36	0.950	**********************
9.97	43.31	1.050	************************
11.60	54.89	1.150	****************************
8.50	63.38	1.250	********************
8.17	71.53	1.350	********************
6.70	78.22	1.450	****************
6.37	84.58	1.550	****************
6.05	90.62	1.650	**************
4.58	95.19	1.750	**********
2.12	97.31	1.850	*****
1.96	99.27	1.950	*****
0.65	99.92	2.050	**

0 1 2 3 4

Each "*" represents approximately 2.6 observations.

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = BEVSOIL.PPL

Variable = AG Unit = PPM N = 612
N CI = 17

Transform = Arithmetic Number of Populations = 1

# of Missing Observations = 0.

14 Observations Were Below the Minimum Value of 0.3050
11 Observations Were Above the Maximum Value of 2.0300

==========

Users Visual Parameter Estimates

Population	Mean	Std Dev	Percentage
1	1.125	0.374	100.00

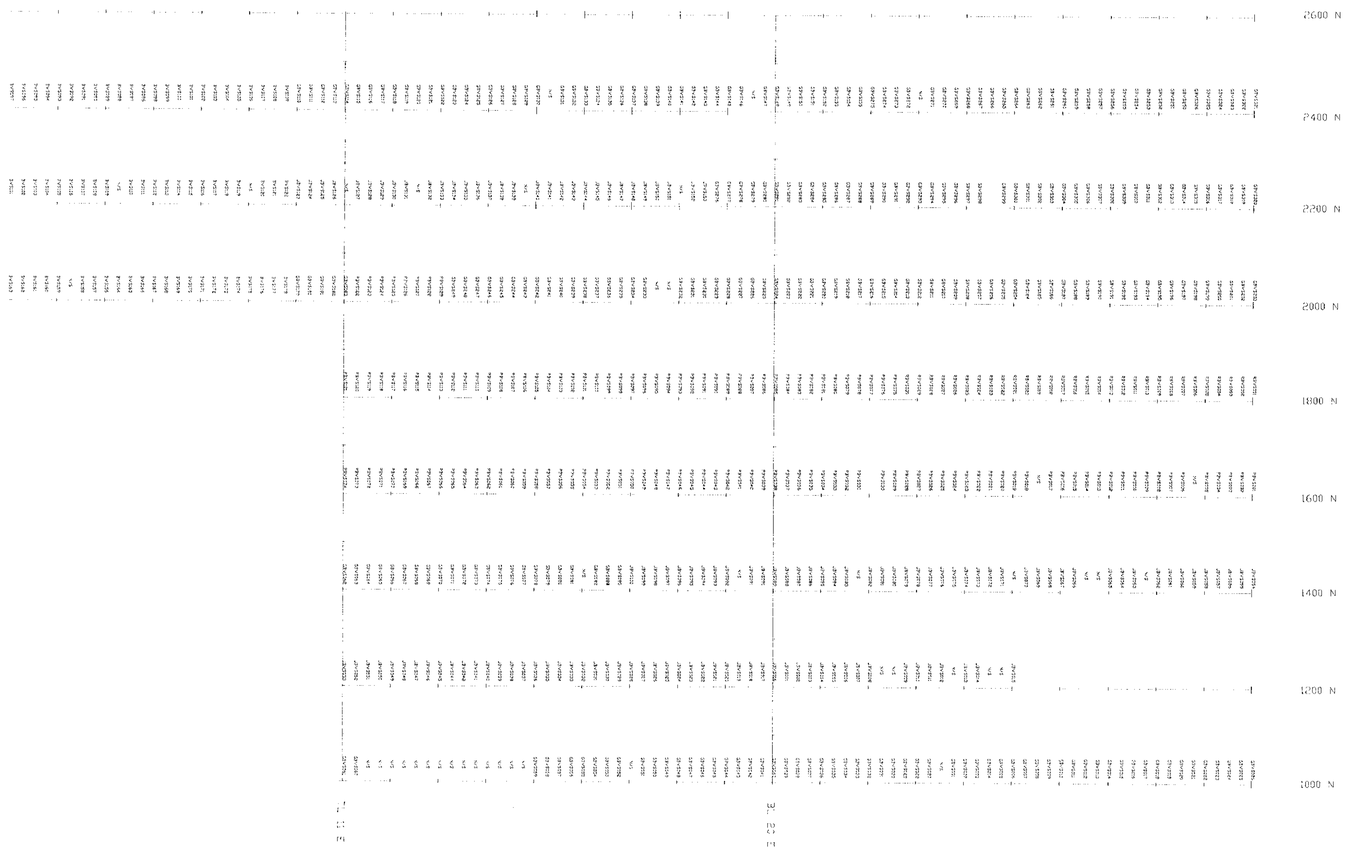
==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.378	1.873

