# 86-592 - 15248 07187

MINISTRY OF AND PETROLE	ENERGY, MINES
Rec'd	NESOURCES
OCT Subject	1 6 1986
FILE	/
VANCOUV	ER, B.C.

GEOCHEMICAL REPORT

MOUNT ARMOUR PROJECT

Kamloops Mining Division NTS 92 P/IE Lat 51° 2011, Long 120° 06'W 09.3'

Claim: FC

FILMED



0 wner:

V4K 4E

Cutty Resources Inc. c/o 6415 - 64th Street Delta, B.C. V4K 4E2

> Lan D. Pirie September 1986

**Operator:** Cutty Resources Inc. energy at the Relative Sopper 64th Street

# TABLE OF CONTENTS

	Page
INTRODUCTION	1
General	
Location and Access	-
Physlography	
History	
WORK DONE	2
TECHNICAL DATA	2
RESULTS	2
INTERPRETATION	3
CONCLUSIONS AND RECOMMENDATIONS	4
ITEMIZED COST STATEMENT	5
CERTIFICATE OF QUALIFICATIONS	6

# FIGURES

Figure 1		Location Map	l(a)
TABLE 1	TABLES	Summary/Statistics	3
	MAPS		
Map 1		Cu, Zn in soils	in pocket
Map 2		Pb, As in soils	in pocket
Map 3		Ag, Au in soils	in pocket

#### INTRODUCTION

#### General.

The Mount Armour property consists of a single, 18 unit, M.G.S. claim, record number 4649, staked in August 1983 by Corporation Falconbridge Copper (CFC). It is currently the subject of an option agreement between CFC and Cutty Resources Inc. Cutty is the registered owner. CFC operates. Ĩ.

#### Location and Access (Figure 1)

The property is located immediately southeast of the town of Barriere, 65 km north of Kamloops, B.C. It is adjacent to the Yellowhead Highway and the CN mainline and has a power line crossing it. Access is from the Skwaam Bay Road.

#### Physiography

Mount Armour rises fairly steeply from the N. Thompson river at approximately 400m to a maximum elevation of just over 800m. It is sparsely forested, consisting mainly of grassland with pine trees. The climate is quite dry and no permanent water is present on the property. Temperatures range from  $+35^{\circ}$ C in summer to  $-30^{\circ}$ C in winter.

#### History

Massive sulphide showings on Mount Armour have been known for some time with old prospect pits probably dating back to the early 1900's. Very limited diamond drilling is believed to have been carried out in the late 1960's by a local prospector with inconclusive results. Craigmont carried out a soils/VLF/Mag survey over the showings in 1974, but although anomalies were outlined, they did not follow them up.

- 1 -



#### WORK DONE

The following work was carried out during November 1985:

Linecutting	10 <b>.</b> 4Km	50m spaced winglines with 25m
		stations. 25m lines over known mineralization.
Soil Sampling	1292 samples	Analyzed for Cu, Pb, Zn, Au, Ag and As

#### TECHNICAL DATA

Soil samples were taken at 12.5m intervals along the winglines. B horizon material from depths of up to 40 cm was taken wherever possible. Samples were analyzed by Min-En Labs of North Vancouver using the -80 mesh fraction. Au was determined by aqua regia - atomic absorption. Ag, Cu, Pb, Zn and As were determined by a standard ICP procedure.

#### RESULTS

The values obtained are plotted in element pairs in plan view on maps 1,2 and 3. A single contour was chosen for each element to outline potentially anomalous areas. This contour was chosen after careful consideration of histograms of the data. Since none of the populations was strictly normal, percentile intervals based on obvious breaks in the histograms were preferred. Summary statistics are shown in Table 1.

