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BRITISH NEWFOUNDLAND EXPLORATION LIMITED

010

Soil Geochemistry of Grid A.E.-4, Vison Lake
Manitouwadge Project

by

Philip Hum

NTS Ref.: 42 F 2

Brinex Document No. C78004

December 1978

Introduction

A soil geochemistry survey was carried out during the period September 21 to October 7, 1978. The purpose of the survey was to find additional information to support the drill programme planned to test the previously indicated magnetic and electromagnetic conductors.

Previous Work

A combined airborne magnetic and electromagnetic survey was carried out during the period August 9 to August 19, 1977 for British Newfoundland Exploration Limited by Aerodat Ltd.

Line cutting and ground magnetic & horizontal loop electromagnetic surveys were completed during the period June 1 to June 30, 1978 for British Newfoundland Exploration Ltd. by Geoex Ltd.

Location and Access

The property consists of the following five contiguous, unpatented mining claims located in Lessard Township, Porcupine Mining Division, Ontario:

P501198 to P501201 inclusive
P516917

The property is approximately 4,000' north of Vison Lake and is accessible only by float equipped aircraft from Hornepayne, Ontario, a distance of approximately 8 air miles. The area is heavily wooded with spruce and poplar in the higher ground and thick cedars in the swamps.

Field Procedure

The survey was carried out by the author and one assistant. Stations were made at 100' intervals on lines cut at 400' spacing. Samples were taken at a depth from 0 to 3 feet with the aid of a soil sampler with a 1" diameter wood anger. Each sample was put into a Kraft soil sample bag, dried and sent to Technical Service Labratories in Toronto for analysis.

At each station the B-horizon was sampled whenever possible and was generally encountered 1½' to 2½' below the surface. Where no B-horizon was encountered, the A or C-horizon were subsequently sampled.

The soil profile of the area is generally a podzol with the B-horizon ranging from well developed to poorly developed to missing entirely. Difficulty in sampling arose with the soil being very dry and sandy and the ground being very bouldery. A stream sediment sample was also taken wherever a stream crossed a cut line.

Results

A total of 176 soil samples were collected and assayed for copper, lead, zinc, nickel and silver. The sample mean and standard deviation were calculated for each metal and is shown in the table below. Also shown are the values considered to be anomalous, the number of anomalies and the highest value. The anomalous values were calculated using the sample mean plus three standard deviations.

The frequency of occurrence of anomalous values is also expressed as a percent of the total samples. A list of all samples and their assay results can be found in the Appendix following this report.

	SAMPLE MEAN (PPM)	STANDARD DEVIATION (PPM)	ANOMALOUS VALUE (PPM)	NO. OF ANOMALIES	HIGHEST VALUE (PPM)	FREQUENCY OF OCCURRENCE (%)
Cu	22.9	22.0	>89	5	149	2.8
Pb	5.2	5.4	>21	0	20	-
Zn	31.9	16.0	>79	5	110	2.8
Ni	39.5	35.6	>149	5	200	2.8
Ag	1.6	0.88	>3.9	0	3.6	-

Conclusions and Recommendations

The results obtained were low and not encouraging. Anomalies are scattered and show no pattern and are usually single high concentrations. None of the anomalies occur near the electromagnetic conductor or near any of the magnetic anomalies. A few overlap between nickel and copper anomalies and nickel and zinc anomalies occur, but are weak.

Overburden is not generally deep in the area, but results may not be representative of country rock potential due to the poor nature of the soil.

The survey did not find any additional information and drill targets should remain as previously indicated by the geophysical surveys.

References

Aerodat Limited

1977: Report on an Airborne Magnetic and Electromagnetic Survey, Manitouwadge Area, Ontario.
Brinex Doc. P77004

George, P.T.

1977: Report Re: Staking, Recon VLF-EM and Recon. Geology, Manitouwadge Area, for Brinex Ltd.
Geoex Ltd., Brinex Doc. G77055

1978: Geophysical Surveys for Brinex, Manitouwadge Area, Grid Vison Lake, AE-4
Geoex Ltd., Brinex Doc. P78006

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TECHNICAL SERVICE LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DRIVE, MISSISSAUGA, ONT. L4W 1A2
TELEPHONE: (416) 625-1544
TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Brinex Ltd.,
33 City Center Drive,
Mississauga, Ontario.
L5B 2S8

Attn. P. Hum and
N. R. Newson

REPORT No.
T - 08256

Inv. #9127
P.O. MSG 382-78

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A4 - 1	29	7	36	31	2.4
2	29	2	25	17	2.0
3	22	1	22	18	1.8
4	29	9	31	30	2.4
5	29	10	30	31	2.8
6	36	4	35	24	1.6
7	16	6	29	18	1.2
8	28	11	29	27	2.4
9	21	4	29	22	3.0
10	28	20	25	25	1.6
11	37	8	23	26	1.8
12	40	6	22	29	1.0
13	41	5	27	27	1.0
14	32	4	32	40	0.8
15	13	2	22	18	0.4
16	30	6	27	31	1.0
17	17	11	22	18	1.4
18	17	2	30	26	2.2
19	17	3	26	27	2.6
20	72	3	25	39	0.4

mples, Pulps and Rejects discarded after two months

DATE October 6th, 1978.

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TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Brinex Ltd.,

Attn. P. Hum/N. R. Newson

REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A4-21	15	1	24	23	0.6
22	84	1	191	81	1.4
23	102	1	68	21	0.4
24	39	3	30	23	0.6
25	54	1	120	62	0.8
26	91	1	200	61	3.0
27	56	1	93	74	3.2
28	21	5	10	17	1.2
29	14	8	13	19	1.4
30	36	2	34	31	1.4
31	22	1	28	22	1.4
32	58	1	114	42	0.8
33	26	1	30	19	1.1
34	38	8	31	17	0.8
35	51	2	23	36	1.8
36	81	1	98	≠71	2.0
37	90	1	127	68	2.6
38	23	1	51	39	0.8
39	29	2	24	29	1.6
40	15	5	16	20	2.6

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SAMPLE(S) FROM Brinex Ltd.

