

90-750 # 8443

ASSESSMENT REPORT

SOIL GEOCHEMISTRY OF THE

BREEZE CLAIMS

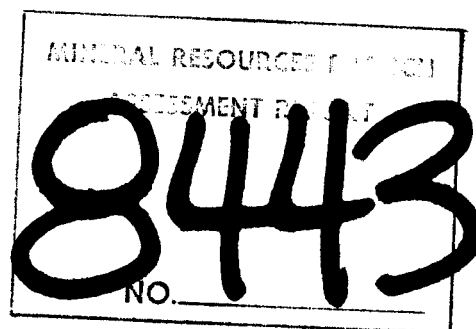
OMINECA MINING DIVISION

CLAIMS: BREEZE

LOCATION: N.T.S. 94E/6E
57°20'N Latitude
127°13'W Longitude

OWNER: S.E.R.E.M. Ltd.

REPORT BY: Joan F. Carne



DATES WORK PERFORMED: July 18 - July 31, 1980

DATE: October 6, 1980

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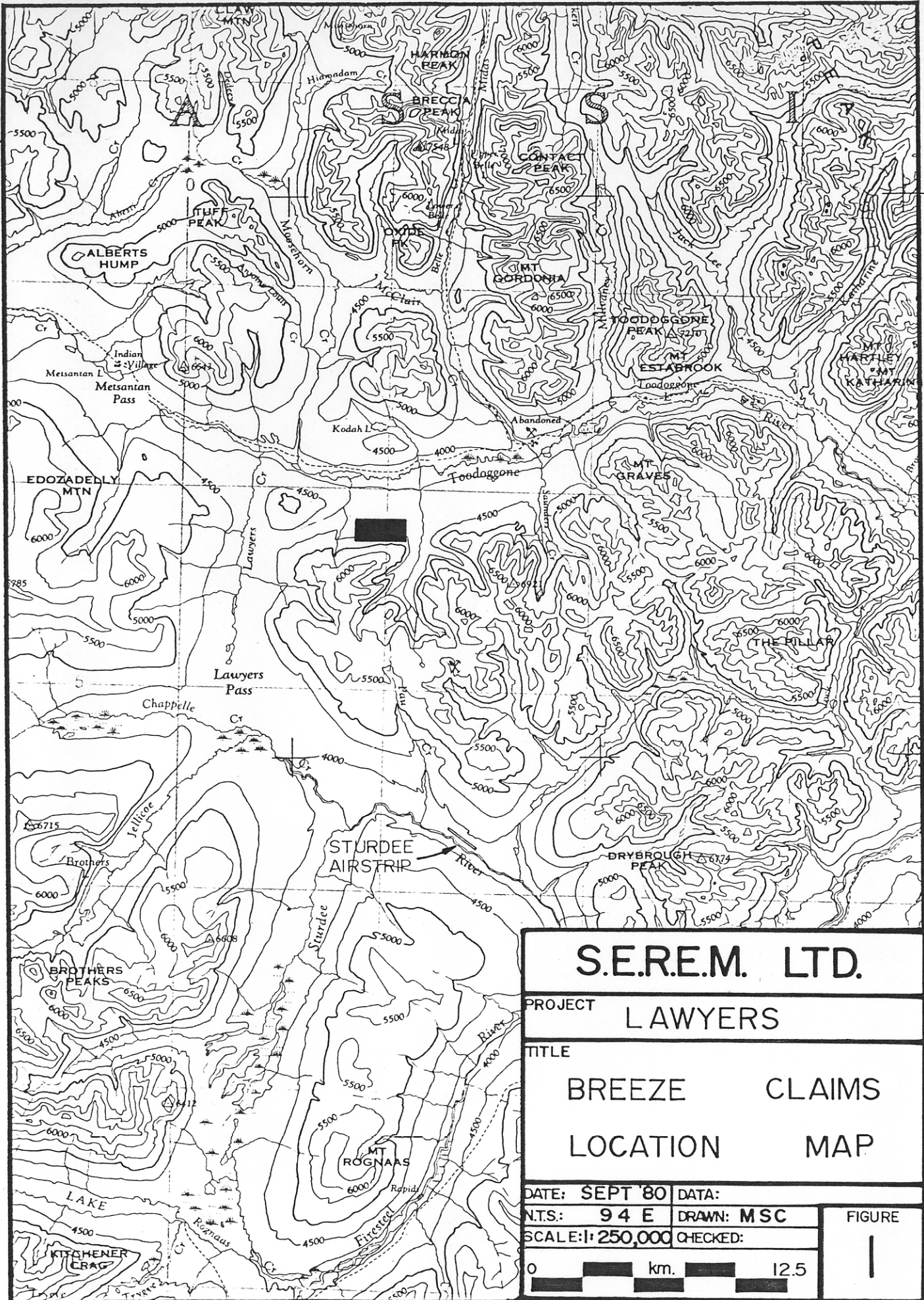
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INTRODUCTION