# Table 1

#### Summary Statistics

1

				Contour Percentile	
Element	Range(ppm)	Mean	Median	Chosen	Value (ppm)
Au	<5 - 2230 (ppb)	19	5	92	30(ppb)
Ag	0.1- 5.6	0.94	0.75	95	1.5
Cu	7 - 499	44	30	95	120
Zn	30 - 4210	210	75	93	500
Рb	3 - 578	34	25	98	100
As	1 - 111	15	5	98	50

#### INTERPRETATION

Examination of the data reveals 6 main areas of anomalous values which have been labelled 1 to 6 on Map 3. Descriptions are as follows

#### Zone 1

- adjacent to and extending north of known massive sulphides
- characterized by up to 2230 ppb Au, 499 ppm Cu, 5.6 ppmAg and
   623 ppm Zn

# Zone 2

- broad area (150x100m) approximately coincident with known sulphides
- anomalous in all elements
- up to 1700 ppb Au, 232 ppm Cu, 3.3 ppm Ag, 296 ppm Pb, 871 ppm Zn,
   81 ppm As

#### Zone 3

- small area of Cu-Ag-Pb anomalies flanked by Zn
- up to 168 ppm Cu, 2.2 ppm Ag, 158 ppm Pb and 4210 ppm Zn

#### Zone 4

- zone of discontinuous Cu-Au-Zn-Pb-Ag anomalies
- 200m long and open to the south
- up to 364 ppm Cu, 385 ppb Au, 1.7 ppm Ag, 545 ppm Pb, 884 ppm Zn

#### Zone 5

- weak, irregular
- up to 244 ppm Cu, 65 ppb Au, 2.1 ppm Ag, 121 ppm Pb

#### Zone 6

- linear anomaly open to the south
- essentially a Au (Ag) anomaly
- coincident topographic linear on the ground
- Au up to 940 ppb, Ag up to 2.1 ppm

Of these anomalous areas, two are associated with known sulphides exposed in pits on the surface. The other four, however, have no known sulphides associated. Zones 3 - 5 have similar, although weaker, characteristics to 1 and 2 and may indicate buried massive sulphide mineralization. Zone 6 is almost strictly a Au anomaly which, along with its coincidence to a topographic feature, may indicate the presence of an auriferous shear.

# CONCLUSIONS AND RECOMMENDATIONS

At least 6 zones of anomalous soil geochemistry have been outlined by this survey. They highlight the areas of known mineralization and point to the presence of at least 4 others.

Before identifying specific drill targets, it is recommended that geological mapping and geophysical surveying (IP) be considered to provide better definition.

- 4 -

# ITEMIZED COST STATEMENT

.

į

The following is a statement of expenditures incurred on the FC mineral claim during the period November 1 to December 31, 1985 for the purpose of mineral exploration.

LINE CUTTING	
contracted to Spirex Geoservices	
10.4 Km at \$300/km	\$ 3,120.00
Total Physical Work =	\$ 3,120.00
	$\backslash$
SOIL SAMPLING	
contracted to Spirex Geoservices	
1292 samples at \$3.00/sample	3,876.00
SOIL ANALYSIS (MIN-EN LABS LTD.)	
1292 analyses (Cu, Pb, Zn, Ag, As, Au) at \$9.135	12,034.98
SAMPLE SHIPPING	223.45
	t
INTERPRETATION AND REPORT PREP	
L.D. Pirie, 2 days at \$350/day	700.00
DRAFTING 2 days at \$125/day	250.00
MISCELLANEOUS (typing, computer, supplies, copying, etc.)	150.00
	U
Total Soil Programme	\$ 17,234.43
	(4.43
	# 20,97

- 5 -

# CERTIFICATE OF QUALIFICATIONS

I, Ian D. Pirie certify that:

- I am an Exploration Geologist residing at 307 2145 York Avenue, 1. Vancouver, B. C.
- 2. I have a BSc (Hons) in Applied Geology from the University of Strathclyde, Glasgow, Scotland (1977) and a MSc (Geology/Geochemistry) from Queen's University at Kingston, Ontario (1980).
- 3. I have practised my profession since 1977.
- 4. I personally carried out or supervised the work reported herein.

Date Oct 15", 1986.