Attn. P. Hum/N. R. Newson

REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4 - 41	44	1	67	47	2.2
42	19	1	22	28	2.3
43	21	3	24	26	1.2
44	27	1	25	35	2.4
45	29	2	12	29	1.5
46	16	2	22	24	2.8
47	36	1	23	36	1.4
48	28	1	23	33	1.6
49	20	2	21	26	2.5
50	27	9	26	22	1.1
51	No Sample				
52	15	1	26	27	2.7
53	29	2	38	35	1.0
54	38	1	29	38	1.9
55	18	1	22	25	1.8
56	19	2	27	28	2.0
57	20	12	25	25	1.2
58	13	2	20	26	0.4
59	No Sample				
60	21	1	29	30	0.6

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Attn. P. Hum/N. R. Newson

REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4 - 61	16	1	23	24	2.4
62	14	16	18	20	3.6
63	16	3	24	26	2.0
64	17	16	22	24	1.2
65	25	8	30	32	3.4
66	8	15	15	18	1.0
67	26	15	30	27	2.2
68	23	1	31	30	3.2
69	15	1	22	24	0.8
70	14	1	25	23	0.6
71	47	1	61	40	1.4
72	45	1	77	38	3.1
73	37	1	59	39	1.8
74	41	2	75	59	0.7
75	38	1	90	61	0.8
76	55	2	70	35	0.6
77	149	2	200	39	0.8
78	52	3	97	45	1.6
79	32	6	23	27	1.4
80	40	1	64	33	1.4

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REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4-81	36	2	97	65	0.8
82	22	8	31	22	0.7
83	16	3	28	23	0.4
84	15	4	21	24	3.0
85	11	2	28	24	1.0
86	85	1	168	110	1.2
87	22	2	40	28	1.6
88	65	1	109	82	1.2
89	27	1	37	31	2.4
90	11	3	27	25	0.4
91	12	6	22	27	1.0
92	7	7	18	22	0.4
93	16	1	23	35	2.6
94	14	16	21	21	3.2
95	10	9	21	28	0.6
96	9	18	21	17	1.0
97	10	10	19	22	3.0
98	9	3	17	29	2.4
99	12	8	15	29	2.2
100	9	15	18	24	2.0

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SAMPLE(S) FROM Brinex Ltd.

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REPORT No. T - 08256

SAMPLE(S) OF SOIL

		Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4 -	101	22	1	32	29	3.3
	102	18	2	23	23	2.6
	103	10	2	14	22	0.6
	104	No Sample				
	105	15	6	24	23	1.0
	106	16	4	22	21	1.4
	107	16	1	15	23	3.6
	108	23	5	25	20	1.2
	109	45	1	26	33	2.6
	110	21	2	26	29	2.7
	111	16	10	21	22	1.6
	112	15	15	24	24	1.0
	113	No Sample				
	114	No Sample				
	115	No Sample				
	116	16	20	25	23	1.4
	117	18	7	22	26	1.0
	118	25	18	30	27	3.2
	119	17	9	26	30	1.6
	120	16	20	20	32	2.8

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Attn. P. Hum/N.R. Newson

REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4 - 121	21	10	21	18	2.4
122	13	6	19	24	1.2
123	No Sample				
124	14	20	18	21	1.0
125	32	9	34	31	1.8
126	8	8	13	21	2.2
127	10	2	18	27	2.4
128	17	1	37	34	1.0
129	36	1	10	73	3.6
130	57	1	94	58	2.4
131	64	1	29	48	1.6
132	12	5	30	33	1.4
133	16	1	24	37	2.6
134	23	1	76	47	0.6
135	42	5	19	34	2.0
136	31	1	40	29	0.8
137	20	1	64	28	3.3
138	57	1	38	28	0.6
139	22	1	35	32	3.4
140	31	1	53	45	1.2

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SAMPLE(S) FROM Brinex Ltd.

Attn. P. Hum/N. R. Newson

REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4 - 141	40	1	66	48	2.8
142	35	2	45	30	0.6
143	86	1	125	84	1.0
144	60	1	67	44	1.8
145	29	2	40	40	2.2
146	19	13	28	21	1.0
147	No Sample				
148	No Sample				
149	14	8	20	20	2.2
150	29	1	23	28	2.1
151	35	7	31	28	1.8
152	24	8	42	22	1.9
153	85	3	44	25	1.2
154	26	14	23	21	1.0
155	52	12	28	24	0.8
156	23	8	62	30	2.4
157	60	14	27	22	0.6
158	42	14	26	22	0.8
159	No Sample				
160	17	17	26	20	1.2

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DATE October 6th, 1978.

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TELEPHONE: (416) 625-1544
TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Brinex Ltd.

Attn. P. Hum/N. R. Newson

REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4- 161	10	10	18	22	0.6
162	12	15	21	19	0.8
163	14	1	16	28	2.0
164	14	1	24	29	1.4
165	No Sample				
166	12	12	21	25	0.8
167	14	9	20	23	1.4
168	13	1	24	27	0.6
169	12	1	24	24	0.4
170	14	1	18	22	0.4
171	5	20	8	14	0.2
172	53	1	113	78	0.8
173	49	1	73	49	1.6
174	80	1	151	70	0.8
175	9	15	8	15	0.7
176	33	1	29	27	0.4
177	No Sample				
178	39	1	85	46	0.5
179	15	20	20	16	0.8
180	No Sample				

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DATE October 6th, 1978. SIGNED

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TELEPHONE: (416) 625-1544
TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Brinex Ltd.

Attn. P. Hum/N. R. Newson

REPORT No. T - 08256

SAMPLE(S) OF SOIL

	Copper (Cu) ppm	Lead (Pb) ppm	Nickel (Ni) ppm	Zinc (Zn) ppm	Silver (Ag) ppm
A 4 - 181	No Sample				
182	No Sample				
183	No Sample				
184	5	13	9	12	0.4
185	22	9	26	29	2.5
186	22	2	30	18	0.4
187	96	1	49	25	0.4
188	45	1	137	98	0.8
189	12	1	24	30	0.4
190	10	8	8	18	0.4
191	22	8	21	18	0.8
192	30	1	44	27	0.6

Samples, Pulps and Rejects discarded after two months

DATE October 6th, 1978. SIGNED

BRITISH NEWFOUNDLAND EXPLORATION LIMITED

Soil Geochemistry of Grid A.E.-5, Vison Lake

Manitouwadge Project

by

Philip Hum

NTS Ref.: 42 F 3

December 1978

Brinex Document No. C78005

Introduction

A soil geochemistry survey was carried out during the period September 21 to October 7, 1978. The purpose of the survey was to find additional information to support the drill programme planned to test the previously indicated magnetic and electromagnetic conductors.

Previous Work

A combined airborne magnetic and electromagnetic survey was carried out during the period August 9 to August 19, 1977 for British Newfoundland Exploration Limited by Aerodat Ltd.

