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**GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL  
ASSESSMENT REPORT ON THE  
VOLCANO & JASE CLAIMS**

Greenwood Mining Division

82E/7W

49° 27' North Latitude

118° 58' West Longitude

**SUB-RECORDER  
RECEIVED  
SEP 14 1988  
M.R. # ..... \$ .....  
VANCOUVER, B.C.**

for

**FILED**

Gordon Houliind & Robert Hart

by

**J. PAUL STEVENSON & ASSOCIATES**

**SUB-RECORDER  
RECEIVED  
FEB 6 1989  
M.R. # ..... \$ .....  
VANCOUVER, B.C.**

J. Paul Stevenson

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**17,789**

September 13, 1988

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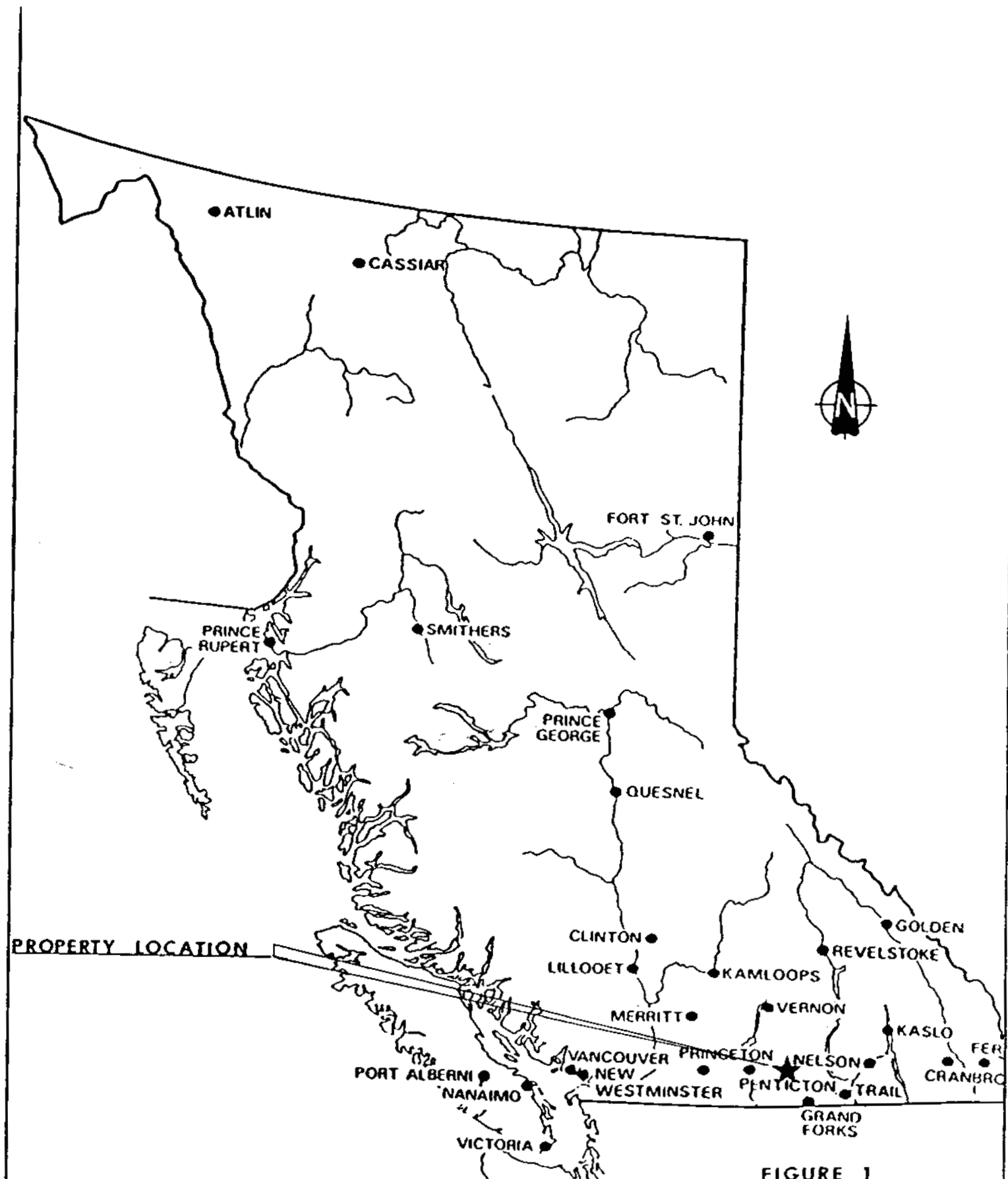
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*Other elements -- back of report.*



PROPERTY LOCATION

SCALE

1:8,000,000

FIGURE 1

LOCATION MAP

VOLCANO & JASE CLAIMS

NEW BRIDGE

DEVELOPMENT CORPORATION

DATE 14-04-88

### 1) SUMMARY AND CONCLUSIONS

The Volcano and Jase claims are located 7 Km north east from the operating silver, lead zinc mine of Teck Corporation at Beaverdell, B.C.

Limited exploration on the claims over the last 10 to 20 years has disclosed indications of lead, zinc, silver mineralization associated with quartz rich shear zones in limestone and altered metavolcanics near intrusive contacts.

Intrusive activity has resulted in a pervasive pyritization of the older metavolcanics, volcanics and sediments.

Positive results from the 1987 geochemical survey indicate a sizeable area in the SE corner of the claims that warrants further investigation for lead, zinc, silver and gold.

### 2) INTRODUCTION

This report has been prepared at the request of J.P. Stevenson and Associates Ltd. for New Bridge Development Corporation.

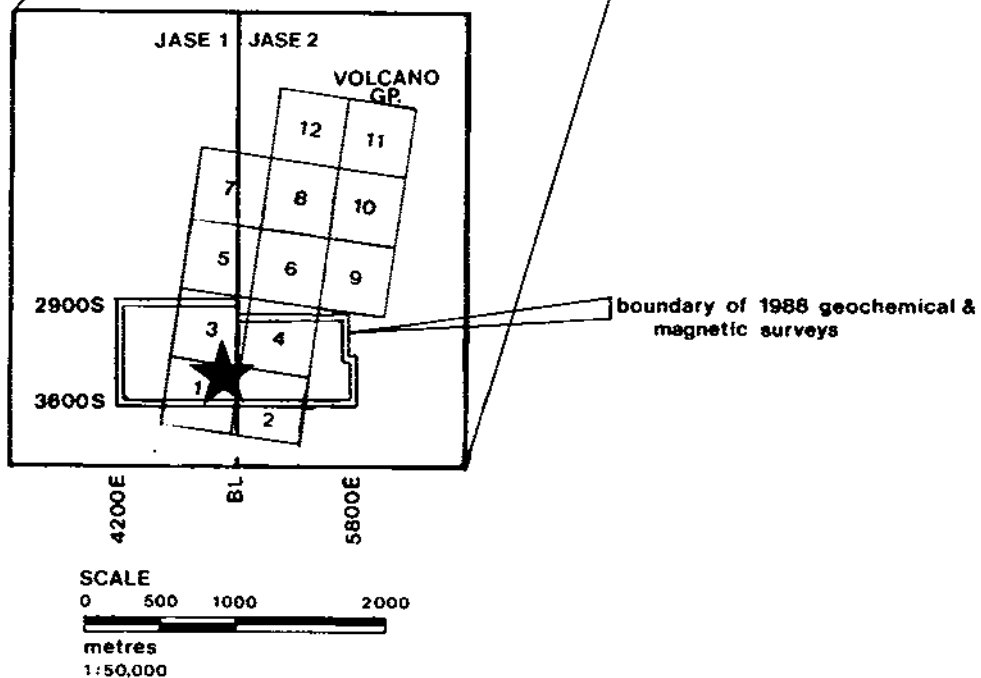
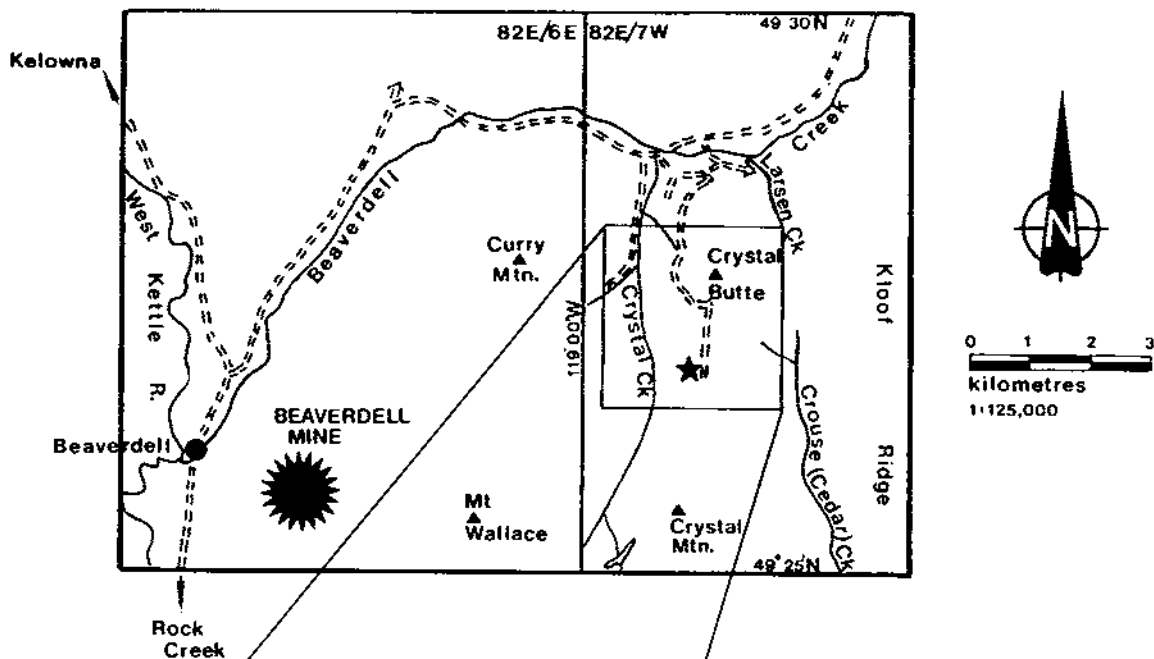
The writer examined the claims on May 1 and 8, 1988, and collected two samples for assay. The results of the survey completed as early as January, 1988, which included a magnetometer survey and soil sampling, were evaluated by J.P. Stevenson and his staff.

### 3) LOCATION, ACCESS AND PHYSIOGRAPHY

The subject property is located 100 Kms south of Kelowna, B.C. and 50 Kms north of the United States border. The approximate geographic centre of the claims is Lat. 49 degrees, 27 minutes; Long. 118 degrees, 58 minutes.

Access is by 10 Kms of all weather gravel road north east from the town of Beaverdell and then 4 Kms of old logging road to the centre of the claims.

Elevations range from 3500' (1067 m) at the NW corner of the claims to 4900' (1493 m) near the centre of the block. The terrain is moderate to steep and the area has been partially logged in the last 20 years.



★ main workings

VOLCANO & JASE CLAIMS	
NEW BRIDGE DEVELOPMENT CORPORATION	
<b>CLAIMS, GRID</b>	
LOCATIONS	
FIGURE 2	NTS 82E/7W
DATE 3-05-88	af

#### 4) CLAIMS

The property consists of the following claims:

<u>Claim</u>	<u># Units</u>	<u>Record #</u>	<u>Expiry Date</u>
Volcano 1	1	4652	August, 1993
Volcano 2	1	4653	August, 1993
Volcano 3	1	4654	August, 1993
Volcano 4	1	4655	August, 1993
Volcano 5	1	4656	August, 1993
Volcano 6	1	4657	August, 1993
Volcano 7	1	4658	August, 1993
Volcano 8	1	4659	August, 1993
Volcano 9	1	4722	September, 1993
Volcano 10	1	4723	September, 1993
Volcano 11	1	4724	September, 1993
Volcano 12	1	4725	September, 1993
Jase 1	18	5091	January, 1994
Jase 2	18	5092	January, 1994

New Bridge Development Corporation has an option to purchase the claims from the recorded: G. Houliand, Box 84, Beaverdell, B.C. & R. Hart, Site 5, Comp 53, R.R. #3, Kamloops, B.C.

#### 5) HISTORY

The claims lie 7 Kms at N 60 degrees E from the operating silver, lead zinc mine of Teck Corporation at Beaverdell.

Earliest recorded work in the district began with claim locations at the Beaverdell mine in 1896-1897. Production at the mainly "silver" mine began in 1900 and has continued to date.

Mineralization at Teck's Beaverdell Mine has an approximate N 60E degree trend. The subject claims are "on strike" with known mineralization although no connection is evident. Remains of a very old cabin are located near an area of old trenches which would indicate prospecting and some follow up work took place more than 50 years ago.

#### 6) REGIONAL GEOLOGY AND MINERALIZATION

The Beaverdell district has been mapped in detail by Reinecke in 1915 and published in GSC Memoir 79. GSC map 538A "Kettle River West Half" describes the geology more completely.

The district is underlain primarily by the West Kettle batholith of Jurassic age. This large intrusive body contains screens and roof pendants of the Permian Wallace Formation and has been intruded by the early Tertiary Beaverdell stock.

The Wallace Formation, now correlated with part of the Anarchist Group to the south, consists of metamorphosed andesitic tuffs and lavas, basic intrusions, hornfels, quartzite and minor limestone.

The West Kettle batholith ranges in composition from granodiorite to quartz diorite. It is generally a medium grained, massive rock containing both biotite and hornblende. Mafic minerals are usually highly chloritized in the vicinity of mineralized areas.

The Beaverdell stock occupies an area of about 1.5 square miles centred about the village of Beaverdell. It is highly chloritized, unfoliated, porphyritic quartz monzonite. It is characterized by large, pink orthoclase phenocrysts up to 8 centimetres in length. This stock has been dated at approximately 50 Ma, the same age as the bulk of the mineralization at Beaverdell, and is considered to be genetically related to it.

the veins which constitute the ore zones on the Teck ground are mineralized fissures which trend easterly in the western part of the camp and change direction to north-easterly as the contact with the Wallace Formation is approached. Dips are steep to moderate to the south or southeast. Mineralization locally extends into the Wallace Formation but these veins rapidly narrow and pinch out.

Most of the veins are consistent in appearance and mineralogy. The main metallic minerals are galena, sphalerite and pyrite in a gangue of quartz and lesser calcite. Other metallic minerals encountered are arsenopyrite, tetrahedrite, pyrargyrite, chalcopyrite, pyrrhotite, polybasite, acanthite and native silver.

Wall rock alteration in the form of chlorite, sericite and epidote is common as an envelope around the large veins. In places it may extend outward from each vein wall for as much as 20 feet. This green, generally chloritic alteration is referred to as "ore ground" and is an important prospecting aid at the mine.

## 7) PROPERTY GEOLOGY AND MINERALIZATION

Geological mapping of the Volcano and Jase claims (previously staked as the HK claims) was completed in 1981 by G. Allan, P. Eng., and filed as assessment report #10470. This mapping shows that the claims are underlain by similar lithologies to the Beavercell area 7 Km to the SW.

The central area shows a large granodiorite mass of the Nelson intrusion intruding the older "Wallace" formation which is composed of quartzitic metavolcanics, metasediments and limestone.

Intruding all rocks are a series of north/south trending andesite, porphyritic andesite, trachyandesite and monzo-diorite dykes showing varying degrees of chloritic and pyritic alteration.

Large gossanous are are present on the claims, and the whole claim group has the appearance of having undergone some degree of alteration and mineralization.

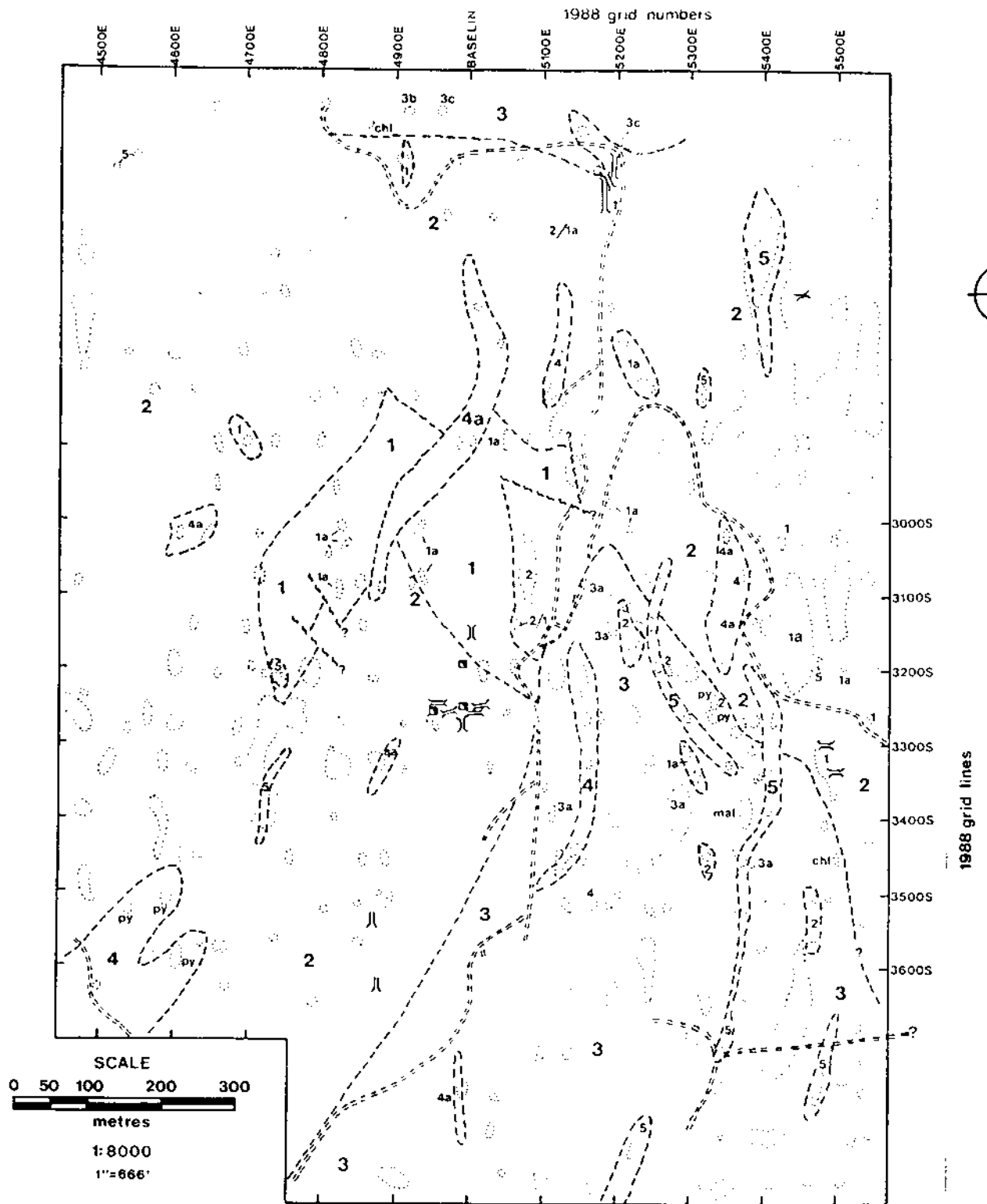
Pyrite is widespread in the Wallace formation and is a minor constituent in many of the mapped dykes.

Several trenches, adits and small shafts are located at approximately 5000E and 3250W, 4850E and 3550W, 4880E and 3650W, 5500E and 3350S, and 5200E and 2500W. The first three were put in on a number of quartz veins associated with shear zones. These quartz veins have a general north south orientation with steep dips to both east and west. They are irregularly mineralized with galena, sphalerite and traces of chalcopryite. Assays by J. McClintock, P.Eng. (1988) yielded the following values:

<u>Sampler</u>	<u>Width</u>	<u>Pb %</u>	<u>Zn %</u>	<u>Ag oz/ton</u>	<u>Au oz/ton</u>
McClintock	46 cm	.32	1.05	0.20	0.10
McClintock	grab	7.10	-	2.70	-

Areas of the property underlain by limy units of the Wallace formation have undergone various degrees of alteration and mineralization, especially in the vicinity of intrusive dykes. A heavy limonite coating on the limestone is apparent and many areas show silicification and heavy pyritization. Allan noted galena, sphalerite and chalcopryite in "shear zones in calc-silicate quartzose rock." Assays to date from limestone areas have generally been less than those reported above.





**LEGEND**

- |                                    |                 |
|------------------------------------|-----------------|
| 5 Monzo-Diorite                    | py pyrite       |
| 4 Andesite                         | mal malachite   |
| 4a porphyritic                     | chl chloritized |
| 3 Granodiorite                     | ○ outcrop       |
| 3a gneissic                        | — contact       |
| 3b silicified                      | ~ fault         |
| 3c gossanous                       | ∪ adit          |
| 2 Metasediments/<br>Metavolcanics? | ∩ trench        |
| 1 Limestone                        | ■ shaft         |
| 1a marblized                       | — road          |

<b>VOLCANO &amp; JASE CLAIMS</b>	
<b>NEW BRIDGE DEVELOPMENT CORPORATION</b>	
<b>GEOLOGY</b>	
adapted from G.Allan 1981 survey <b>AMENDED BY ALEX FRASER BSc</b>	
FIGURE <b>3</b>	NTS 82E/7W
DATE 3-05-88	af

## 8) GEOCHEMICAL AND GROUND MAGNETIC SURVEYS

A 14 line Km soil geochemical and ground magnetic survey over the south central area of the claims was completed during 1988. The results of the above survey are presented as Figure 4.

### a) Geochemistry

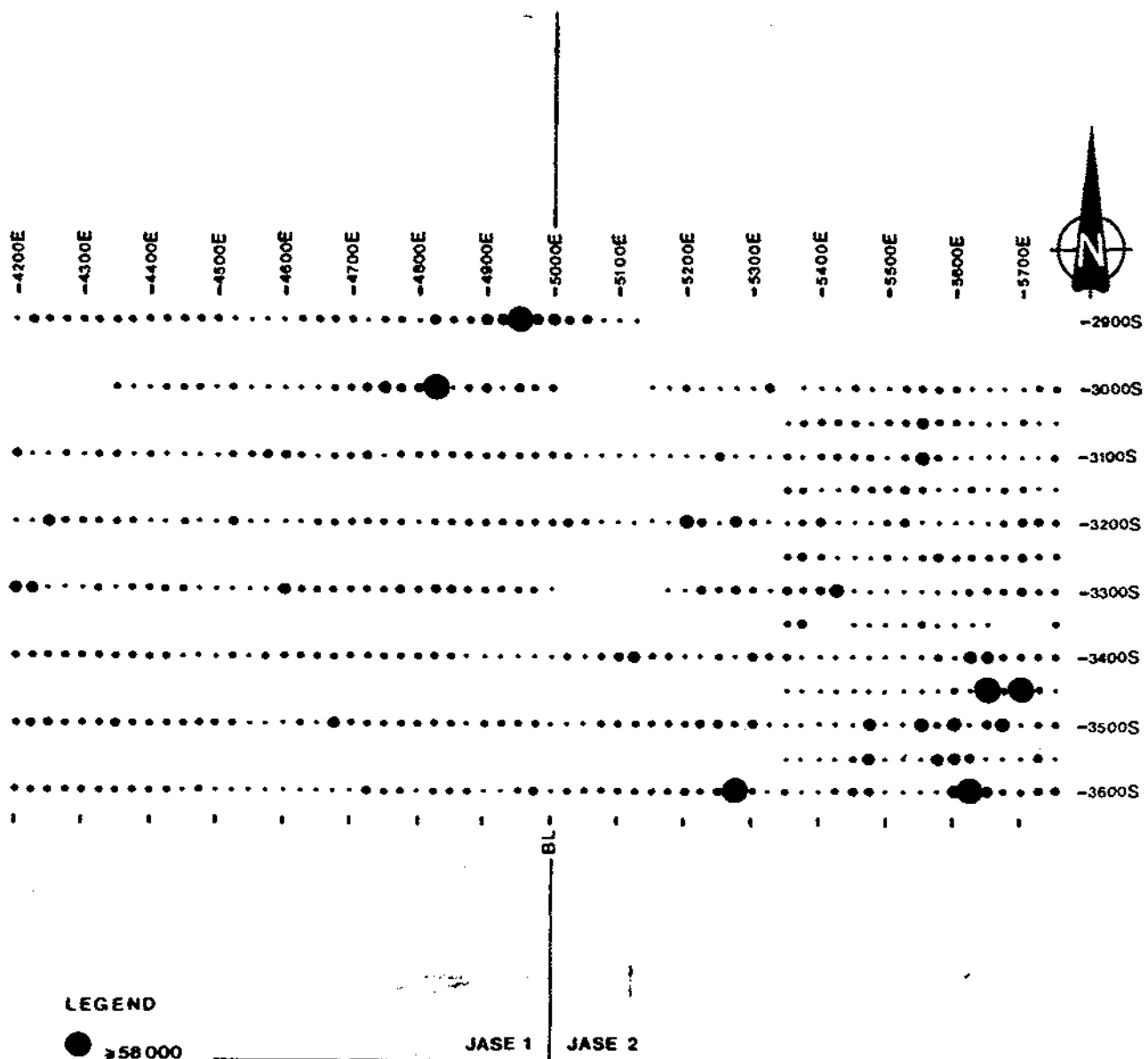
Geochemical analyses were conducted on 264 soil samples collected in December 1987. At each station, a sample of "B" horizon soil was collected at a 20 - 30 cm depth and placed into a numbered kraft paper envelope. The soil samples were forwarded to Acme laboratories in Vancouver. Each sample was analyzed for 29 elements plus gold by standard ICP analytical techniques.

The analytical results from the samples were statistically analyzed using frequency distribution histograms to determine the mean and anomalous level for each element analyzed.

The following elements are listed and their data plots included following this page due to their regional economic significance.

<u>Element</u>	<u>Mean</u>	<u>S.D.</u>	<u>Threshold Mean +1 S.D.</u>	<u>Anomalous Mean +2 S.D.</u>	<u>Highest Value</u>
Cu ppm	30	21	51	72	141
Pb ppm	23	30	53	83	340
Zn ppm	254	555	809	1364	1752
Ag ppm	0.4	0.3	0.7	1.0	3.2
Au ppb	3	6	9	15	64
As ppm	13	12	25	37	149

The most noteworthy results are for lead, zinc, arsenic and gold. Lead and zinc are anomalous in a grouping in the SE corner of the grid over an area of 600 meters by 300 meters with a general NW/SE orientation. Gold and arsenic occur to the north and flanking the lead/zinc anomaly. The lack of a correlating silver anomaly is not unexpected, for even if it were present, silver has very poor dispersion characteristics in this area. It is interesting to note, however, the highest silver value of 3.2 ppm occurs near the centre of the lead/zinc anomaly.



**LEGEND**

- ≥ 58 000
- < 58 000
- < 57 750
- < 57 500
- < 57 250
- < 57 000

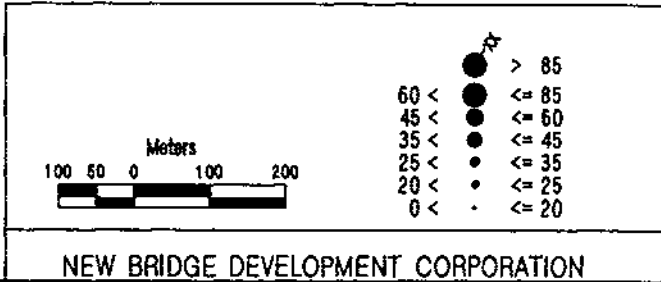
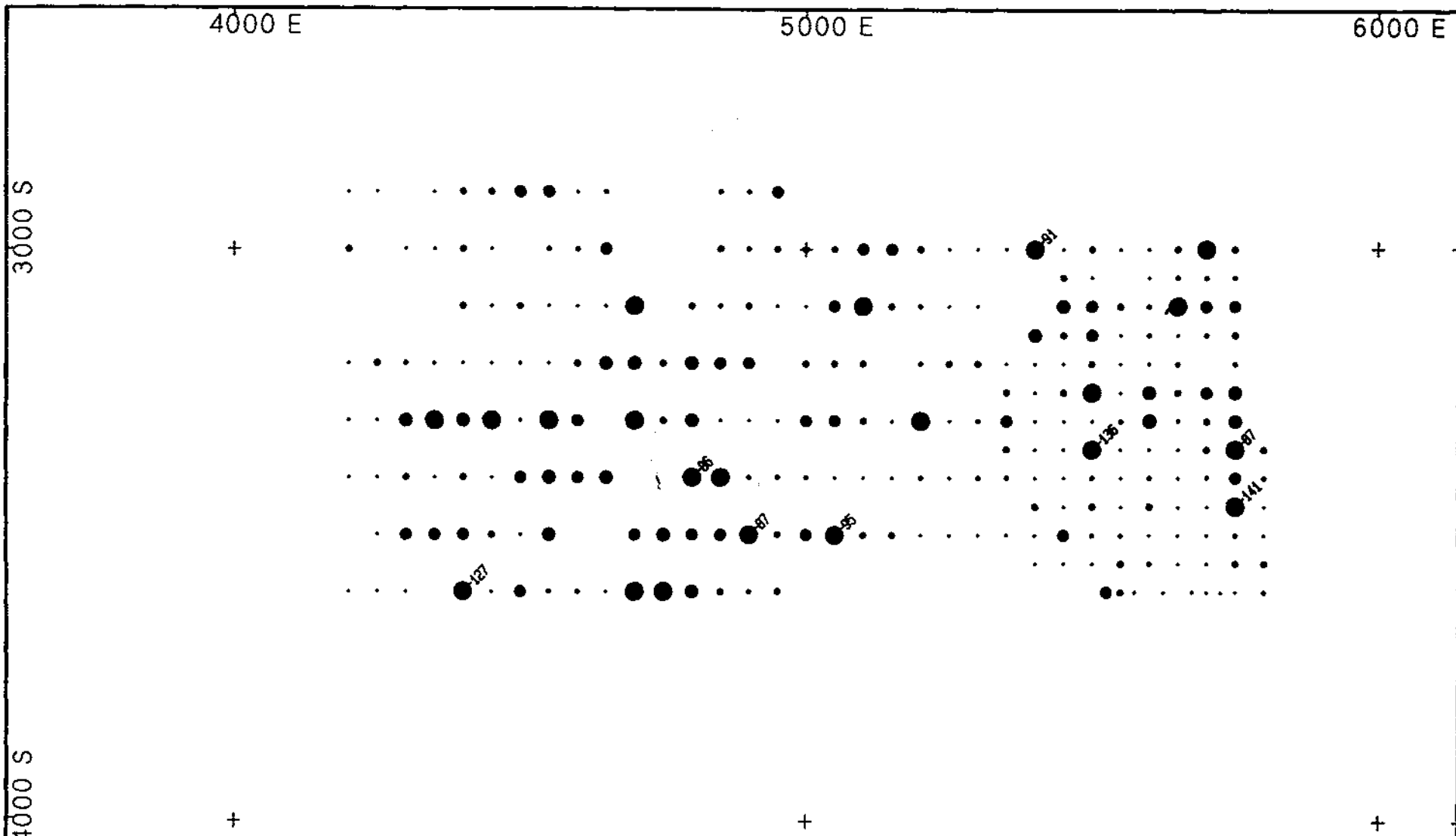
gammas

**SCALE**



1:10,000

VOLCANO & JASE CLAIMS	
NEW BRIDGE DEVELOPMENT CORPORATION	
<b>MAGNETIC</b> SURVEY	
FIGURE 4	NTS 82E/7W
DATE 20-04-88	21

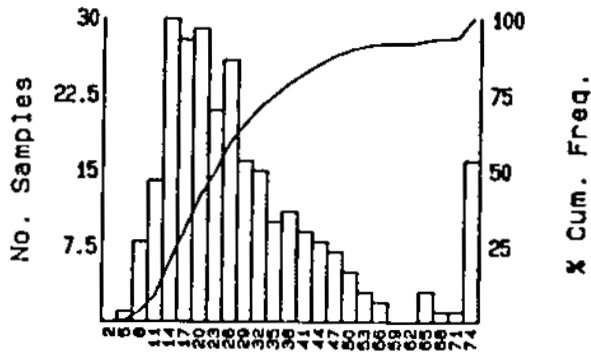


<b>COPPER</b> (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/TW	Scale 1:10000
Date APRIL 1988	Report No.	Fig. No. 6

NEW BRIDGE DEVELOPMENT CORPORATION

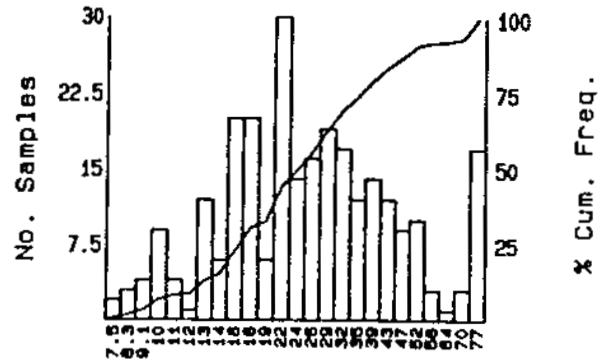
# COPPER (ppm)

### TRUNCATED ARITHMETIC



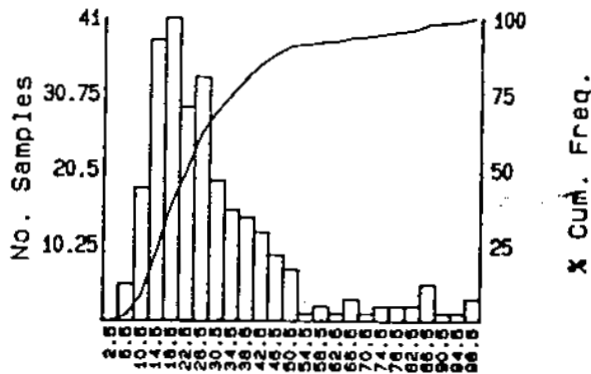
Concentration  
 Mean = 25.74  
 SD = 12.176

### TRUNCATED LOGARITHMIC



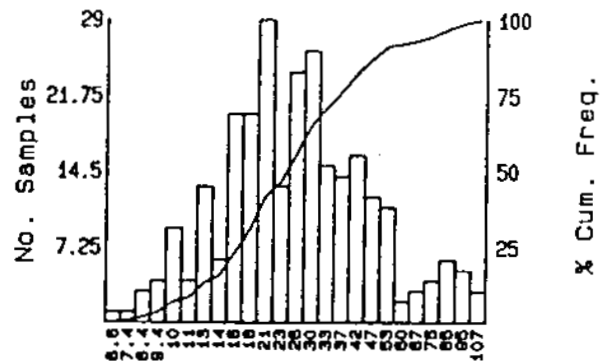
Concentration  
 Mean = 23.124  
 SD = .211

### ARITHMETIC



Concentration  
 Mean = 30.155  
 SD = 20.869

### LOGARITHMIC



Concentration  
 Mean = 25.235  
 SD = .251

Number Samples = 264  
 Minimum Value = 6  
 Maximum Value = 141

#### SUBSET CRITERIA

Property Code (s) = [ ] East North  
 Sample Type (s) = [ ]  
 Lab. Code (s) = [ ]

## 1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

APRIL 1988

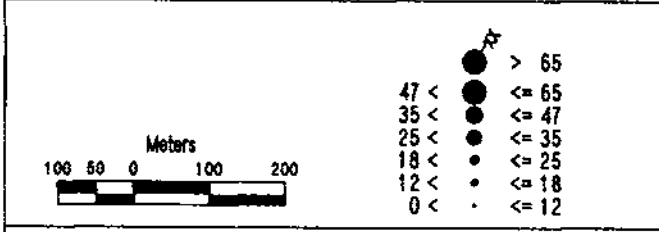
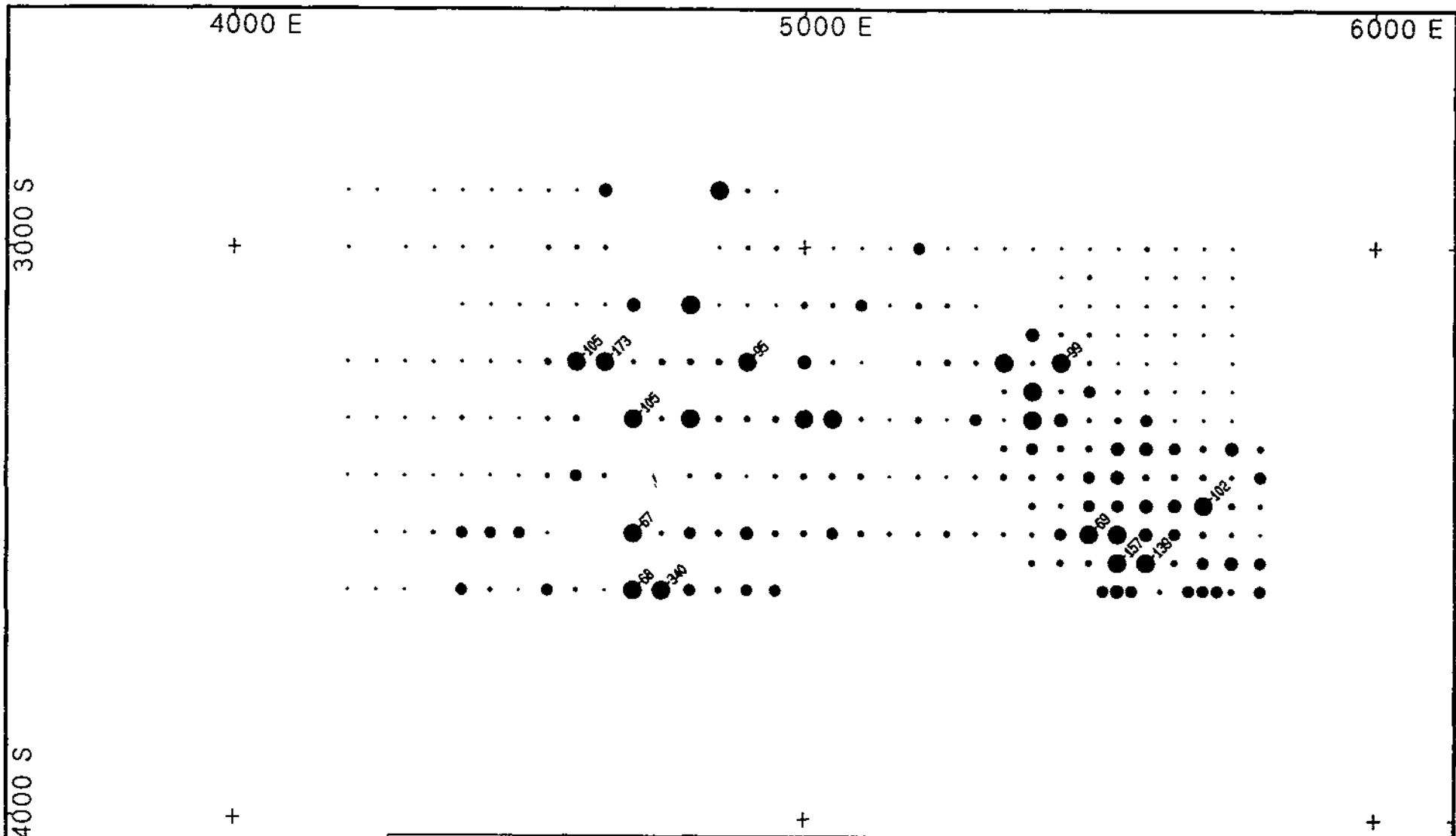
Report No.