Ian D. Pirie



- 6 -



AT

CLAIM BOUNDARY

ŀ

<u> </u>	67 6832 80 81 60 75 79 54 89 95 56 07 10 88 94 90 95		
	14+64 24-122 20-93 25-86 27-97 31-94 32-95 59-85 90-85 90-85 100 14-128 47-67 30-66 31-101 49-131 29-118 32-98	7 3†00 N	
	7 + 89 49 - 58 9 - 62 44 - 72 24 - 67 33 - 120 75 - 82 66 - 96 25 - 86 45 - 79 16 - 115 27 - 94 23 - 109 84 - 75 13 - 125 37 - 97 49 - 95 35 - 105 128 - 48 78 - 81 79 - 75 34 - 111 53 - 110 25 - 64	L 2†50 N	
	$\begin{array}{c} 20 & 107 \\ 14 & 89 \\ 18 & 72 \\ 29 & 82 \\ 17 & 93 \\ 39 & 121 \\ 16 & 121 \\ 24 & 80 \\ 25 & 123 \\ 16 & 121 \\ 24 & 80 \\ 25 & 13b \\ 27 & 107 \\ 16 & 171 \\ 19 & 144 \\ 14 & 179 \\ 11 & 95 \\ 25 & 83 \\ 15 & 114 \\ 36 & 101 \\ 37 & 92 \\ 14 & 107 \\ 29 & 73 \\ 19 & 82 \\ 17 & 76 \end{array}$	7 2400 N	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	L 1+50 N	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7 1400 N	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	L 0†50 N	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	00/07	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	r 0450 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	T 1400 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7 1†50 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7 2400 S	
	$     \begin{array}{c}       2 & -114 \\       34 & -133 \\       46 & -107 \\       42 & -90 \\       28 & -131 \\       31 & -133 \\       47 & -80 \\       10 & -92 \\       10 & -90 \\       10 & -92 \\       1$	L 2750 S	
	$\begin{array}{c} 111 \\ 149 \\ 17 \\ 12 \\ 13 \\ 12 \\ 13 \\ 12 \\ 12 \\ 13 \\ 142 \\ 22 \\ 134 \\ 411 \\ 105 \\ 25 \\ 100 \\ 8 \\ 41 \\ 105 \\ 25 \\ 100 \\ 8 \\ 41 \\ 105 \\ 25 \\ 100 \\ 8 \\ 41 \\ 105 \\ 25 \\ 100 \\ 8 \\ 41 \\ 105 \\ 25 \\ 100 \\ 8 \\ 41 \\ 105 \\ 25 \\ 100 \\ 8 \\ 41 \\ 105 \\ 25 \\ 100 \\ 8 \\ 41 \\ 105 \\ 25 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 22 \\ 105 \\ 100 \\ 105 \\ 100 \\ 105 \\ 100 \\ 105 \\ 100 \\ 105 \\ 100 \\ 105 \\ 100 \\ 105 \\ 100 $	7 3400 S	$\overline{\langle}$
	$   \begin{array}{ccccccccccccccccccccccccccccccccccc$	L 3/50 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	L 4400 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	L 4†50 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 5400 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	L 5†50 S	
	9 152 7 217 12 169 16 152 12 118 12 188 22 170 10 107 11 97 13 199 25 196 21 156 51 110 27 129 13 257 14 221 82 171 32 219 54 221 82 179 14 221 82 179 15 235 39 190 28 107 21 292 54 221 82 179 54 225 50 247 50 248 190 28 100 28 100 27 1292 54 221 82 179 54 221 82 179 54 225 57 205 57 205 57 205 57 205 57 205 57 205 50 21 156 50 200 51 200 51 100 50 200 51 200 52 205 53 205 52 205 53 20 52 205 53 20 50 20	7 6400 S	
	$\begin{array}{c} 19 & 511 \\ 19 & 924 \\ 8 & 422 \\ 19 & 762 \\ 8 & 755 \\ 10 & 7$	1 6†50 S	
$\overline{\gamma}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7 7400 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	L 7450 S	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	r 8400 S	
,			
			-
		monz L.C.A.	

.