##



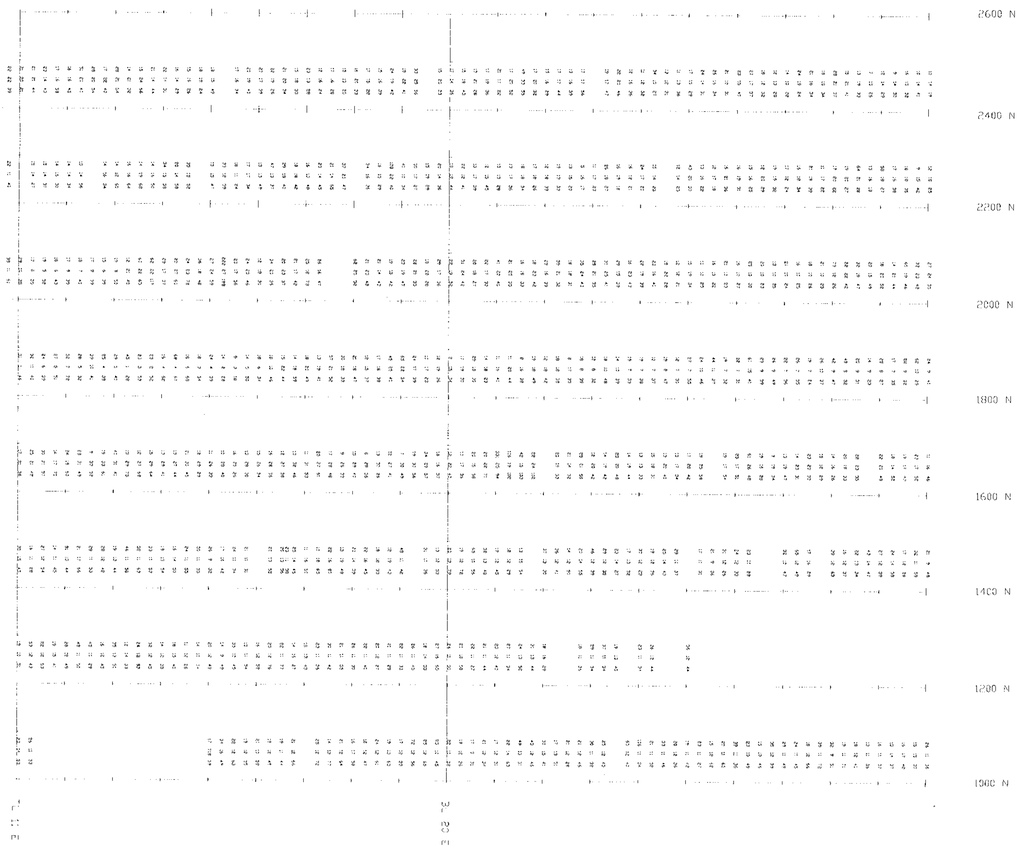
MINNOVA Inc.

MAP No. 3

BEV GROUP
SOIL GEOCHEMISTRY
SAMPLE LOCATIONS

DATE: FEBRUARY 1991
DRAWN BY: CJC/sg
N.T.S. 92P/8E
REVISED:

FILE: BEVGRID.DWG
SCALE: 1 : 5000
0 100 200m



21 11 31 Sample Location
Cu ppm, Pb ppm, Zn ppm

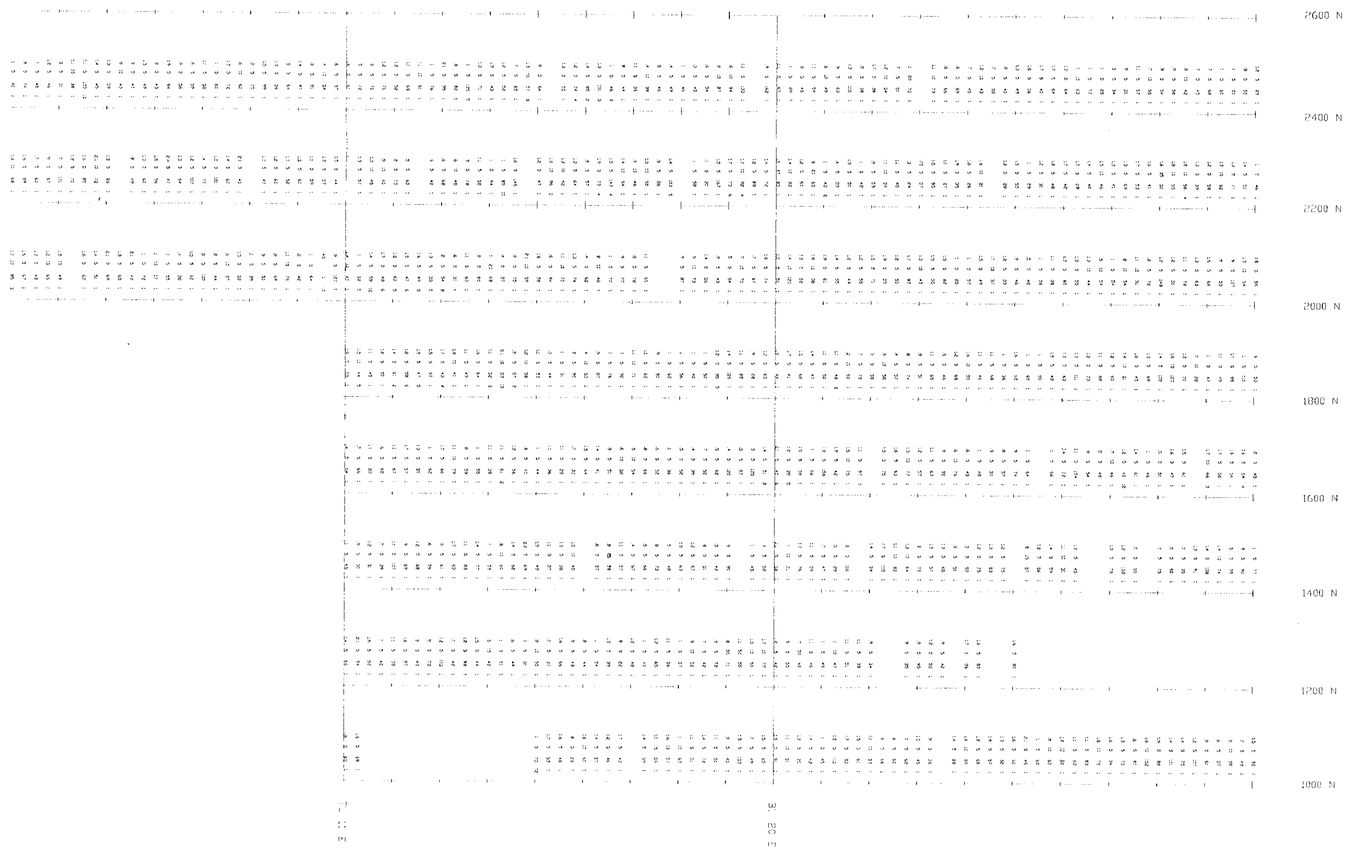
MINNOVA Inc.

MAP No. 4

BEV GROUP
SOIL GEOCHEMISTRY
Cu ppm,Pb ppm,Zn ppm

DATE: FEBRUARY 1991
DRAWN BY: CJC/sy
N.T.S. 92H/8E
REVISED:

FILE: GLVC8E0.DWG
SCALE: 1 : 5000
0 100 200m



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,226

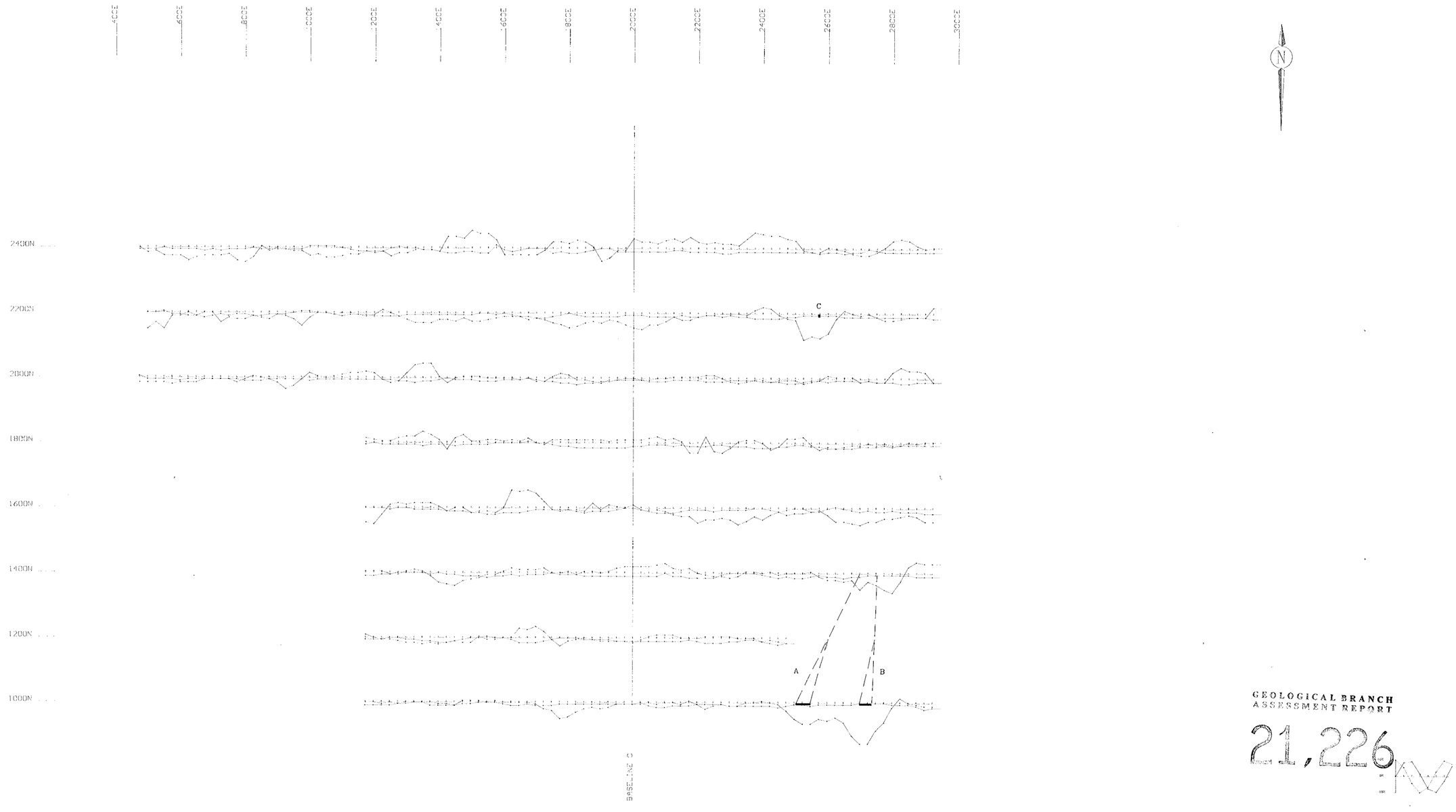
15 5 44 1 Sample Location
Ag ppm,Au ppb,Ba ppm,As ppm

MINNOVA Inc.

MAP No. 5

BEV GROUP
SOIL GEOCHEMISTRY
Ag ppm,Au ppb,Ba ppm,As ppm

DATE: FEBRUARY 1991
FILE: BEVGEO.DWG
DRAWN BY: CJC/sg
SCALE: 1 : 5000
N.T.S. 92P/9E
0 100 200m
REVISED:



N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,226

Instrument : GDA HEM II
Coil Spacing : 200m
Vertical Scale: 1 cm = 10%
Frequency : 444 Hz
In Phase :
Quadrature :