Line cutting and ground magnetic & horizontal loop electromagnetic surveys were completed during the period June 1 to June 30, 1978 for British Newfoundland Exploration Ltd. by Geoex Ltd.

Location and Access

The property consists of the following eight contiguous, unpatented mining claims located in Lessard Township, Porcupine Mining Division, Ontario:

P501202 to P501207 inclusive
P516918 and P516919

The property is located approximately 2,600' south of Vison Lake and is accessible only by float equipped aircraft from Hornepayne, Ontario, a distance of approximately eight air miles.

The area is heavily wooded with spruce and poplar in the higher ground and thick cedars in the swamps.

Field Procedures

The survey was carried out by the author and one assistant. Stations were made at 100' intervals on lines cut at 400' spacing. Samples were taken at a depth from 0 to 3 feet with the aid of a soil sampler with a 1" diameter wood anger. Each sample was put into a Kraft soil sample bag, dried and sent to Technical Service Labratories in Toronto for analysis.

At each station the B-horizon was sampled whenever possible and was generally encountered 1½' to 2½' below the surface. Where no B-horizon was encountered, the A or C-horizon were subsequently sampled.

The soil profile of the area is generally a podzol with the B-horizon ranging from well developed to poorly developed to missing entirely. Difficulty in sampling arose with the soil being very dry and sandy and the ground being very bouldery. A stream sediment sample was also taken wherever a stream crossed a cut line.

Results

A total of 311 samples were collected and assayed for copper, lead, zinc, nickel and silver. The sample mean and standard deviation were calculated for each metal and is shown in the table below. Also shown are the values considered to be anomalous, the number of anomalies and the highest value. The anomalous values were calculated using the sample mean plus three standard deviations.

The frequency of occurrence of anomalous values is also expressed as a percent of the total samples. A list of all samples and their assay results can be found in the Appendix following this report.

	SAMPLE MEAN (PPM)	STANDARD DEVIATION (PPM)	ANOMALOUS VALUE (PPM)	NO. OF ANOMALIES	HIGHEST VALUE (PPM)	FREQUENCY OF OCCURRENCE (%)
Cu	9.9	12.7	>49	6	138	1.9
Pb	17.0	12.3	>49	6	128	1.9
Zn	18.5	9.3	>49	4	81	1.3
Ni	12.0	9.2	>39	5	86	1.6
Ag	0.85	0.92	>3.9	3	4.8	0.96

Conclusions and Recommendations

The results obtained were low and not encouraging. Anomalies are scattered and show no pattern and are usually a single high concentration. Several of the anomalies occur over the electromagnetic conductor and magnetic anomalies, but are weak. There is consistent overlap between copper and lead anomalies and zinc and nickel anomalies. One anomaly located on line 12-00 E at 6-00N shows overlapping of copper, lead and nickel. It also occurs 200' south of the proposed drill target.

The survey adds a little support to the proposed drill programme and drill targets should remain as previously indicated by the geophysical surveys.

References

Aerodat Limited

1977: Report on an Airborne Magnetic and Electromagnetic Survey, Manitouwadge Area, Ontario. Brinex Doc. P77004

George, P.T.

1977: Report Re: Staking, Recon VLF-EM and Recon. Geology, Manitouwadge Area, for Brinex Ltd. Geoex Ltd., Brinex Doc. G77055

1978: Geophysical Surveys for Brinex, Manitouwadge Area, Grid Vison Lake, A.E.-5 Geoex Ltd., Brinex Doc. P78007

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1301 FEWSTER DRIVE, MISSISSAUGA, ONT. L4W 1A2
TELEPHONE: (416) 625-1544
TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Brinex,
Suite 210,
33 City Centre Drive,
Mississauga, Ontario.
L5B 2S8

Attn. P. Hum
R. Newson

REPORT No. T - 08257

Inv. #9193
P.O. MSG 382-78

SAMPLE(S) OF: SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A5 - 1	10	10	28	47	<0.2
2	4	8	8	5	<0.2
3	12	20	33	14	0.2
4	11	18	19	15	0.2
5	8	16	40	12	<0.2
6	16	19	22	19	<0.2
7	15	22	20	14	0.6
8	17	28	19	16	0.7
9	14	32	23	18	1.2
10	11	15	25	18	2.3
11	53	50	22	17	1.6
12	138	128	40	25	0.4
13	12	25	23	16	0.8
14	8	13	20	15	0.6
15	5	14	12	10	0.4
16	5	8	17	12	0.3
17	5	20	12	10	0.4
18	10	12	18	16	0.5
19	10	10	16	14	3.2
20	4	6	11	12	0.3

Samples, Pulps and Rejects discarded after two months

DATE October 13th, 1978.

SIGNED C. J. Deboni

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Brinex

Attn. P. Hum / R. Newson

REPORT No. T - 08257

Inv. #9193

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A5 - 21	10	16	20	12	3.2
22	12	21	22	17	0.3
23	9	18	19	18	0.8
24	9	15	16	16	0.2
25	4	17	14	9	0.2
26	7	15	21	12	0.2
27	5	18	15	11	1.8
28	7	14	18	14	0.5
29	64	62	44	18	0.3
30	16	23	26	15	0.2
31	21	38	17	10	<0.2
32	11	28	28	14	0.2
33	27	42	39	28	3.1
34	24	38	28	40	0.4
35	13	29	72	86	0.3
36	4	18	12	9	0.2
37	5	11	6	4	2.9
38	6	5	18	8	0.3
39	4	12	7	5	<0.2
40	4	7	9	6	0.4

mples, Pulps and Rejects discarded after two months

DATE October 13th, 1978. SIGNED

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TECHNICAL SERVICE LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DRIVE, MISSISSAUGA, ONT. L4W 1A2
TELEPHONE: (416) 625-1544
TELEX 06-960215

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Brinex

Attn. P. Hum / R. Newson

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A5 - 41	10	16	19	21	0.2
42	3	7	7	4	0.2
43	10	16	15	12	4.8
44	5	8	14	11	0.3
45	17	23	31	22	2.0
46	9	19	16	17	0.6
47	No Sample				
48	3	6	14	4	2.2
49	14	20	21	19	0.3
50	18	24	29	30	0.2
51	28	34	81	77	0.3
52	4	8	18	14	<0.2
53	8	14	23	15	4.8
54	4	11	19	18	0.2
55	7	14	27	17	2.3
56	5	11	20	18	1.4
57	4	12	24	15	0.3
58	5	18	25	16	0.2
59	4	13	20	14	0.3
60	7	11	29	15	0.2