CILIER CICAL RRANCH Assert Christian CEPORT

SCALE: 1:2500





L 3†50 N	1 3400 N	L 2450 N	L 2†00 N	L 1/50 N	N 00+1 7	L 0†50 N	00/07	L 0450 S	7 1400 S	L 1+50 S	r 2100 S	L 2150 S	L 3750 5 L 3750 S	L 4400 S	L 4†50 S
											64 - 24 30 - 13 25 - 9 19 - 1 23 - 1 15 - 1 17 - 1	29       4       19         48       38       24         65       44       29         27       27       14         31       20       16         28       31       24         27       17       22         14       31       20         28       31       24         27       17       22	2 14 13 10 26 19 5 25 20 8 26 30 9 20 19 11 14 14 18 14 13 8 23 21	21 13 8 8 15 10 12 7 18 26 14 7 35 12	34 + 27 17 + 7 39 - 29 18 - 12 13 - 11 24 - 14 26 - 23 19 - 16
				23 3 24 6 24 1 23 1 25 1 30 7 27 5 31 13 45 29 24 17	23 1 25 3 25 5 15 1 23 7 28 7 18 1 24 2 23 1 21 2	37 19 72 10 25 14 29 14 19 6 25 12 23 1 72 9 25 5 34 16	14 9 15 16 17 12 20 15 25 22 20 7 27 20 19 15 30 12 24 1 1	12 8 10 8 14 1 27 8 22 18 17 9 22 4 11 7 82 9 32 16	10 4 19 30 19 18 25 20 20 21 12 7 15 8 9 12 10 10 1 1 8	13 17 12 11 6 1 12 6 11 + 6 12 + 10 18 + 19 14 + 16 22 + 15 21 + 11	25 4 19   12 21 - 13 20 + 1 20 + 6 15 + 1 9 - 1 13 - 1 7 - 1 20 + 2	9 6 25 18 19 19 - 16 16 6 17 15 15 19 - 11 20 16 23 18 - 13 20 18 10 31 - 14 36 26 28 19 15 14 18 2 24 11 53 13 - 1 23 - 27 12 23 19 22 - 11 24 11 - 1 28 - 11 38	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	19 14 14 21 14 18 37 27 16 7 12 11 25 20 21 18 24 17 21 7	28 22 22 - 17 21 - 18 22 - 15 24 - 14 21 - 12 49 - 54 34 - 24 41 - 28 29 - 10
				17 - 8 24 - 5 31 - 8 29 - 8 22 - 5 22 - 9 34 - 6 23 - 5 28 - 10	21 1 28 1 N.5. 27 14 20 9 22 6 33 15 37 10 27 6	41-24 36-16 37-18 34-15 24-9 29-22 29-15 23-8 20-10 27-13	23 8 19 12 21 12 12 6 12 5 14 6 27 14 20 13 19 15	12 - 7 12 - 15 14 - 10 12 - 11 72 - 44 39 6 17 - 18 6 - 9 3 - 1	8 10 12 7 27 17 24 29 56 15 22 10 29 12 21 13 21 15	22 + 17 $14 + 6$ $21 + 16$ $20 + 18$ $19 + 12$ $47 + 1$ $23 + 8$ $42 + 27$ $17 + 17$ $23 - 20$	10-66 13+6 4 · 1 21 · 1 16 · 1 13 · 1 16 · 1 21 · 8 38 · 26 54 · 23	26 15 20 4 13 35 1 40 5 23 87 35 92 1 16 55 30 66 1 44 26 10 95 13 29 44 19 27 15 23 20 7 15 23 8 22 20 7 7 12 6 42 14 10 26 15 41	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	65-16 44-4 64-28 30-26 24-25 15-12 20-18 20-26 26-26 26-26	43 7 36 25 26 13 31 16 15 9 21 3 30 21 23 18 296 38
21 + 18 33 - 15 16 - 1 1 20 - 19 23 - 4	22 + 8 31 - 21 24 - 15 25 - 7 14 - 5	5 + 4 29 + 9 12 + 5 27 + 6 22 + 4	19 T Z 19 T Z 19 T S 18 T S 21 T 1 21 T 4	18 - 11 $19 - 3$ $13 - 11$ $14 - 6$ $27 - 5$ $26 - 9$ $13 - 1$ $16 - 7$ $13 - 24$ $23 - 6$	22-11 22-9 23-6 19-3 23-11 22-9 35-7 40:22 39-10 25-18	21-15 18+8 26-19 30+12 12+3 13+5 21+7 24+18 22+9 22+10	17 - 17 18 - 18 22 - 25 21 - 18 17 - 12 59 - 18 6 - 1 8 - 9 9 - 16	$   \begin{array}{c}     31 - 32 \\     \hline     28 - 68 \\     17 - 24 \\     28 - 35 \\     13 - 7 \\     22 - 22 \\     \hline     