MAX-MIN ANOMALY

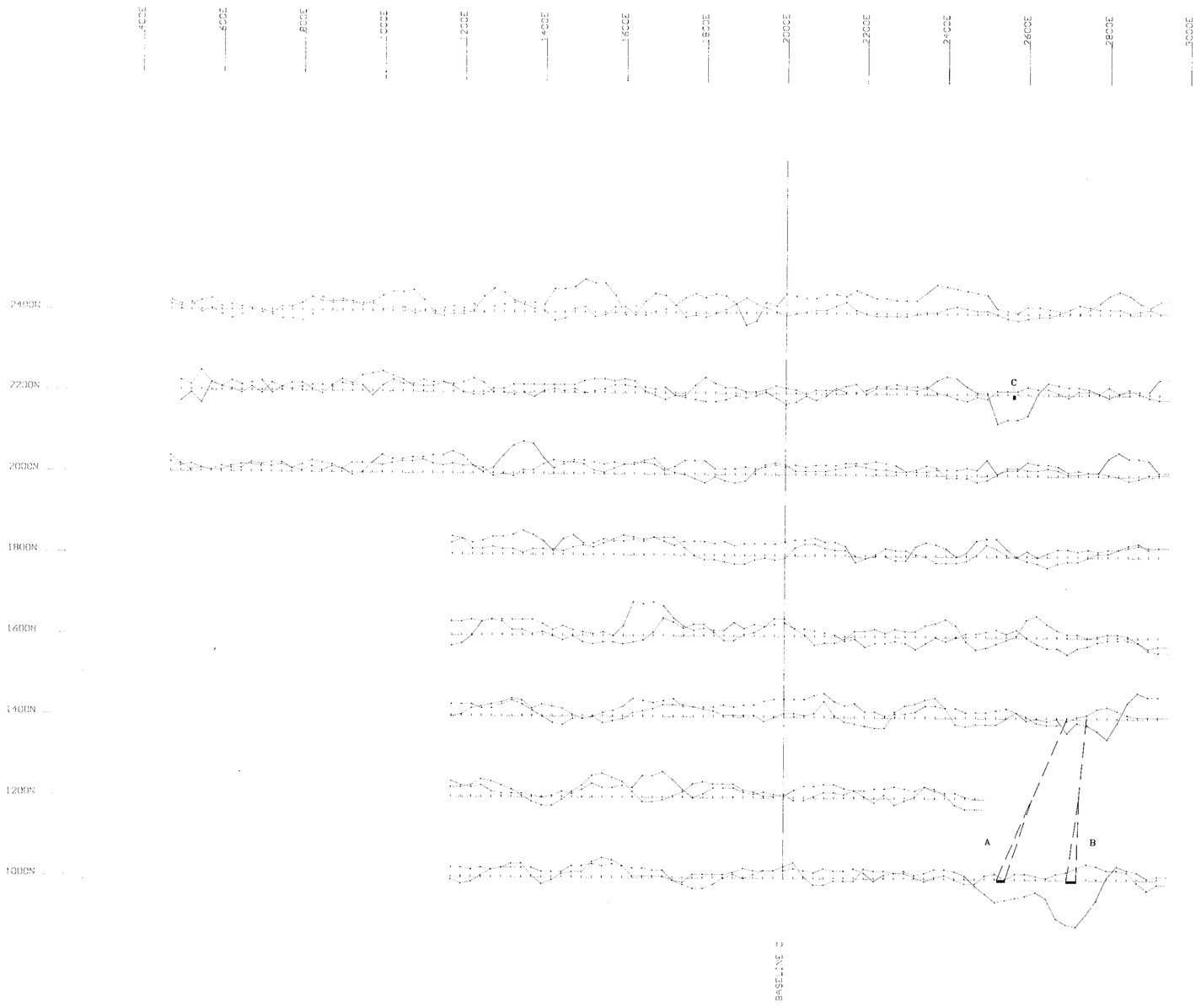
INFERRED CONDUCTOR AXIS

MINNOVA Inc. MAP No. 6

BEV GROUP

HLEM SURVEY
FREQ. 444 HERTZ

DRAWN BY: DH/sg
DATE: FEBRUARY 1991
FILE: BEV444.DWG
SCALE 1 : 5000
0 100 200m



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,226

Instrument : MAX-MIN II
Coil Spacing : 150m
Vertical Scale: 1 cm = 10%
Frequency : 444 Hz
In Phase :
Quadrature :