N.T.S.

82E/7W

Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION

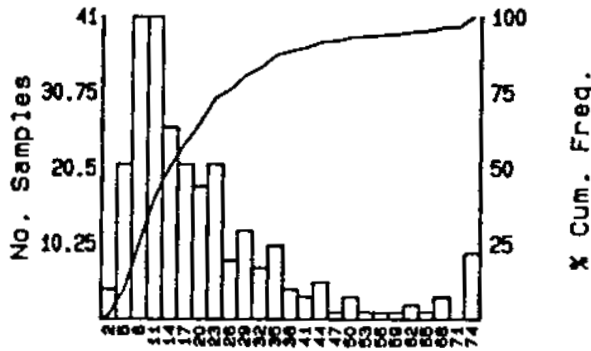


<b>LEAD</b> (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/TW	Scale 1:10000
Date APRIL 1988	Report No.	Fig. No. 7

NEW BRIDGE DEVELOPMENT CORPORATION

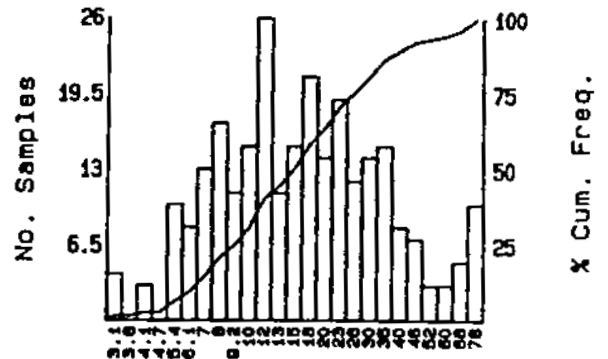
# LEAD (ppm)

### TRUNCATED ARITHMETIC



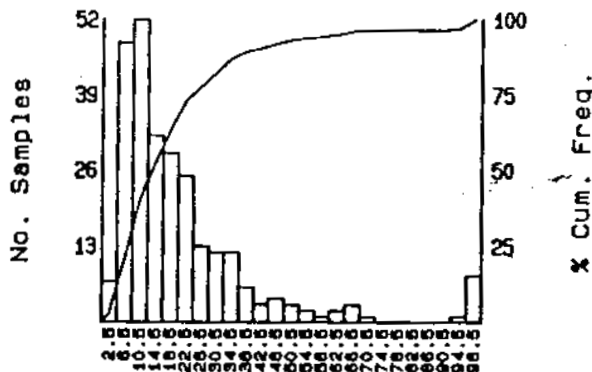
Concentration  
 Mean = 18.89  
 SD = 13.44

### TRUNCATED LOGARITHMIC



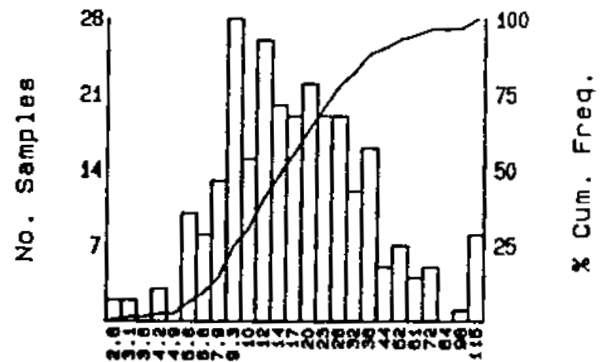
Concentration  
 Mean = 14.764  
 SD = .291

### ARITHMETIC



Concentration  
 Mean = 23.227  
 SD = 29.906

### LOGARITHMIC



Concentration  
 Mean = 16.194  
 SD = .341

Number Samples = 264  
 Minimum Value = 2  
 Maximum Value = 340

#### SUBSET CRITERIA

Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

## 1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

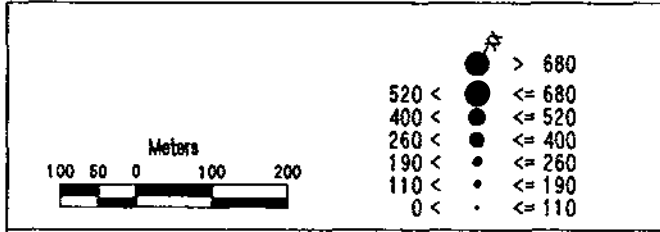
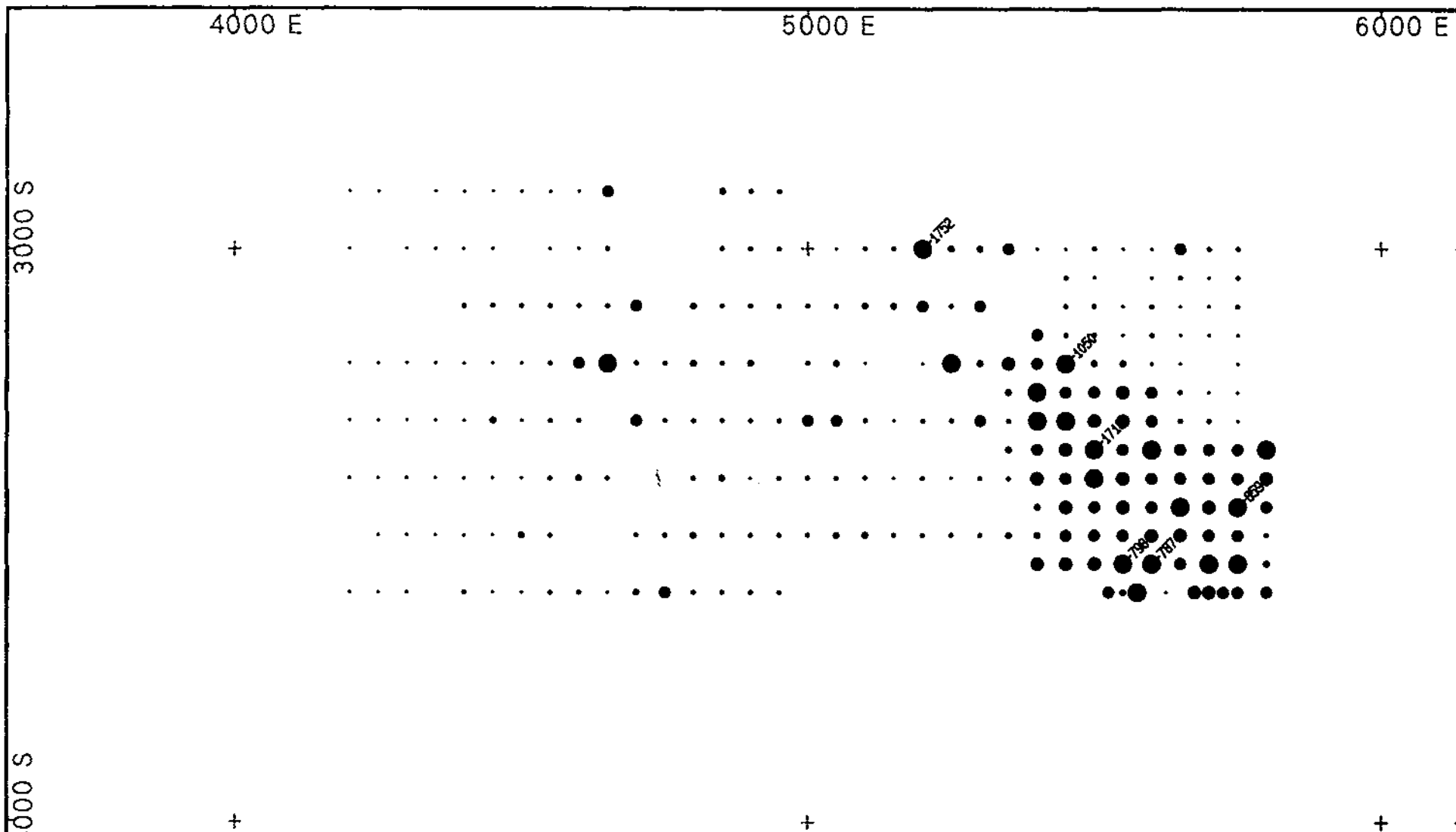
N.T.S.

Fig. No.

APRIL 1988

82E/TW

NEW BRIDGE DEVELOPMENT CORPORATION



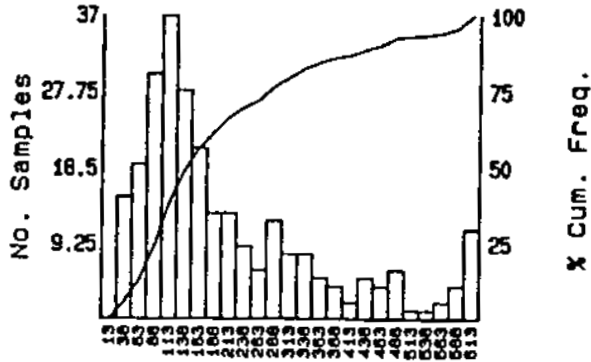
<b>ZINC</b> (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/7W	Scale 1 : 10000
Date APRIL 1988	Report No.	Fig. No. 8

NEW BRIDGE DEVELOPMENT CORPORATION



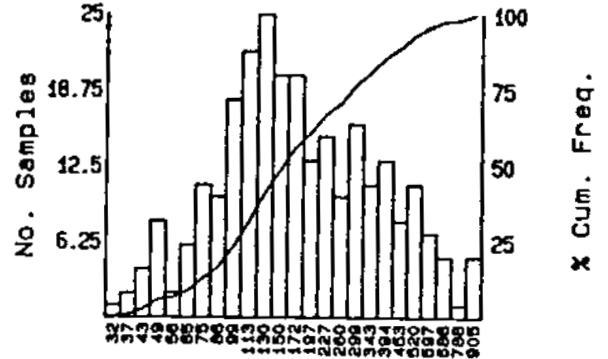
ZINC (ppm)

TRUNCATED ARITHMETIC



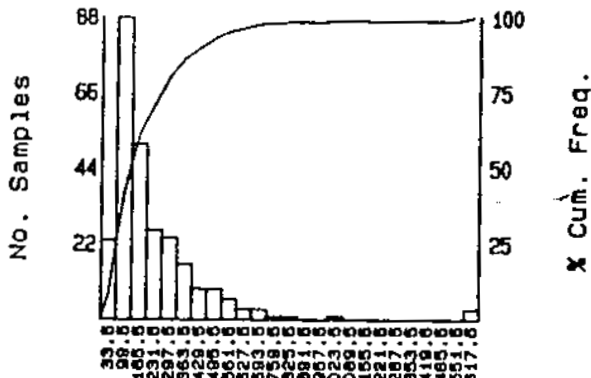
Mean = 211.157  
SD = 162.488

TRUNCATED LOGARITHMIC



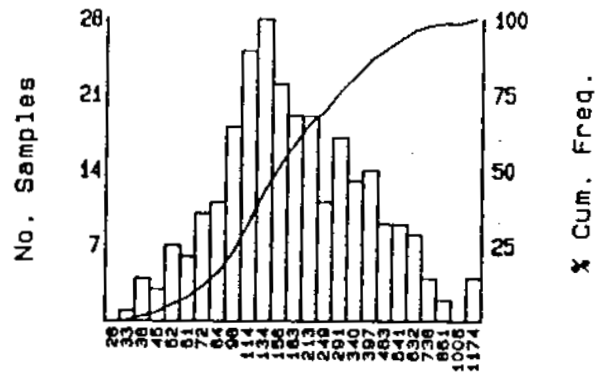
Mean = 160.744  
SD = .3

ARITHMETIC



Mean = 254.443  
SD = 555.773

LOGARITHMIC



Mean = 169.373  
SD = .336

Number Samples = 264  
Minimum Value = 32  
Maximum Value = 8591

SUBSET CRITERIA

Property Code (s) =  East North  
Sample Type (s) =   
Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

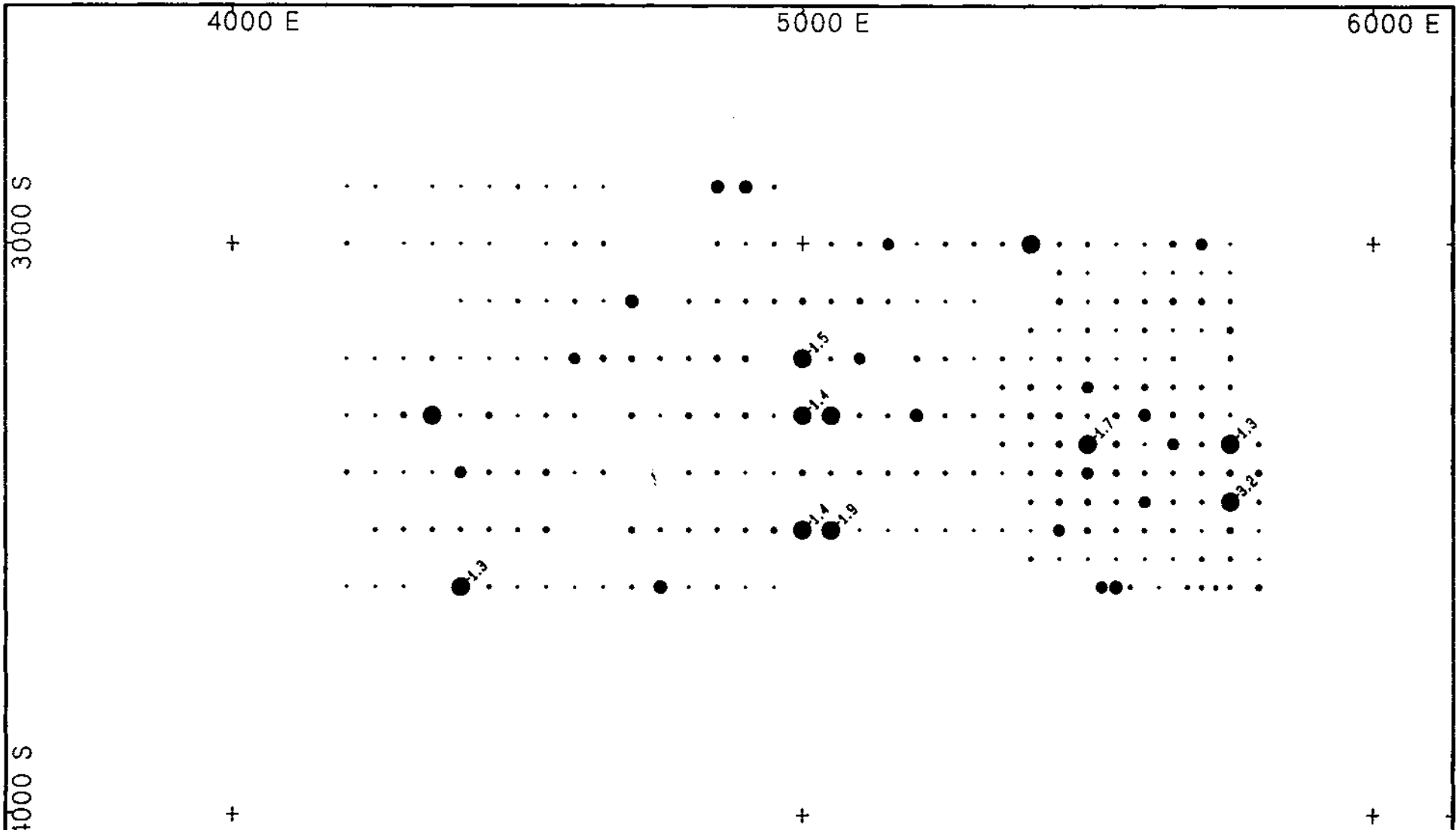
N.T.S.

Fig. No.

APRIL 1988

82E/7W

NEW BRIDGE DEVELOPMENT CORPORATION



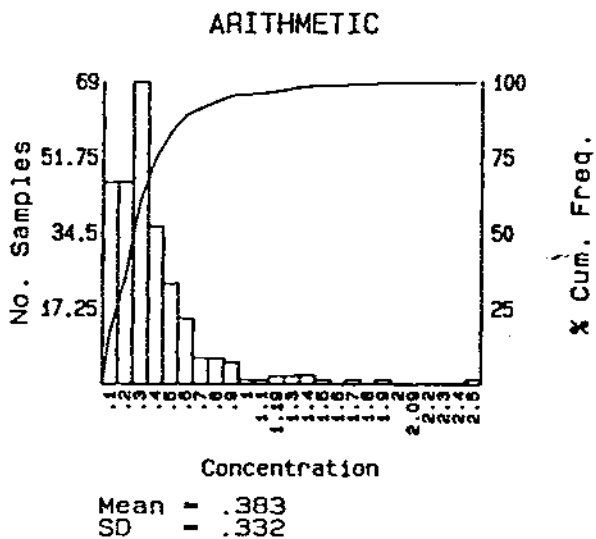
Meters  
100 50 0 100 200

1 <	●	> 12
.8 <	●	≤ 12
.6 <	●	≤ 1
.4 <	●	≤ .8
.2 <	●	≤ .6
0 <	●	≤ .4
	●	≤ .2

NEW BRIDGE DEVELOPMENT CORPORATION

<b>SILVER</b> (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/TW	Scale 1:10000
Date APRIL 1988	Report No.	Fig. No. 9

SILVER (ppm)



Number Samples = 264  
Minimum Value = .1  
Maximum Value = 3.2

SUBSET CRITERIA

Property Code (s) =  East North  
Sample Type (s) =   
Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

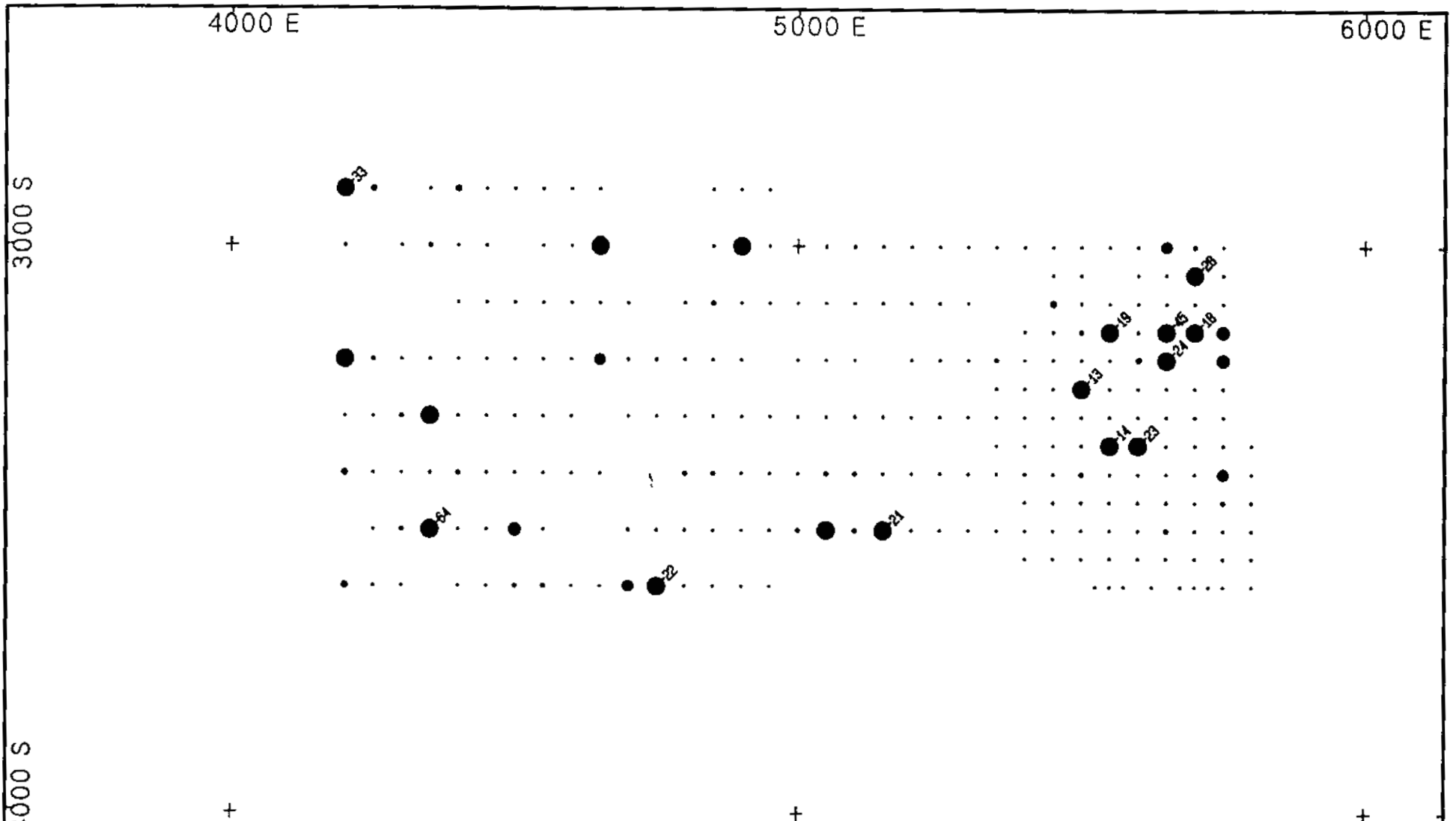
N.T.S.

Fig. No.

APRIL 1988

82E/7W

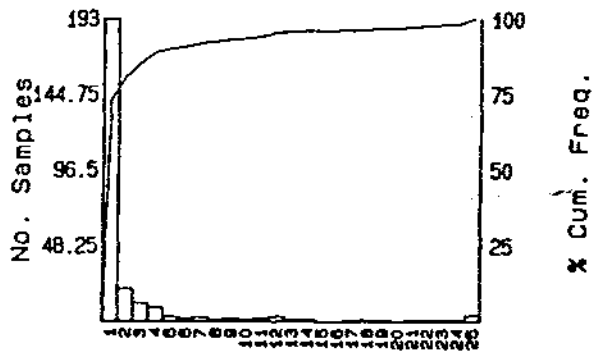
NEW BRIDGE DEVELOPMENT CORPORATION



	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: black; border-radius: 50%;"></span> &gt; 12</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: black; border-radius: 50%;"></span> &lt;= 12</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: black; border-radius: 50%;"></span> &lt;= 10</li> <li><span style="display: inline-block; width: 8px; height: 8px; background-color: black; border-radius: 50%;"></span> &lt;= 8</li> <li><span style="display: inline-block; width: 6px; height: 6px; background-color: black; border-radius: 50%;"></span> &lt;= 6</li> <li><span style="display: inline-block; width: 4px; height: 4px; background-color: black; border-radius: 50%;"></span> &lt;= 4</li> <li><span style="display: inline-block; width: 2px; height: 2px; background-color: black; border-radius: 50%;"></span> &lt;= 2</li> </ul>	<b>GOLD</b> (ppb)	
		VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY	
Project No.	NTS	Scale	1:10000
Date	APRIL 1988	Report No.	82E/TW Fig. No. <b>10</b>
NEW BRIDGE DEVELOPMENT CORPORATION			

GOLD (ppb)

ARITHMETIC



Concentration

Mean = 2.928  
SD = 6.359

Number Samples = 264  
Minimum Value = 1  
Maximum Value = 64

SUBSET CRITERIA

Property Code (s) - [] East North  
Sample Type (s) - []  
Lab. Code (s) - []

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

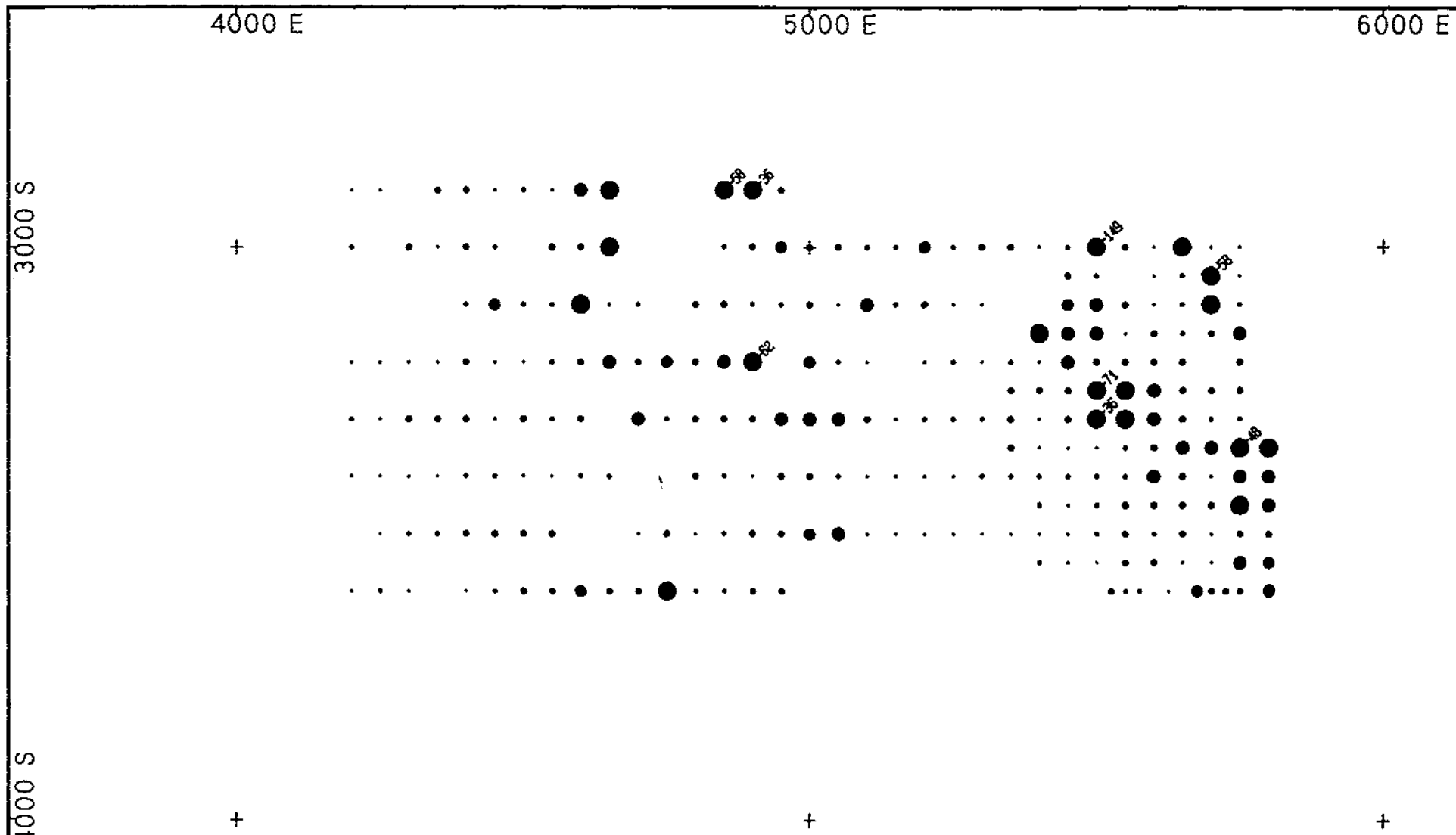
NTS.

Fig. No.

APRIL 1988

82E/TW

NEW BRIDGE DEVELOPMENT CORPORATION

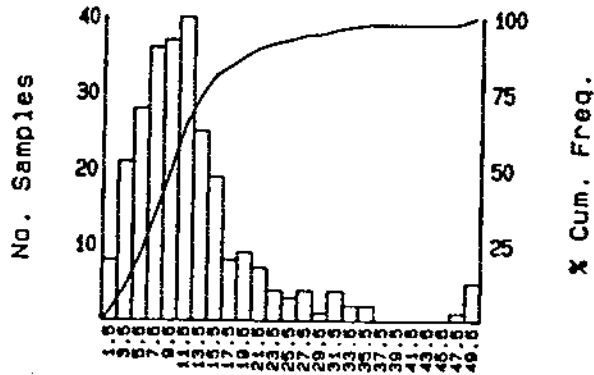


<p>Meters</p>	<p>● &gt; 35</p> <p>● ≤ 35</p> <p>● ≤ 25</p> <p>● ≤ 18</p> <p>● ≤ 15</p> <p>● ≤ 10</p> <p>● ≤ 7</p>
<p>NEW BRIDGE DEVELOPMENT CORPORATION</p>	

<p><b>ARSENIC</b> (ppm)</p> <p>VOLCANO GROUP</p> <p>BEAVERDELL - B.C.</p> <p>1987 SOIL GEOCHEMISTRY</p>		
Project No.	NTS 82E/TW	Scale 1:10000
Date APRIL 1988	Report No.	Fig. No. II

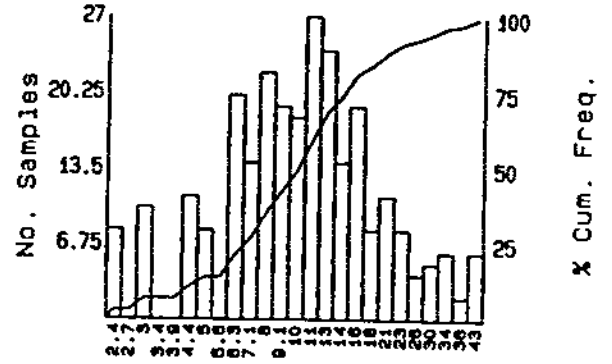
# ARSENIC (ppm)

### TRUNCATED ARITHMETIC



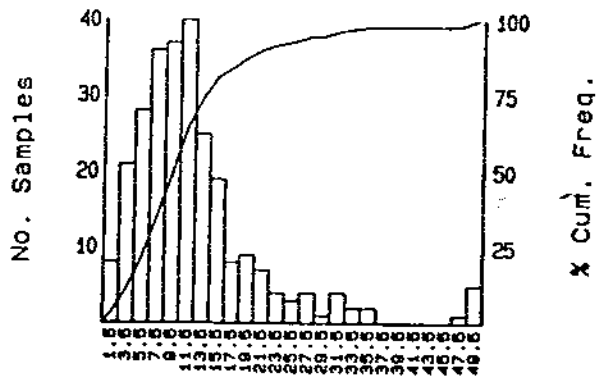
Mean = 11.418  
SD = 6.472

### TRUNCATED LOGARITHMIC



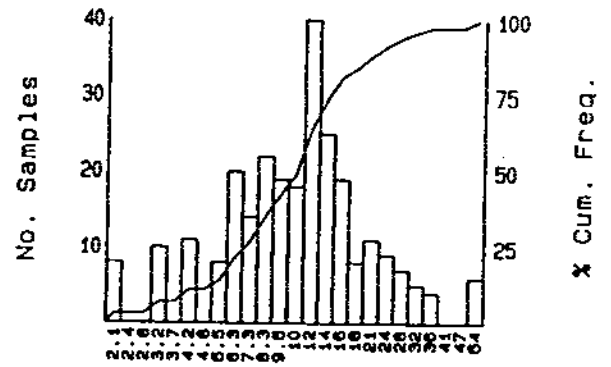
Mean = 9.691  
SD = .261

### ARITHMETIC



Mean = 13.034  
SD = 12.624

### LOGARITHMIC



Mean = 10.234  
SD = .292

Number Samples = 264  
Minimum Value = 2  
Maximum Value = 149

#### SUBSET CRITERIA

Property Code (s) = [ ] East North  
Sample Type (s) = [ ]  
Lab. Code (s) = [ ]

## 1987 SOIL GEOCHEMISTRY

### BEAVERDELL - B.C.

Project Name

### VOLCANO GROUP

Project Code

Date

APRIL 1988

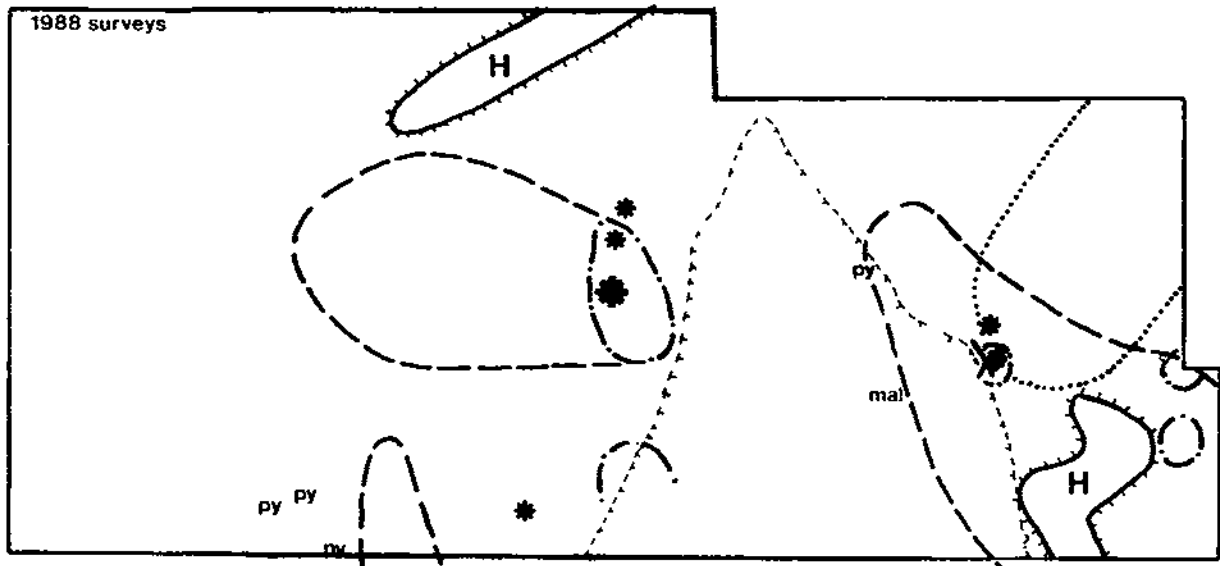
Report No.