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SAMPLE(S) FROM Brinex

Attn. P. Hum / R. Newson

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A5 - 61	12	18	19	19	1.3
62	20	24	15	17	0.2
63	21	38	20	18	1.1
64	12	21	34	25	0.4
65	5	14	18	16	2.1
66	7	25	22	18	0.5
67	5	14	18	14	0.4
68	4	16	29	12	0.6
69	5	17	19	10	0.2
70	14	30	23	15	0.8
71	4	16	20	14	0.2
72	4	14	14	11	0.6
73	3	11	12	9	2.7
74	5	15	18	10	0.3
75	7	24	19	8	2.0
76	6	19	20	12	0.2
77	7	21	18	11	0.2
78	3	13	20	13	<0.2
79	10	19	21	14	1.4
80	8	20	14	9	0.8

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SAMPLE(S) FROM Brinex

Attn. P. Hum / R. Newson

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A5 - 81	4	14	11	12	0.4
82	2	6	14	8	0.2
83	5	7	18	10	0.4
84	6	11	19	11	0.2
85	6	7	13	7	<0.2
86	10	16	30	26	0.2
87	3	6	11	5	<0.2
88	3	9	15	8	<0.2
89	4	5	16	7	2.4
90	4	8	12	6	0.4
91	2	3	10	4	0.2
92	5	4	14	6	0.2
93	2	4	5	3	0.2
94	2	5	11	3	<0.2
95	4	6	9	4	<0.2
96	5	13	24	21	1.3
97	11	8	22	20	3.1
98	8	6	27	19	0.4
99	5	5	15	10	2.2
100	6	14	16	11	0.2

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SAMPLE(S) FROM Brinex

Attn. P. Hum / R. Newson

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A5 - 101	No Sample				
102	5	21	11	8	0.8
103	11	19	22	18	1.3
104	2	9	12	10	1.8
105	6	15	27	16	1.9
106	6	14	16	8	0.6
107	10	18	26	14	2.8
108	3	12	14	9	0.9
109	5	14	18	7	0.7
110	9	26	19	10	1.3
111	4	13	14	11	0.3
112	4	15	16	8	2.9
113	16	29	26	16	2.7
114	4	22	14	14	1.5
115	2	17	9	6	0.8
116	3	12	14	8	0.7
117	58	59	13	9	0.5
118	5	17	27	17	0.6
119	2	15	13	8	0.7
120	1	10	14	7	1.0

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A5 - 121	5	16	21	15	0.5
122	2	10	10	7	1.2
123	5	12	35	12	0.4
124	4	10	18	16	0.3
125	9	8	19	14	0.5
126	6	11	24	15	0.4
127	8	12	19	10	2.9
128	7	10	35	28	0.6
129	9	19	21	20	3.0
130	8	29	20	18	1.0
131	13	27	18	14	2.9
132	28	31	15	12	0.5
133	9	29	16	10	2.7
134	13	31	15	12	0.9
135	8	17	16	13	0.6
136	13	23	24	16	0.4
137	6	14	17	8	3.2
138	5	15	18	10	0.4
139	6	28	14	9	1.2
140	6	26	15	10	1.0

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 - 141	13	30	17	14	1.1
142	12	17	18	16	2.0
143	7	12	12	10	2.2
144	5	8	24	8	0.6
145	3	10	15	6	0.7
146	3	12	16	8	0.5
147	10	9	22	14	2.6
148	11	10	24	15	0.5
149	10	8	12	10	2.5
150	29	31	35	19	0.9
151	5	17	28	18	1.3
152	3	10	2	3	0.6
153	6	8	10	5	0.8
154	5	12	11	6	0.7
155	15	13	8	4	0.7
156	10	11	22	5	0.8
157	8	11	17	8	1.8
158	13	15	18	6	0.9
159	14	11	21	8	2.6
160	13	16	17	5	0.3

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 - 161	16	22	15	12	0.6
162	8	13	18	14	2.5
163	15	22	24	18	4.2
164	9	12	10	4	<0.2
165	11	17	30	8	<0.2
166	8	8	15	3	<0.2
167	17	19	25	8	<0.2
168	56	51	22	10	1.9
169	9	15	34	18	0.3
170	13	18	35	20	1.5
171	19	14	26	17	1.8
172	8	10	16	12	0.2
173	10	15	17	10	0.6
174	10	13	2	2	0.9
175	7	18	1	3	<0.2
176	8	18	18	8	0.3
177	12	24	22	12	2.3
178	15	27	25	14	0.6
179	No Sample				
180	23	31	39	24	1.4

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 - 181	10	15	25	16	3.4
182	11	13	10	3	2.1
183	12	18	18	6	0.3
184	6	25	8	2	<0.2
185	8	10	17	5	0.4
186	10	15	16	8	1.1
187	8	11	13	5	<0.2
188	11	10	25	11	0.3
189	5	11	10	4	<0.2
190	4	15	14	3	0.5
191	7	18	20	11	2.2
192	6	14	18	7	0.2
193	9	12	20	8	0.4
194	10	14	22	8	0.4
195	5	17	19	5	0.2
196	10	19	18	4	0.9
197	17	24	17	4	0.4
198	15	17	14	5	0.3
199	7	12	18	4	0.2
200	9	14	17	3	0.7

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

		Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 -	201	5	9	9	3	0.2
	202	11	15	16	9	2.1
	203	5	14	8	2	<0.2
	204	4	12	7	2	0.8
	205	20	30	25	20	0.7
	206	13	27	16	16	0.6
	207	7	11	14	9	0.3
	208	7	10	13	12	3.4
	209	6	8	12	10	1.9
	210	12	16	18	8	0.7
	211	9	14	19	10	0.4
	212	5	10	11	6	<0.2
	213	8	9	14	7	0.3
	214	10	13	18	8	0.2
	215	8	12	16	8	0.2
	216	5	14	9	5	0.3
	217	8	10	21	10	0.2
	218	5	11	8	4	0.2
	219	10	15	13	3	0.5
	220	9	10	8	2	0.3

Samples, Pulps and Rejects discarded after two months

DATE October 13th, 1978. SIGNED G. Debram

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 - 221	19	29	31	22	0.5
222	132	124	27	44	0.4
223	21	37	22	11	1.0
224	6	14	17	10	0.3
225	42	48	28	18	0.5
226	5	12	16	12	0.4
227	4	10	18	10	0.2
228	10	15	28	14	0.2
229	6	11	20	15	0.2
230	14	25	19	10	0.8
231	20	32	76	75	0.4
232	6	16	14	13	0.2
233	7	14	19	15	3.1
234	7	15	16	11	1.2
235	7	14	21	16	0.3
236	5	15	13	8	0.3
237	4	12	17	10	0.2
238	4	10	12	11	0.2
239	5	13	14	10	0.6
240	11	10	13	11	0.3