The Breeze Claims (10 units) are located approximately 14 km west southwest of Toodoggone Lake and 6 km east of Lawyers Creek on the Toodoggone River map sheet 94E (Fig. 1). Access to the property is by fixed wing from Smithers (290 km) to the Sturdee Valley airstrip and by helicopter to the property (20 km).

The Breeze Claims were staked in September 1979 and recorded October 12, 1979. They tie on to the north of the New Lawyers claims. Work done this season consists of a small soil grid on the upper portion of the claim block. A total of 97 samples were collected over .125 square kilometers.



57° 30'

57° 15'

127° 15'

127° 00'

S.E.R.E.M. LTD.	
PROJECT	LAWYERS
TITLE	BREEZE CLAIMS
	LOCATION MAP
DATE: SEPT '80	DATA:
N.T.S.: 94 E	DRAWN: MSC
SCALE: 1:250,000	CHECKED:
	FIGURE 1

GEOLOGY

The Breeze claims are underlain by Jurassic volcanic rocks of the Hazelton Group. In this area the upper portion of the Hazelton Group is informally referred to as the Toodoggone volcanics and consists of porphyritic flows, crystal lapilli tuffs, water lain tuffs and sedimentary rocks related to the volcanics. There is very little outcrop on the grid itself, but known mineralization occurs directly to the south on the adjoining New Lawyers claim block.

GEOCHEMICAL SURVEY

Two soil lines were run along the southern boundary of the Breeze claims to form a long, narrow grid with samples spaced at 50 meter intervals. The area sits right at tree line in scrubby timber and buck brush. Overburden appears to be fairly thick and consists of material moved down slope. Sample locations were surveyed with hip chain and compass and marked with labelled flagging. Figure 2 shows the sample site distribution.

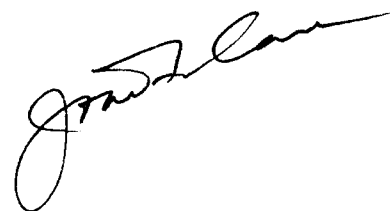
Samples were shipped to North Vancouver and analysed by Min-En Laboratories using the following laboratory technique:

Samples are dried at 95° C and sieved for the minus 80 mesh fraction. For gold, 5-10 grams of sample are first treated with an HNO₃ and HClO₄ mixture, then digested with Aqua Regia solution. After digestion, the samples are taken up with 25% HCl to suitable volume. Sample solutions are prepared with Methyl Iso-Butyl Ketone for the extraction of gold and this is analysed by Atomic Absorption.

For silver, 1.0 gram of sample is digested for 6 hours with HNO₃ and HClO₄ mixture. After cooling, the solutions are diluted to standard volume and are analysed by Atomic Absorption Spectrophotometers using the CH₂H₂ Air-flame combination.

RESULTS AND CONCLUSIONS

The two soil lines, roughly contour lines, were run to assess the possibility of a northern extension of mineralization on the New Lawyers claims to the south. Gold and silver values obtained are plotted on Figures 3 and 4. Only one isolated gold value of 200 ppm is of much interest and a single silver value of 3.2 ppm is also weakly anomalous. There is, however, no extensive anomaly as to the south. This could be due to fairly thick overburden or mineralization may not continue this far to the north.

A handwritten signature in black ink, appearing to read "John Law", is located in the bottom right corner of the page.