N.T.S.

82E/TW

Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION



**LEGEND**

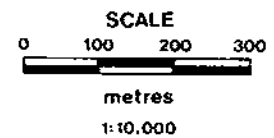
- Selected Generalized Soil Geochemistry Anomalies**
- Gold
  - Silver
  - Lead

**Selected Geophysics**

- Magnetic High

**Selected Geology**

- granodiorite
- py -pyrite
- mal -malachite
- workings



VOLCANO & JASE CLAIMS	
NEW BRIDGE DEVELOPMENT CORPORATION	
SOIL GEOCHEMISTRY GEOCHEMISTRY GEOLOGY	
<b>COMPILATION</b>	
FIGURE 12	NTS 82E/7W
DATE 21-05-88	af



A ground traverse by the writer through the area of the lead/zinc anomaly indicated the intense intrusive dyke activity. This area plus its extension to the SE warrants further work. A piece of float, in the middle of the anomalous area, consisting of quartz and heavy pyrite, assayed 1.19 oz/ton Ag and 0.01 oz/ton Au.

One additional sample was taken near the high zinc value located at 3000S, 5200E. This area is underlain by limestone intruded by a porphyritic andesite dyke. The limestone is poorly exposed but shows intense limonite alteration. Assay results returned only background values for Au and Ag.

A general overview of the geochemical data indicates no strong anomalous conditions existing in the areas of the known showings other than spot highs. This observation enhances the grouping of lead/zinc/gold/silver values in the SE 1/4 of the grided area.

#### b) Ground Magnetics

A ground magnetic survey completed in 1987 does not disclose any noteworthy "large" anomalies. Data is presented in Figure 4. Spot highs occur in the central north area of the grided area at 4800-5000E and 2900-3000S. These values may be associated with skarn development in the limestone units adjacent to intrusive dykes.

An increase in magnetic strength in the SE corner of the grid has a rough correlation with the geochemical anomalies and is of interest.

#### 9) RECOMMENDATIONS AND COST ESTIMATE

A two phase continuing exploration program is recommended to test for economic concentrations of silver, lead and zinc which are known to occur in the area in similar geological environments to that of the Volcano/Jase claims.

Phase II would be contingent on successful completion with encouraging results from Phase I.

PHASE I

1.	Geological mapping, sampling and supervision - detail mapping in the SE $\frac{1}{4}$ of existing grid, extend and map grid to SE to the claim boundary. Reconnaissance mapping should be completed over the remainder of the claims.		
	30 mandays @ \$300/manday	\$	9,000.00
2.	Detailed fill in geochemical sampling, ground magnetic and EM-16 surveys on the SE $\frac{1}{4}$ of the existing grid with fill in lines @ 50 m intervals. Extend the surveys to the SE to the claim boundary.		
	30 mandays @ \$150/manday		4,500.00
3.	Trenching on existing geochemical anomalies and improve road/trail access to the SE area of the claim block. D6 cat equivalent.		3,500.00
4.	Room and Board		
	60 mandays @ \$30/manday		1,800.00
5.	Analysis		
	500 samples @ \$8/sample		4,000.00
6.	Transportation, Vehicle, Gas		3,000.00
7.	Field Equipment and Supplies		1,000.00
8.	Consulting and Report preparation		
	5 days @ \$400/day		2,000.00
9.	Contingencies @ 10%		2,880.00
			<hr/>
	PHASE I TOTAL		<u>\$31,680.00</u>

PHASE II

Dependant upon the results of Phase I:

A continuing program of geological mapping, sampling, trenching and diamond drilling or percussion drilling would be a logical continuation in a program of property development. A program of this sort could be undertaken within a \$100,000 budget.

	\$100,000.00
PHASE I	31,680.00
PHASE II	<u>100,000.00</u>
TOTAL PHASE I AND PHASE II	<u>\$131,680.00</u>

J. PAUL STEVENSON & ASSOCIATES

  
J. Paul Stevenson

REFERENCES


- 1) Reinecke, L. (1915) Ore Deposits of the Beaverdell Map Area; GSC Memoir 79.
- 2) Kidd, D.R. & Perry, O.S. (1957) Beaverdell Camp-in Structural Geology of Canadian Ore Deposits, CIMM Special Volume #2.
- 3) White, W.H. (1949) Beaverdell Silver Camp - in B.C. Minister of Mines Annual Report.
- 4) Versoza, R.S. & Goetting, B. (1972) Geology and History of the Highland Bell Mine, Beaverdell B.C.; Paper Presented CIMM Meeting, Prince George, B.C.
- 5) Watson, P.H. (1982) General Geology and Genesis of Silver and Gold Veins in the Beaverdell Area, Can. Journal Earth Science, Vol.19, #6
- 6) Allan, G. (1982) Geological, Geochemical & Geophysical Report on the H.K. Claim Group, Mineral Resource Branch Assessment Report # 10,470.

CERTIFICATE

I, J. Paul Stevenson, Prospector, of #303 - 475 Howe Street, in the City of Vancouver, in the Province of British Columbia, hereby certify as follows:

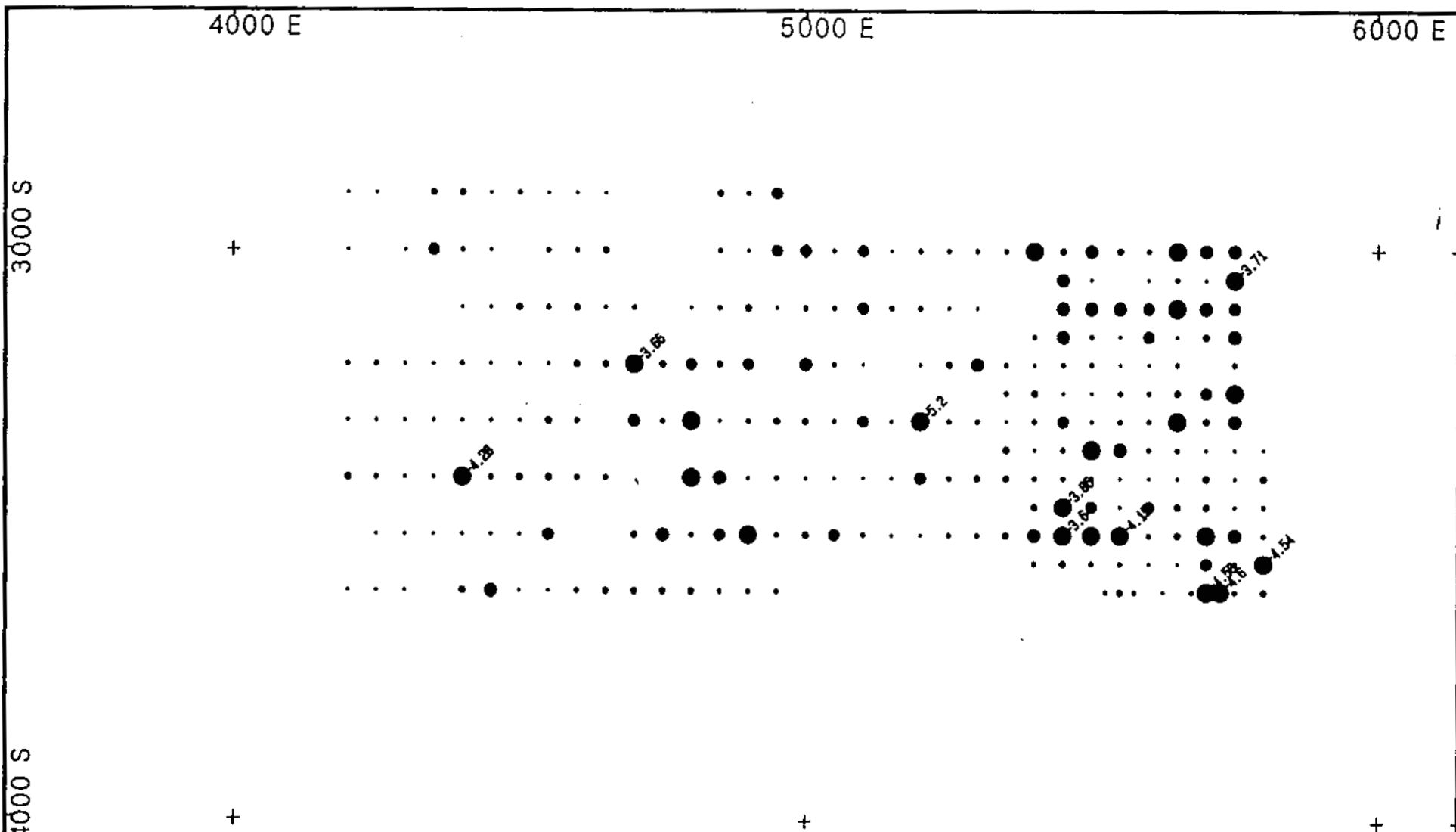
- 1) that I am not a Professional Engineer or Professional Geologist;
- 2) that the work covered in this report was completed under my supervision;
- 3) that I have practiced my vocation continuously since 1965 in British Columbia, the Yukon Territories, and the South-western United States;

Respectfully Submitted,

  
\_\_\_\_\_  
J. Paul Stevenson

STATEMENT OF COSTS FOR THE  
VOLCANO 1 - 12 AND JASE 1 & 2  
MINERAL CLAIMS FOR  
NEW BRIDGE DEVELOPMENT CORP.

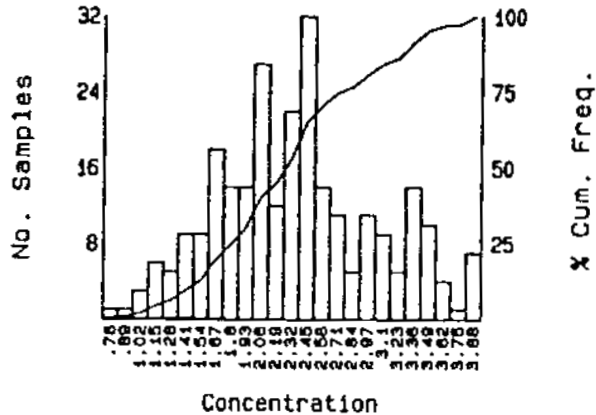
Line Cutting	14 Km @ \$700.00/Km	9,800.00
Soil Geochem	264 samples @ \$10.00/sample	2,640.00
Mob/Demob		3,000.00
<b>WAGES</b>		
Field Workers	3 @ \$200.00/day X 17 days	10,000.00
Engineering		2,500.00
Maps and Report Preparation		635.00
Food	\$30.00 X 3 X 17 days	1,785.00
Expendables	(Flagging, Fuel, Sample Bags, etc.)	2,000.00
Mag	14 Km X 160	2,240.00
<hr/>		
TOTAL AS PER CONTRACT		\$34,800.00



	<ul style="list-style-type: none"> <li> &gt; 3.6</li> <li> ≤ 3.6</li> <li> ≤ 3.45</li> <li> ≤ 3.2</li> <li> ≤ 2.85</li> <li> ≤ 2.45</li> <li> ≤ 2</li> </ul>	<b>ALUMINUM (%)</b>		
		VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
NEW BRIDGE DEVELOPMENT CORPORATION		Project No.	NTS 82E/TW	Scale 1:10000
		Date APRIL 1988	Report No.	Fig. No.

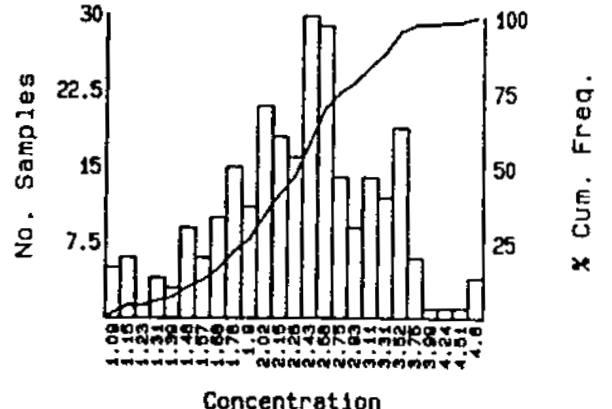
# ALUMINUM (%)

### TRUNCATED ARITHMETIC



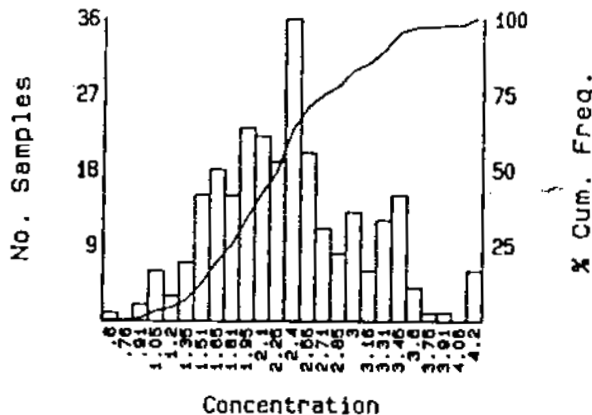
Mean = 2.308  
SD = .647

### TRUNCATED LOGARITHMIC



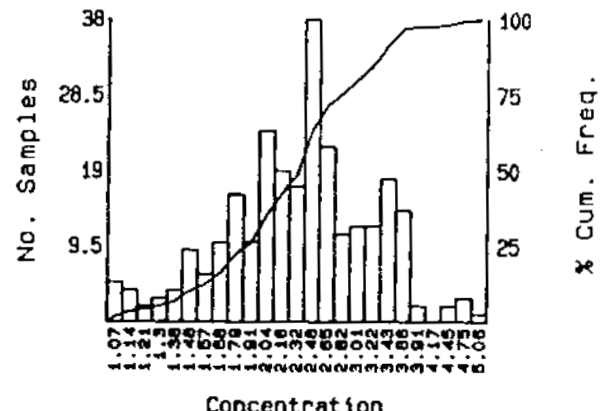
Mean = 2.219  
SD = .001

### ARITHMETIC



Mean = 2.37  
SD = .733

### LOGARITHMIC



Mean = 2.256  
SD = .001

Number Samples = 264  
Minimum Value = .51  
Maximum Value = 5.2

#### SUBSET CRITERIA

Property Code (s) -  East  North  
Sample Type (s) -   
Lab. Code (s) -

## 1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

APRIL 1988

Report No.

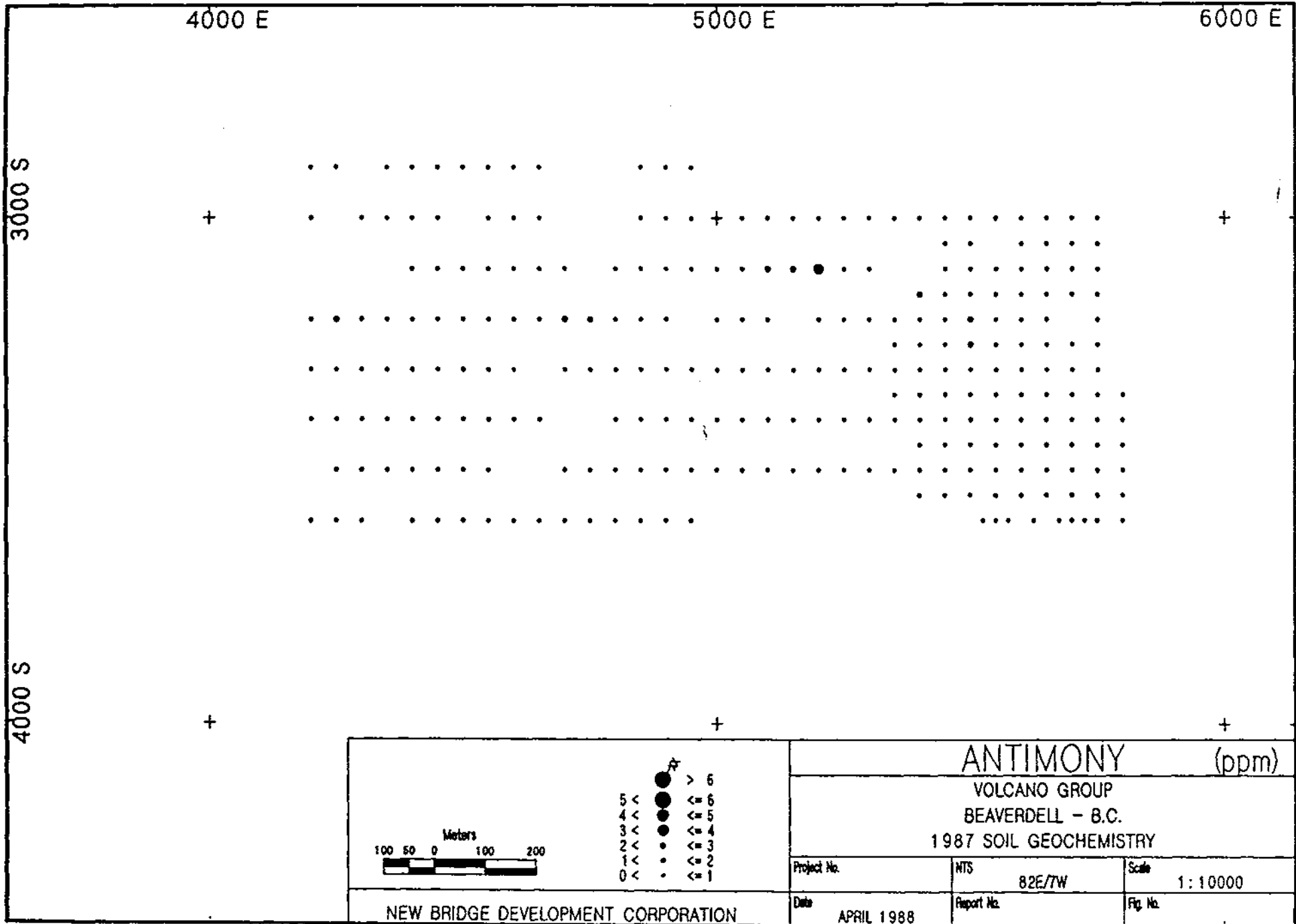
N.T.S.

82E/TW

Fig. No.

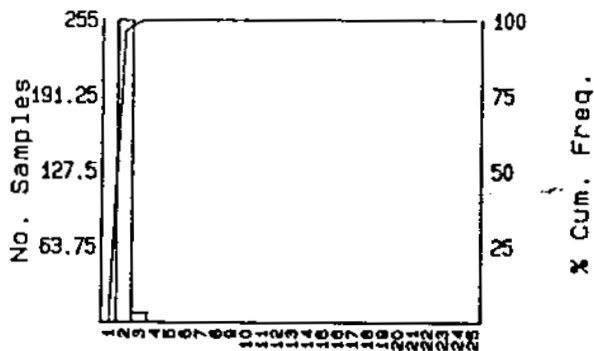
NEW BRIDGE DEVELOPMENT CORPORATION





ANTIMONY (ppm)

ARITHMETIC



Mean = 2.038  
SD = .21

Number Samples = 264  
Minimum Value = 2  
Maximum Value = 4

SUBSET CRITERIA

Property Code (s) -  East North  
Sample Type (s) -   
Lab. Code (s) -

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

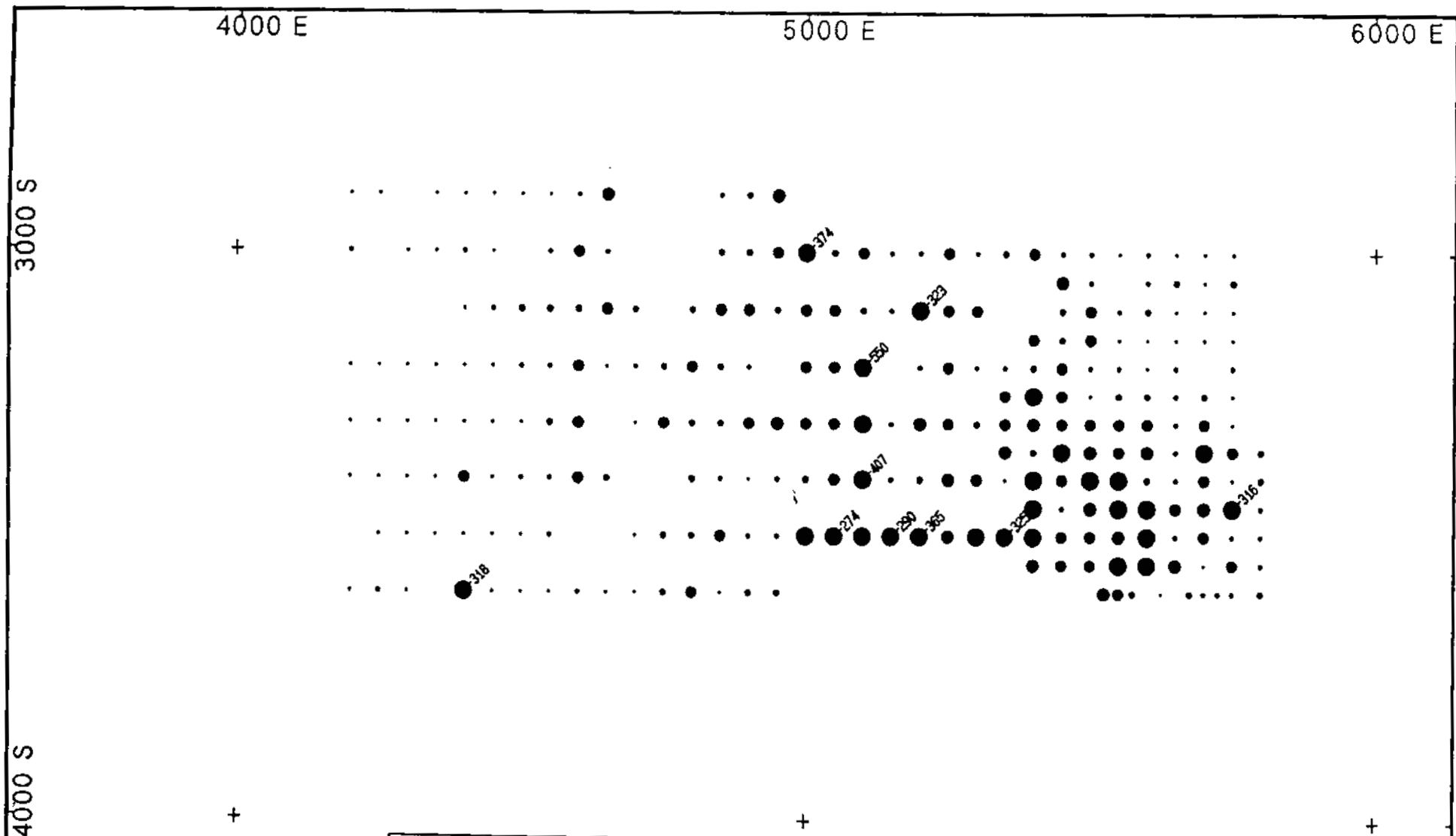
N.T.S.

Fig. No.

APRIL 1988

82E/7W

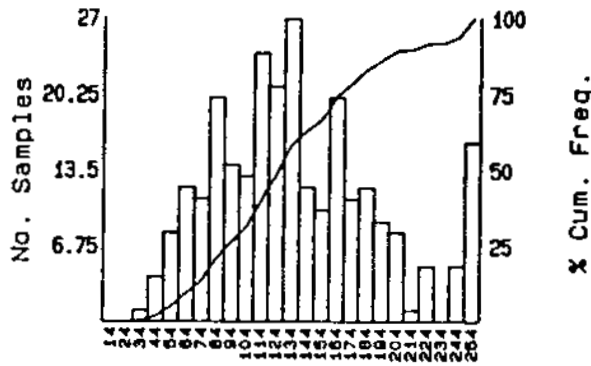
NEW BRIDGE DEVELOPMENT CORPORATION



	<ul style="list-style-type: none"> <li> &gt; 270</li> <li> 215 &lt; &lt;= 270</li> <li> 190 &lt; &lt;= 215</li> <li> 150 &lt; &lt;= 190</li> <li> 125 &lt; &lt;= 150</li> <li> 100 &lt; &lt;= 125</li> <li> 0 &lt; &lt;= 100</li> </ul>	<b>BARIUM</b> (ppm)		
		VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
NEW BRIDGE DEVELOPMENT CORPORATION		Project No.	NTS 82E/TW	Scale 1:10000
		Date APRIL 1988	Report No.	Fig. No.

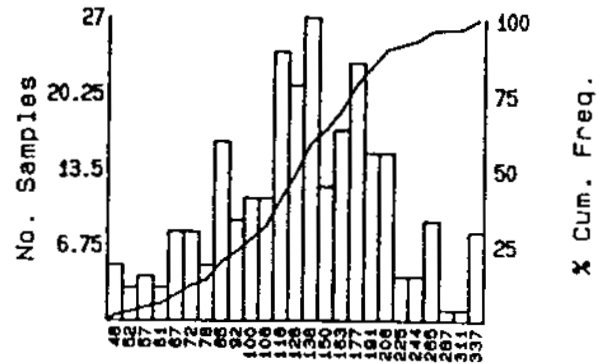
# BARIUM (ppm)

### TRUNCATED ARITHMETIC



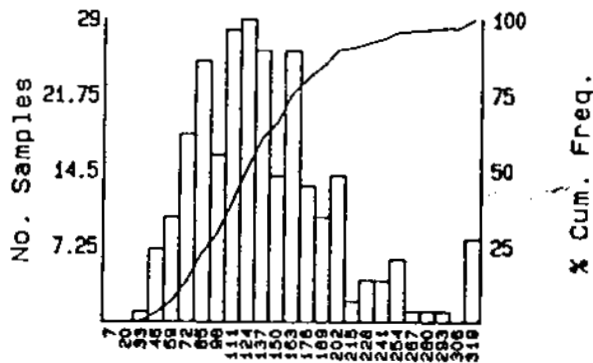
Concentration  
 Mean = 131.767  
 SD = 49.153

### TRUNCATED LOGARITHMIC



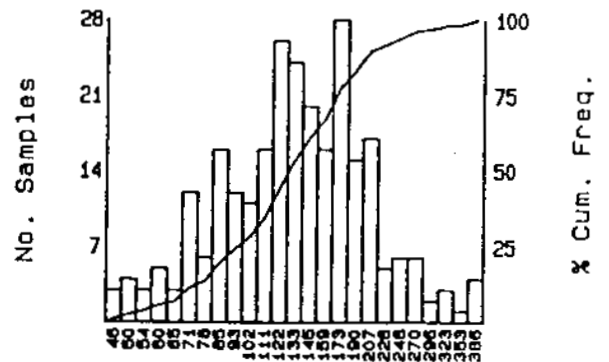
Concentration  
 Mean = 123.048  
 SD = .176

### ARITHMETIC



Concentration  
 Mean = 140.693  
 SD = 66.322

### LOGARITHMIC



Concentration  
 Mean = 127.595  
 SD = .192

Number Samples = 264  
 Minimum Value = 38  
 Maximum Value = 550

#### SUBSET CRITERIA

Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

APRIL 1988

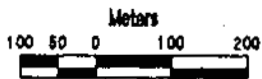
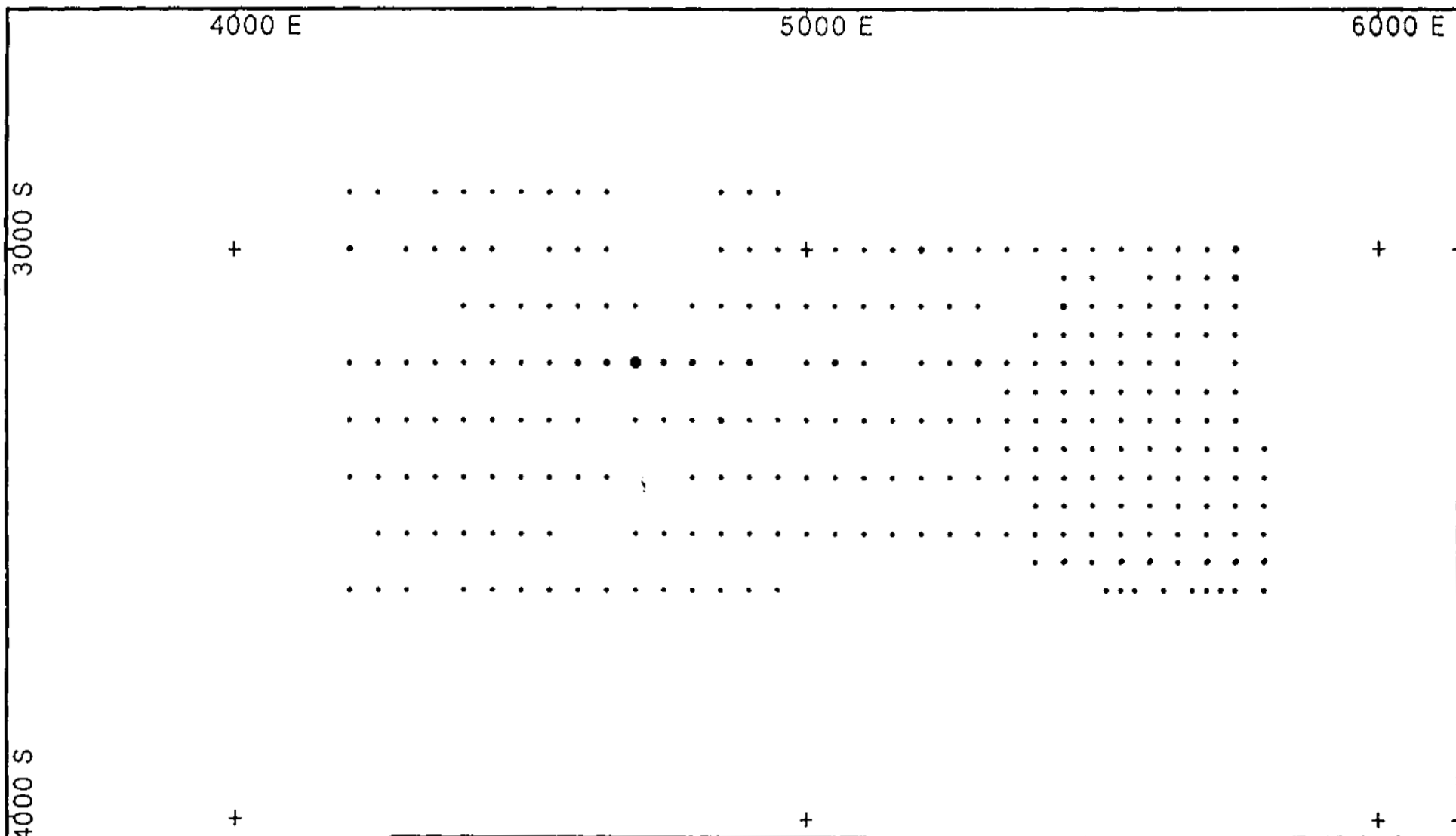
Report No.

N.T.S.

82E/TW

Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION

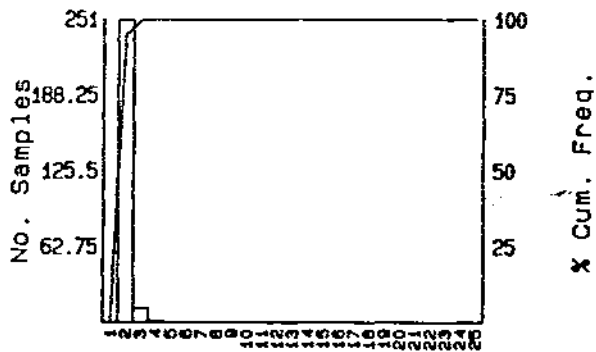


- > 6
- ≤ 6
- ≤ 5
- ≤ 4
- ≤ 3
- ≤ 2
- ≤ 1

<p style="text-align: center;"><b>BISMUTH</b> (ppm)</p> <p style="text-align: center;">VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY</p>		Project No.	NTS	Scale
		Date	Report No.	Fig. No.
NEW BRIDGE DEVELOPMENT CORPORATION		APRIL 1988	82E/TW	1:10000

BISMUTH (ppm)

ARITHMETIC



Concentration  
 Mean = 2.053  
 SD = .241

Number Samples = 264  
 Minimum Value = 2  
 Maximum Value = 4

SUBSET CRITERIA

Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

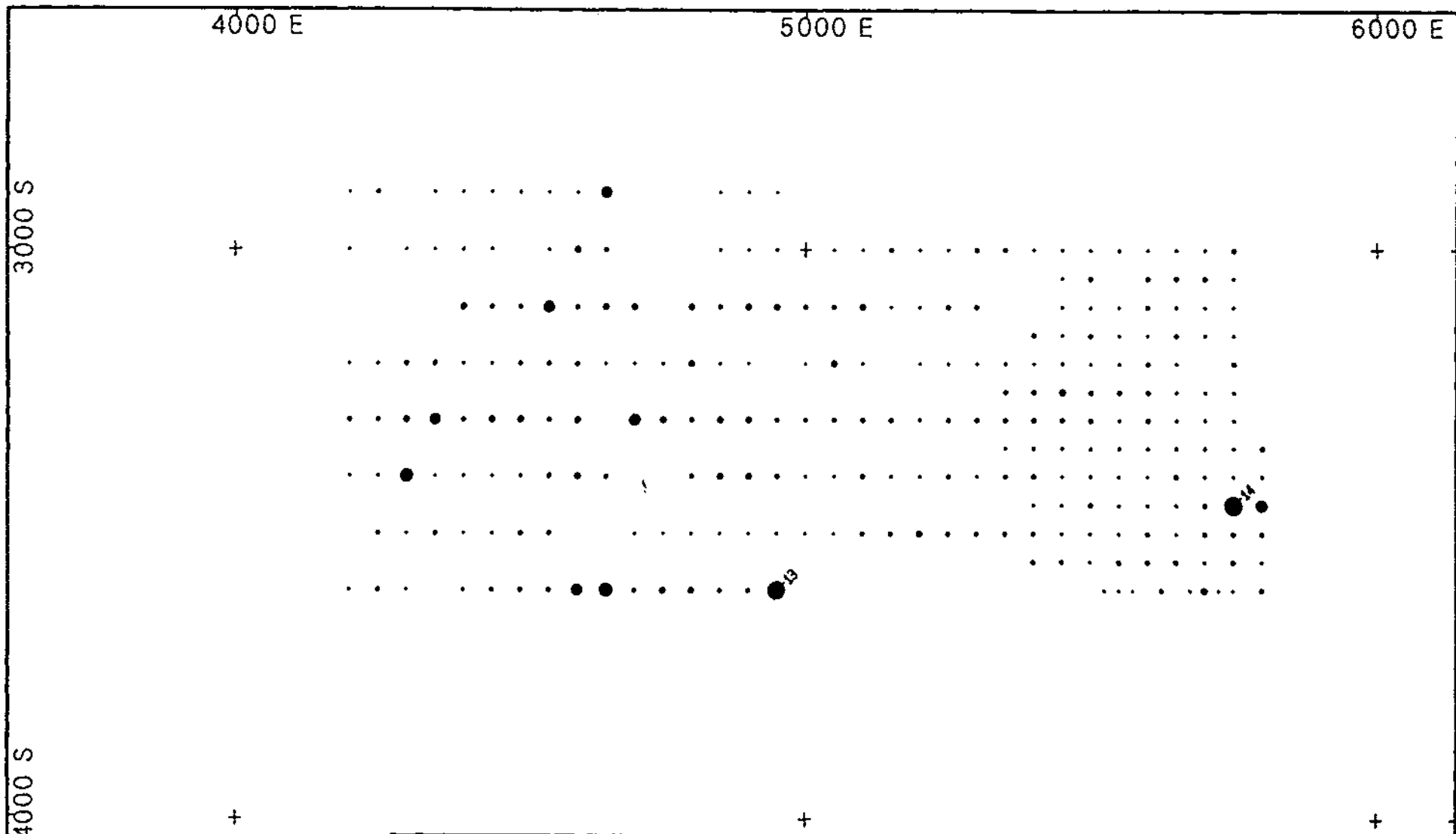
N.T.S.

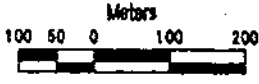

Fig. No.