39 - 53 \\     29 - 29 \\     17 - 30 \\   \end{array} $	48+18 18+13 21+26 81+35 28+27 34+27 43+25 18+4 28+19 26+24	23-20 15+28 19+13 16+10 13-12 22+17 23-32 18-33 19-24 36-11	92 + 14 36 - 19 48 - 29 49 - 25 18 - 18 38 - 22 50 - 25 38 - 26	28+19 49+50 28+19 49+50 13+17 26-21 17 19+16 32+19 23 35+17 25-17 29 51+21 50-4 53 47+35 56-10 53 35-11 48-7 48 32-18 -N.S.34 53+27 57-18 44	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$22 - 13$ $48 \cdot 27$ $34 \cdot 21$ $34 \cdot 21$ $83 \cdot 71$ $-N.5$ $(0 - 34)$ $67 \cdot 49$ $32 \cdot 19$	21 27 23 40 29 35 40 50 52 62 42 75 52 81 33 22 N.S 41 41
N.5. 10 1 10 3 20 8 11 1 13 6 26 21 15 16 18 8	25 10 25 13 29 21 65 36 46 35 22 18 19 18 26 22 14 14	27 12 32 20 35 27 27 6 29 11 18 1 16 7 19 3 25 11	29 13 21+7 22+3 29 10 4 N.S. 13 3 25 7 23 24 29 24	40-26 50-32 48-9 33-14 N.S. 13-1 N.S. N.S.	241 1 1 261 16 321 27 251 34 311 49 301 35 N.S. N.S.	$   \begin{array}{c}     1979\\     28 \\     22 \\     25 \\     10 \\     23 \\     8 \\     N.5 \\     32 \\     28 \\     42 \\     64 \\     25 \\     7   \end{array} $	14-11 7-1 15+10 17-13 16-19 24-23 13-15 13-15 17-12 16-9	19 13 30 14 34 12 24 12 19 8 19 5 19 6 18 12 22 19	24+ 13 23† 12 22+ 7 38 14 30+ 10 25+ 7 23 13 24 16 22+ 8	35 · 20 25 · 24 26 · 18 24 · 25 15 · 16 19 · 10 45 · 21 17 · 16 20 · 14	56-35 57-35 47+45 27+16 29+38 34-30 30-22 17+9 34+15	151-20 44-23 47 94-27 16-15 38 12 -3 27-17 32 158 -36 39-20 43 85+12 40-13 39 60-12 34-25 33 78 -13 28-17 34 70+7 30-17 28 24+9 34-19 28	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	46 - 28 64 - 30 41 - 20 38 - 20 34 - 15 35 - 43 21 - 25 20 - 23 24 - 17	44 - 39 29 - 20 N.5 29 - 23 27 - 28 34 - 15 33 - 53 - 27 - 26 21 - 19
21-10 163 186 12-5 11-6 10-2 22-16 17-10 12-7	25 23 18 11 20 9 16 9 20 20 21 13 22 23 20 8 25 15	37 23 17 2 22 10 26 14 19 7 27 11 27 18 26 13 31 7	16+ 2 14 4 13 2 19 1 23 23 23 20 34 18 11 8 11 8 15 7	8   8   13 7 15 4 13 9 22 8 48 18 33 1	26 12 23 12 26 4 24 7 16 1 13 1 29 15 29 7 29 7 29 3	33 - 16 25 - 1 1 28 - 13 22 - 9 19 - 15 22 - 12 24 - 6 29 - 22 72 - 3	14 4 10 6 13 7 13 6 7 5 17 9 17 12 14 7 24 7	14-13 47-13 9-10 26-16 46-28 21-15 24-27 26-34 22-8	18 8 16 1 19 1 14 3 21 9 16 9 8 12 12 5 8 1	25+15 31+21 17+15 27+22 29 23 23 31 29 18 20 26 30 25	57 - 40 35 - 25 24 + 16 19 - 8 11 : 9 13 + 1 15 + 4 13 - 12 22 + 17	16+13 24-14 27 22+4 26-17 22 15-1 42-18 35 16+7 44-20 30 18 8 26-30 35 27 4 35-14 29 5+1 48-15 5 12 6 25-5 18 13 1 30-14 18	+10       29+8         -16       30-9         +17       32-9         +11       30+11         +4       30+12         12       17+5         11       17-6         2       15-8	25+21 36+35 33+28 36+27 12+7 11+17 14-14 16-15 9-5	18 - 18 24 - 22 25 - 18 26 - 25 26 - 21 26 - 20 19 - 17 12 - 5 15 - 5
18 4	26 13	30 14 20 4	8 3	17 5	20 5 32 8	64 8 30 <sup>1</sup> 5	32 12 24 12	19 9	12 3	21 8	16 4	70 1 16+8 18 578-111,29-115 19	8 17:12	18-11	9 2