Samples, Pulps and Rejects discarded after two months

DATE October 13th, 1978. SIGNED A. Debran

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 - 241	16	22	14	5	0.2
242	6	16	15	4	<0.2
243	4	14	13	3	<0.2
244	4	14	22	10	<0.2
245	2	9	6	2	<0.2
246	3	10	11	3	<0.2
247	4	10	9	4	<0.2
248	5	13	12	5	<0.2
249	7	15	12	8	<0.2
250	6	11	18	10	<0.2
251	2	6	5	2	<0.2
252	14	20	24	8	<0.2
253	5	11	14	5	<0.2
254	7	16	20	7	3.4
255	3	14	9	3	0.2
256	8	10	7	2	1.6
257	12	22	16	8	2.2
258	6	14	17	5	1.8
259	5	15	14	4	0.6
260	6	13	15	3	0.7

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 - 261	6	11	7	6	0.7
262	5	8	13	8	0.8
263	4	8	10	5	<0.2
264	7	10	16	6	0.8
265	3	7	3	2	<0.2
266	6	9	11	3	0.8
267	3	5	12	3	<0.2
268	6	8	15	4	<0.2
269	6	11	13	3	<0.2
270	5	9	13	3	<0.2
271	8	18	48	21	1.8
272	5	7	12	7	2.2
273	5	6	12	8	1.3
274	4	8	13	7	0.8
275	5	8	14	6	2.6
276	4	5	9	3	2.1
277	7	7	15	17	0.5
278	10	22	26	32	0.4
279	6	15	14	14	1.8
280	15	19	21	22	0.4

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SAMPLE(S) FROM Brinex

REPORT No. T - 08257

SAMPLE(S) OF SOILS

	Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 - 281	10	20	21	23	<0.2
282	9	18	17	17	<0.2
283	10	20	17	16	0.2
284	10	17	18	12	0.2
285	3	8	2	2	0.2
286	14	26	15	14	0.2
287	7	16	18	13	0.2
288	No Sample				
289	No Sample				
290	5	17	17	10	0.2
291	5	12	18	11	0.2
292	15	18	20	14	0.4
293	20	30	22	16	0.8
294	18	31	21	15	0.5
295	19	35	19	17	1.2
296	16	37	20	18	0.8
297	9	19	22	15	0.8
298	7	16	16	10	2.6
299	No Sample				
300	15	28	52	25	1.2

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REPORT No. T - 08257

SAMPLE(S) OF SOIL

		Copper (Cu) ppm	Lead (Pb) ppm	Zinc (Zn) ppm	Nickel (Ni) ppm	Silver (Ag) ppm
A 5 -	301	6	11	13	12	0.5
	302A	5	13	14	10	0.4
	302B	7	15	30	10	0.3
	303	6	19	28	17	0.3
	304	15	21	18	15	0.4
	305	4	14	6	5	2.6
	306	8	19	18	10	1.1
	307	5	17	22	8	1.5
	308	4	15	14	10	0.2
	309	3	8	9	6	0.2
	310	8	20	28	24	0.2
	311	5	15	11	15	0.6
	312	10	20	19	20	0.5
	313	12	20	23	20	0.6
	314	8	17	18	14	0.3
	315	7	11	19	16	0.2
	316	6	12	13	10	2.7
	311					
		3327	5288	5744	3733	265.0
		9.93	17.0	18.47	12.0	0.85
		2.69	12.32	9.33	9.23	0.92

Samples, Pulps and Rejects discarded after two months

DATE October 13th, 1978. SIGNED _____

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PROJECT MANITOUWADGE

D. D. HOLE No. M78-2

LOCATION Grid A.E.-4, North of Vison Lake, Hornepayne

HOLE STARTED October 15th, 1978

HOLE COMPLETED October 18th, 1978

CORE RECOVERY 100 %

DRILLED BY N. Morissette

SURVEY		
Depth	Dip	Azimuth
0'	-45°	0°
407'	-39°	

COLLAR LAT. 5 + 00 S

DEP. 16 + 00 E

ELEV.

AZIMUTH 0°

DIP -45°

LENGTH 407'

HOR. PROJ. 303' VERT. PROJ. 277'

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLING SPL. NO.	SAMPLING FROM	SAMPLING TO	SAMPLING FEET
0	16	Overburden				
16	33	Biotite-Quartz-Feldspar Gneiss - fine grained; dark grey color; contains quartz, feldspar and 30% biotite. Interlayered with Quartz-Feldspar-Biotite Gneiss and Biotite Gneiss Gneissosity is 45° to core 26' to 27' - Quartz-Feldspar-Biotite Gneiss Mineralization- contains a few specks of pyrite				
33	52.5	Quartz-Feldspar-Biotite Gneiss - medium grained; cream to pink color; contains quartz, pink feldspar and < 10% biotite. Interlayered with narrow layers of Biotite-Quartz-Feldspar Gneiss 37' - 38' - Mineralization - few specks of pyrite				
52.5	71	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'; with alternating narrow bands of light coloured Quartz-Feldspar-Biotite Gneiss Mineralization - odd speck of pyrite				

PROPERTY MANITOUWADGE

HOLE NO. M78-2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLING SPL. NO.	SAMPLING FROM	SAMPLING TO	SAMPLING FEET
71	72	Quartz-Feldspar-Biotite Gneiss - as 33' to 52.5'				
72	75	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'				
75	77	Pegmatite - medium grained; pale white to pinkish colour; contains quartz, feldspar and minor biotite Mineralization - contains pyrite specks thru out				
77	98	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'				
98	113	Quartz-Feldspar-Biotite Gneiss - 33' to 52.5'				
113	116	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'				
116	119	Pegmatite - medium grained; cream colour; Mineralization - odd speck of pyrite				
119	140	Biotite-Quartz-Feldspar Gneiss - as 16' to 33' Mineralization - odd speck of pyrite				
140	141.5	Quartz-Feldspar-Biotite Gneiss - as 33' to 52.5' Gneissosity is 45° to core Mineralization - few pyrite specks				
141.5	162	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'; with narrow bands of Quartz-Feldspar-Biotite Gneiss Mineralization - minor pyrite specks occur thru out				
162	168	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'				