APRIL 1988

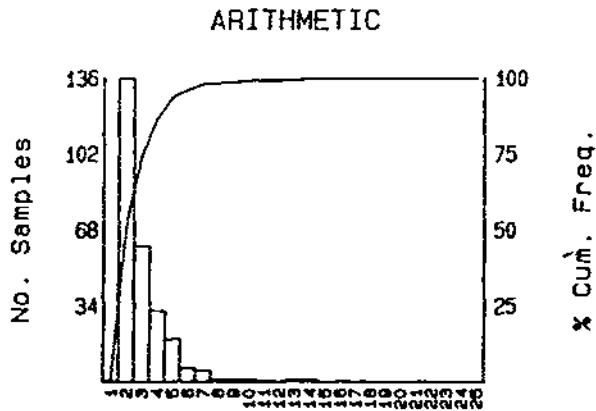
82E/TW

NEW BRIDGE DEVELOPMENT CORPORATION



		<p><b>BORON</b> (ppm)</p>	
		<p>VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY</p>	
<p>10 &lt; ● &lt;= 12 8 &lt; ● &lt;= 10 6 &lt; ● &lt;= 8 4 &lt; ● &lt;= 6 2 &lt; ● &lt;= 4 0 &lt; ● &lt;= 2</p>		<p>Project No. NTS</p>	<p>Scale 1:10000</p>
<p>NEW BRIDGE DEVELOPMENT CORPORATION</p>		<p>Date APRIL 1988</p>	<p>Report No. 82E/TW Fig. No.</p>

BORON (ppm)



Concentration  
 Mean = 3.042  
 SD = 1.641

Number Samples = 264  
 Minimum Value = 2  
 Maximum Value = 14

SUBSET CRITERIA

Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

APRIL 1988

Report No.

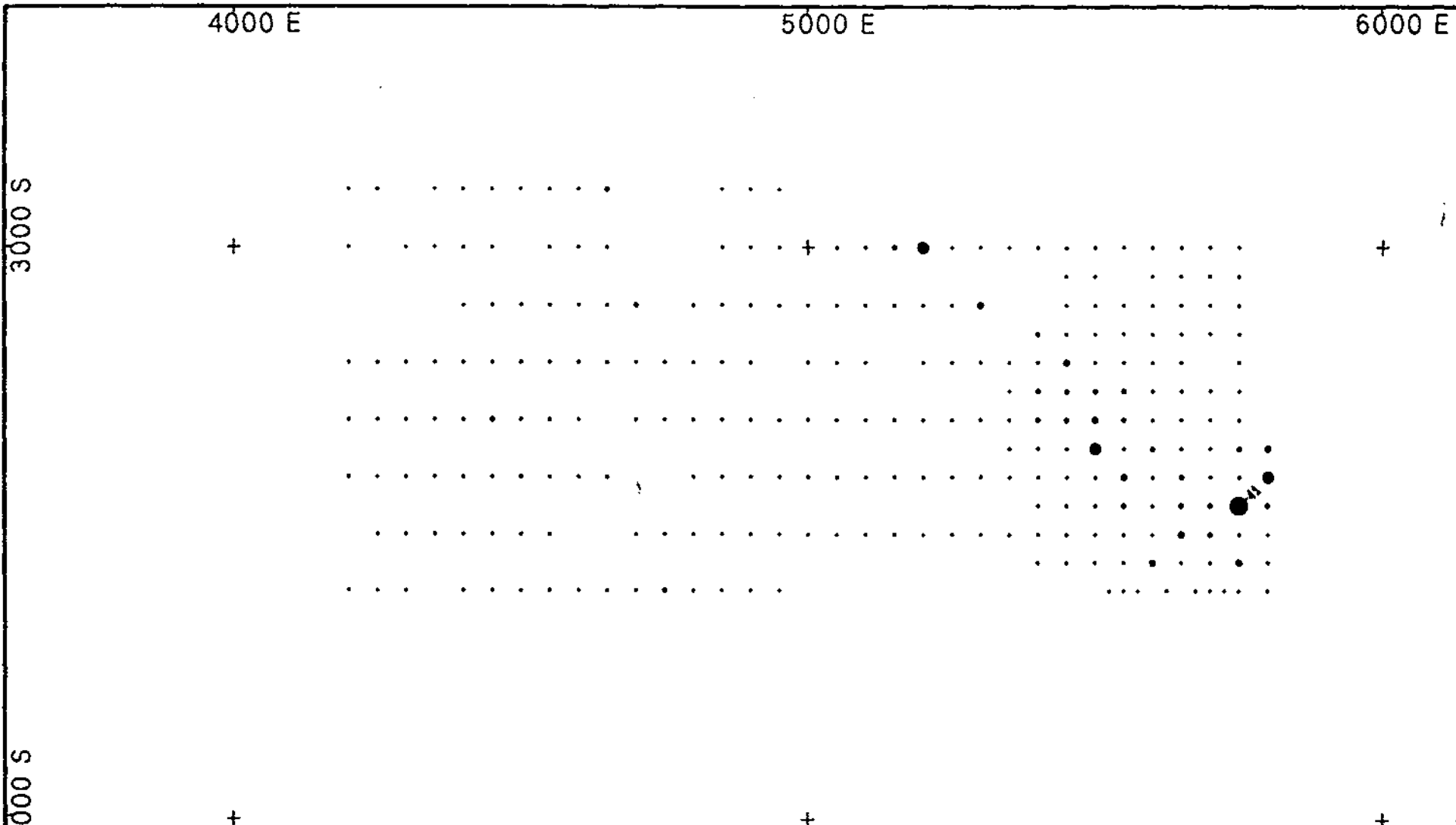
NTS.

82E/TW

Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION

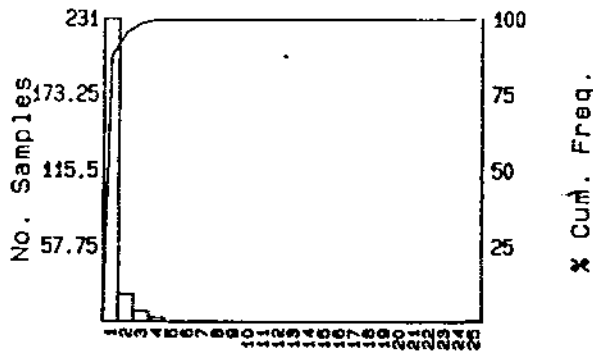




		<b>CADMIUM (ppm)</b>		
		VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.		NTS 82E/TW	Scale 1:10000	
Date APRIL 1988		Report No.	Fig. No.	
NEW BRIDGE DEVELOPMENT CORPORATION				

CADMIUM (ppm)

ARITHMETIC



Concentration  
 Mean = 1.326  
 SD = 2.506

Number Samples = 264  
 Minimum Value = 1  
 Maximum Value = 41

SUBSET CRITERIA

Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

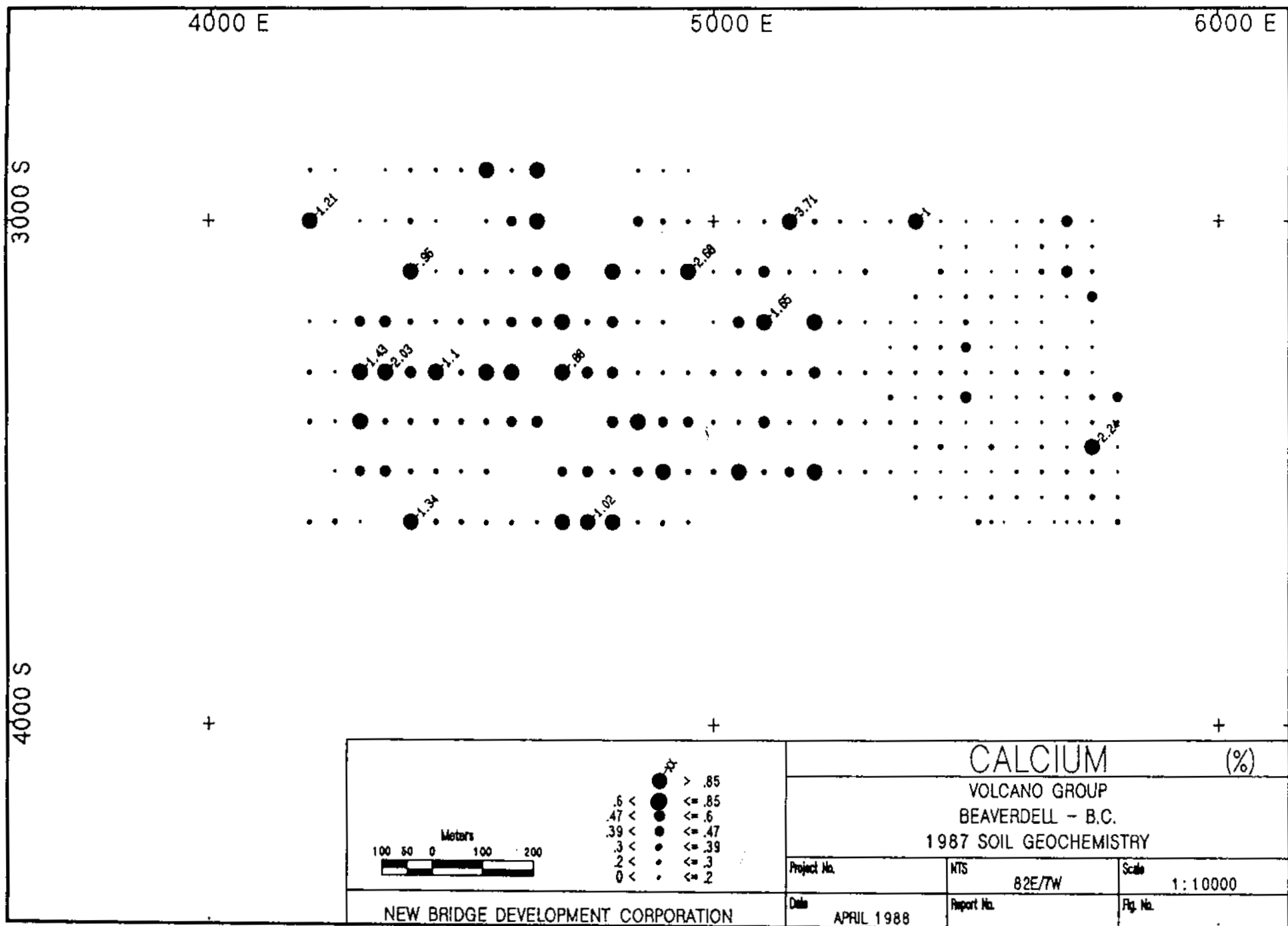
BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

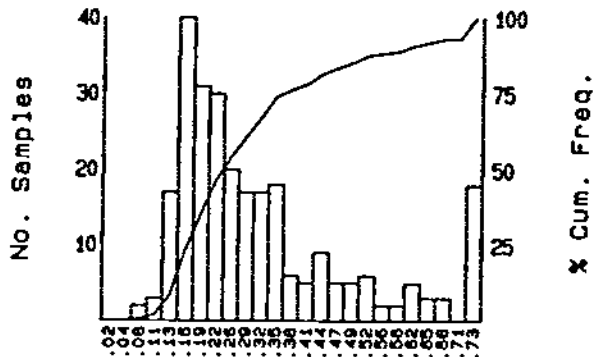
Project Code	Date	Report No.	N.T.S.	Fig. No.
	APRIL 1988		82E/TW	

NEW BRIDGE DEVELOPMENT CORPORATION



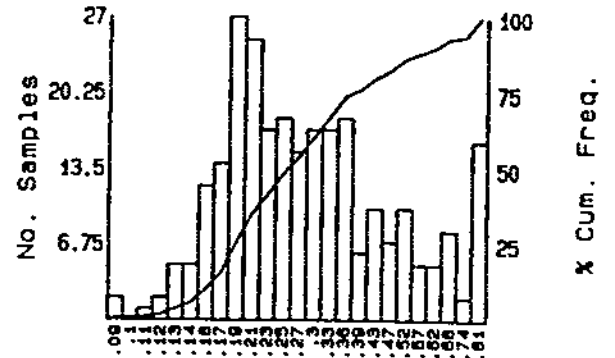
# CALCIUM (%)

### TRUNCATED ARITHMETIC



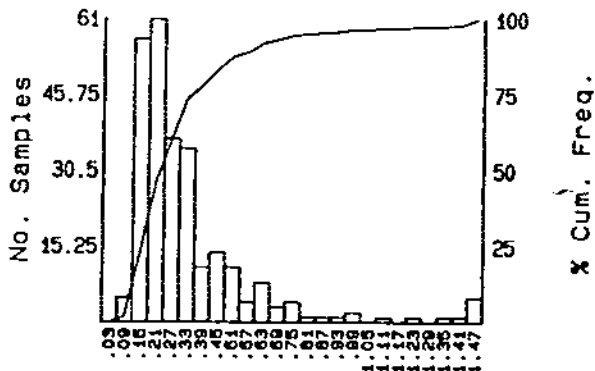
Concentration  
 Mean = .307  
 SD = .168

### TRUNCATED LOGARITHMIC



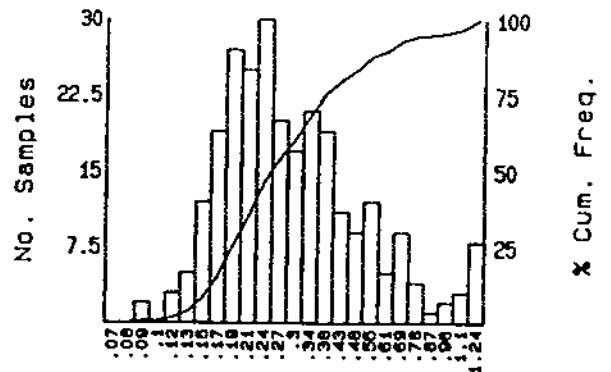
Concentration  
 Mean = .266  
 SD = .002

### ARITHMETIC



Concentration  
 Mean = .362  
 SD = .369

### LOGARITHMIC



Concentration  
 Mean = .29  
 SD = .003

Number Samples = 264  
 Minimum Value = .09  
 Maximum Value = 3.71

#### SUBSET CRITERIA

Property Code (s) =  East       North  
 Sample Type (s) =   
 Lab. Code (s) =

## 1987 SOIL GEOCHEMISTRY

### BEAVERDELL - B.C.

Project Name

#### VOLCANO GROUP

Project Code

Date

APRIL 1988

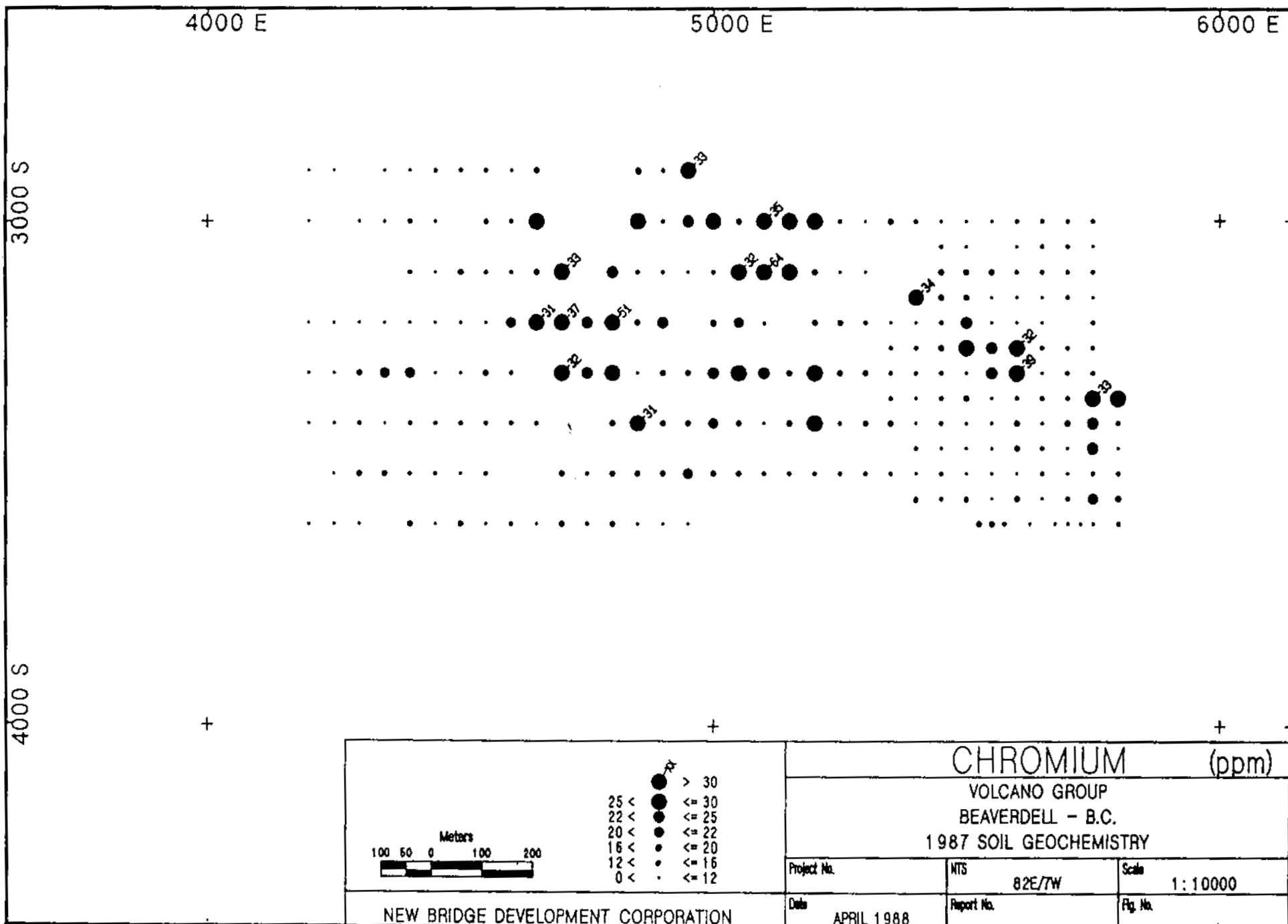
Report No.

N.T.S.

82E/TW

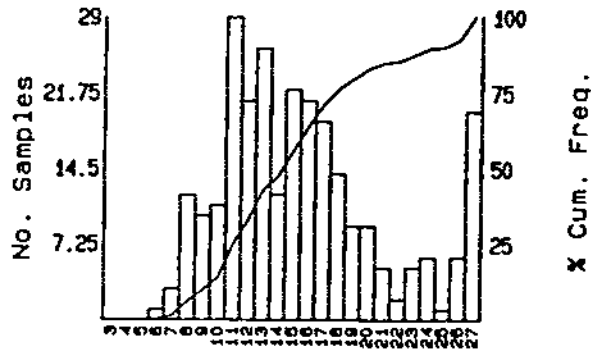
Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION



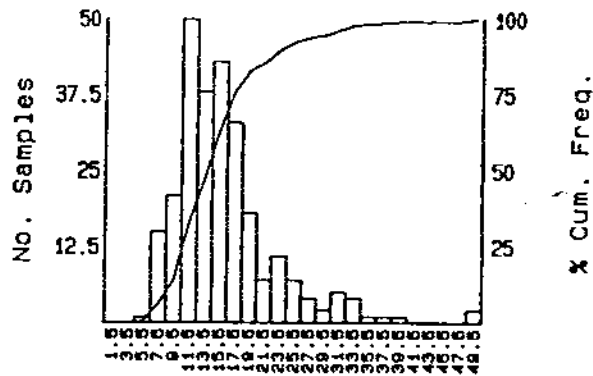
# CHROMIUM (ppm)

**TRUNCATED ARITHMETIC**



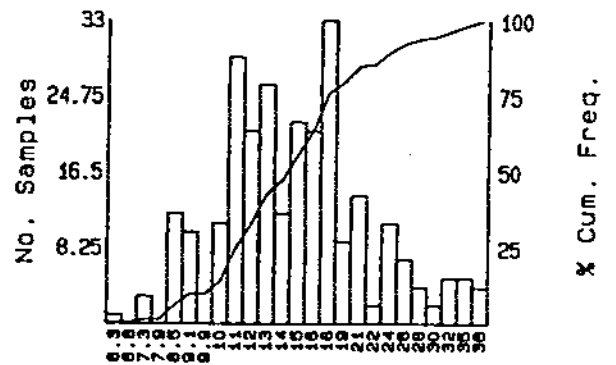
Concentration  
 Mean = 14.879  
 SD = 4.66

**ARITHMETIC**



Concentration  
 Mean = 16.155  
 SD = 7.105

**LOGARITHMIC**



Concentration  
 Mean = 14.981  
 SD = .163

Number Samples = 264  
 Minimum Value = 6  
 Maximum Value = 64

**SUBSET CRITERIA**

Property Code (s) =  East       North  
 Sample Type (s) =   
 Lab. Code (s) =

**1987 SOIL GEOCHEMISTRY**

**BEAVERDELL - B.C.**

Project Name

**VOLCANO GROUP**

Project Code

Date

APRIL 1988

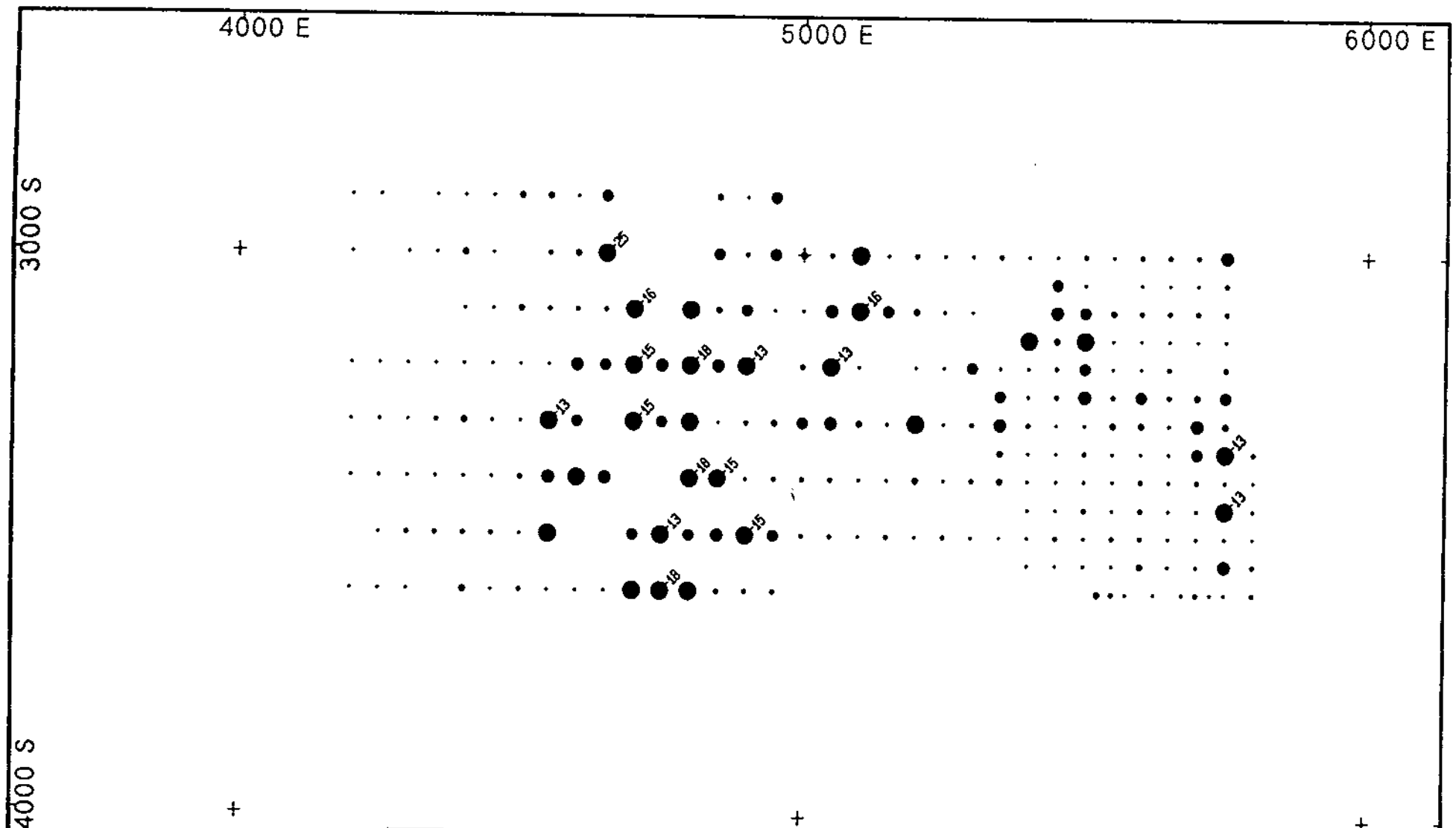
Report No.

N.T.S.

82E/7W

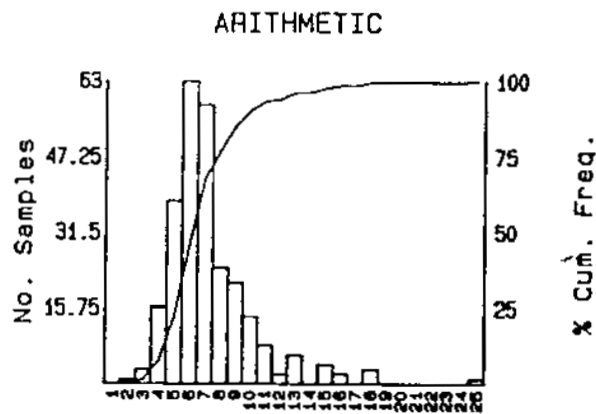
Fig. No.

**NEW BRIDGE DEVELOPMENT CORPORATION**



	<p>           10 &lt; ● &gt; 12            9 &lt; ● &lt;= 12            8 &lt; ● &lt;= 10            7 &lt; ● &lt;= 9            6 &lt; ● &lt;= 8            5 &lt; ● &lt;= 7            4 &lt; ● &lt;= 6         </p>	<b>COBALT</b> (ppm)		
		VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
NEW BRIDGE DEVELOPMENT CORPORATION	Project No.	NTS 82E/TW	Scale 1:10000	
	Date APRIL 1988	Report No.	Fig. No.	

COBALT (ppm)



Concentration

Mean = 7.314  
SD = 2.852

Number Samples = 264  
Minimum Value = 2  
Maximum Value = 25

SUBSET CRITERIA

Property Code (s) = [ ] East North  
Sample Type (s) = [ ]  
Lab. Code (s) = [ ]

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

APRIL 1988

Report No.

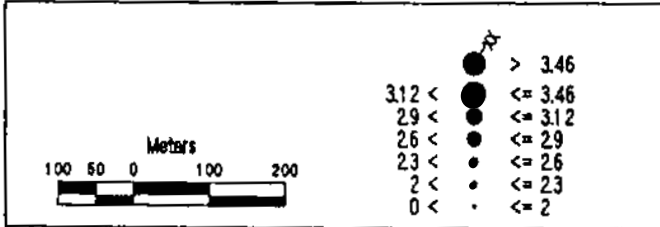
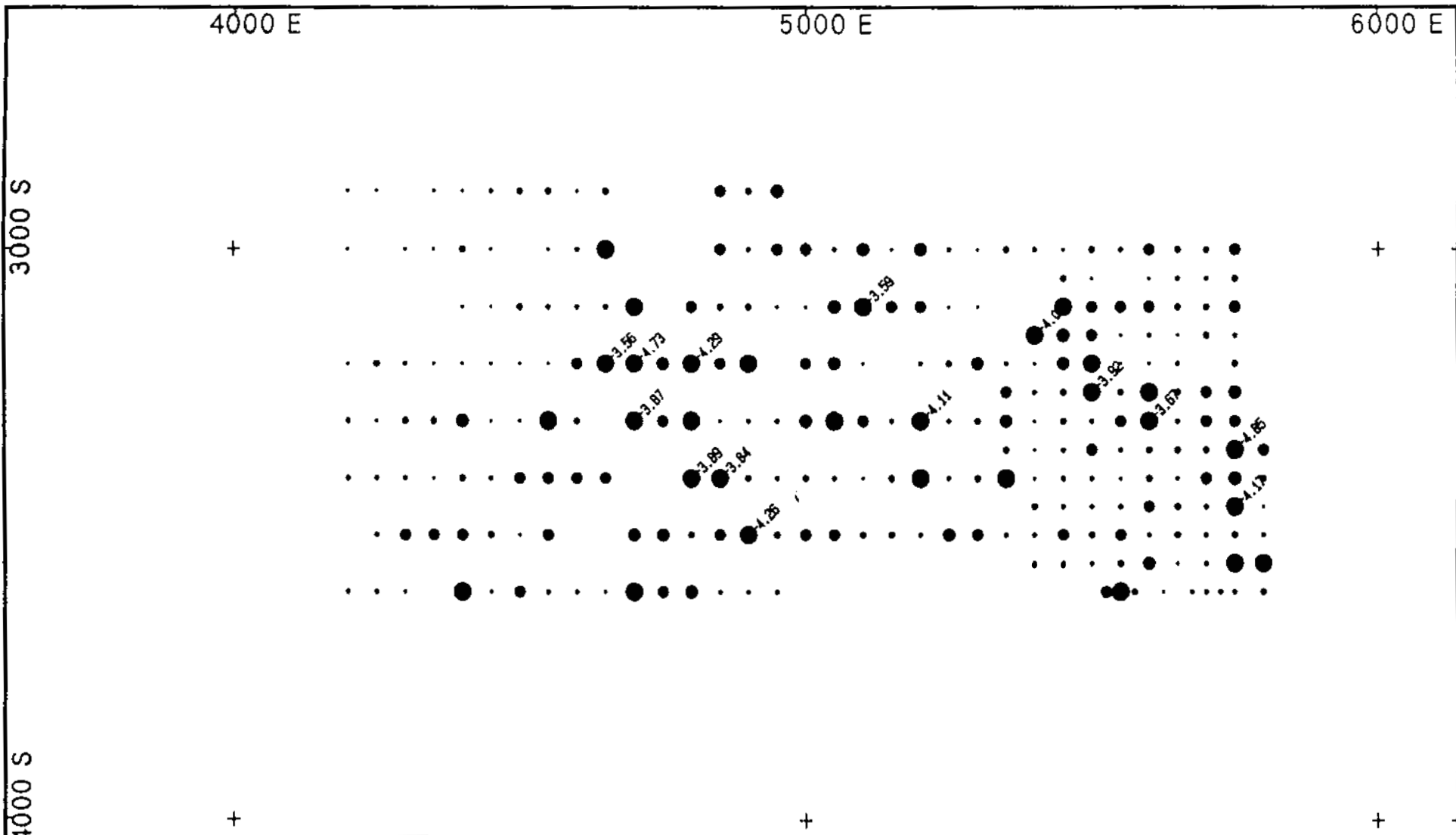
N.T.S.

82E/TW

Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION



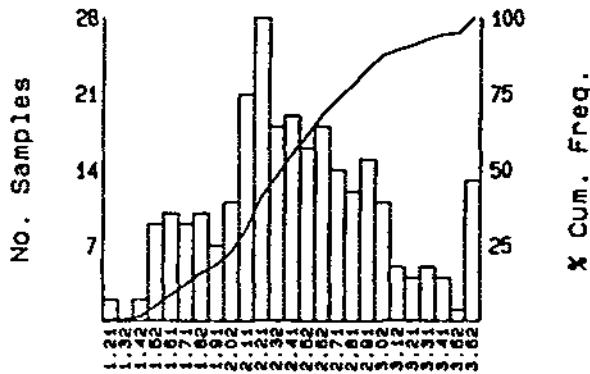


IRON (%)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/TW	Scale 1:10000
Date APRIL 1988	Report No.	Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION

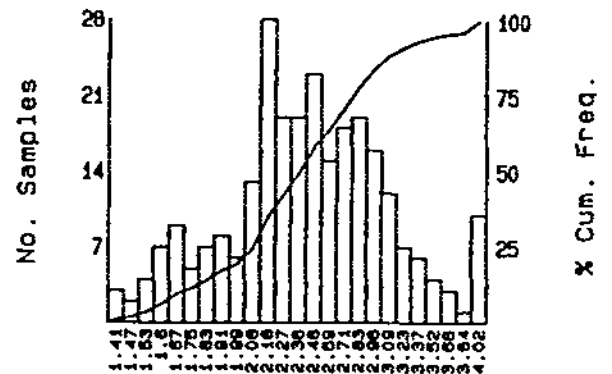
IRON (%)

TRUNCATED ARITHMETIC



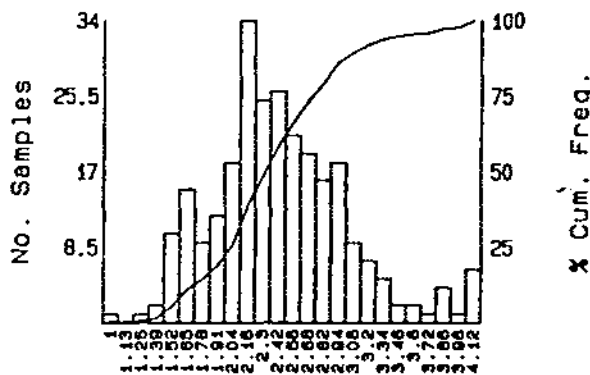
Mean = 2.369  
SD = .482

TRUNCATED LOGARITHMIC



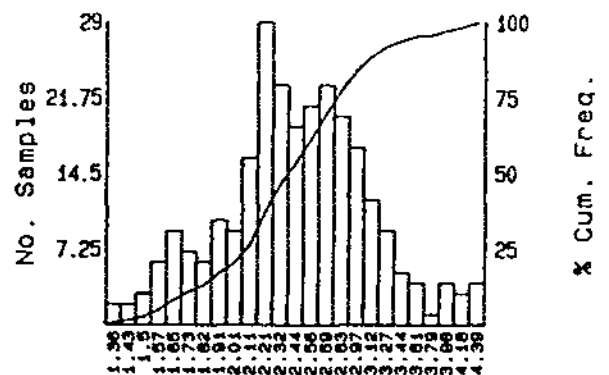
Mean = 2.33  
SD = .001

ARITHMETIC



Mean = 2.458  
SD = .609

LOGARITHMIC



Mean = 2.387  
SD = .001

Number Samples = 264  
Minimum Value = 1  
Maximum Value = 4.85

SUBSET CRITERIA

Property Code(s) = [ ] East North  
Sample Type(s) = [ ]  
Lab. Code(s) = [ ]

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

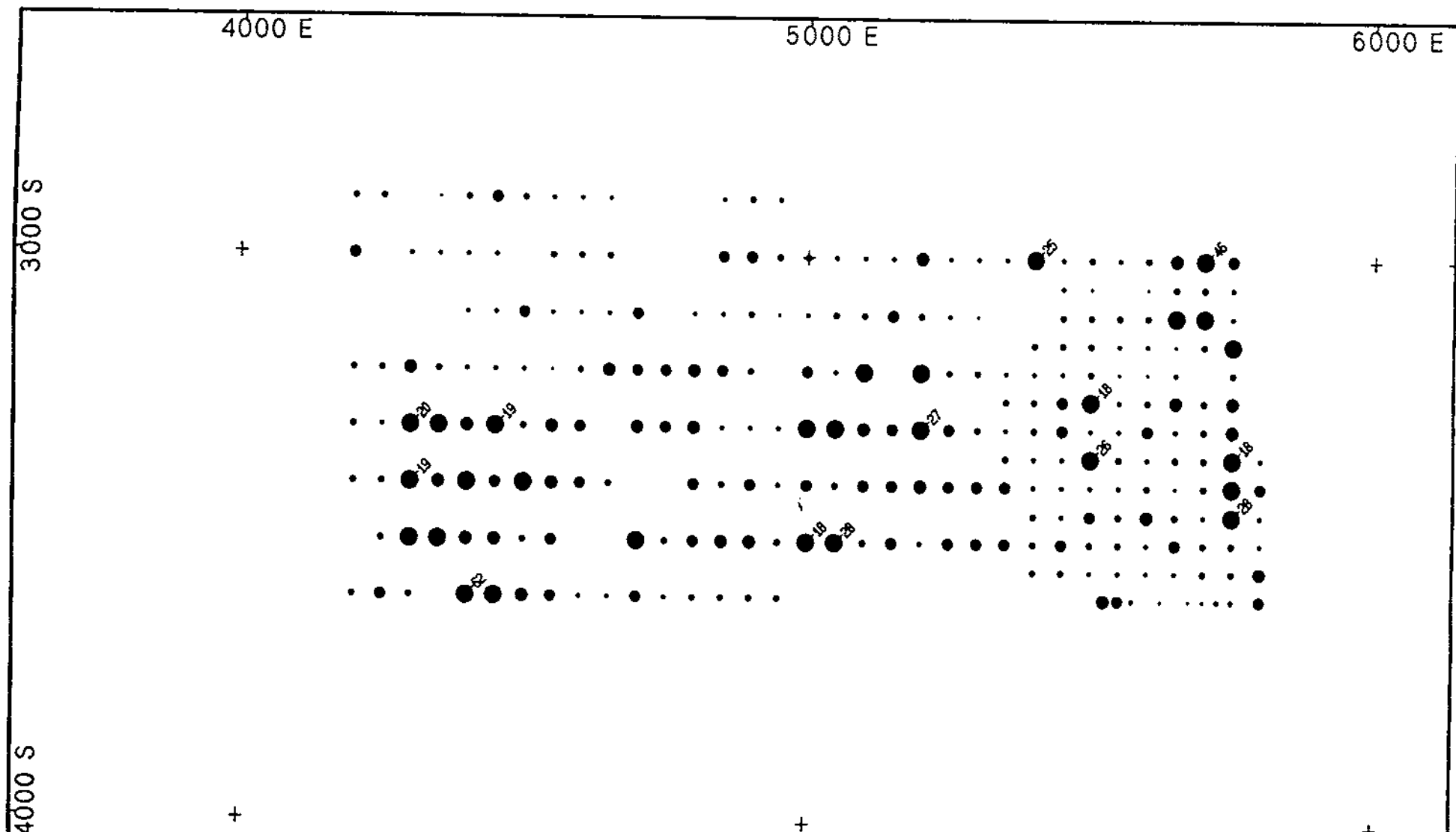
NTS.