STATEMENT OF COSTS

Wages

G. Price	July 18 and 31	2 days @ \$ 55/day	\$ 110
J. Rushton	July 31	1 day @ \$ 50/day	50
J. Carne	July 18	1 day field supervision @ \$100/day	100
"		1 day report @ \$100/day	<u>100</u>
			\$ 360

Room & Board

4 man days @ \$26/man day	112
includes food, equipment, fuel for camp	

Transportation

Camp support - Fixed Wing and Helicopter	
4 days @ \$18/man day	72
Helicopter to Property	
0:10 hr. @ \$310/hr. + \$102/hr. fuel	69

Analyses

97 soils analysed for Ag, Au @ \$6.60/sample	640
Sample shipping	24

Report expenses

	<u>50</u>
Total	<u>\$1,327</u>

STATEMENT OF QUALIFICATIONS

I, JOAN F. CARNE, of Vancouver, B.C. hereby certify that:

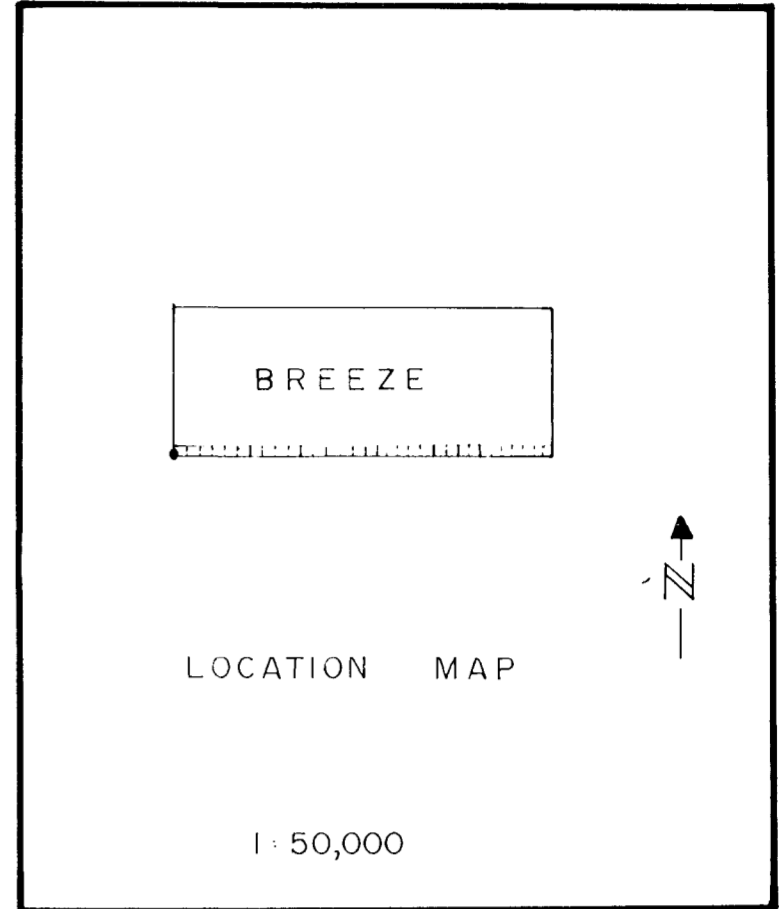
1. I hold a B.A. in geology from Middlebury College, Middlebury, Vermont and an M.Sc. in geology from the University of British Columbia.
2. I am a geologist employed by S.E.R.E.M. Ltd. of 300 - 535 Thurlow Street, Vancouver, B.C., V6E 3L2.
3. I have worked in geology and mineral exploration for four years.
4. The field work described in this report was carried out under my supervision.
5. I have no financial interest in the claims covered by this report or in S.E.R.E.M. Ltd.

Dated this



Joan F. Carne,
Geologist.

.91	.92	25+00	e
.90	.93		
.89	.44	24+00	e
.88	.95		
.87	.96	23+00	e
.86	.97		
.85		22+00	e
.84			
.83		21+00	e
.82			
.81		20+00	e
.80	.40		
.79	.39	19+00	e
.78	.38		
.77	.37	18+00	e
.76	.36		
.75	.35	17+00	e
.74	.34		
.73	.33	16+00	e
.72	.32		
.71	.31	15+00	e
.70	.30		
.69	.29	14+00	e
.68	.28		
.67	.27	13+00	e
.66	.26		
.65	.25	12+00	e
.64	.24		
.63	.23	11+00	e
.62	.22		
.61	.21	10+00	e
.60	.20		
.59	.19	9+00	e
.58	.18		
.57	.17	8+00	e
.56	.16		
.55	.15	7+00	e
.54	.14		
.53	.13	6+00	e
.52	.12		
.51	.11	5+00	e
.50	.10		
.49	.9	4+00	e
.48	.8		
.47	.7	3+00	e
.46	.6		
.45	.5	2+00	e
.44	.4		
.43	.3	1+00	e
.42	.2		
.41	.1	0+00	e
		□	L.C.P.
0+500	n		
0+000	n		