-

4+50 S	5400 S		5+50 S	6400 S	6400 S		- 6+50 S		s ootz .		7450 S		. 8400 S	
T	7		Ĺ	7	1	-	1	-	L	-	1		L	
							a							
34+27 17 7	17-1	1 7	2016	7	i i	13 37	7	19 24	· ] · 9	38- 33-	-8 - 16	31- 431	3	
39-29	22 7	1 4,	21 6	6	। 5	7	1	27	-23	31	-9 -5	45 41	5	
13-11	16-1	1	17-1	10	5	Г	1	43	9	16	- 1	(333	3	
24-14-	16-4	<del>1</del> ;	14 1	14   16 t	7 23	44 22	6 7	38 32	-26 -61	20 28	-1 -4-	63 30	-3	
19-16	15 6	2	14-1	10	7		N.5	. 18	- 1	23	6	37	4	
28 26	20.9	21,19	16 5	8	1	- 73	<u></u>	29	24	42	- 14-		-3	<u></u>
21 - 18	56 9	15-3	16-7	8	1	13	5	36	25	64	25	25	-1	
22-15	24.6	5 17 10	22-11	13	2	10	6	2] 20	37	(150	621	) 32 39	8	
24-14	37 3	1 2010	33-10	17-	6	18	8	19	29	49	8	90 44	20	
49 54	37-3	40-25	32-18	27-	21	20	6	12	• •	36- M-	-9	59 55	-14	
34-24 41-28	38-9	5 33 21 5 32 25	28-20	25	13 8	38 43	4 4	30 36	· 1 .1	49	- 147	27 53	-16	
29-10	92 10	6 25 13	44 20	21	10	33	t	52	- 1	69	10	34	12	
43 7 36 25	22 - 1	5 52 18 8 47 9	98-37 24-4-	43	22 9	37- 55-	2 17	62 82	- 13	94 80	-7 -8	30 44	9	
210-13	31-4	46-11	31-7	76-	25	47-	10	52	13	86	-16	46	8	
31-16	59-4	8 42 10	36-7	58- 46-	16 3	42-	3	59 50	18	65. 72.	-11	55 78	-6 -8	
21-3	18-1	2 30-9	4Z-12	42	18	63	8	69	25	65	12	48	4	
30 21	65-11 54-4	9 45 31	39-17	31-	10	71-67-	1	58 92	30	42- 35	- 4-	6A. 66.	10 .6	
296 38	6Z-4	17 63-16	45 20	54-	16	66	<b>v</b> 7	121	30 .	37	1	86	9	
21-27	52-2	3 33 24	39 18	38	10	59- 59-	10 E	100	38.	30-	1	54 58	3	
29-35	40-2	8 91 46	, 48 34	41	26	61	12	62	רו	89	-14-	64	3	
40 50	49-3	2 97-27	50 32	41-	23	62	3	50	5	53	.9	59 51	2	
52+62 42+75	35+3 19+1	0 99-34 3 18-16	34-27	34+ 38+	20	60- 36-	) }	59 60	4 5	54 44	6		3	
52 81	29-1	9 35 26	38 20	43	16	42	t.	64	14-	48	-7	59	5	
33-22 + N.5	33-1	5 40 20	36 23 33 26	39- 35-	13	35 35	-1	44 46	- 7	46	- [ ]	49. 105	-1	
41-41	52-2	27 77 21	45 33	31-	14	41	٦	43	-7	55	-14-	59	9	
44 39	70-4	3 46 16 10 52 22	34-20	28- 27-	7	42-	10	57- 48-	-7	259	15	59 49	8	
29720 N.5	10 7	5 43 64	79-28	31-	21	42	7	156	12	50	9	55	10	
29-23	79-2	0 46 60	100-37	-77	36	60	7	59	- 19	40	-5	114	13	
2-1-28 3A-15	79-5 36-17	2 29-22	54 41	09. 545	45	65 66	18	(	21)	57 40	4	יוכי. -ור	-18	
33-53	> 10-3	1 33-16	40-29	56-	22	60	11	92	10	25-	-3	110-	8	
27-26	29 - 2 31 - 3	6 39+33 13 36+22	29-14	19Z- 62-	18	58- 51-	1	81 78	-17	29 33	-3 -8	72- 85-	7	
18-18	30-20	9 23-14	35-34	71-	19	39	16	64	- 15	56	15	55	2	
24-22	19-11	5 27 19	33 29	61	20	30	22	32 31-	16	37 · 53-	13 -21	5 <del>8</del> 52:	Z. 2	
26 25	32 3	1 38 25	30 12	28-	4	33	14	23-	12	31	- 14-	59	-11	
26-21	33-12	2 31 - 29	25-16	29	9	34	17	28	-19	32 22	8	48 48	- 1	
46 20	52 + 2 19 + 1	3 12-6	22-19	28	7	27	10	23	3		7	38	7	
12-5	22-2	5 20 7	23-14	34	10	40	15	32	13	27	5	45	20	
15+5 9+2	21-19-8	7 21+12 3 19+11	26-9 22-6	22 20	5	25	9	28-21	13	-33- 25-	6	43 40	5	
18/11	2549	, 11 <sup>1</sup> 7	19 18	۱،۱	i	181	I	19	13	23	4	29	2	