Fig. No.

APRIL 1988

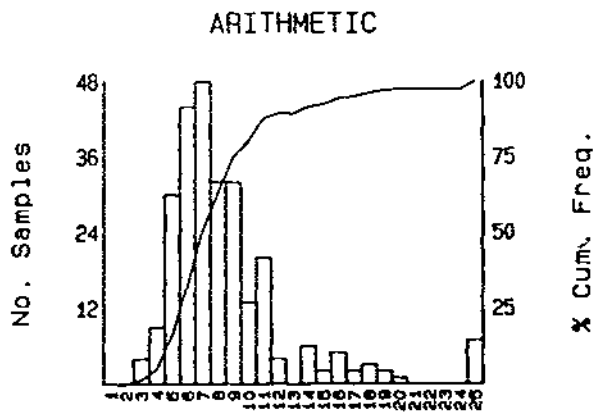
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				<b>LANTHANUM (ppm)</b>	
		VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		Project No. NTS	Scale 1:10000
NEW BRIDGE DEVELOPMENT CORPORATION		Date APRIL 1988	Report No. 82E/TW	Fig. No.	

LANTHANUM (ppm)



Concentration  
 Mean = 8.795  
 SD = 5.69

Number Samples = 264  
 Minimum Value = 3  
 Maximum Value = 62

SUBSET CRITERIA  
 Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

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VOLCANO GROUP

Project Code

Date

APRIL 1988

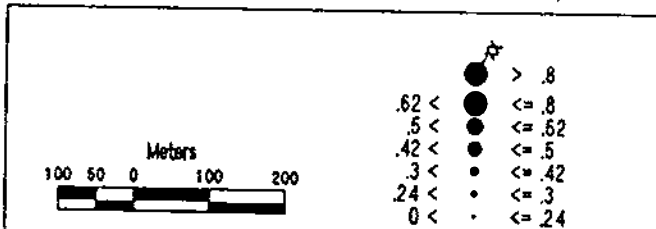
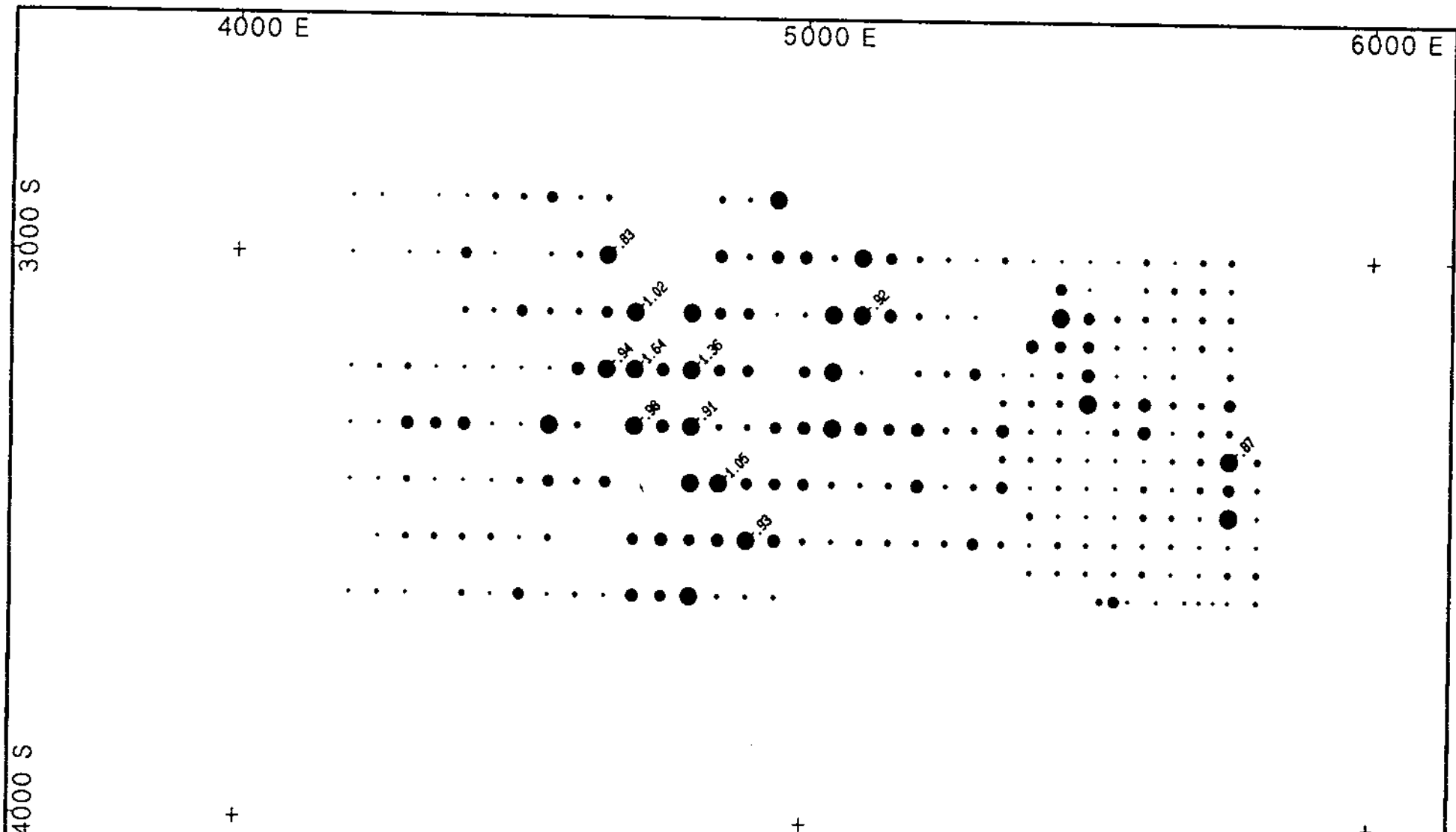
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NEW BRIDGE DEVELOPMENT CORPORATION

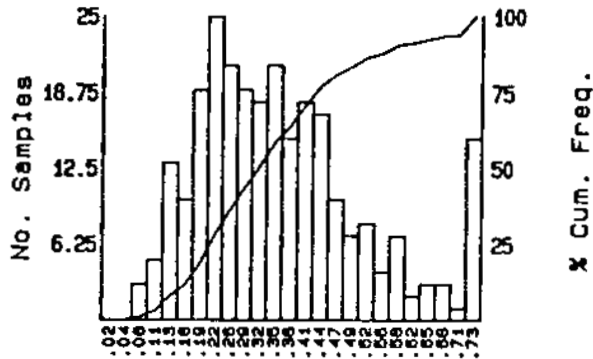


<b>MAGNESIUM (%)</b>		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
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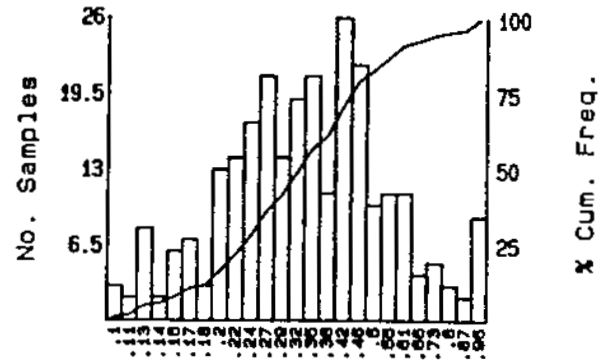
# MAGNESIUM (%)

### TRUNCATED ARITHMETIC



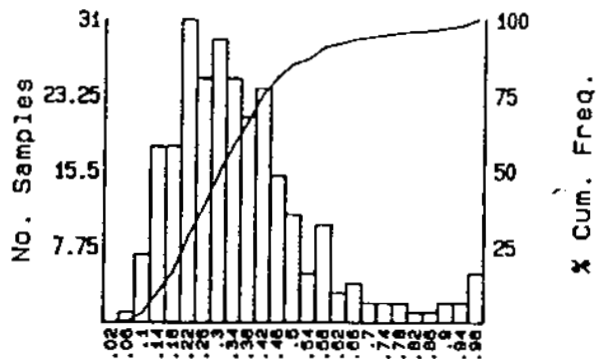
Concentration  
 Mean = .336  
 SD = .138

### TRUNCATED LOGARITHMIC



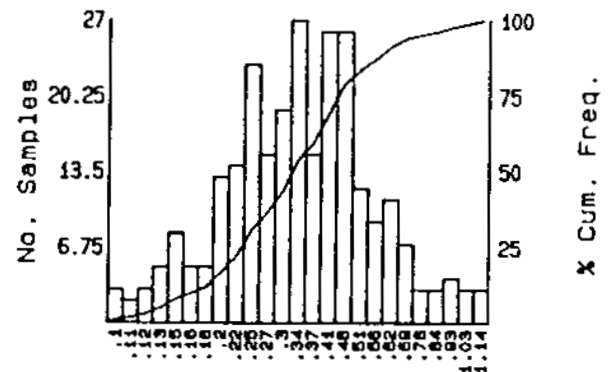
Concentration  
 Mean = .31  
 SD = .002

### ARITHMETIC



Concentration  
 Mean = .37  
 SD = .205

### LOGARITHMIC



Concentration  
 Mean = .326  
 SD = .002

Number Samples = 264  
 Minimum Value = .07  
 Maximum Value = 1.64

#### SUBSET CRITERIA

Property Code (s) =  East       North  
 Sample Type (s) =   
 Lab. Code (s) =

## 1987 SOIL GEOCHEMISTRY

### BEAVERDELL - B.C.

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### VOLCANO GROUP

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Date

Report No.

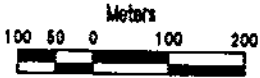
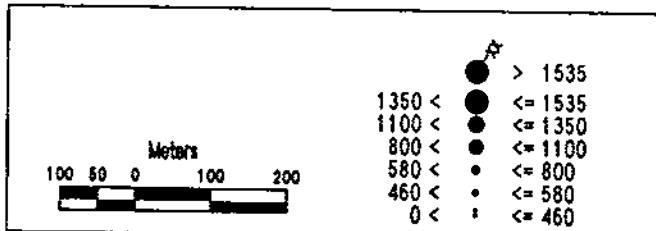
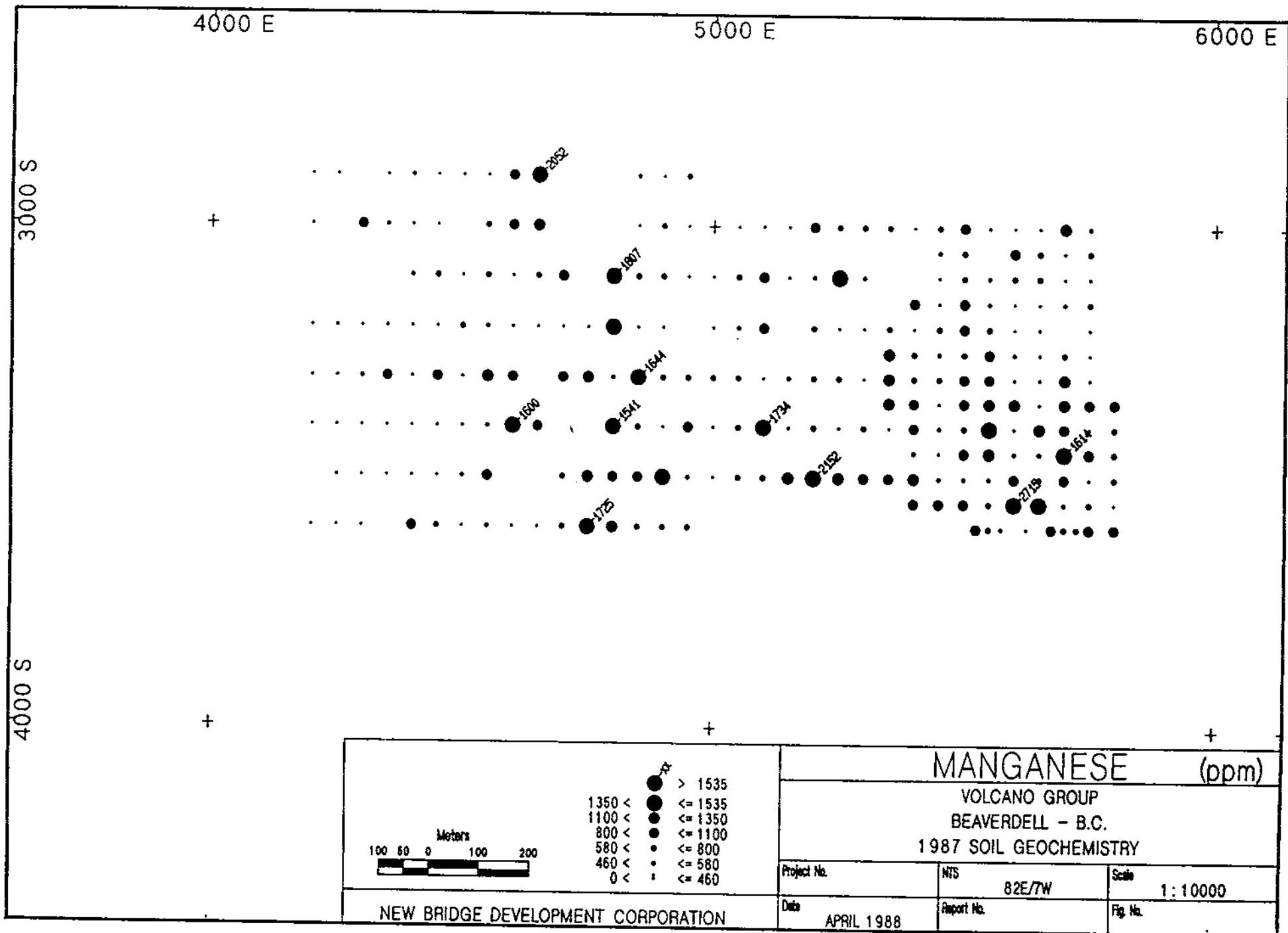
N.T.S.

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NEW BRIDGE DEVELOPMENT CORPORATION

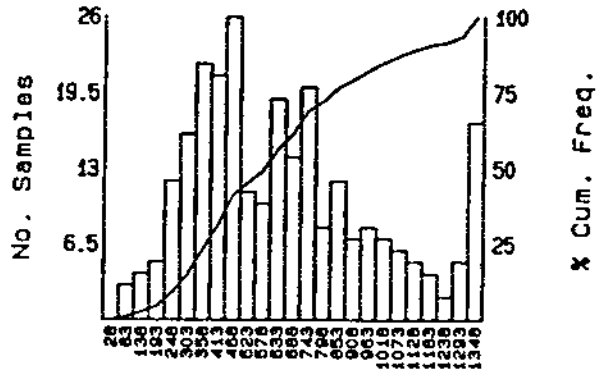


<b>MANGANESE (ppm)</b>		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
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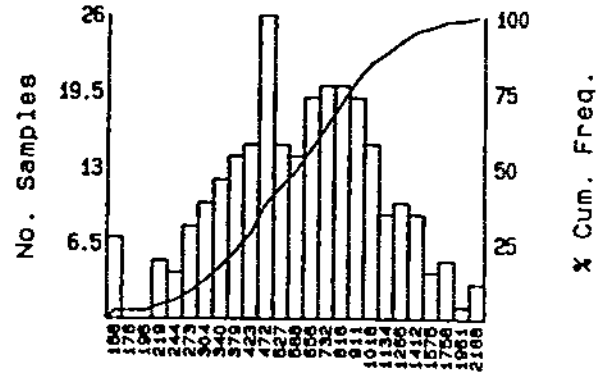
# MANGANESE (ppm)

### TRUNCATED ARITHMETIC



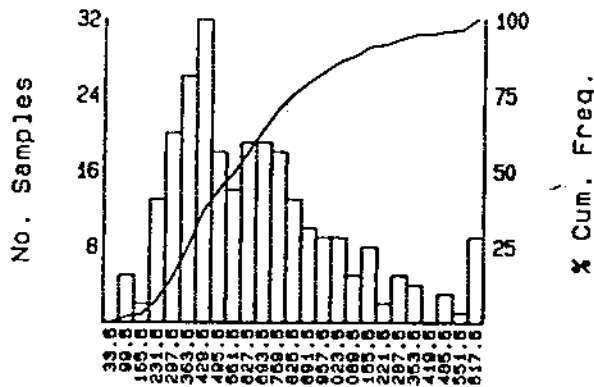
Mean = 616.709  
SD = 294.623

### TRUNCATED LOGARITHMIC



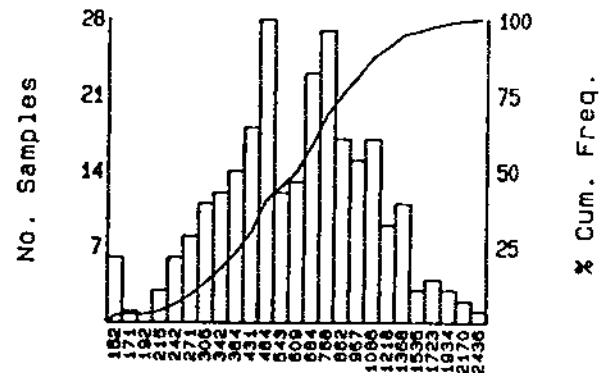
Mean = 556.806  
SD = .238

### ARITHMETIC



Mean = 673.508  
SD = 388.275

### LOGARITHMIC



Mean = 575.608  
SD = .251

Number Samples = 264  
Minimum Value = 77  
Maximum Value = 2715

#### SUBSET CRITERIA

Property Code (s) -  East       North  
Sample Type (s) -   
Lab. Code (s) -

## 1987 SOIL GEOCHEMISTRY

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VOLCANO GROUP

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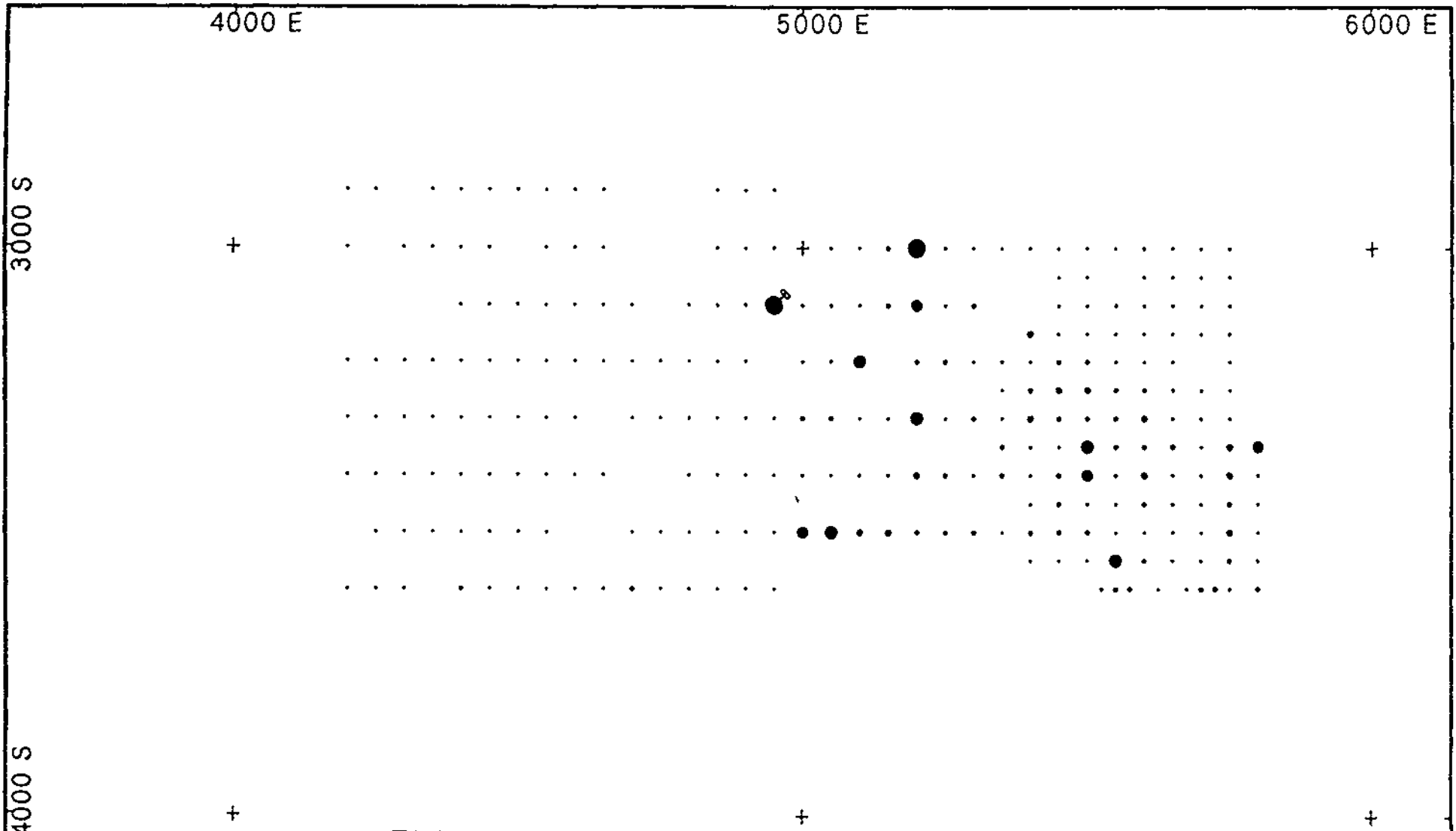
NTS.

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Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION



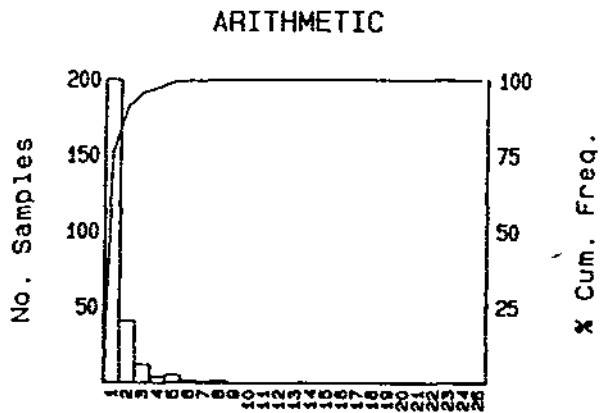


- 5 < ● > 6
- 4 < ● <= 6
- 3 < ● <= 5
- 2 < ● <= 4
- 1 < ● <= 3
- 0 < ● <= 2
- 0 < ● <= 1

MOLYBDENUM (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/7W	Scale 1:10000
Date APRIL 1988	Report No.	Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION

MOLYBDENUM (ppm)



Concentration  
 Mean = 1.413  
 SD = .943

Number Samples = 264  
 Minimum Value = 1  
 Maximum Value = 8

SUBSET CRITERIA

Property Code (s) = [] East North  
 Sample Type (s) = []  
 Lab. Code (s) = []

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

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VOLCANO GROUP

Project Code

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Report No.

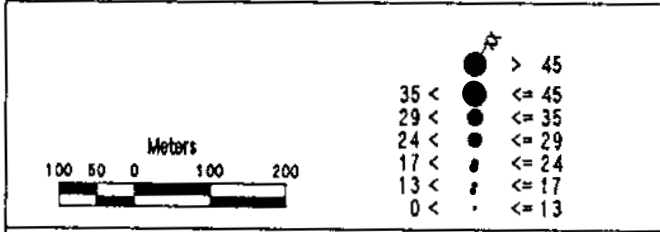
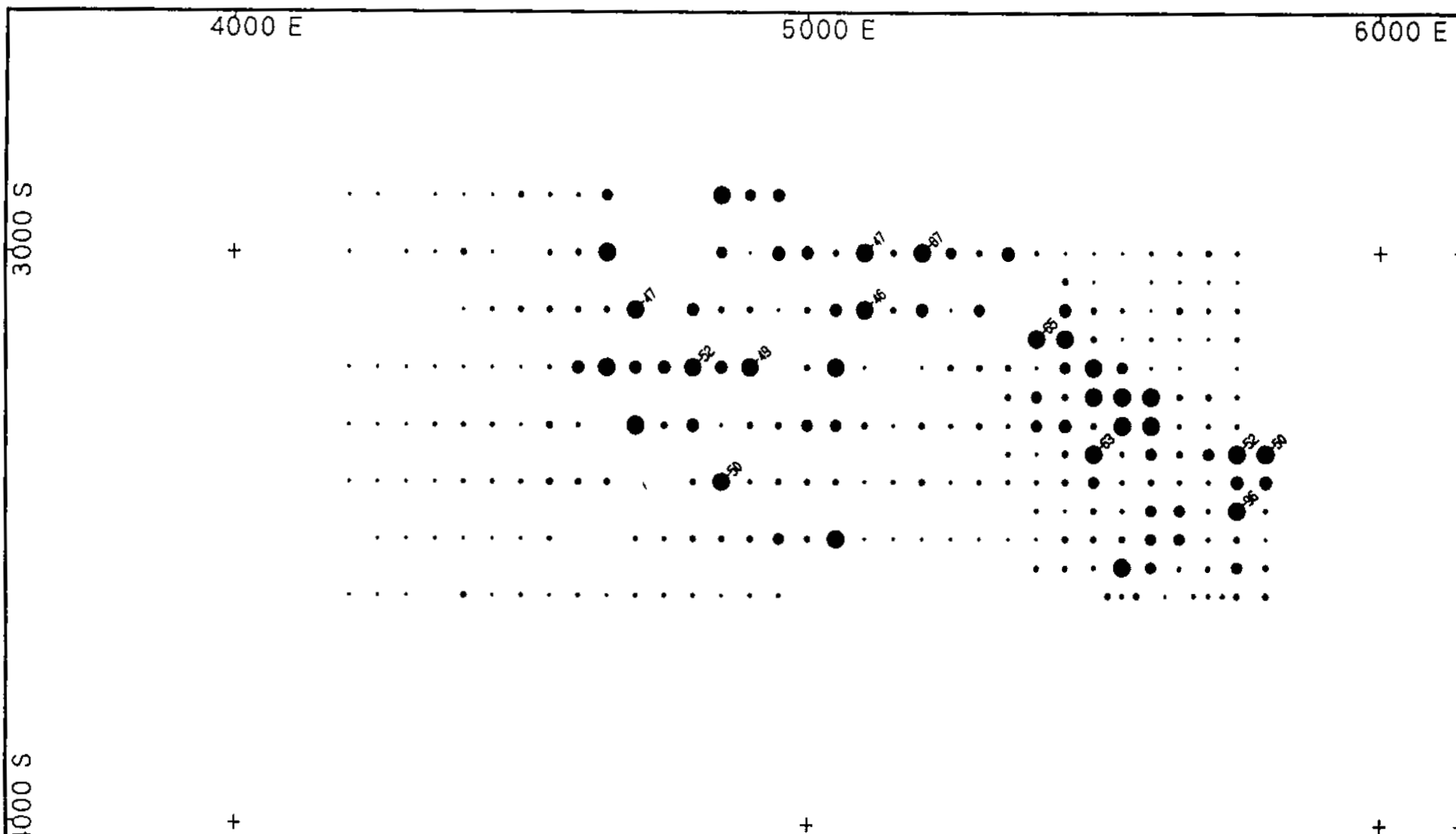
M.T.S.

Fig. No.

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NEW BRIDGE DEVELOPMENT CORPORATION

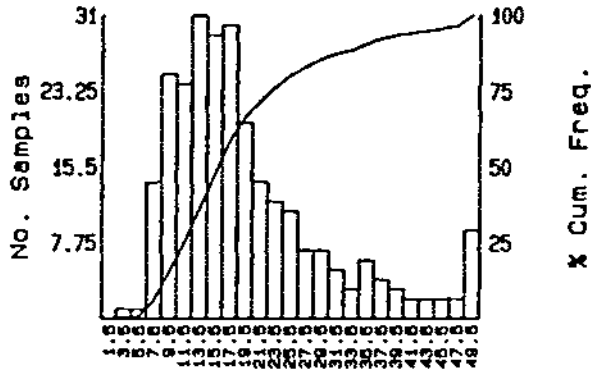


<b>NICKEL</b> (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/7W	Scale 1:10000
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NEW BRIDGE DEVELOPMENT CORPORATION

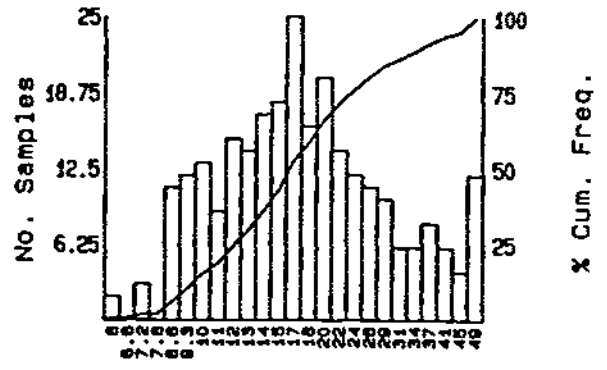
NICKEL (ppm)

TRUNCATED ARITHMETIC



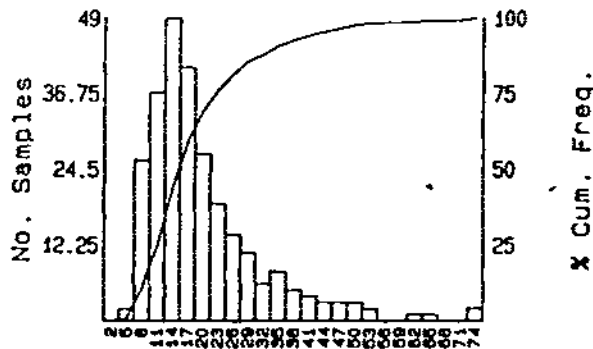
Concentration  
 Mean = 18.064  
 SD = 7.952

TRUNCATED LOGARITHMIC



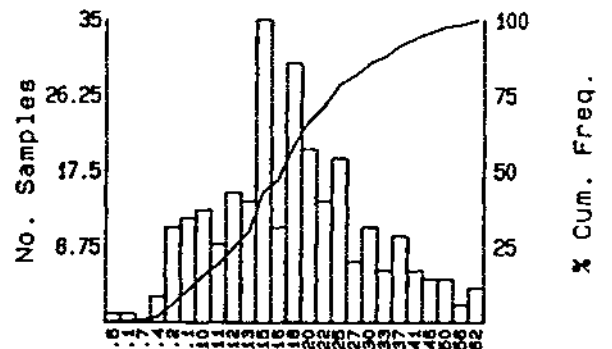
Concentration  
 Mean = 16.537  
 SD = .189

ARITHMETIC



Concentration  
 Mean = 20.205  
 SD = 12.223

LOGARITHMIC



Concentration  
 Mean = 17.624  
 SD = .219

Number Samples = 264  
 Minimum Value = 4  
 Maximum Value = 96

SUBSET CRITERIA

Property Code (s) = [ ] East North  
 Sample Type (s) = [ ]  
 Lab. Code (s) = [ ]

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

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VOLCANO GROUP

Project Code

Date

Report No.

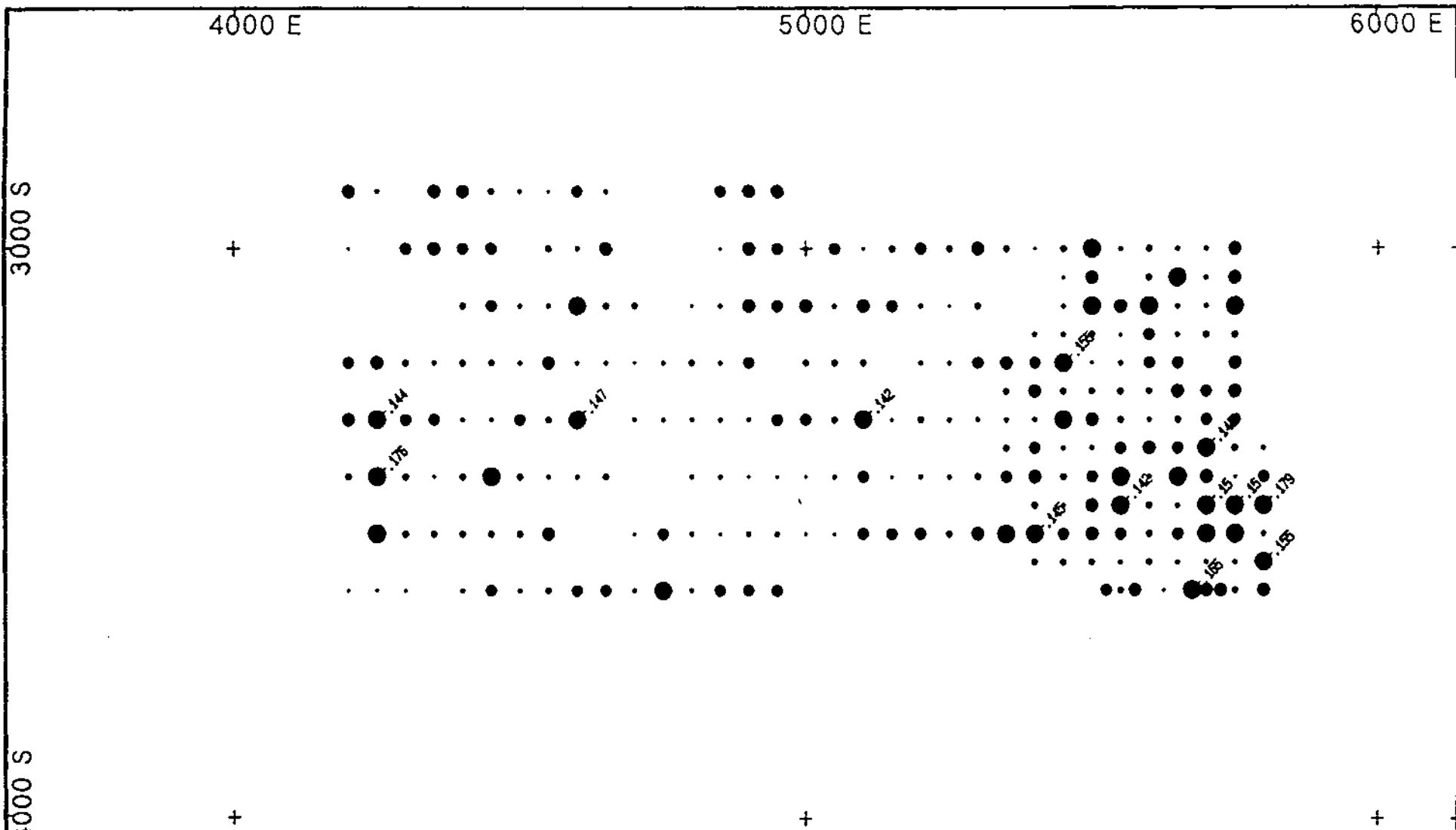
N.T.S.