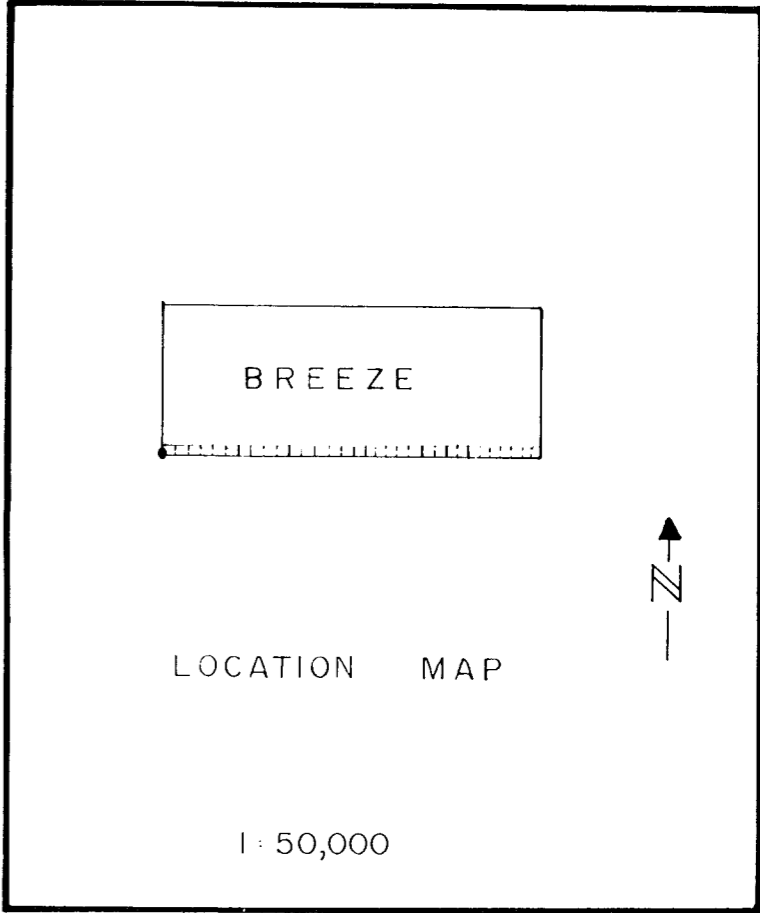
MINERAL RESOURCES BRANCH
 REPORT NO. **8443**

John C.

LEGEND	
SAMPLE	LOCATIONS
S.E.R.E.M. LTD.	
PROJECT LAWYERS	
TITLE BREEZE SOIL GRID	
DATE SEPT. 1980	DATA
NTS. 94 E	DRAWN M.S.C.
SCALE 1:5000	CHECKED
FIGURE 2	

.15	.5	25+00	e
.15	.5		
.15	.5	24+00	e
.5	.15		
.10	.10	23+00	e
.15	.5		
.5		22+00	e
.5			
.5		21+00	e
.5			
.5		20+00	e
.15	.15		
←	.15	.5	19+00 e
←	.10	.5	
.25	.5	18+00	e
.10	.10		
.15	.15	17+00	e
.15	.15		
.5	.5	16+00	e
.5	.10		
.5	.10	15+00	e
.5	.15		
.5	.5	14+00	e
.15	.5		
.20	.10	13+00	e
.5	.10		
.10	.15	12+00	e
←	.15	.5	
.10	.15	11+00	e
.10	.5		
.20	.10	10+00	e
.10	.5		
.15	.10	9+00	e
.10	.5		
.15	.10	8+00	e
.20	.10		
←	.5	.15	7+00 e
.25	.10		
.10	.10	6+00	e
.15	.15		
.5	.5	5+00	e
.5	.5		
.5	.20	4+00	e
.15	.10		
.10	.10	3+00	e
.10	.15		
.20	.15	2+00	e
.5	.15		
.35	.20	1+00	e
←	.40	.20	
.20	.15	0+00	e
		□	L.C.P.