PROPERTY MANITOUWADGE

HOLE NO. M78-2

SHEET NO. 3 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLING SPL NO.	SAMPLING FROM	SAMPLING TO	SAMPLING FEET
168	173.5	Pegmatite - medium to coarse grained; cream to pinkish color; contains quartz, feldspar and 20% biotite				
173.5	188.5	Quartz-Feldspar-Biotite Gneiss - as 33' to 52.5'; with narrow Biotite-Quartz-Feldspar Gneiss bands Mineralization - minor pyrite specks 178.5' - 179.5' - Biotite-Quartz-Feldspar Gneiss 180' - 183' - Biotite-Quartz-Feldspar Gneiss with minor pyrite specks				
188.5	236.5	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'; with narrow lenses (< 2') of Pegmatite and Quartz-Feldspar-Biotite Gneiss Gneissosity is 45° to core 211' - 212, - Pegmatite 223' - 224' - Pegmatite 233' - 235' - Quartz-Feldspar-Biotite Gneiss				
236.5	246	Quartz-Feldspar-Biotite Gneiss - as 33' to 52.5' Gneissosity is 55° to core Mineralization - minor pyrite specks thru out				
246	252	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'				
252	256	Pegmatite				
256	263	Biotite-Quartz-Feldspar Gneiss - as 16' to 33' 262.5' - 263' Mineralization - minor pyrite				
263	267	Quartz-Feldspar-Biotite Gneiss Mineralization - minor pyrite specks				

PROPERTY MANITOUWADGE

HOLE NO. M78-2

SHEET NO. 4 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLING SPL. NO.	SAMPLING FROM	SAMPLING TO	SAMPLING FEET	% Au	% Ag	% Cu	% Pb	% Zn	% Ni
267	271	Pegmatite Mineralization - minor pyrite										
271	277	Biotite-Quartz-Feldspar Gneiss - as 16' to 33' with narrow lenses of Pegmatite Gneissosity is 30° to core	1463	277	280	3	Nil	Tr.	.01	Nil	.01	
277	284	Quartz-Feldspar Biotite Gneiss - as 33' to 52.5' Gneissosity is 40° to core 280.5' - 281.0' - Mineralization - heavy concentration of disseminated pyrrhotite and pyrite with minor chalcopyrite <10% 281.5' - 282.5' - Mineralization - as 280.5' to 281.0'	1464 1465 1466	280 281 283	281 283 286	1 2 3	Nil Nil Nil	Tr. Nil Nil	.02 .03 .01	Nil Nil Nil	.01 Nil .01	
284	298	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'; slightly chloritized; with narrow lenses of Quartz-Feldspar-Biotite Gneiss. Gneissosity is 10° to core 286.5' - 287' - Mineralization - disseminated pyrite Gneissosity is 40° to core <10% 288.5' - 289' - Mineralization - heavy concentration of pyrite & chlorite. Gneissosity is 40° to core 289' - 290' - Gneissosity is 0-10° to core 290' - 291' - Gneissosity is 30° to core	1467 1468 1469 1470	286 288 289 294	288 289 294 299	2 1 5 5	Nil Nil Nil Nil	Nil Nil Nil Nil	.01 .01 .01 .01	Nil Nil Nil Nil	.01 .005 .01 .01	
298	301	Quartz-Feldspar-Biotite Gneiss - as 33' to 52.5' Gneissosity is 35° to core 296' - 297.5' - Mineralization - fair amount of disseminated pyrite <5% 300, - 301' - Mineralization - heavy concentration of disseminated pyrrhotite and pyrite with minor chalcopyrite <10%	1471	299	301	2	Nil	.01	.04	Nil	.005	

PROPERTY MANITOUWADGE

HOLE NO. M78-2

SHEET NO. 5 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLING SPL. NO.	SAMPLING FROM	SAMPLING TO	SAMPLING FEET	% Au	% Ag	% Cu	% Pb	% Zn
301	306.5	Quartz Vein - whitish grey color; vitreous; very hard Mineralization - heavily mineralized with pyrite thru out <10%	1472	301	306	5	Nil	Nil	.01	Nil	Nil
306.5	331	Biotite-Quartz-Feldspar Gneiss - as 16' to 33' interlayered with Pegmatite lenses Gneissosity to 40° to core 319' - 322' - Pegmatite - coarse grained; red feldspars 325' - 326' - Pegmatite - coarse grained; red feldspars	1473 1474 1475 1476 1477	306 308 313 318 323	308 313 318 323 328	2 5 5 5 5	Nil Nil Nil Nil Nil	Tr. Tr. Nil Nil Nil	.02 .01 .01 .01 .01	Nil Nil Nil Nil Nil	.01 .01 .01 .005 .01
331	349	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'; chloritized; sulphide mineralization occurs where rock is more siliceous 339' - 342' - Mineralization - heavy concentration of disseminated pyrrhotite and pyrite with minor chalcopyrite <10% 342' - 347' - Mineralization - as 339' to 342' 347' - 349' - Mineralization - disseminated pyrrhotite, pyrite and chalcopyrite	1478 1479 1480 1481 1482	328 333 336 339 342	333 336 339 342 347	5 3 3 3 5	Nil Nil Nil Nil Nil	Tr. .01 Nil .01 Tr.	.02 .04 .02 .08 .04	Nil Nil .005 .005 .005	.01 .01 .01 .02 .03
349	358	Quartz-Feldspar-Biotite Gneiss - as 33' to 52.5'									
358	374	Biotite-Quartz-Feldspar Gneiss - as 16' to 33' interlayered with Quartz-Feldspar-Biotite Gneiss lenses									
374	375	Pegmatite - coarse grained; contains quartz, red feldspars and minor biotite									
375	376.5	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'									
376.5	379	Pegmatite Mineralization - minor pyrite specks									

HOLE NO. M78-2

PROPERTY MANITOUWADGE

SHEET NO. 6 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLING SPL. NO.	SAMPLING FROM	SAMPLING TO	SAMPLING FEET
379	381	Biotite-Quartz-Feldspar Gneiss - as 16' to 33'				
381	384	Quartz-Feldspar-Biotite Gneiss - medium grained; reddish color; contains quartz, white and red feldspars and < 10% biotite				
384	390	Biotite-Quartz-Feldspar Gneiss - as 16' to 33' interlayered with Quartz-Feldspar-Biotite Gneiss 384.5' - Mineralization - fair concentration of pyrite <5% 388.5' - Mineralization - fair concentration of pyrite				
390	393	Quartz-Feldspar-Biotite Gneiss - as 381' to 384'				
393	407	Quartz-Feldspar-Biotite Gneiss - as 381' to 384' mixed with dark bands of Biotite-Quartz-Feldspar Gneiss Gneissosity is 60° to core axis				
	407	End of Hole No. M78-2				
		Logged by P. Hum October 18th, 1978				

Montemuro Gp

TELEPHONE 642-3244
P.O. BOX 10

Swastika, Ont., P0K 1T0, October 25 1978

SWASTIKA LABORATORIES LIMITED

Certificate of Analysis

Lb M78-2

No. 47546

We have assayed 20 samples of Split Core

Received October 23 1978 and submitted by British Newfoundland Expl. Ltd.