Fig. No.

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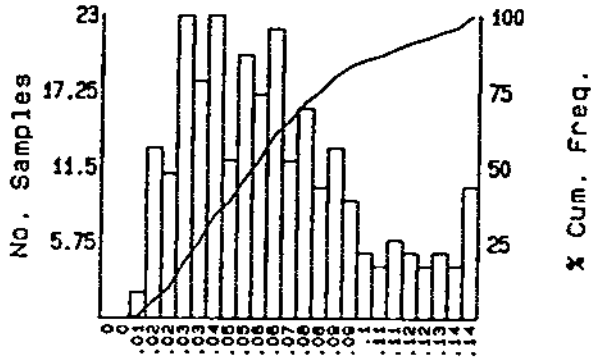
NEW BRIDGE DEVELOPMENT CORPORATION



				<b>PHOSPHORUS (%)</b>	
		VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		Project No. NTS	Scale 1:10000
NEW BRIDGE DEVELOPMENT CORPORATION		Date APRIL 1988	Report No. 82E/TW	Fig. No.	

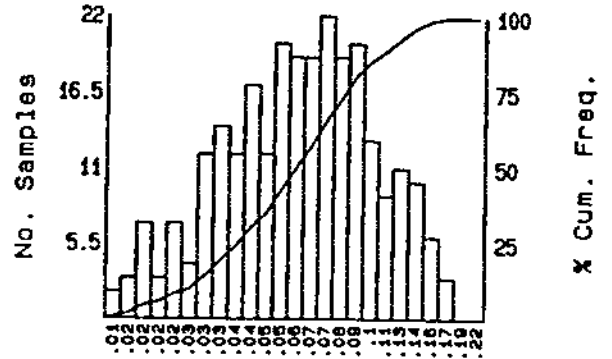
PHOSPHORUS (%)

TRUNCATED ARITHMETIC



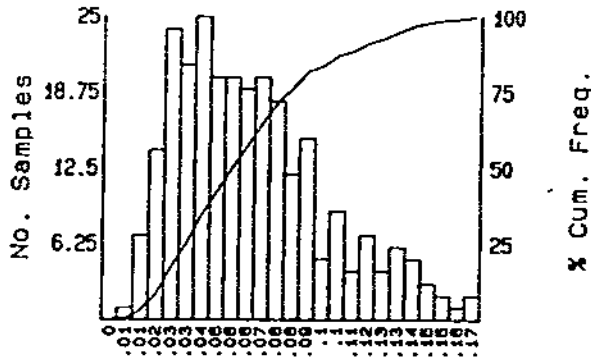
Concentration  
 Mean = .063  
 SD = .028

TRUNCATED LOGARITHMIC



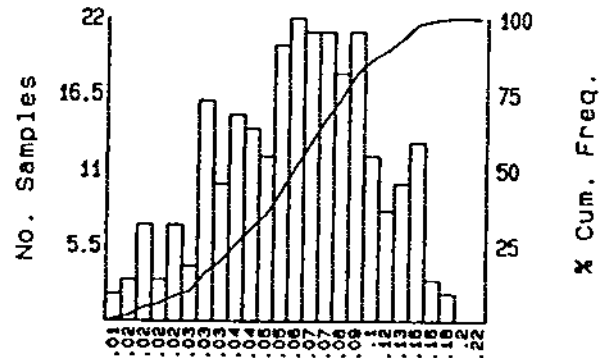
Concentration  
 Mean = .06  
 SD = 0

ARITHMETIC



Concentration  
 Mean = .07  
 SD = .035

LOGARITHMIC



Concentration  
 Mean = .061  
 SD = 0

Number Samples = 264  
 Minimum Value = .013  
 Maximum Value = .179

SUBSET CRITERIA

Property Code (s) = [ ] East North  
 Sample Type (s) = [ ]  
 Lab. Code (s) = [ ]

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Project Name

VOLCANO GROUP

Project Code

Date

Report No.

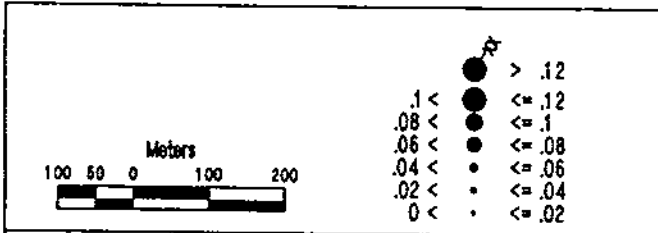
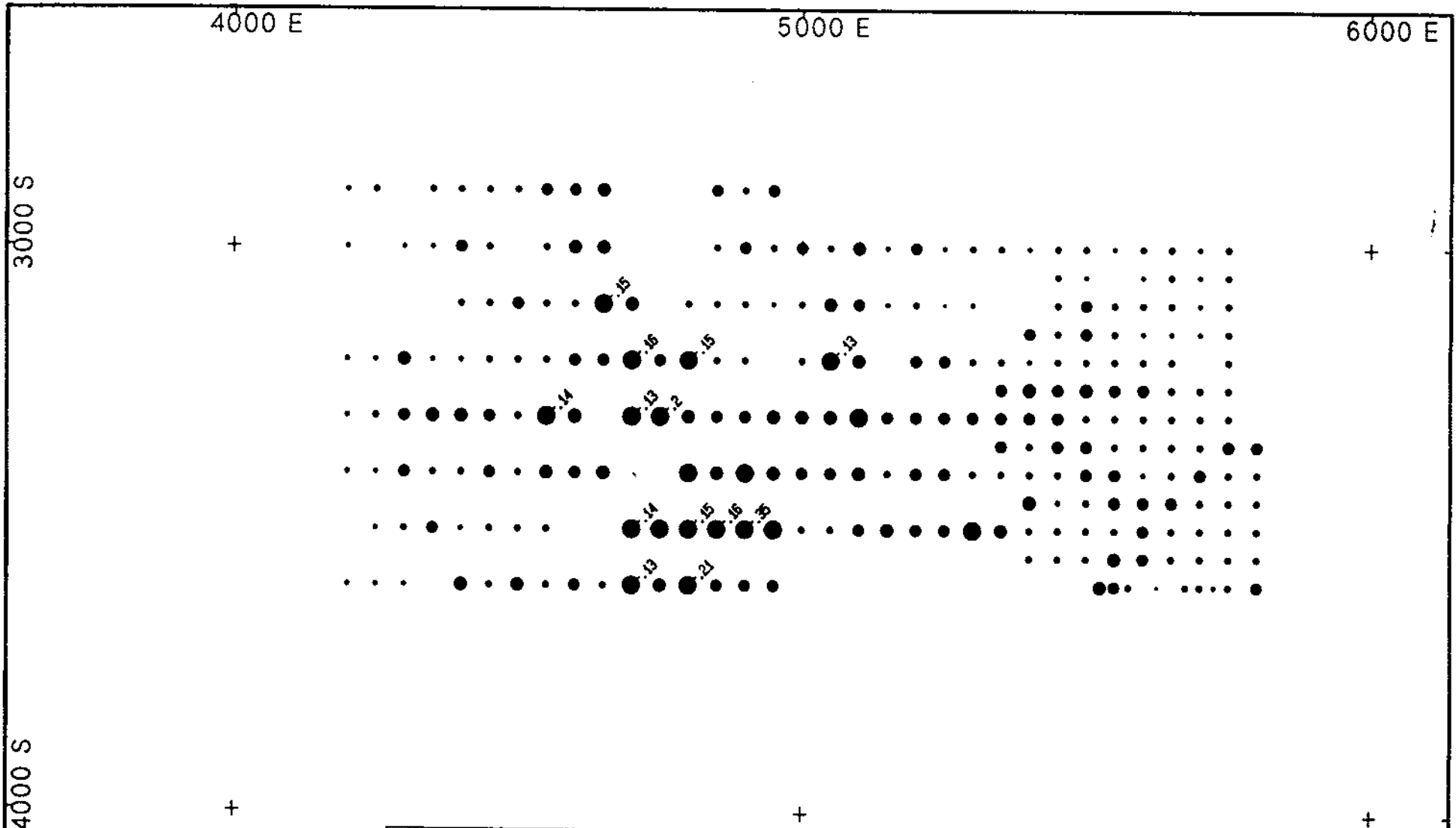
N.T.S.

Fig. No.

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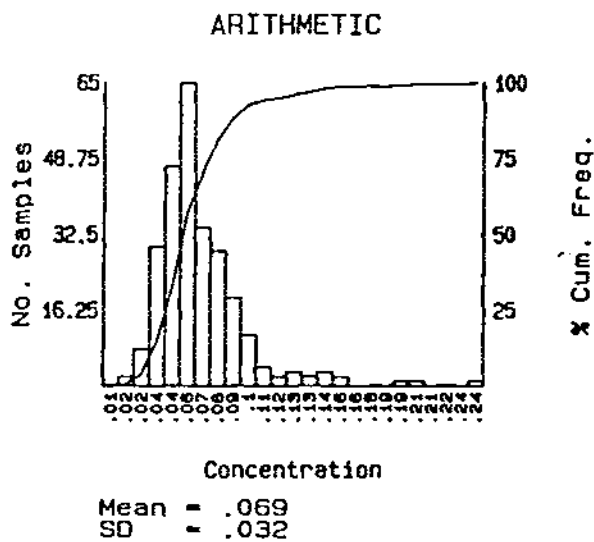
NEW BRIDGE DEVELOPMENT CORPORATION



<b>POTASSIUM (%)</b>		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
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POTASSIUM (%)



Number Samples = 264  
Minimum Value = .02  
Maximum Value = .35

SUBSET CRITERIA  
Property Code (s) = [] East North  
Sample Type (s) = []  
Lab. Code (s) = []

1987 SOIL GEOCHEMISTRY

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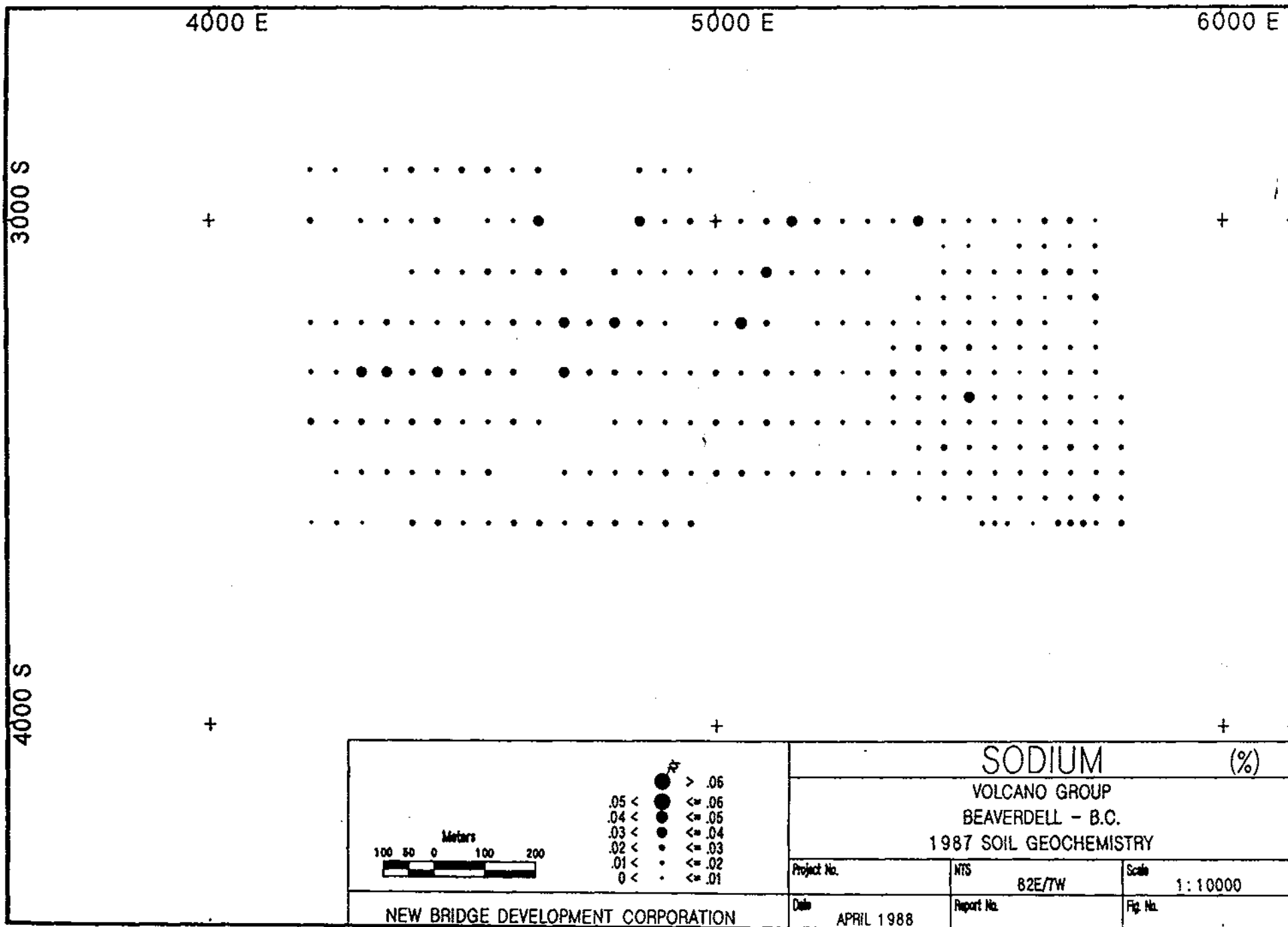
Fig. No.

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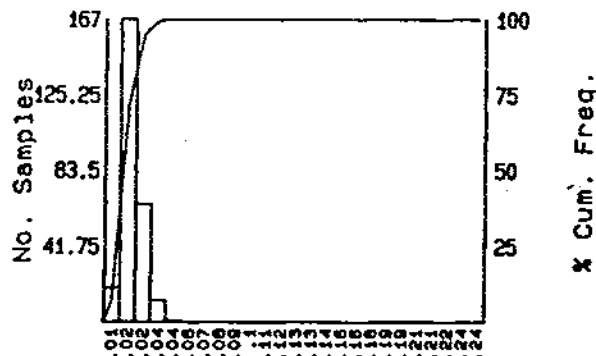
NEW BRIDGE DEVELOPMENT CORPORATION





SODIUM (%)

ARITHMETIC



Concentration

Mean = .023  
SD = .007

Number Samples = 264  
Minimum Value = .01  
Maximum Value = .05

SUBSET CRITERIA

Property Code (s) -  East North  
Sample Type (s) -   
Lab. Code (s) -

1987 SOIL GEOCHEMISTRY

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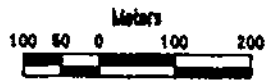
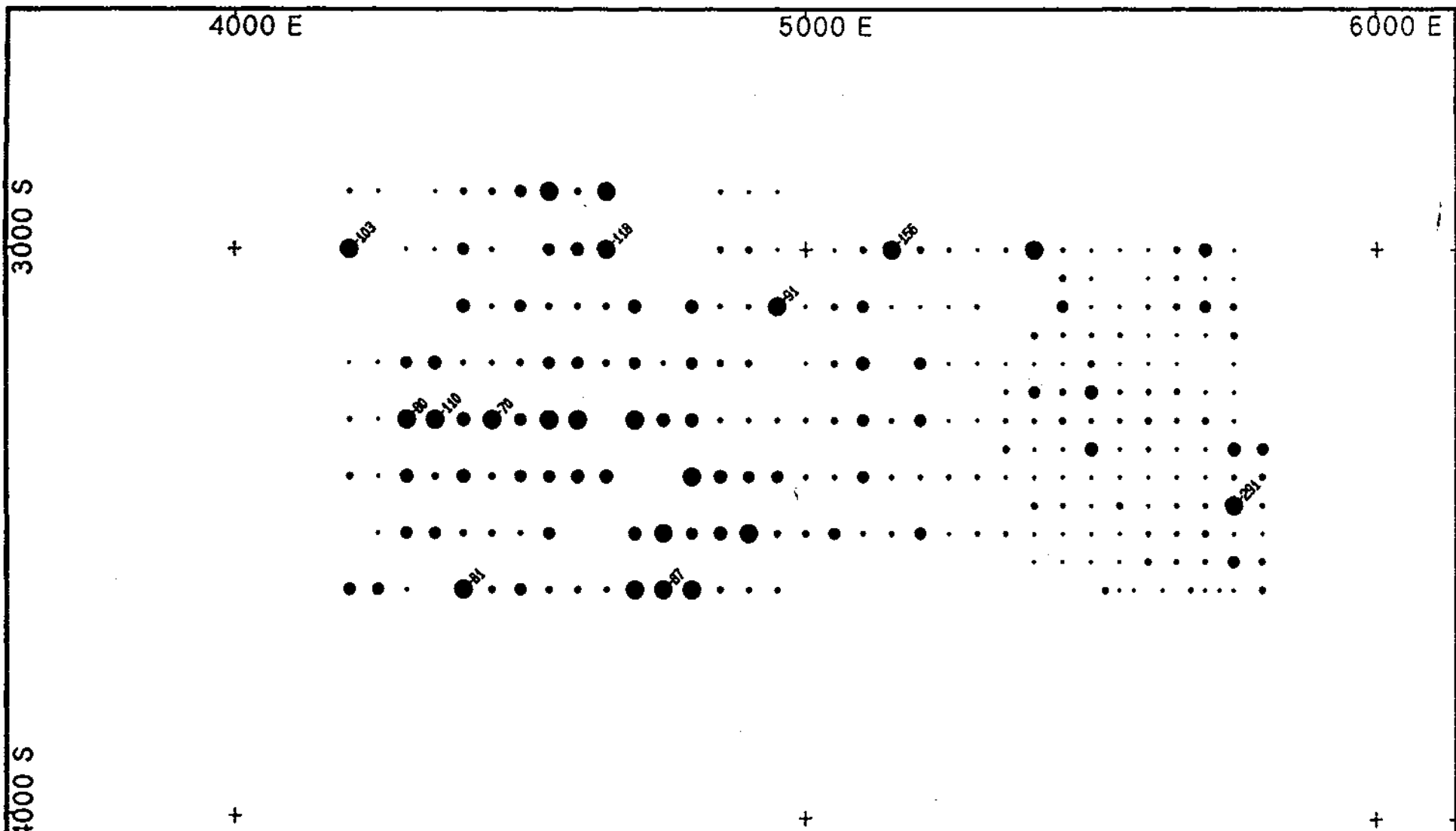
N.T.S.

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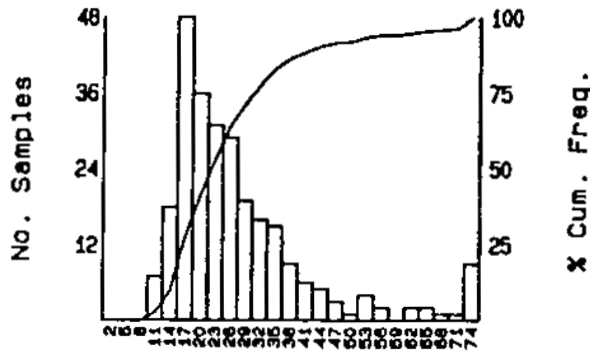
- > 68
- 50 <
- 37 <
- 30 <
- 24 <
- 19 <
- 0 <

<b>STRONTIUM</b> (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
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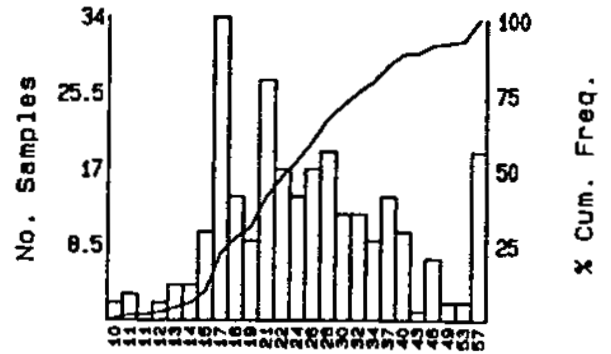
# STRONTIUM (ppm)

**TRUNCATED ARITHMETIC**



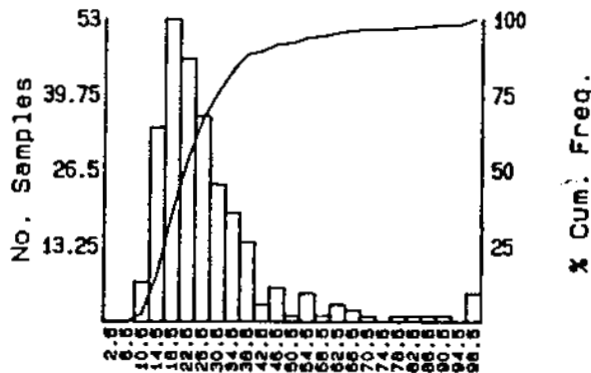
Concentration  
 Mean = 26.012  
 SD = 11.178

**TRUNCATED LOGARITHMIC**



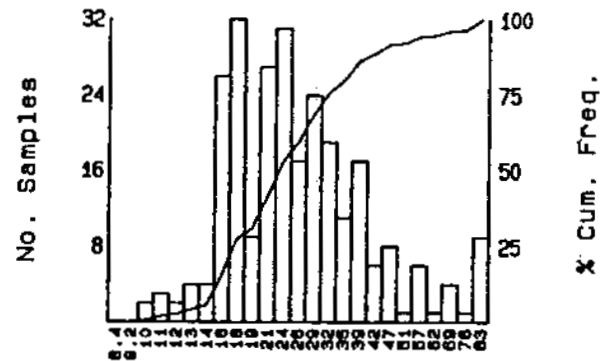
Concentration  
 Mean = 23.481  
 SD = .156

**ARITHMETIC**



Concentration  
 Mean = 29.356  
 SD = 23.979

**LOGARITHMIC**



Concentration  
 Mean = 25.357  
 SD = .208

Number Samples = 264  
 Minimum Value = 10  
 Maximum Value = 291

**SUBSET CRITERIA**

Property Code (s) =  East       North  
 Sample Type (s) =   
 Lab. Code (s) =

**1987 SOIL GEOCHEMISTRY**

**BEAVERDELL - B.C.**

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**VOLCANO GROUP**

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Date

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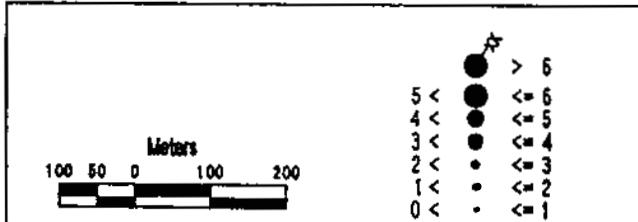
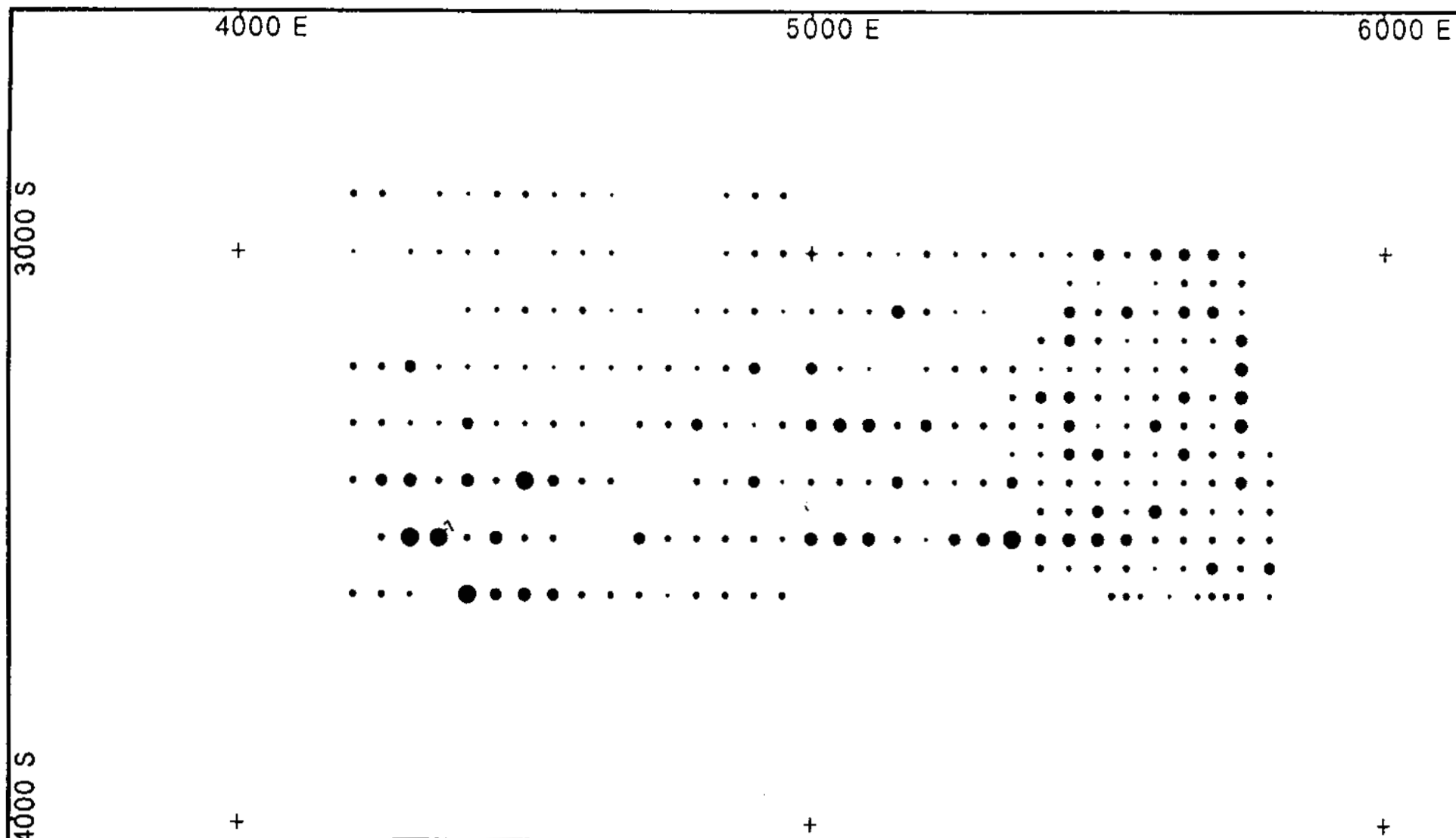
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Fig. No.

**NEW BRIDGE DEVELOPMENT CORPORATION**

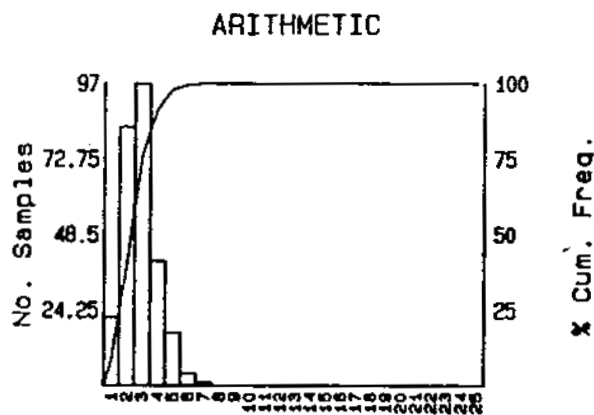


THORIUM (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
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THORIUM (ppm)



Concentration  
 Mean = 2.86  
 SD = 1.113

Number Samples = 264  
 Minimum Value = 1  
 Maximum Value = 7

SUBSET CRITERIA

Property Code (s) -  East North  
 Sample Type (s) -   
 Lab. Code (s) -

1987 SOIL GEOCHEMISTRY

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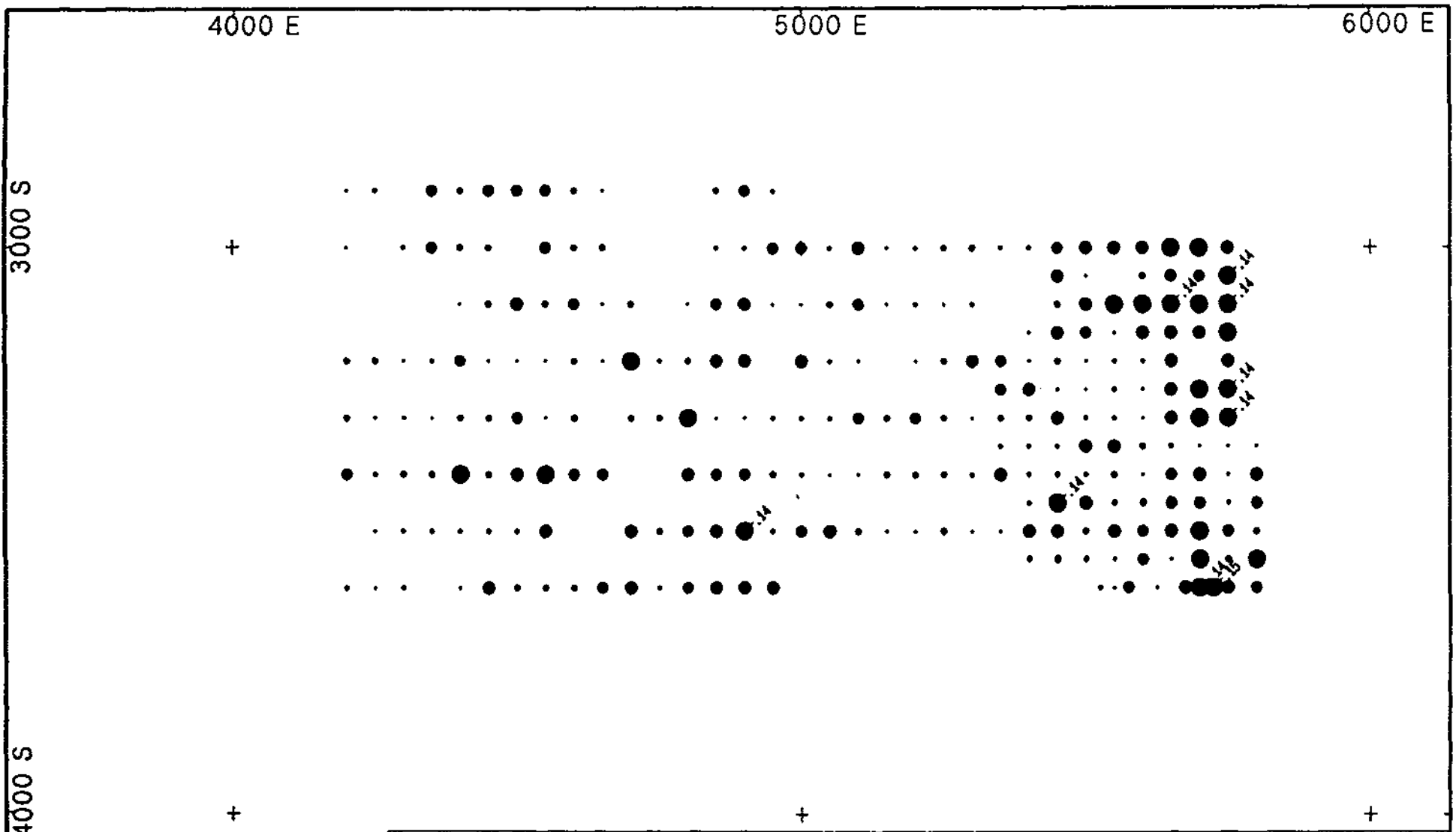
Report No.

NTS

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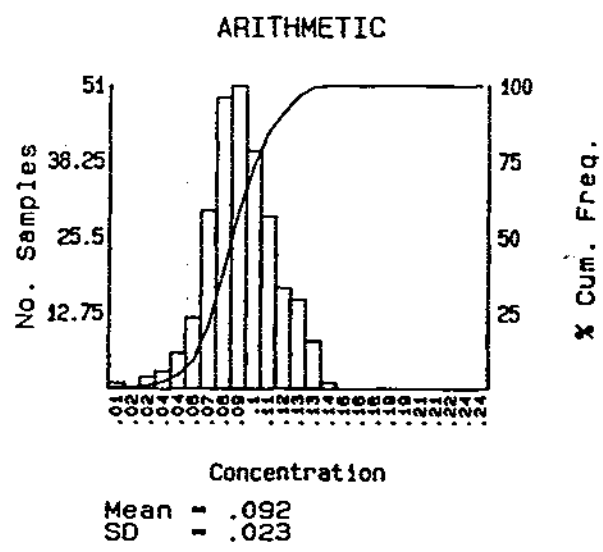
Fig. No.

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		<b>TITANIUM (%)</b>		
	.12 < ● > .13 .1 < ● <= .13 .09 < ● <= .12 .08 < ● <= .1 .07 < ● <= .09 0 < ● <= .08 0 < ● <= .07	VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
NEW BRIDGE DEVELOPMENT CORPORATION		Project No. NTS	82E/TW	Scale 1:10000
		Date APRIL 1988	Report No.	Fig. No.

TITANIUM (%)



Number Samples = 264  
Minimum Value = .01  
Maximum Value = .15

SUBSET CRITERIA  
Property Code (s) - ( ) East North  
Sample Type (s) - ( )  
Lab. Code (s) - ( )

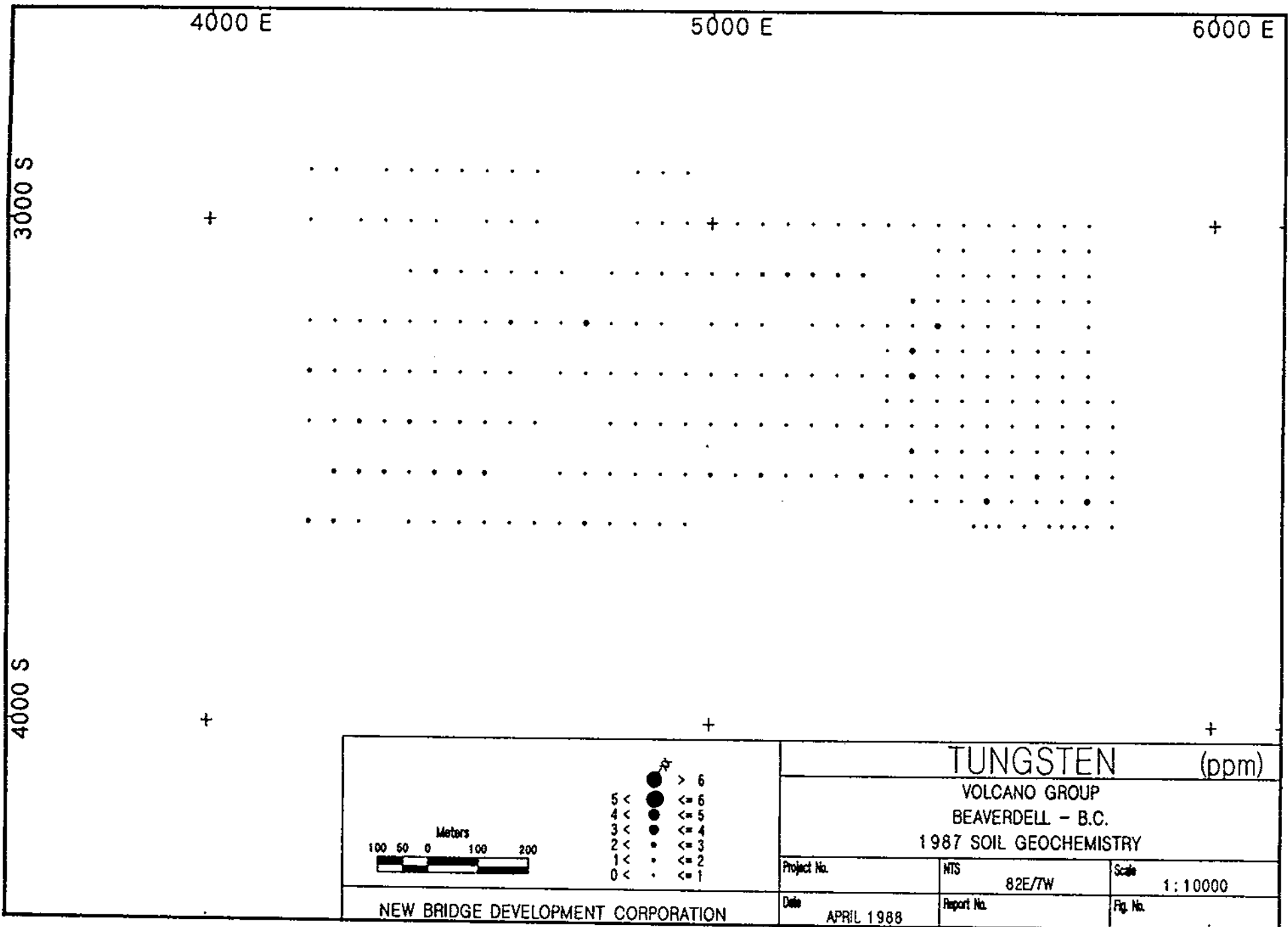
1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name				
VOLCANO GROUP				
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NEW BRIDGE DEVELOPMENT CORPORATION





4000 E

5000 E

6000 E

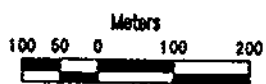
3000 S

4000 S

TUNGSTEN (ppm)

VOLCANO GROUP  
BEAVERDELL - B.C.