NOTE: 0 Etter Scale



,

in Participa

ĺ

Pb ppm

5 · · ·		·	• •
#			
	RIVOR	مر	
Barrie			
	OPERTY		
	SUUNDA	HY	
	C1 0 K	51 • 10'	
TH	120 - 01		
PSON			
IVER			
LOCA	TION	Р	
SCAL	_E: 1:250,000		
Pb>100pi	o m		
As>50pp	m		
1 196- 21 As ppm			
SEE SHEET 1 FOR CLAIN	M BOUNDAR	IES	
ATA DERIVED FROM HIST	OGRAM AN	D STATIS	STICAL
ANALYSIS FOR EACH			
DINT ADDEC			PER
SOIL		JUC	•
GEOCHEM	ISTRY		
Pb, As	ppm		
50 400			250~
5U 100			25UM
RAWN BY: IP/dm			FIG. NO.: <b>2</b>
			. 🖌 🕴
ATE: SEPT. 1986 N.T.S.	92P/1	1, 4, 51, 14, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	



L 3†50 N	N 00†8 7	L 2†50 N	N 00+Z 1	L 1/50 N	N 00+1 7	L 0+50 N	00†07	L 0450 S	S 00≠1 7	L 1450 S	7 5400 S	L 2450 S	7 3400 S	7 3≠50 S	L 4400 S
8 8 8 8 7 7 7 9 9 8 5 5 10 5 5 10 5 5 10 5 5 10 5 5 10 5 5 10 5 5 10 5 5 10 5 5 10 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10	$\begin{array}{c} 0.6+5\\ 1.5+10\\ 0.7+5\\ 0.5+5\\ 0.8+10\\ 1.1+5\\ 1.2+5\\ $	0.8 + 5 1.2 + 10 0.8 + 5 1.2 + 5 0.9 + 5 1.3 + 5 1.1 + 5 1.1 + 5 1.0 + 5 0.9 + 5 0.8 + 15 1.0 + 15 1.1 + 10 1.2 + 5 0.8 + 15 1.1 + 10 1.2 + 5 1.1 + 5 1.1 + 10 1.1 + 10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.8 5 1.0 5 0.7 5 0.9 5 0.0 5 0.	$\begin{array}{c} 0.4 & 5 \\ 0.8 & 5 \\ 0.6 & 5 \\ 0.6 & 5 \\ 0.5 & 5 \\ 0.6 & 5 \\ 0.5 & 5 \\ 0.6 & 5 \\ 0.5 & 5 \\ 0.6 & 5 \\ 0.7 & 5 \\ 0.6 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.9 & 5 \\ 0.1 & 5 \\ 0.7 & 5 \\ 0.9 & 5 \\ 0.1 & 5 \\ 0.9 & 5 \\ 0.1 & 5 \\ 0.9 & 5 \\ 0.1 & 5 \\ 0.8 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.4 & 10 \\ 1.0 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.1 & 10 \\ 1.1 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.1 & 10 \\ 1.1 & 5 \\ 0.9 & 5 $	$\begin{array}{c} 0.9 \\ 5 \\ 0.4 \\ 10 \\ 0.6 \\ 5 \\ 0.5 \\ 0.5 \\ 0.5 \\ 0.7 \\ 5 \\ 0.2 \\ 0.7 \\ 5 \\ 0.6 \\ 1.0 \\ 0.9 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ 1.0 \\ 0.0 \\ $	$\begin{array}{c} 0.6 & 5 \\ 5 & 5 \\ 0.6 & 5 \\ 1.0 & 9 \\ 0.7 & 10 \\ 5 & 5 \\ 0.7 & 15 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.5 \\ 0.5 \\ 0.6 \\ 5 \\ 0.6 \\ 5 \\ 0.6 \\ 5 \\ 0.6 \\ 5 \\ 0.6 \\ 5 \\ 0.6 \\ 5 \\ 0.6 \\ 5 \\ 0.7 \\ 5 \\ 0.7 \\ 5 \\ 0.8 \\ 0.7 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.5 \\ 5 \\ 0.8 \\ 0.5 \\ 5 \\ 0.5$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0.4 & 5 \\ 1.2 & 20 \\ 1.3 & 5 \\ 1.2 & 5 \\ 1.3 & 5 \\ 1.2 & 5 \\ 1.2 & 5 \\ 1.2 & 5 \\ 1.0 & 0.6 & 5 \\ 1.2 & 5 \\ 1.0 & 0.4 & 5 \\ 0.4 & 15 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.7 & 5 \\ 0.8 & 5 \\ 0.6 & 5 \\ 0.8 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.9 & 5 \\ 0.8 &$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 1.0 & 5 \\ 0.8 & 5 \\ 0.8 & 125 \\ 0.4 & 5 \\ 0.4 & 5 \\ 0.7 & 5 \\ 1.0 & 10 \\ 0.9 & 5 \\ 1.0 & 10 \\ 1.0 & 5 \\ 0.5 &$	$0.1 \\ 5 \\ 1.2 \\ 1.6 \\ 1.1 \\ 5 \\ 1.9 \\ 1.5 \\ 1.6 \\ 1.1 \\ 5 \\ 1.0 \\ 1.1 \\ 5 \\ 1.0 \\ $	0.6 1 1 0 1 5 10 5 5 30 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.7 10 0.9 5 15 5 00 0.9 15 5 00 0.5 6 5 20 1.1 5 5 5 00 1.1 5 5 5 5 00 0.7 5 5 5 00 0.7 5 5 5 00 0.7 5 5 5 00 0.8 5 5 5 00 0.9 7 5 5 5 00 0.9 7 5 5 5 10 0.8 5 5 5 00 0.9 7 5 5 5 10 0.8 5 5 5 00 0.9 7 5 5 5 10 0.8 5 5 5 00 0.9 7 5 5 5 10 0.8 5 5 5 10 0.8 5 5 5 10 0.8 5 5 5 10 0.8 5 5 5 10 0.9 5 5 5 10 0.9 5 5 10 0.9 5 5 10 0.9 5 5 5 10 0.9 5 5 5 10 0.9 5 5 5 10 0.9 5 5 10	0.6 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -

S 6†50 4†50 7†50 7+01 5†5 ţo ŝ 7 ٦ 7 -7 7 7 1.0 5 1.0 15 1.0 20 0.8 15 1.2 15 0.8-5 0.8-5 1.45 1.1 5 0.65 1.1-10 1.0 10 2 30 1.0 20 1.1 5 0.9 10 1.1 5 0.9 5 1.0 5 1.0 5 0.8 55 0.8 10 0.9 5 0.8 5 1.1 10 0.8 5 0.9 5 0.9 5 0.8 5 0.8-10 a7-5 0.7-5 0.8-5 1.0 -5 1.1 -10 1.2-5 0.7-5 0.9 5 0.8 30 0.8 5 0.7 35 0.8 10 0.9 15 0.9 10 1.3 5 0.8-15 0.8 10 0.6 10 095 09 5 0.9 10 1.0 5 1.0 5 0.8 5 1.2 15 0.9 5 0.8 5 1.10 1.0 5 0.7 5 1.0 5 1.0 5 0.9 5 0.7 5

-0-· NORTH THOMPSON

1.