33 City Centre Dr., S.210, Mississauga, Ont. with the following results:

SAMPLES PER: N.R. Newson

SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton	COPPER %	LEAD %	ZINC %	NICKEL %
1463	Nil	Trace	0.01	None	0.01	
1464	Nil	Trace	0.02	None	0.01	
1465	Nil	Nil	0.03	None	None	
1466	Nil	Nil	0.01	None	0.01	
1467	Nil	Nil	0.01	None	0.01	
1468	Nil	Nil	0.01	None	0.005	
1469	Nil	Nil	0.01	None	0.01	
1470	Nil	Nil	0.01	None	0.01	
1471	Nil	0.01	0.04	None	0.005	
1472	Nil	Nil	0.01	None	None	
1473	Nil	Nil	0.02	None	0.01	
1474	Nil	Trace	0.01	None	0.01	
1475	Nil	Nil	0.01	None	0.01	
1476	Nil	Nil	0.01	None	0.005	
1477	Nil	Nil	0.01	None	0.01	
1478	Nil	Trace	0.02	None	0.01	
1479	Nil	0.01	0.04	None	0.01	
1480	Nil	Nil	0.02	0.005	0.01	0.01
1481	Nil	0.01	0.08	0.005	0.02	0.005
1482	Nil	Trace	0.04	0.005	0.03	0.01

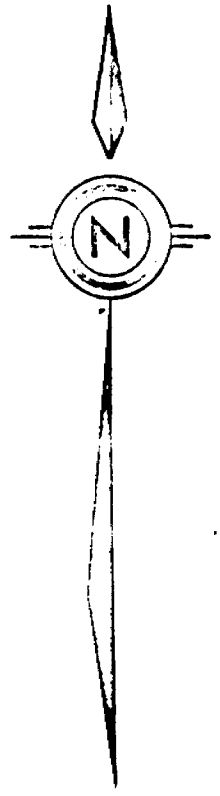
M78-2

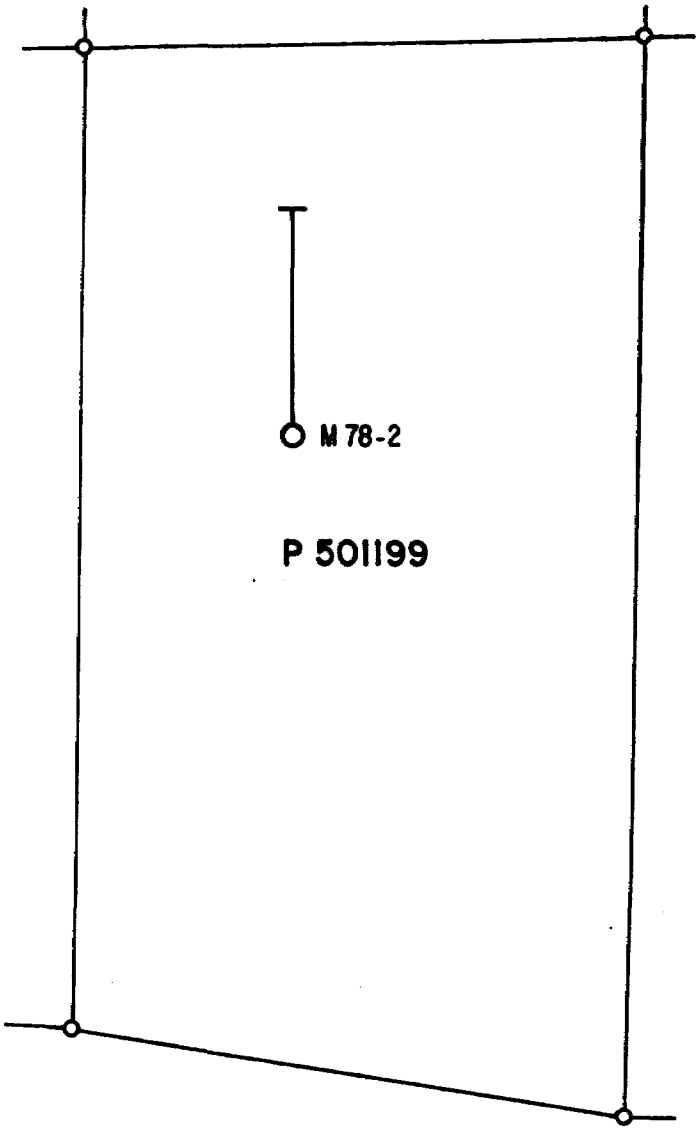
RECEIVED
OCT 31 1978

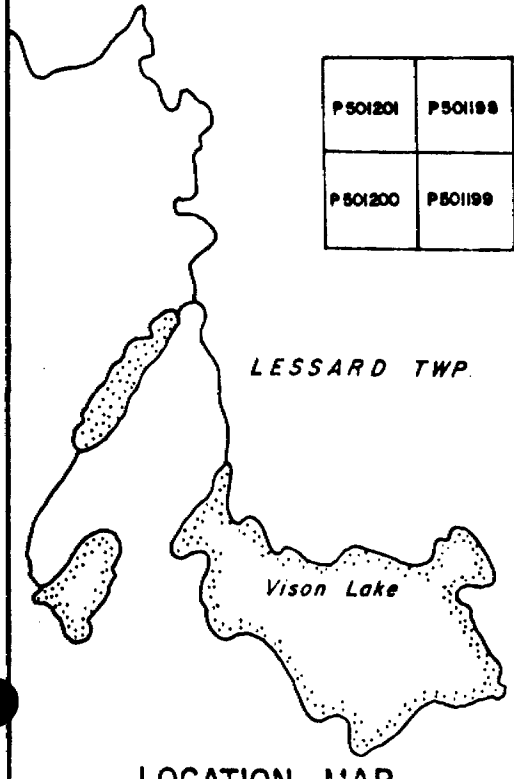
Swastika Laboratories Limited

Per: Ghislain Lebel
G. Lebel
Manager

In accordance with long-established North American custom, unless it is specifically stated otherwise gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.