1987 SOIL GEOCHEMISTRY



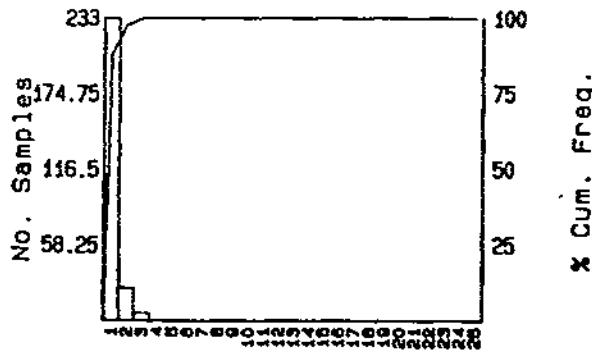
- > 6
- ≤ 6
- ≤ 5
- ≤ 4
- ≤ 3
- ≤ 2
- ≤ 1

Project No.	NTS	Scale
	82E/TW	1:10000
Date	Report No.	Fig. No.
APRIL 1988		

NEW BRIDGE DEVELOPMENT CORPORATION

TUNGSTEN (ppm)

ARITHMETIC



Concentration  
 Mean = 1.14  
 SD = .408

Number Samples = 264  
 Minimum Value = 1  
 Maximum Value = 3

SUBSET CRITERIA

Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

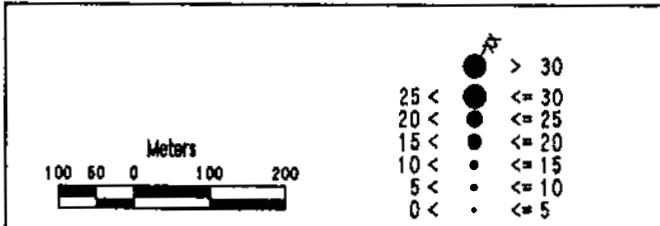
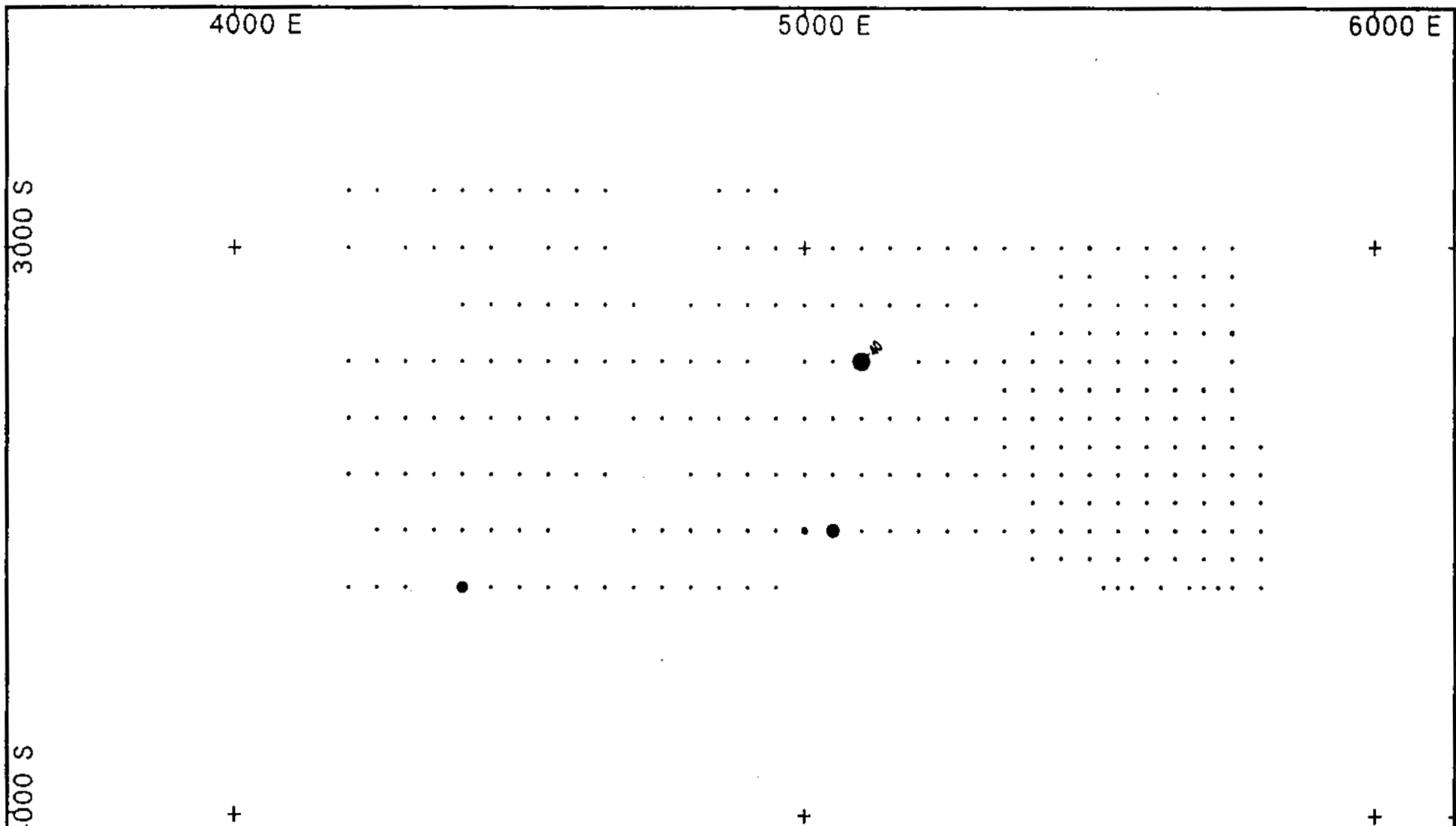
N.T.S.

Fig. No.

APRIL 1988

82E/TW

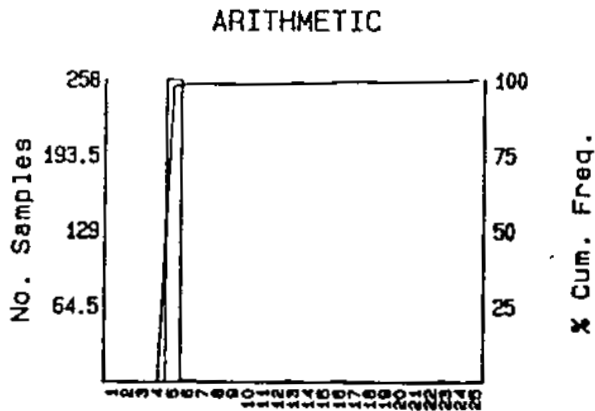
NEW BRIDGE DEVELOPMENT CORPORATION



<b>URANIUM</b> (ppm)		
VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY		
Project No.	NTS 82E/TW	Scale 1:10000
Date APRIL 1988	Report No.	Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION

URANIUM (ppm)



Concentration  
 Mean = 5.28  
 SD = 2.554

Number Samples = 264  
 Minimum Value = 5  
 Maximum Value = 40

SUBSET CRITERIA

Property Code (s) =  East North  
 Sample Type (s) =   
 Lab. Code (s) =

1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

Report No.

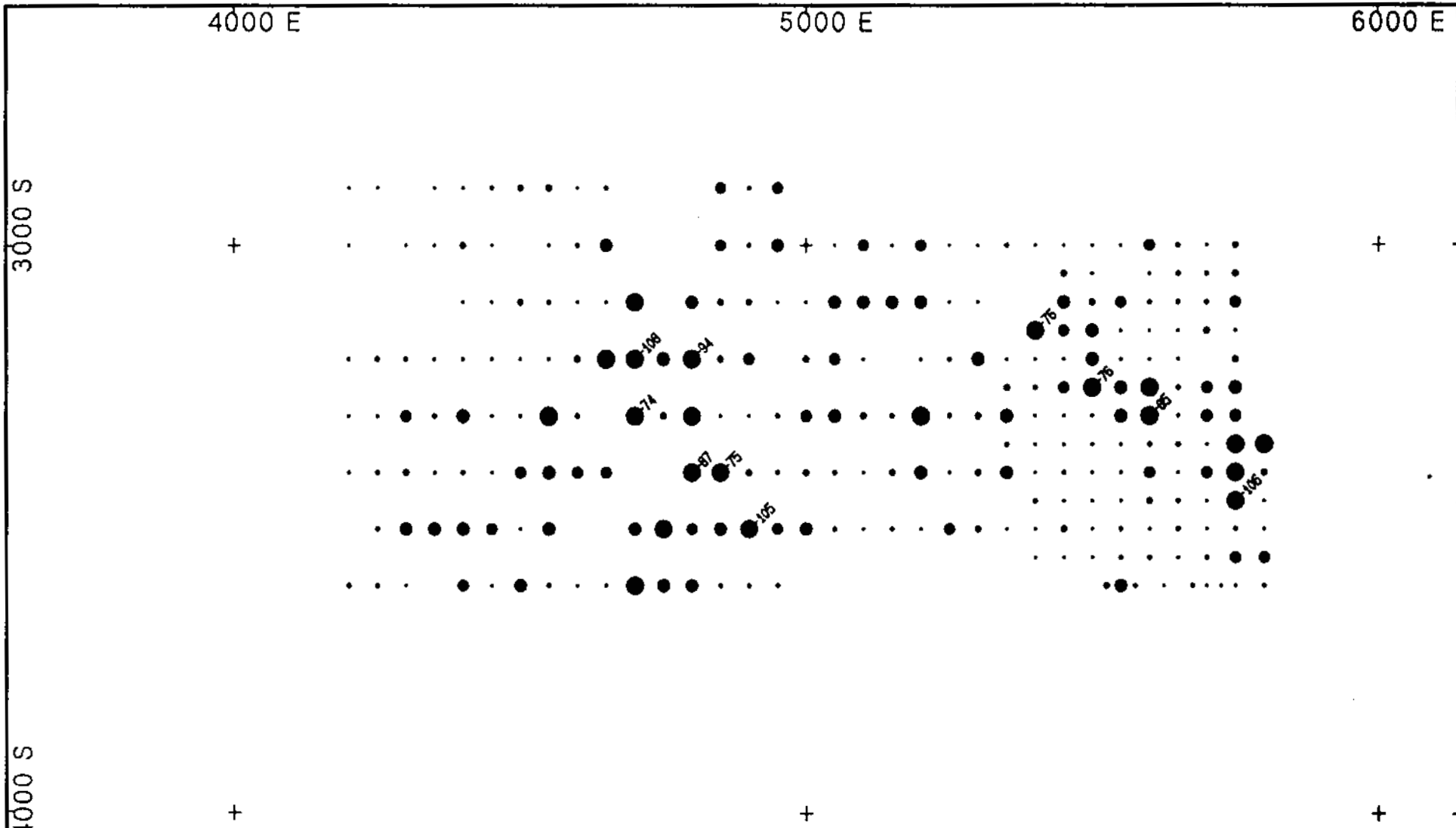
NTS

Fig. No.

APRIL 1988

82E/TW

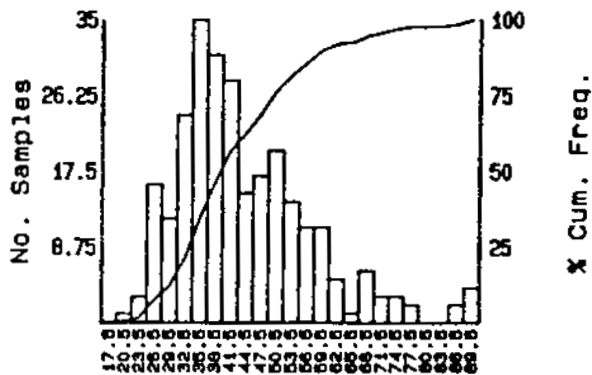
NEW BRIDGE DEVELOPMENT CORPORATION



	<ul style="list-style-type: none"> <li> &gt; 73</li> <li> ≤ 73</li> <li> ≤ 63</li> <li> ≤ 53</li> <li> ≤ 48</li> <li> ≤ 43</li> <li> ≤ 37</li> </ul>	<b>VANADIUM (ppm)</b> VOLCANO GROUP BEAVERDELL - B.C. 1987 SOIL GEOCHEMISTRY	
	Project No. NTS Date APRIL 1988	Report No. 82E/TW	Scale 1:10000 Fig. No.
NEW BRIDGE DEVELOPMENT CORPORATION			

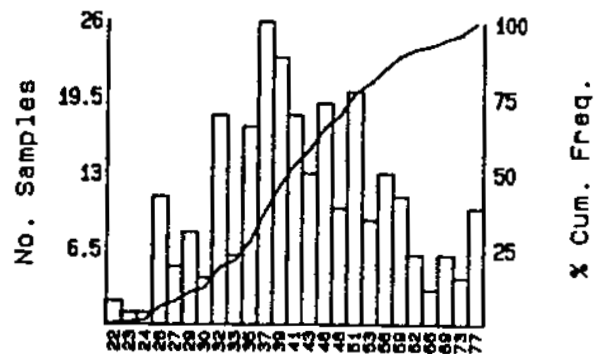
# VANADIUM (ppm)

### TRUNCATED ARITHMETIC



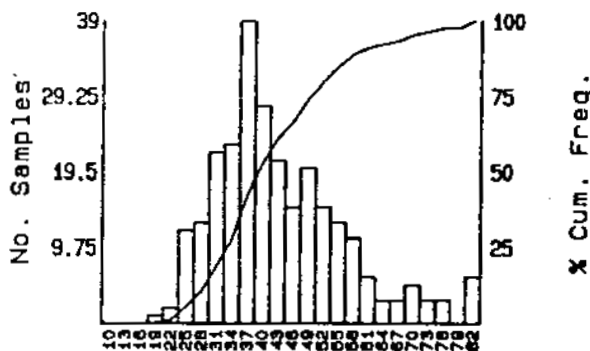
Mean = 41.752  
SD = 10.586

### TRUNCATED LOGARITHMIC



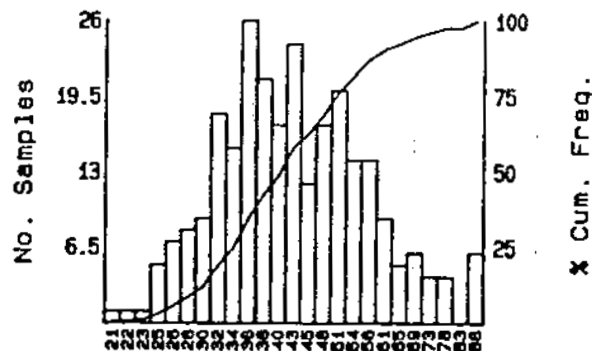
Mean = 40.619  
SD = .112

### ARITHMETIC



Mean = 43.977  
SD = 14.302

### LOGARITHMIC



Mean = 42.003  
SD = .129

Number Samples = 264  
Minimum Value = 20  
Maximum Value = 108

#### SUBSET CRITERIA

Property Code (s) =  East       North  
Sample Type (s) =   
Lab. Code (s) =

## 1987 SOIL GEOCHEMISTRY

BEAVERDELL - B.C.

Project Name

VOLCANO GROUP

Project Code

Date

APRIL 1988

Report No.

N.T.S.

82E/TW

Fig. No.

NEW BRIDGE DEVELOPMENT CORPORATION

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7R 1T2

T: (604) 980-5814 DR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: J.P. STEVENSON & ASSOC.

File: 7-885/P1

Project:


Date: JULY 28/87

Attention: J.P. STEVENSON

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
3901	.004			.6	0.02	.01	0.001
7-11-3	.930			5.7	0.17	.64	0.019
7-11-4	1.090			7.4	0.22	3.20	0.093
15-7-1		1.02	11.10	99.0	2.89		
15-7-2		13.80	2.14	1360.0	39.67		
15-7-3		1.35	.18	40.0	1.17		
7-16-1		4.34	.02	64.7	2.47		
7-16-2		17.50	2.27	194.0	5.66		
7-16-3		3.08	2.30	54.8	1.59		
7-16-4		.37	.62	10.2	0.30		
7-16-5		.02	.81	47.0	1.37		
7-16-6		.54	1.07	113.0	3.30		
7-16-7		.03	3.72	32.3	0.94		

Certified by 

MIN-EN LABORATORIES LTD.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML J-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOIL AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAR 02 1988 DATE REPORT MAILED: *Mar 7/88* ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

J.P. STEVENSON & ASSOC. File # 88-0605 Page 1

SAMPLE#	MO	CU	PB	ZN	AS	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	PPM
29+00S 42+00E	1	17	5	59	.1	8	5	365	1.84	6	5	ND	3	23	1	2	2	32	.26	.096	8	11	.24	77	.07	2	1.36	.02	.04	1	33
29+00S 42+50E	1	8	2	39	.1	7	4	121	1.70	4	5	ND	3	18	1	2	2	31	.20	.034	8	9	.16	45	.08	3	1.15	.02	.05	1	5
29+00S 43+50E	1	10	7	59	.1	9	4	342	1.67	14	5	ND	2	16	1	2	2	26	.14	.120	4	8	.13	67	.10	2	2.46	.02	.05	1	1
29+00S 44+00E	1	29	6	79	.1	12	6	534	1.68	14	5	ND	1	27	1	2	2	29	.21	.096	7	8	.22	95	.09	2	2.49	.03	.05	1	6
29+00S 44+50E	1	31	2	68	.1	13	6	202	2.17	6	5	ND	3	29	1	2	2	39	.23	.052	10	13	.32	98	.10	2	1.97	.02	.05	1	1
29+00S 45+00E	1	38	6	69	.2	19	8	295	2.44	10	5	ND	3	33	1	2	2	45	.27	.037	7	14	.39	85	.10	2	2.16	.03	.06	1	1
29+00S 45+50E	1	38	6	74	.1	14	8	375	2.48	6	5	ND	2	57	1	2	2	47	.63	.021	6	14	.43	86	.10	2	2.00	.03	.08	1	1
29+00S 46+00E	1	17	8	101	.1	16	6	833	2.00	19	5	ND	2	26	1	2	2	35	.21	.080	5	11	.27	109	.09	2	1.95	.02	.07	1	1
29+00S 46+50E	1	25	43	265	.2	27	9	2052	2.31	29	5	ND	1	53	2	2	2	42	.66	.033	6	18	.41	196	.07	7	1.71	.03	.10	1	1
29+00S 48+50E	1	21	51	249	1.0	40	8	560	2.69	58	5	ND	2	70	1	2	2	51	.22	.064	6	17	.34	125	.09	2	2.53	.03	.07	1	1
29+00S 49+00E	1	23	15	135	.9	26	6	430	2.35	36	5	ND	3	16	1	2	2	38	.17	.093	8	13	.30	137	.10	2	2.45	.02	.05	1	1
29+00S 49+50E	1	41	8	144	.3	33	9	705	3.07	11	5	ND	3	16	1	2	2	50	.18	.092	6	33	.69	191	.08	2	3.03	.02	.08	1	1
30+00S 42+00E	1	34	7	82	.3	9	4	438	1.39	8	5	ND	1	103	1	2	2	26	1.21	.030	9	9	.21	118	.04	2	.93	.03	.04	1	1
30+00S 43+00E	1	14	7	93	.1	7	4	880	1.66	11	5	ND	2	15	1	2	2	30	.15	.082	5	9	.11	99	.08	2	1.81	.02	.04	1	1
30+00S 43+50E	1	10	9	75	.1	8	4	494	1.48	6	5	ND	2	11	1	2	2	20	.09	.098	5	6	.09	62	.10	2	3.08	.02	.03	1	3
30+00S 44+00E	1	26	10	98	.1	20	8	300	2.46	11	5	ND	2	31	1	2	2	46	.32	.085	6	16	.43	101	.09	2	2.30	.02	.07	1	2
30+00S 44+50E	1	9	5	79	.1	11	5	458	1.51	8	5	ND	2	22	1	2	2	25	.17	.071	5	8	.16	86	.09	2	1.80	.03	.06	1	1
30+00S 45+50E	1	24	14	107	.1	17	7	677	2.00	14	5	ND	2	31	1	2	2	36	.26	.061	7	13	.29	108	.10	2	2.08	.02	.06	1	1
30+00S 46+00E	1	22	13	99	.3	19	8	810	2.28	13	5	ND	2	40	1	2	2	40	.47	.032	7	16	.40	167	.09	5	2.18	.02	.09	1	1
30+00S 46+50E	1	41	17	169	.3	38	25	1275	3.31	34	5	ND	2	118	1	2	2	60	.61	.099	7	27	.83	120	.09	4	2.76	.04	.10	1	12
30+00S 48+50E	1	34	6	119	.3	25	9	449	2.67	8	5	ND	2	25	1	2	2	53	.40	.023	9	29	.57	129	.08	2	2.42	.04	.06	1	1
30+00S 49+00E	1	23	18	144	.1	13	7	705	2.16	15	5	ND	3	28	1	2	2	38	.36	.110	9	14	.34	126	.08	2	1.66	.02	.07	1	11
30+00S 49+50E	1	26	18	129	.3	30	9	406	2.88	17	5	ND	3	17	1	2	2	54	.21	.078	7	23	.59	156	.10	2	3.05	.03	.06	1	1
30+00S 50+00E	1	28	10	107	.2	35	8	278	2.61	11	5	ND	3	17	1	2	2	43	.16	.035	7	26	.59	374	.10	2	3.03	.02	.07	1	1
30+00S 50+50E	1	26	6	108	.3	23	7	441	2.17	15	5	ND	2	17	1	2	2	37	.17	.073	5	18	.41	141	.08	2	2.25	.02	.06	1	1
30+00S 51+00E	1	37	4	140	.3	47	11	286	3.03	9	5	ND	2	27	1	2	2	53	.28	.029	6	35	.66	165	.11	2	2.91	.03	.09	1	1
30+00S 51+50E	2	40	5	168	.7	22	5	412	1.90	9	5	ND	1	156	2	2	2	34	3.71	.055	5	26	.46	111	.04	3	1.62	.04	.04	1	2
30+00S 52+00E	6	30	26	1752	.2	87	7	985	3.00	16	5	ND	3	27	4	2	3	50	.35	.075	12	26	.41	123	.08	2	2.10	.03	.07	1	1
30+00S 52+50E	1	16	11	259	.4	28	6	606	2.08	9	5	ND	2	21	1	2	2	36	.23	.056	6	16	.27	165	.09	2	2.42	.02	.04	1	1
30+00S 53+00E	1	13	10	217	.3	23	5	734	1.89	12	5	ND	2	15	1	2	2	31	.17	.100	5	12	.21	124	.09	3	2.26	.02	.05	1	2
30+00S 53+50E	1	19	12	318	.3	35	7	786	2.48	12	5	ND	2	22	1	2	2	42	.24	.059	6	19	.41	133	.08	4	2.17	.02	.06	1	2
30+00S 54+00E	1	91	8	104	1.2	15	5	77	2.25	6	5	ND	2	67	1	2	2	35	1.00	.027	25	13	.24	178	.08	2	3.53	.04	.04	1	1
30+00S 54+50E	1	18	12	99	.3	10	5	724	1.92	9	5	ND	2	20	1	2	2	32	.18	.062	6	11	.21	116	.10	2	2.47	.02	.05	1	1
30+00S 55+00E	1	31	10	111	.3	12	7	921	2.33	149	6	ND	4	15	1	2	2	37	.14	.131	7	11	.23	113	.12	2	3.44	.02	.05	1	2
30+00S 55+50E	1	19	8	81	.2	12	6	315	2.11	14	5	ND	3	13	1	2	2	36	.15	.045	5	12	.23	68	.12	2	2.72	.02	.04	1	1
30+00S 56+00E	1	20	16	104	.1	15	7	424	2.65	7	5	ND	4	15	1	2	2	50	.18	.058	7	16	.36	111	.11	2	2.26	.01	.05	1	1
STD C/AU-S	18	57	36	132	7.1	69	29	1050	4.05	39	23	7	38	47	18	17	19	56	.48	.086	38	57	.89	175	.07	34	1.81	.08	.13	13	51



SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BT PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUX PPB
30+005 56+50E	1	33	11	290	.6	17	7	259	2.39	31	5	ND	4	25	1	2	2	41	.29	.045	11	13	.22	66	.13	2	3.50	.03	.05	1	8
30+005 57+00E	1	65	11	143	.7	18	7	1148	2.44	4	5	ND	4	38	1	2	2	35	.56	.048	46	15	.31	54	.13	2	3.38	.03	.04	1	4
30+005 57+50E	1	29	8	134	.2	16	10	535	2.90	6	5	ND	3	16	1	2	3	45	.16	.097	9	13	.35	89	.12	3	3.31	.01	.05	1	1
30+505 54+50E	1	34	9	126	.4	22	9	524	2.60	15	5	ND	2	25	1	2	2	48	.20	.025	6	16	.45	199	.11	2	3.56	.01	.05	1	1
30+505 55+00E	1	19	13	94	.2	9	5	651	1.47	9	5	ND	1	16	1	2	2	26	.13	.109	4	9	.19	117	.06	3	1.31	.01	.04	1	1
30+505 56+00E	1	15	7	102	.1	10	6	1077	1.85	2	5	ND	1	16	1	2	2	34	.19	.053	4	11	.25	107	.09	3	1.65	.02	.04	1	1
30+505 56+50E	1	22	7	135	.1	12	6	730	2.26	10	5	ND	3	22	1	2	2	42	.24	.127	7	13	.35	135	.10	3	2.39	.02	.06	1	1
30+505 57+00E	1	21	7	88	.2	11	6	389	2.10	59	5	ND	3	18	1	2	2	41	.20	.036	8	14	.32	90	.10	3	1.65	.01	.03	1	28
30+505 57+50E	1	25	9	115	.2	12	7	722	2.56	2	5	ND	3	18	1	2	3	44	.18	.116	6	11	.29	134	.14	2	3.71	.02	.05	1	1
31+005 44+00E	1	27	10	113	.2	12	6	578	1.96	9	5	ND	2	45	1	2	2	37	.96	.062	6	13	.34	88	.07	5	1.70	.02	.06	1	1
31+005 44+50E	1	15	11	130	.2	14	6	618	1.95	18	5	ND	2	21	1	2	2	34	.20	.076	5	12	.29	105	.09	4	1.83	.02	.05	2	1
31+005 45+00E	1	34	12	148	.4	21	8	444	2.60	10	5	ND	3	31	1	2	2	47	.30	.049	9	18	.48	134	.11	4	2.69	.02	.08	1	1
31+005 45+50E	1	19	12	116	.1	18	7	709	2.21	10	5	ND	2	27	1	2	2	40	.30	.043	6	15	.40	133	.09	7	2.09	.03	.06	1	1
31+005 46+00E	1	20	10	133	.3	18	7	427	2.14	27	5	ND	3	27	1	2	2	35	.30	.140	5	13	.32	135	.10	4	2.65	.02	.06	1	1
31+005 46+50E	1	15	11	155	.1	23	7	629	2.18	6	5	ND	1	25	1	2	2	36	.45	.056	5	19	.47	168	.06	6	2.00	.03	.15	1	1
31+005 47+00E	1	68	40	261	.9	47	16	834	3.45	9	5	ND	2	38	2	2	2	71	.80	.059	9	33	1.02	130	.09	6	2.40	.03	.10	1	1
31+005 48+00E	1	31	62	193	.4	32	11	1807	2.62	15	5	ND	2	38	1	2	2	58	.77	.030	6	24	.67	140	.07	5	1.71	.03	.06	1	1
31+005 48+50E	1	22	11	114	.3	19	8	609	2.47	11	5	ND	2	21	1	2	2	45	.26	.031	6	15	.43	182	.10	4	2.41	.02	.06	1	3
31+005 49+00E	1	27	9	120	.4	23	9	782	2.46	9	5	ND	3	22	1	2	2	44	.27	.095	7	15	.45	157	.11	5	2.70	.02	.06	1	1
31+005 49+50E	8	19	8	120	.3	13	5	354	1.23	8	5	ND	1	91	1	2	2	23	2.68	.076	3	8	.23	137	.05	6	1.23	.02	.04	1	1
31+005 50+00E	1	14	23	159	.5	22	5	336	1.86	15	5	ND	2	17	1	2	2	29	.18	.095	5	13	.26	154	.07	3	2.21	.02	.05	1	1
31+005 50+50E	1	37	15	142	.4	32	10	698	2.91	6	5	ND	2	30	1	2	2	57	.34	.042	7	32	.76	175	.09	4	2.29	.02	.09	1	1
31+005 51+00E	1	75	29	206	.5	46	16	819	3.59	19	5	ND	2	35	1	3	2	63	.52	.111	8	64	.92	133	.10	5	2.93	.04	.08	2	1
31+005 51+50E	2	30	7	252	.4	23	9	352	2.90	10	5	ND	5	17	1	3	2	54	.24	.084	10	26	.51	123	.07	2	2.06	.02	.04	2	1
31+005 52+00E	4	25	24	282	.2	31	8	473	2.73	11	5	ND	3	16	1	4	2	55	.18	.034	7	20	.32	323	.08	2	2.42	.02	.06	2	1
31+005 52+50E	1	8	16	187	.1	9	5	1366	1.52	2	5	ND	1	16	1	2	2	32	.17	.022	5	12	.21	165	.05	3	1.12	.02	.02	2	1
31+005 53+00E	2	10	8	278	.1	25	4	512	1.42	4	5	ND	1	20	3	2	2	27	.31	.065	4	7	.11	155	.08	3	1.10	.02	.03	2	1
31+005 54+50E	1	48	11	135	.5	30	10	263	3.38	16	5	ND	4	31	1	2	3	59	.39	.039	8	19	.63	133	.09	2	3.41	.02	.06	1	6
31+005 55+00E	1	43	11	159	.2	21	9	744	2.75	20	5	ND	3	18	1	2	2	48	.20	.126	7	17	.44	163	.12	2	3.35	.02	.07	1	1
31+005 55+50E	1	31	8	96	.3	15	8	482	2.75	14	5	ND	4	14	1	2	2	51	.13	.106	8	17	.42	105	.13	2	3.42	.02	.05	1	1
31+005 56+00E	1	23	11	115	.3	13	7	717	2.65	2	5	ND	2	22	1	2	2	42	.20	.134	8	14	.32	135	.13	3	3.13	.02	.05	1	1
31+005 56+50E	1	72	8	102	.6	18	7	758	2.36	10	5	ND	4	27	1	2	2	41	.38	.045	17	13	.25	71	.14	2	3.52	.03	.05	1	1
31+005 57+00E	1	45	10	85	.5	16	7	453	2.36	27	5	ND	4	34	1	2	2	38	.49	.035	16	15	.33	57	.13	2	3.24	.03	.04	1	1
31+005 57+50E	1	39	12	127	.3	14	7	429	2.88	9	5	ND	2	29	1	2	2	53	.24	.138	6	15	.31	93	.14	2	2.98	.02	.06	1	1
31+505 54+00E	3	47	38	354	.3	65	11	898	4.05	33	5	ND	3	29	2	3	2	76	.27	.039	8	34	.57	182	.07	3	2.30	.02	.09	2	1
31+505 54+50E	1	26	16	179	.2	42	8	439	3.00	20	5	ND	4	24	1	2	2	49	.20	.047	7	18	.43	147	.11	2	3.24	.02	.06	1	1
STD C/AU-S	18	57	36	132	7.3	69	29	1051	4.07	37	19	7	38	47	18	20	20	57	.48	.088	38	57	.94	176	.07	34	1.81	.07	.13	12	47

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SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CR %	P %	LA PPM	OR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	M PPM	AU# PPM
31+505 55+00E	1	42	13	156	.4	21	11	1006	2.89	23	5	ND	3	24	1	2	2	56	.28	.065	7	17	.43	167	.10	3	2.43	.02	.07	1	3
31+505 55+50E	1	9	9	76	.2	8	5	552	1.64	3	5	ND	1	21	1	2	2	31	.30	.027	5	12	.27	85	.05	2	1.49	.01	.05	1	19
31+505 56+00E	1	24	9	122	.3	14	6	372	2.15	14	5	ND	2	17	1	2	2	34	.19	.072	6	11	.23	98	.11	2	2.90	.02	.03	1	1
31+505 56+50E	1	12	11	69	.2	8	4	267	1.69	8	5	ND	2	10	1	2	2	31	.11	.031	3	9	.13	83	.11	3	1.58	.01	.04	1	45
31+505 57+00E	1	25	8	68	.1	13	6	491	2.59	11	5	ND	2	16	1	2	2	48	.17	.069	7	14	.35	87	.12	2	2.85	.02	.03	1	18
31+505 57+50E	1	33	9	106	.6	14	6	751	2.17	22	6	ND	4	26	1	2	2	36	.40	.055	16	12	.25	71	.13	2	3.40	.03	.05	1	9
32+005 42+00E	1	9	4	47	.2	9	4	289	1.56	7	5	ND	2	16	1	2	2	27	.18	.072	6	8	.12	57	.08	2	1.72	.02	.04	1	1
32+005 42+00E A	1	10	7	49	.2	10	4	227	1.81	5	5	ND	3	17	1	2	2	30	.20	.074	7	9	.14	60	.09	2	2.10	.01	.04	1	12
32+005 42+50E	1	28	3	60	.1	11	6	240	2.20	4	5	ND	3	17	1	2	2	39	.17	.091	7	11	.26	78	.08	2	1.82	.01	.04	1	2
32+005 42+50E A	1	30	7	69	.2	12	6	260	2.37	7	5	ND	3	19	1	3	2	43	.18	.097	8	12	.28	43	.09	2	2.01	.02	.03	1	3
32+005 43+00E	1	25	4	47	.1	9	5	362	2.20	4	5	ND	2	31	1	2	2	41	.40	.053	11	11	.30	49	.06	3	1.04	.02	.05	1	1
32+005 43+00E A	1	23	6	48	.1	9	6	394	2.18	3	5	ND	4	34	1	2	2	40	.42	.069	10	11	.32	58	.06	3	1.00	.02	.09	1	1
32+005 43+50E	1	17	8	37	.2	8	4	297	1.56	2	5	ND	2	39	1	2	2	27	.60	.039	7	8	.14	67	.08	2	1.94	.02	.04	1	1
32+005 43+50E A	1	15	9	32	.3	9	3	265	1.51	7	5	ND	1	36	1	2	2	25	.54	.040	7	8	.13	68	.08	3	1.95	.03	.04	1	1
32+005 44+00E	1	13	9	53	.1	10	4	316	1.85	11	5	ND	2	21	1	2	2	30	.32	.058	6	9	.15	66	.10	2	2.41	.02	.04	1	1
32+005 44+50E	1	11	10	102	.1	11	5	460	1.54	5	5	ND	2	21	1	2	2	26	.22	.052	5	10	.22	89	.07	2	1.45	.02	.05	1	1
32+005 45+00E	1	13	9	86	.1	10	5	748	1.76	3	5	ND	2	27	1	2	2	31	.34	.031	6	10	.22	110	.07	3	1.50	.02	.06	1	1
32+005 45+50E	1	11	20	146	.2	14	6	484	1.58	9	5	ND	1	34	1	2	2	26	.32	.116	3	11	.22	120	.06	3	1.48	.02	.06	1	1
32+005 46+00E	1	34	105	375	.8	34	10	403	2.73	15	5	ND	2	32	1	2	3	46	.43	.033	7	22	.54	162	.09	3	2.47	.03	.08	2	1
32+005 46+50E	1	52	173	597	.5	40	9	385	3.56	23	5	ND	2	28	1	2	3	67	.43	.035	11	31	.94	85	.05	2	2.53	.02	.07	1	7
32+005 47+00E	1	53	16	132	.5	35	15	349	4.73	14	5	ND	2	36	1	3	4	108	.75	.019	9	37	1.64	125	.13	2	3.66	.04	.16	1	1
32+005 47+50E	1	32	25	188	.3	34	10	375	3.11	18	5	ND	3	22	1	3	3	58	.34	.034	10	24	.60	127	.08	2	2.47	.03	.07	3	1
32+005 48+00E	1	50	22	232	.4	52	18	1361	4.29	11	5	ND	2	37	1	2	3	94	.59	.053	11	51	1.36	187	.09	5	2.97	.04	.15	1	1
32+005 48+50E	1	44	24	171	.5	31	10	218	2.64	25	5	ND	3	25	1	2	2	47	.29	.045	9	17	.50	148	.11	2	2.61	.03	.06	1	1
32+005 49+00E	1	44	95	204	.6	49	13	394	3.13	62	5	ND	4	27	1	2	3	51	.30	.071	8	23	.50	118	.11	2	3.17	.02	.05	1	1
32+005 50+00E	1	31	45	126	1.5	24	7	268	2.76	18	5	ND	4	15	1	2	2	46	.18	.056	10	20	.44	184	.11	2	3.28	.02	.05	1	1
32+005 50+50E	1	28	17	209	.3	41	13	357	3.00	8	5	ND	2	28	1	2	3	50	.48	.056	6	21	.67	185	.08	5	2.40	.05	.13	1	1
32+005 51+00E	5	33	11	100	.8	8	6	942	1.76	5	40	ND	1	45	1	2	2	28	1.65	.057	14	8	.16	550	.01	2	1.46	.03	.09	1	1
32+005 52+00E	2	21	13	89	.5	11	6	628	2.07	7	5	ND	2	31	1	2	2	36	.68	.031	16	17	.32	113	.05	2	1.92	.02	.07	1	1
32+005 52+50E	2	27	22	552	.4	19	6	437	2.45	9	5	ND	3	17	1	2	2	40	.24	.042	8	17	.32	177	.09	2	2.56	.02	.08	1	1
32+005 53+00E	1	34	18	207	.2	18	9	455	3.06	5	5	ND	3	13	1	2	3	59	.18	.090	7	16	.43	114	.12	2	3.23	.02	.06	1	1
32+005 53+50E	1	15	56	487	.3	21	6	647	2.11	10	5	ND	3	15	1	2	2	31	.15	.097	6	11	.19	121	.10	2	2.38	.02	.05	1	3
32+005 54+00E	1	7	13	281	.1	10	4	402	1.60	6	5	ND	1	11	1	2	2	30	.12	.080	5	12	.18	136	.07	2	.96	.01	.04	1	1
32+005 54+50E	2	16	99	1050	.4	26	7	784	2.92	25	5	ND	3	19	3	2	2	36	.18	.155	5	16	.32	185	.09	2	2.40	.02	.06	3	1
32+005 55+00E	2	22	15	242	.3	44	9	1078	3.25	15	5	ND	2	30	1	3	2	56	.34	.021	7	24	.51	120	.07	2	2.12	.02	.06	1	1
32+005 55+50E	1	13	8	205	.2	25	5	679	1.59	11	5	ND	2	16	1	2	2	25	.14	.039	4	11	.19	111	.08	2	2.00	.02	.05	1	1
STD L/AU-S	18	58	37	133	7.1	69	29	1057	4.10	39	18	?	27	47	19	18	21	57	.50	.987	79	57	.87	178	.07	24	1.84	.08	.13	11	53