0+500
0
+
0

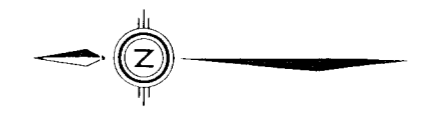
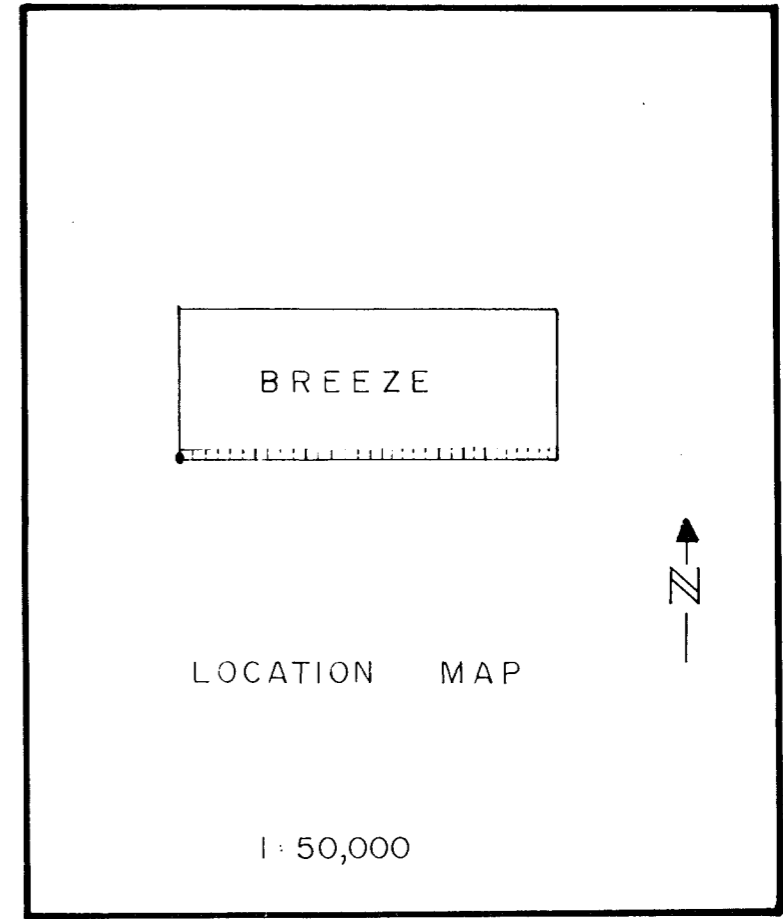


8443

LEGEND			
Au IN SOIL (ppb)			
S.E.R.E.M. LTD.			
PROJECT	LAWYERS		
TITLE			
BREEZE SOIL GRID			
DATE	SEPT. 1980	DATA	
NTS	94 E	DRAWN	M.S.C.
SCALE	1:5000	CHECKED	
200 150 100 50 0 metres		250	FIGURE
			3

Handwritten signature

.06	.12	25+00	e
.11	.12		
.14	.08	24+00	e
.17	.14		
.13	.14	23+00	e
.10	.10		
.17		22+00	e
.13			
.08		21+00	e
.09			
.12		20+00	e
.15	.08		
←	.12	.08	19+00 e
←	.06	.09	
.16	.10	18+00	e
.07	.07		
.07	.11	17+00	e
.11	.08		
.12	.11	16+00	e
.08	.12		
.14	.12	15+00	e
.07	.09		
.12	.13	14+00	e
.09	.08		
.13	.12	13+00	e
.11	.07		
.10	.05	12+00	e
←	.08	.10	
.17	.12	11+00	e
.13	.07		
.07	.05	10+00	e
.06	.10		
.04	.18	9+00	e
.13	.05		
.15	.04	8+00	e
.17	.05		
←	.05	.07	7+00 e
.12	.08		
.13	.08	6+00	e
.17	.04		
.15	.09	5+00	e
.14	.02		
.09	.08	4+00	e
.32	.04		
.17	.10	3+00	e
.11	.08		
.11	.08	2+00	e
.17	.08		
.07	.06	1+00	e
←	.12	.06	
.14	.07	0+00	e
□		L.C.P.	
0	500	0	0
+	000	+	0
0	0	0	0



LEGEND	
Ag IN SOIL (ppm)	
S.E.R.E.M. LTD.	
PROJECT LAWYERS	
TITLE BREEZE SOIL GRID	
DATE SEPT. 1980	DATA
NTS 94 E	DRAWN M.S.C.
SCALE 1:5000	CHECKED
200 150 100 50 0 metres 250	
FIGURE 4	

FEDERAL RESOURCES BRANCH
NO. 8443

John F. Co.