MAX-MIN ANOMALY

INFERRED CONDUCTOR AXIS

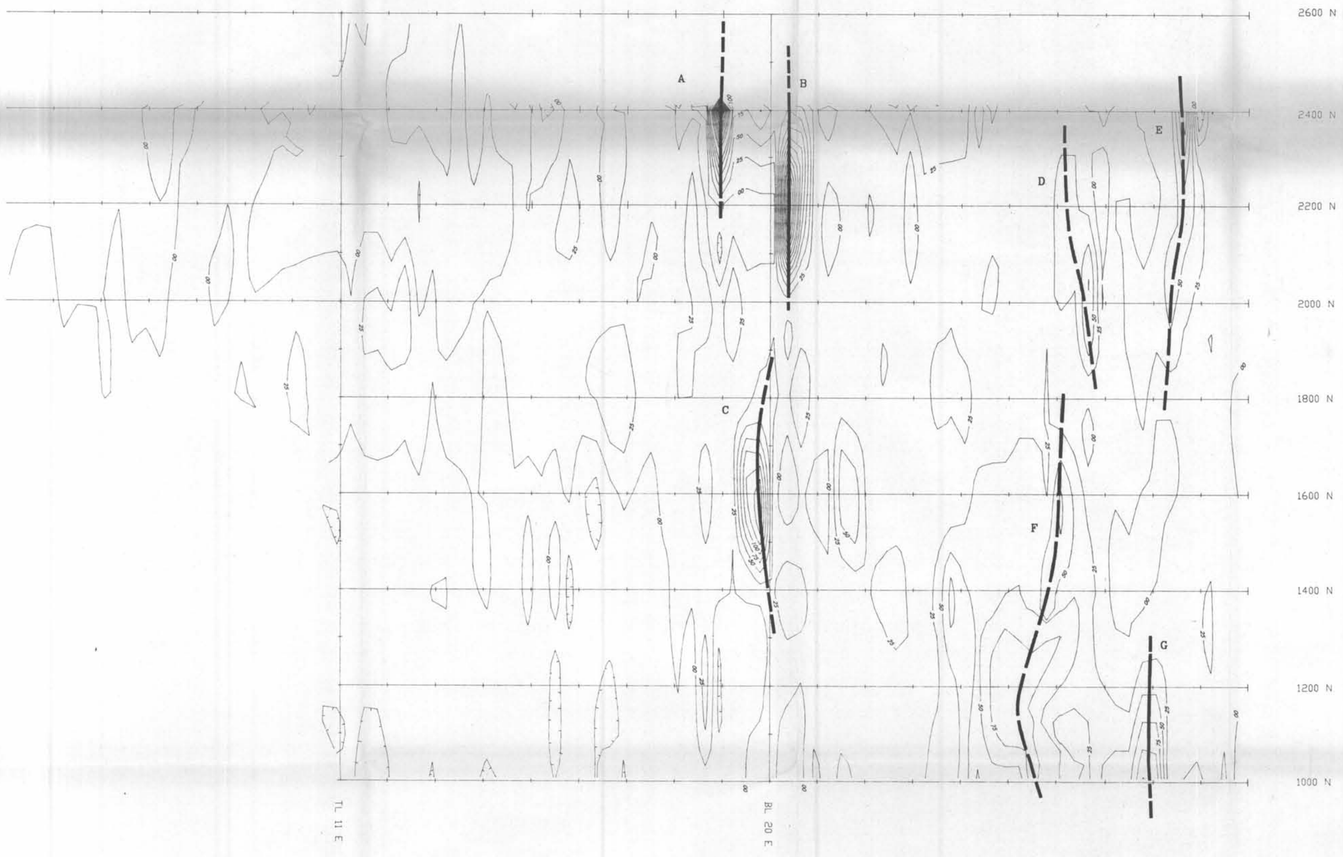
MINNOVA Inc.

MAP No. 7

BEV GROUP
HLEM SURVEY
FREQ. 1777 HERTZ

DRAWN BY: DH/sg
DATE: FEBRUARY 1991

FILE: BEV777.DWG
SCALE : 1 : 5000
0 100 200m



N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,226

MAG LOW

CONTOUR INTERVAL = 25 gammas

LINEAR MAGNETIC ANOMALY (APPROX,DEFINED)

MINNOVA Inc.	MAP No. 8
BEV GROUP MAGNETOMETER SURVEY	
DATE: FEBRUARY 1991	FILE: BEVGRID.DWG
DRAWN BY: CJC/sg	SCALE: 1 : 5000
N.T.S. 92P/8E	0 100 200m
REVISED:	