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MM	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	M	AU#
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH	PPH
32+00S 56+00E	1	10	9	102	.2	8	4	335	1.54	12	5	ND	2	14	1	2	2	26	.18	.072	4	9	.15	72	.09	3	1.69	.03	.06	1	4
32+00S 56+50E	1	21	11	100	.3	13	7	380	2.12	15	5	ND	3	16	1	2	2	36	.17	.086	6	12	.26	111	.12	2	2.44	.02	.06	1	24
32+00S 57+50E	1	24	10	92	.3	13	7	404	2.40	11	5	ND	5	14	1	2	2	44	.15	.100	8	15	.35	123	.11	3	2.33	.02	.06	1	10
32+50S 53+50E	1	33	17	236	.4	18	9	1177	2.65	14	5	ND	3	20	1	2	2	48	.18	.069	7	14	.35	187	.10	4	2.27	.02	.07	1	2
32+50S 54+00E	2	20	59	632	.5	27	6	741	2.28	15	5	ND	4	32	2	2	2	39	.29	.095	7	16	.34	222	.11	4	2.56	.03	.09	3	1
32+50S 54+50E	3	27	14	311	.4	24	7	508	2.57	13	5	ND	4	26	2	2	2	50	.29	.070	10	18	.41	164	.07	5	1.72	.03	.07	1	2
32+50S 55+00E	3	85	34	348	.8	38	10	641	3.92	71	5	ND	3	38	2	3	2	76	.43	.056	18	29	.72	100	.06	3	1.75	.03	.09	1	13
32+50S 55+50E	2	20	18	448	.4	37	7	830	2.57	31	5	ND	2	20	2	2	2	56	.18	.062	5	23	.33	146	.08	3	2.04	.02	.07	1	1
32+50S 56+00E	2	50	13	285	.6	43	9	475	3.40	25	5	ND	3	21	1	2	2	70	.19	.054	8	32	.52	133	.07	3	2.01	.02	.07	1	1
32+50S 56+50E	1	34	7	112	.3	21	7	449	2.44	14	5	ND	4	20	1	2	2	42	.19	.091	11	14	.37	114	.12	2	2.84	.02	.06	1	1
32+50S 57+00E	1	42	9	109	.3	19	8	744	2.78	11	5	ND	3	18	1	2	2	50	.18	.072	8	16	.39	136	.13	2	2.99	.02	.06	1	1
32+50S 57+50E	1	51	10	91	.3	17	9	335	3.61	11	5	ND	5	15	1	2	2	55	.13	.095	11	16	.47	65	.14	2	3.48	.02	.05	1	1
33+00S 42+00E	1	17	5	44	.1	8	5	227	2.01	10	5	ND	3	23	1	2	2	36	.26	.096	8	11	.23	59	.09	4	1.46	.02	.04	2	1
33+00S 42+50E	1	8	3	37	.2	6	3	110	1.65	6	5	ND	3	19	1	2	2	29	.20	.144	6	8	.15	48	.07	3	1.57	.02	.06	1	1
33+00S 43+00E	1	47	11	103	.6	12	6	468	2.51	12	5	ND	2	80	1	2	2	49	1.43	.079	20	18	.57	75	.06	6	1.48	.04	.08	1	3
33+00S 43+50E	1	81	9	72	1.1	15	7	1008	2.31	11	5	ND	2	110	1	2	2	41	2.03	.084	16	21	.45	83	.07	8	1.73	.04	.10	1	12
33+00S 44+00E	1	51	13	72	.2	17	8	393	2.97	12	5	ND	4	42	1	2	2	62	.49	.046	12	21	.61	85	.09	3	1.69	.03	.10	1	2
33+00S 44+50E	1	77	11	226	.6	17	5	884	1.71	4	5	ND	2	70	2	2	2	27	1.10	.039	19	11	.23	71	.09	5	1.99	.04	.07	1	1
33+00S 45+00E	1	10	5	95	.1	10	5	338	1.79	11	5	ND	2	31	1	2	2	29	.35	.079	7	11	.20	80	.10	5	1.93	.03	.06	1	1
33+00S 45+50E	1	80	15	159	.4	19	13	1240	3.16	8	5	ND	3	54	1	2	2	69	.67	.070	12	20	.80	128	.05	3	2.49	.03	.14	1	1
33+00S 46+00E	1	41	20	144	.4	15	9	1050	2.42	13	5	ND	2	61	1	2	2	39	.74	.147	9	13	.35	165	.09	6	2.39	.03	.10	1	1
33+00S 47+00E	1	65	105	287	.6	39	15	858	3.87	20	5	ND	3	56	1	2	2	74	.88	.046	11	32	.98	93	.09	7	2.97	.04	.13	1	1
33+00S 47+50E	1	28	16	154	.2	24	9	1337	2.86	8	5	ND	3	40	1	2	2	46	.50	.034	9	23	.59	169	.09	6	2.35	.03	.20	1	1
33+00S 48+00E	1	46	49	142	.6	35	11	353	3.46	11	5	ND	4	45	1	2	2	67	.55	.039	11	27	.91	137	.13	4	3.59	.03	.09	1	1
33+00S 48+50E	1	10	23	179	.4	10	5	1644	1.83	12	5	ND	2	22	1	2	3	32	.24	.048	6	12	.34	147	.07	5	1.44	.02	.08	1	1
33+00S 49+00E	1	18	22	159	.5	18	7	692	2.05	13	5	ND	1	20	1	2	2	36	.24	.048	6	17	.38	169	.07	5	2.33	.02	.08	1	2
33+00S 49+50E	1	18	22	189	.2	22	8	650	2.30	20	5	ND	3	23	1	2	2	39	.28	.086	6	18	.45	207	.08	4	2.70	.02	.09	1	1
33+00S 50+00E	2	39	61	285	1.4	28	9	700	3.00	22	5	ND	4	24	1	2	2	53	.31	.089	14	24	.59	170	.08	4	2.49	.03	.09	1	1
33+00S 50+50E	2	43	65	308	1.2	29	10	610	3.34	22	5	ND	5	25	1	2	2	62	.31	.068	16	28	.73	172	.08	3	2.37	.02	.09	1	1
33+00S 51+00E	1	28	14	129	.3	19	8	455	2.79	11	5	ND	5	36	1	2	2	46	.31	.142	11	23	.53	221	.10	3	3.04	.03	.11	1	1
33+00S 51+50E	1	15	8	95	.3	11	5	498	2.05	4	5	ND	3	24	1	2	2	40	.33	.019	10	19	.46	105	.09	4	1.66	.02	.08	1	1
33+00S 52+00E	5	85	19	135	.9	23	12	738	4.11	9	5	ND	4	31	1	2	2	73	.50	.064	27	26	.54	201	.10	2	5.20	.03	.08	1	1
33+00S 52+50E	1	20	10	116	.3	15	6	643	2.30	9	5	ND	3	18	1	2	2	42	.25	.048	9	17	.39	167	.09	3	2.25	.01	.07	1	1
33+00S 53+00E	2	24	26	313	.3	20	7	351	2.52	10	5	ND	3	19	1	2	2	44	.23	.038	7	18	.38	139	.07	3	2.20	.02	.08	1	1
33+00S 53+50E	1	37	11	190	.3	14	10	1228	2.94	13	5	ND	3	24	1	2	2	63	.28	.036	6	15	.55	179	.09	3	1.93	.03	.07	1	1
33+00S 54+00E	3	16	49	676	.6	27	7	794	1.95	7	5	ND	2	22	2	2	2	34	.23	.035	7	13	.27	197	.09	4	2.01	.02	.07	3	1
STD C7AU-S	18	58	37	132	7.3	69	29	1053	4.05	42	22	8	38	47	18	19	18	57	.49	.088	38	57	.96	178	.07	36	1.78	.08	.13	11	50

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	GB	BT	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUT
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
33+005 54+50E	2	18	41	583	.5	32	6	717	2.42	11	5	ND	4	28	2	2	2	36	.24	.123	9	15	.26	161	.11	3	3.06	.03	.07	1	1
33+005 55+00E	2	13	17	437	.4	20	6	937	2.09	36	5	ND	1	22	3	2	2	36	.24	.117	5	11	.20	162	.08	4	1.90	.02	.06	1	1
33+005 55+50E	2	22	20	444	.5	37	8	873	2.68	27	5	ND	2	20	2	2	2	58	.17	.061	6	24	.31	154	.08	2	2.21	.02	.06	1	2
33+005 56+00E	7	52	31	396	.8	45	8	297	3.67	22	5	ND	4	30	1	2	2	85	.26	.038	10	39	.52	170	.06	3	2.07	.01	.06	1	1
33+005 56+50E	1	17	11	153	.4	17	5	363	2.12	15	5	ND	3	21	1	2	2	31	.26	.067	6	10	.19	117	.12	2	3.47	.02	.05	1	1
33+005 57+00E	1	33	10	127	.3	15	10	1290	2.77	8	5	ND	2	27	1	2	2	51	.31	.076	8	14	.39	169	.13	2	2.47	.02	.06	1	2
33+005 57+50E	1	48	7	87	.2	17	9	339	2.89	9	5	ND	5	17	1	2	2	52	.14	.082	11	16	.40	67	.14	2	3.37	.02	.05	1	1
33+505 53+50E	2	26	24	211	.3	17	8	1326	2.44	15	5	ND	2	27	1	2	2	42	.33	.063	8	15	.33	199	.08	2	2.55	.02	.07	1	2
33+505 54+00E	1	19	29	294	.3	12	6	846	1.97	3	5	ND	2	18	1	2	2	35	.17	.075	6	12	.27	135	.08	2	1.83	.02	.06	1	1
33+505 54+50E	1	17	22	436	.5	19	6	305	2.18	6	5	ND	4	17	1	2	2	36	.21	.048	6	14	.30	252	.08	2	2.19	.02	.07	1	1
33+505 55+00E	5	136	24	1718	1.7	63	7	884	2.78	7	5	ND	4	40	4	2	2	33	.53	.032	26	17	.22	196	.12	2	3.60	.04	.08	1	1
33+505 55+50E	2	20	40	383	.5	17	6	1143	2.14	10	5	ND	3	19	1	2	2	32	.17	.079	7	11	.18	157	.12	2	3.39	.02	.05	1	14
33+505 56+00E	2	16	36	581	.2	26	6	1113	2.33	11	5	ND	2	22	2	2	2	38	.20	.119	5	15	.22	194	.09	2	2.22	.02	.06	1	23
33+505 56+50E	2	15	32	373	.7	24	6	397	2.46	19	5	ND	4	17	1	2	2	41	.19	.071	8	14	.26	103	.08	2	2.31	.02	.06	1	2
33+505 57+00E	1	30	19	345	.4	29	9	1156	2.57	23	5	ND	3	16	1	2	2	36	.16	.148	8	16	.33	254	.07	2	1.67	.02	.05	1	1
33+505 57+50E	3	87	38	350	1.3	52	13	927	4.85	48	5	ND	3	44	2	2	2	69	.37	.052	18	33	.87	166	.03	2	1.96	.01	.07	1	1
33+505 58+00E	4	26	23	548	.3	50	7	818	2.79	32	5	ND	2	37	3	2	2	72	.43	.042	5	26	.37	137	.07	4	1.78	.02	.08	1	1
34+005 42+00E	1	20	5	55	.3	13	5	216	2.12	3	5	ND	3	25	1	2	2	35	.25	.068	8	11	.17	71	.10	2	2.52	.03	.04	1	5
34+005 42+50E	1	14	5	59	.1	9	5	292	2.24	7	5	ND	4	19	1	2	2	38	.18	.176	8	12	.20	89	.08	2	2.09	.02	.04	1	1
34+005 43+00E	1	27	5	47	.2	9	6	369	2.25	7	5	ND	5	47	1	2	2	46	.64	.061	19	15	.41	47	.09	9	1.15	.03	.08	2	2
34+005 43+50E	1	13	8	38	.2	8	3	138	1.62	2	5	ND	3	26	1	2	2	31	.36	.013	11	10	.21	49	.09	2	1.56	.02	.05	1	1
34+005 44+00E	1	30	9	48	.7	17	5	205	2.51	8	5	ND	5	44	1	2	2	41	.38	.065	14	13	.17	161	.13	2	4.28	.03	.06	2	4
34+005 44+50E	1	20	7	96	.4	14	6	454	2.05	8	5	ND	3	29	1	2	2	34	.32	.126	10	13	.24	93	.09	2	2.10	.03	.07	1	1
34+005 45+00E	1	44	11	78	.4	15	7	259	2.63	6	5	ND	6	32	1	2	2	49	.31	.069	17	16	.40	115	.12	2	2.66	.02	.06	1	1
34+005 45+50E	1	50	14	122	.5	18	10	578	2.81	5	5	ND	4	33	1	2	2	55	.35	.046	11	16	.43	114	.13	3	2.65	.02	.10	1	2
34+005 46+00E	1	38	34	222	.2	18	11	1600	2.68	8	5	ND	3	40	1	2	2	53	.44	.049	9	16	.42	156	.10	5	2.02	.03	.08	1	2
34+005 46+50E	1	47	14	161	.3	19	10	1073	2.62	10	5	ND	3	46	1	2	2	53	.52	.062	8	16	.46	129	.10	3	2.31	.02	.10	1	1
34+005 48+00E	1	86	18	149	.4	22	18	1541	3.89	12	5	ND	3	54	1	2	2	87	.54	.048	9	18	.77	130	.11	3	3.50	.02	.12	1	4
34+005 48+50E	1	75	24	250	.3	30	15	680	3.94	8	5	ND	2	49	1	2	2	75	.61	.044	7	31	1.05	101	.10	5	3.30	.02	.09	1	3
34+005 49+00E	1	24	12	104	.2	16	6	448	2.47	3	5	ND	4	36	1	2	2	46	.46	.022	9	19	.44	81	.10	5	1.74	.02	.11	1	1
34+005 49+50E	1	21	17	165	.2	24	7	873	2.26	11	5	ND	1	36	1	2	2	40	.44	.024	6	20	.50	116	.09	4	2.11	.02	.10	1	1
34+005 50+00E	1	24	23	132	.5	21	7	442	2.42	14	5	ND	3	20	1	2	2	46	.27	.025	9	22	.46	135	.08	2	1.87	.03	.08	1	1
34+005 50+50E	1	20	19	123	.3	19	7	760	2.18	9	5	ND	3	21	1	2	2	41	.28	.031	8	20	.41	165	.07	2	1.65	.02	.08	1	3
34+005 51+00E	1	15	19	185	.3	9	5	1734	1.86	6	5	ND	2	35	1	2	2	26	.49	.077	9	10	.26	407	.07	4	1.75	.03	.10	1	4
34+005 51+50E	1	20	10	88	.3	15	6	328	2.31	3	5	ND	4	21	1	2	2	44	.25	.020	10	20	.42	121	.09	2	1.85	.02	.06	1	1
34+005 52+00E	3	24	14	121	.2	18	8	333	3.19	7	5	ND	2	20	1	2	2	61	.27	.040	11	27	.53	137	.09	2	3.12	.02	.08	1	1
STD C/AU-5	18	58	36	132	7.4	69	29	1059	4.07	38	21	7	38	48	18	18	19	58	.49	.082	39	58	.87	179	.07	34	1.84	.08	.13	11	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BT PPM	V PPM	CA PPM	P PPM	LA PPM	CR PPM	MG PPM	BA PPM	TI PPM	B PPM	AL PPM	NA PPM	K PPM	W PPM	AUT PPM
34+005 53+50E	2	20	10	89	.3	11	6	410	2.13	5	5	ND	2	21	1	2	2	35	.35	.031	9	15	.29	200	.09	4	2.36	.02	.08	1	1
34+005 53+00E	1	23	15	120	.3	14	7	686	2.53	8	5	ND	3	20	1	2	2	47	.23	.058	9	17	.36	165	.08	2	2.55	.02	.06	1	1
34+005 53+50E	2	22	22	181	.2	15	8	444	3.27	9	5	ND	4	17	1	2	2	60	.21	.073	10	20	.47	94	.11	3	2.62	.02	.06	1	1
34+005 54+00E	1	13	25	498	.4	14	5	1071	1.79	8	5	ND	2	17	1	2	2	27	.22	.106	5	10	.19	246	.08	3	2.01	.02	.06	1	1
34+005 54+50E	2	16	23	349	.5	19	6	561	2.17	10	5	ND	3	11	1	2	2	38	.13	.059	6	14	.30	181	.08	2	2.06	.02	.06	1	1
34+005 55+00E	4	24	30	558	.9	25	6	712	2.33	8	5	ND	2	14	1	2	2	32	.17	.088	6	10	.20	250	.08	2	2.11	.02	.07	1	3
34+005 55+50E	1	13	37	498	.6	15	5	1485	1.89	8	5	ND	2	17	3	2	2	31	.18	.120	5	9	.13	241	.09	2	1.98	.02	.07	1	1
34+005 56+00E	3	22	20	281	.3	18	7	441	2.47	21	5	ND	2	13	1	2	2	49	.15	.037	8	17	.35	144	.06	2	1.52	.02	.04	1	1
34+005 56+50E	1	9	21	329	.4	15	4	1137	1.49	14	5	ND	2	17	2	2	2	24	.15	.127	4	7	.09	120	.10	3	1.93	.02	.06	1	1
34+005 57+00E	1	17	21	266	.4	14	7	959	2.39	6	5	ND	3	18	1	2	2	51	.20	.095	8	17	.42	157	.11	2	2.54	.02	.07	1	1
34+005 57+50E	3	40	17	328	.5	30	6	268	2.95	24	5	ND	4	22	1	2	2	69	.23	.021	14	25	.45	78	.07	2	1.30	.02	.05	1	7
34+005 58+00E	1	25	35	497	.6	30	6	742	2.31	19	5	ND	3	29	4	2	2	44	.22	.072	9	16	.27	129	.11	2	2.61	.02	.06	1	1
34+505 54+00E	1	26	20	224	.3	15	6	542	2.39	10	5	ND	3	25	1	2	2	39	.24	.064	7	15	.34	218	.08	2	2.47	.02	.09	2	1
34+505 54+50E	2	10	18	447	.6	10	5	369	2.06	4	5	ND	3	21	1	2	2	29	.31	.048	5	9	.12	101	.14	2	3.86	.03	.04	1	1
34+505 55+00E	1	27	31	294	.6	19	7	875	2.29	9	5	ND	4	18	1	2	2	36	.17	.107	9	11	.23	197	.11	4	3.10	.02	.06	1	1
34+505 55+50E	1	20	26	470	.3	14	6	1182	2.10	12	5	ND	2	26	2	2	2	34	.32	.142	8	12	.23	245	.08	2	1.81	.02	.07	1	1
34+505 56+00E	2	30	36	277	.7	25	7	520	2.75	12	5	ND	5	18	1	2	2	45	.18	.054	11	17	.34	227	.09	2	2.93	.02	.08	1	1
34+505 56+50E	1	15	46	670	.4	28	6	513	2.38	13	5	ND	3	23	2	2	2	38	.23	.045	7	13	.25	163	.10	2	2.50	.02	.07	1	1
34+505 57+00E	1	11	102	495	.3	16	5	1614	2.02	12	5	ND	2	22	2	2	2	33	.19	.150	6	12	.22	207	.10	4	2.79	.03	.05	1	1
34+505 57+50E	2	141	19	8591	3.2	96	13	978	4.17	32	5	ND	2	291	41	2	2	106	2.24	.150	28	24	.64	316	.03	14	1.20	.02	.05	1	4
34+505 58+00E	1	15	14	309	.3	14	4	770	1.74	21	5	ND	3	22	2	2	2	28	.18	.170	5	8	.15	121	.10	7	2.08	.02	.06	1	1
35+005 42+50E	1	15	6	79	.3	9	5	319	2.02	6	5	ND	3	16	1	2	2	38	.17	.124	7	11	.20	77	.06	4	1.34	.01	.04	2	1
35+005 43+00E	1	36	12	65	.3	12	7	445	2.79	8	5	ND	6	36	1	2	2	57	.47	.059	14	17	.38	53	.08	2	1.13	.02	.06	2	3
35+005 43+50E	1	38	13	65	.3	13	7	417	2.89	8	5	ND	7	36	1	2	2	59	.48	.054	15	17	.39	52	.08	3	1.13	.02	.07	2	64
35+005 44+00E	1	36	29	95	.3	13	7	360	2.64	15	5	ND	3	30	1	2	2	54	.35	.052	11	16	.39	74	.08	2	1.47	.02	.04	1	2
35+005 44+50E	1	30	28	107	.3	12	7	440	2.52	14	5	ND	5	28	1	2	2	50	.33	.062	11	16	.36	82	.08	2	1.47	.02	.05	2	1
35+005 45+00E	1	16	35	194	.4	10	5	484	1.83	11	5	ND	3	22	1	2	2	32	.24	.060	7	11	.23	82	.08	4	1.76	.02	.06	2	9
35+005 45+50E	1	57	10	145	.5	17	12	884	2.77	13	5	ND	3	33	1	2	2	55	.31	.109	9	15	.39	121	.12	4	2.94	.03	.06	2	1
35+005 47+00E	1	37	67	151	.5	14	9	724	2.91	7	5	ND	4	40	1	2	2	59	.45	.027	14	19	.49	88	.11	2	2.58	.02	.14	1	1
35+005 47+50E	1	57	13	128	.4	15	13	1297	3.06	11	5	ND	3	64	1	2	2	65	.52	.071	8	15	.59	140	.09	2	3.31	.02	.12	1	1
35+005 48+00E	1	45	29	209	.4	18	9	834	2.57	3	5	ND	3	37	1	2	2	50	.36	.044	9	18	.43	131	.10	2	2.26	.02	.13	1	1
35+005 48+50E	1	43	29	119	.3	21	10	999	2.86	8	5	ND	3	46	1	2	2	54	.43	.025	11	20	.52	155	.12	2	3.01	.02	.16	1	1
35+005 49+00E	1	37	43	158	.4	18	15	1457	4.26	15	5	ND	3	66	1	2	2	105	.73	.046	12	20	.93	113	.14	2	3.50	.03	.35	1	1
35+005 49+50E	1	31	22	164	.5	25	9	470	2.53	11	5	ND	2	30	1	2	2	50	.35	.031	7	21	.52	124	.08	2	2.02	.02	.11	1	1
35+005 50+00E	4	40	26	155	1.4	23	7	299	2.81	17	13	ND	5	30	1	2	2	54	.37	.029	18	19	.37	255	.10	2	2.49	.03	.06	2	4
35+005 50+50E	5	95	30	203	1.9	36	7	588	2.75	19	23	ND	5	37	1	2	2	41	.63	.026	28	18	.25	274	.11	2	3.14	.03	.05	1	11
STD C/AU-S	18	58	36	132	7.6	71	30	1061	4.07	41	23	3	39	48	18	18	20	59	.49	.082	40	59	.87	181	.07	31	1.92	.09	.13	13	52

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SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
35+005 51+00E	3	27	22	211	.1	13	6	639	2.48	6	5	ND	5	22	1	2	2	37	.35	.084	8	15	.34	264	.09	3	2.36	.02	.08	2	4
35+005 51+50E	3	28	15	173	.2	13	7	1159	2.45	3	5	ND	3	23	1	2	2	41	.42	.078	9	16	.39	290	.07	4	1.90	.02	.10	1	21
35+005 52+00E	2	17	16	188	.1	10	6	2152	2.27	4	5	ND	1	34	1	2	2	36	.66	.084	6	13	.52	365	.07	5	1.79	.02	.07	1	1
35+005 52+50E	2	14	20	159	.2	12	7	1271	3.03	2	5	ND	4	19	1	2	2	49	.27	.079	9	16	.41	203	.09	4	2.45	.02	.07	1	1
35+005 53+00E	2	19	18	171	.1	11	6	808	2.89	6	5	ND	5	20	1	2	2	44	.28	.120	9	15	.43	241	.07	3	2.34	.01	.11	2	1
35+005 53+50E	1	17	14	208	.1	10	5	900	2.18	2	5	ND	6	21	1	2	2	33	.25	.136	9	13	.32	325	.07	3	2.47	.02	.09	1	1
35+005 54+00E	2	18	13	200	.1	12	6	1147	2.29	7	5	ND	4	12	1	2	2	35	.13	.145	7	11	.24	224	.11	3	3.31	.01	.05	1	1
35+005 54+50E	2	26	27	302	.8	18	7	561	2.81	7	5	ND	5	17	1	2	2	44	.20	.083	10	15	.34	152	.12	2	3.64	.02	.06	1	1
35+005 55+00E	2	23	69	319	.5	19	6	475	2.51	10	5	ND	5	13	1	2	2	37	.12	.106	8	12	.27	171	.09	2	3.48	.02	.06	1	1
35+005 55+50E	1	21	54	336	.4	22	7	571	2.79	11	5	ND	4	18	1	2	2	38	.19	.089	7	11	.27	191	.12	2	4.19	.02	.06	1	1
35+005 56+00E	1	16	45	505	.3	28	7	975	2.26	10	5	ND	3	24	1	2	2	34	.21	.056	5	12	.29	226	.10	3	2.01	.02	.07	1	1
35+005 56+50E	1	19	29	455	.3	25	6	621	2.37	11	5	ND	3	24	3	2	2	42	.26	.084	9	15	.26	111	.11	2	2.68	.02	.05	2	3
35+005 57+00E	1	13	21	373	.1	14	5	1033	2.17	5	5	ND	3	26	2	2	2	32	.22	.137	8	11	.15	183	.13	3	3.47	.02	.05	1	1
35+005 57+50E	3	21	18	281	.5	19	6	222	2.54	15	5	ND	3	19	1	2	2	42	.25	.136	7	15	.24	113	.10	3	3.35	.02	.05	1	1
35+005 58+00E	1	13	11	182	.1	13	6	676	2.07	11	5	ND	3	15	1	2	2	36	.15	.050	6	13	.23	114	.09	4	2.04	.02	.05	1	2
35+505 54+00E	1	20	22	455	.3	17	6	938	2.26	8	5	ND	3	17	1	2	2	37	.26	.055	7	13	.29	198	.08	3	2.43	.02	.06	1	1
35+505 54+50E	1	20	21	483	.1	16	6	940	2.28	6	5	ND	2	15	1	2	2	37	.20	.064	7	13	.28	196	.09	3	2.48	.02	.06	1	1
35+505 55+00E	1	20	19	470	.1	17	6	1027	2.22	6	5	ND	3	15	1	2	2	36	.20	.065	6	13	.28	180	.08	2	2.34	.02	.06	1	1
35+505 55+50E	5	27	157	798	.2	36	6	653	2.57	11	5	ND	3	16	1	2	2	39	.23	.045	5	11	.29	259	.04	3	2.04	.02	.09	3	1
35+505 56+00E	2	21	139	787	.1	26	8	2715	2.95	13	5	ND	1	29	3	2	2	42	.22	.068	6	18	.40	248	.10	4	1.65	.02	.08	1	1
35+505 56+50E	1	10	23	311	.2	11	5	1486	1.67	4	5	ND	2	21	1	2	2	29	.20	.045	5	10	.18	201	.07	3	1.36	.02	.05	1	1
35+505 57+00E	1	11	28	663	.3	15	6	470	2.27	5	5	ND	4	24	1	2	2	38	.24	.037	7	13	.20	96	.13	2	3.08	.02	.05	1	1
35+505 57+50E	2	27	45	652	.3	29	10	641	3.35	22	5	ND	3	34	3	2	2	53	.38	.032	7	21	.35	171	.09	4	2.08	.03	.06	3	1
35+505 58+00E	1	31	34	234	.2	20	7	307	3.14	16	5	ND	4	28	1	2	2	53	.26	.155	11	17	.40	117	.13	2	4.54	.02	.06	1	2
36+005 42+00E	1	14	5	48	.2	8	5	132	2.14	4	5	ND	3	33	1	2	2	40	.29	.022	7	11	.21	95	.08	2	1.77	.01	.05	2	5
36+005 42+50E	1	18	5	42	.2	8	5	155	2.12	8	5	ND	3	36	1	2	2	41	.32	.022	9	12	.25	106	.07	3	1.50	.02	.03	2	1
36+005 43+00E	1	14	6	39	.2	7	4	102	1.65	3	5	ND	2	18	1	2	2	31	.20	.015	7	9	.15	64	.08	2	1.42	.01	.04	1	1
36+005 44+00E	2	127	35	122	1.3	20	8	1046	3.27	7	16	ND	6	81	1	2	2	51	1.34	.036	62	19	.38	318	.06	2	2.72	.03	.09	1	1
36+005 44+50E	1	18	13	88	.3	10	5	614	1.99	10	5	ND	4	27	1	2	2	31	.36	.084	15	10	.16	70	.12	4	3.42	.03	.05	1	1
36+005 45+00E	1	41	11	75	.1	16	7	304	2.69	12	5	ND	5	32	1	2	2	59	.33	.038	11	18	.47	81	.09	3	1.64	.02	.09	1	3
36+005 45+50E	1	22	35	113	.1	12	6	544	2.10	15	5	ND	4	26	1	2	2	39	.28	.060	9	12	.23	84	.09	3	1.72	.02	.06	1	4
36+005 46+00E	1	25	17	121	.1	14	6	401	2.18	18	5	ND	3	25	1	2	2	37	.25	.088	6	13	.28	103	.09	7	2.15	.03	.08	1	1
36+005 46+50E	1	16	7	93	.2	12	5	202	1.65	12	5	ND	3	22	1	2	2	25	.23	.073	6	7	.16	82	.10	10	2.57	.03	.05	1	1
36+005 47+00E	2	64	68	243	.4	14	11	747	3.22	13	5	ND	3	53	1	2	2	68	.62	.048	10	17	.58	85	.11	3	2.74	.02	.13	1	7
36+005 47+50E	1	81	340	269	.9	16	18	1725	2.74	29	5	ND	1	87	2	2	2	56	1.02	.123	6	13	.49	147	.08	5	2.59	.03	.09	2	22
36+005 48+00E	1	48	34	135	.1	15	11	1284	3.06	9	5	ND	3	63	1	2	2	60	.67	.040	8	19	.66	162	.10	5	2.80	.03	.21	1	1
STD C/AU-S	19	57	38	132	2.5	71	30	1116	4.14	41	20	8	39	49	19	17	19	59	.50	.083	40	60	.88	182	.07	30	1.84	.08	.13	12	47

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	SI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUR
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
36+00S 48+50E	1	32	25	112	.3	13	7	832	2.12	9	5	ND	3	26	1	2	2	38	.24	.071	7	12	.29	98	.11	3	2.27	.02	.08	1	1
36+00S 49+00E	1	25	32	123	.2	16	7	663	2.19	14	5	ND	3	22	1	2	2	38	.21	.089	7	11	.29	129	.11	3	2.38	.03	.08	1	1
36+00S 49+50E	1	27	33	126	.2	15	7	647	2.19	14	5	ND	3	23	1	2	2	39	.21	.088	7	12	.30	132	.11	13	2.34	.03	.08	1	1
36+00S 55+25E	1	39	27	378	.7	22	8	830	2.62	15	5	ND	3	30	1	2	2	48	.35	.074	11	17	.36	196	.08	2	2.41	.02	.09	1	1
36+00S 55+50E	2	29	38	240	.9	15	7	757	3.19	10	5	ND	3	16	1	2	2	57	.23	.063	9	18	.46	165	.07	2	2.49	.02	.07	1	1
36+00S 55+75E	2	18	31	579	.4	20	6	509	2.48	10	5	ND	2	12	1	2	2	39	.14	.095	5	13	.24	142	.10	2	2.45	.02	.06	1	1
36+00S 56+25E	1	9	14	70	.1	4	2	372	1.90	6	5	ND	1	10	1	2	2	22	.09	.022	3	8	.07	91	.06	3	.51	.01	.02	1	1
36+00S 56+75E	1	13	30	410	.3	14	6	1014	2.19	18	5	ND	2	21	1	2	2	38	.20	.165	4	11	.19	148	.11	2	2.18	.03	.06	1	1
36+00S 57+00E	2	15	28	414	.4	16	7	667	2.23	13	5	ND	3	18	1	2	2	33	.16	.106	4	10	.12	119	.14	5	4.58	.03	.05	1	1
36+00S 57+25E	2	17	28	386	.3	17	6	615	2.21	12	5	ND	3	18	1	2	2	33	.16	.100	5	10	.13	111	.15	2	4.60	.03	.04	1	2
36+00S 57+50E	1	13	19	362	.4	19	6	1005	2.07	15	5	ND	3	19	1	2	2	34	.18	.068	6	12	.20	119	.11	2	2.37	.02	.06	1	1
36+00S 58+00E	2	25	33	344	.5	18	7	833	2.42	18	5	ND	2	27	1	2	2	43	.35	.099	9	15	.29	127	.10	4	2.47	.03	.08	1	1
STD C/AU-S	19	58	36	133	7.7	71	30	1129	4.14	42	20	8	39	47	19	18	21	59	.49	.084	40	60	.88	179	.07	31	1.86	.09	.14	11	50