LOCATION MAP

Scale: 1" = 2640'

P501201	P501198	
P501200	P501199	P515917

BRINEX LIMITED

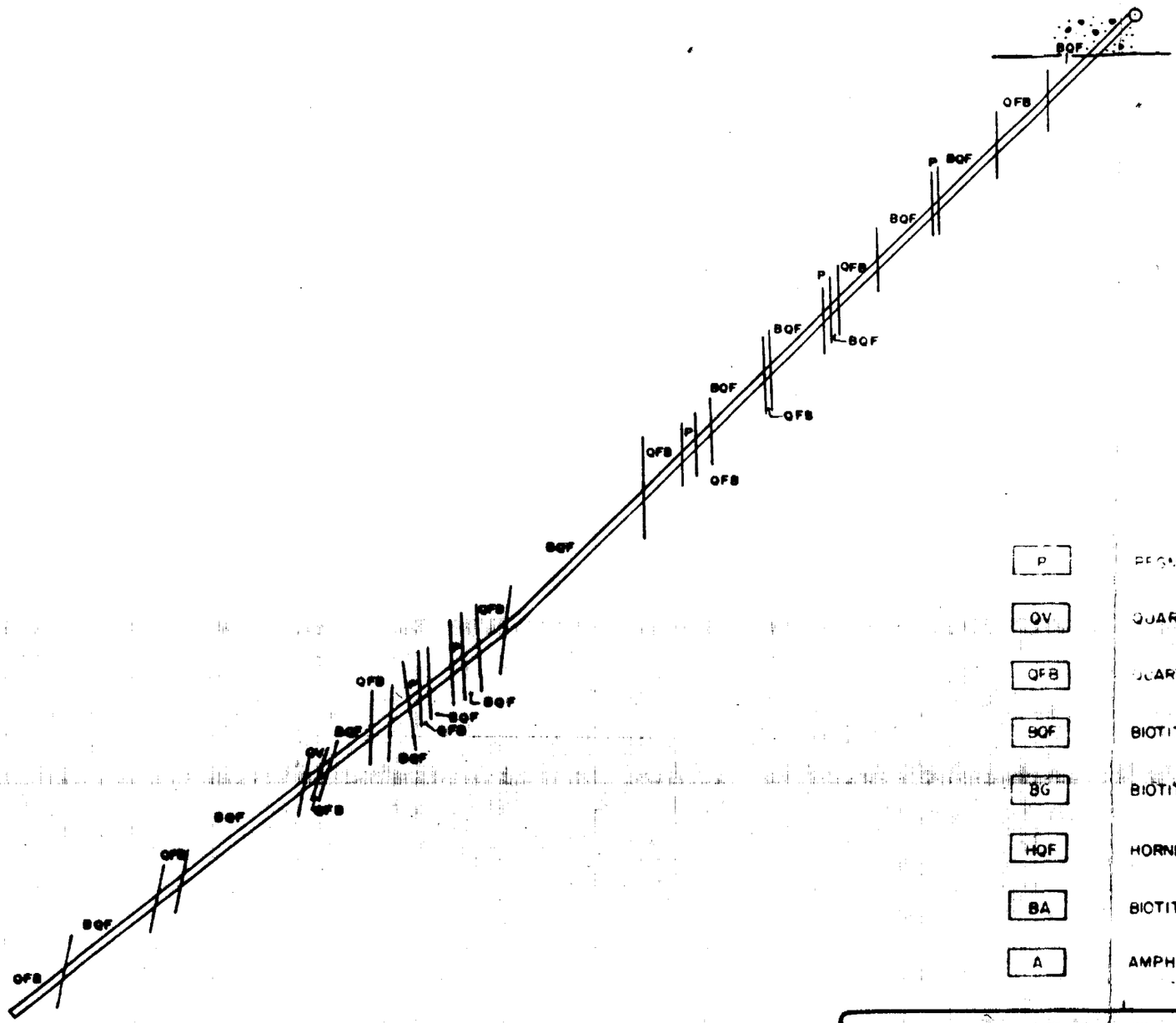
MANITOUWADGE PROJECT

D.D.H. LOCATION

DATE: OCT 1979	MAP NUMBER: H 78009-1	COMPILED BY: P.H.
	MAP REFERENCE: 42F	DRAWN BY: R.J.H.

200 100 0 200 400

M 78-2 S



P	PEGMATITE
QV	QUARTZ VEIN
QFB	QUARTZ FELDSPAR BIOTITE GNEISS
BQF	BIOTITE QUARTZ FELDSPAR GNEISS
BG	BIOTITE GNEISS
HQF	HORNBLENDE QUARTZ FELDSPAR GNEISS
BA	BIOTITE AMPHIBOLITE GNEISS
A	AMPHIBOLITE

BRINEX LIMITED

MANITOUWADGE PROJECT

GRID A.E.4 - VISON LAKE

CROSS SECTION E 22 S

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL

TECHNIC

900 LTC.

Type of Survey(s) GEOCHEMICAL

Township or Area LESSARD TOWNSHIP

Claim Holder(s) BRINEX LIMITED

20 King Street West, Toronto, Ontario M5H 1C4

Survey Company _____

Author of Report Philip HUM

Address of Author 309-505 The West Mall, Etobicoke, Ontario

Covering Dates of Survey September 21-22, 1978
(linecutting to office)

Total Miles of Line Cut _____

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	–Electromagnetic	
	–Magnetometer	
	–Radiometric	
ENTER 20 days for each additional survey using same grid.	–Other	
	Geological	
	Geochemical	20

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE Oct 23, 1979 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications Not on this file

Previous Surveys

File No.	Type	Date	Claim Holder

LD

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)	
P	501198	
P	501199	
P	501200	
P	501201	
P	516917	2/3 not covered

If space insufficient, attach list

TOTAL CLAIMS 5

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken P501198; P501199; P501200; P501201; P516917

Total Number of Samples 192

Type of Sample SOIL
(Nature of Material)

Average Sample Weight 3 oz.

Method of Collection Manual Soil Auger

Soil Horizon Sampled B-Horizon

Horizon Development Podzol

Sample Depth 0'-3'

Terrain Heavily wooded and swampy

Drainage Development Poor

Estimated Range of Overburden Thickness < 20'

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis
- 80 Mesh Nylon Screen

General

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☒
p. p. b. ☐

(Cu), (Pb), (Zn), (Ni), Co, (Ag), Mo, As,-(circle)

Others

Field Analysis (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Field Laboratory Analysis
No. (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Commercial Laboratory (_____ tests)
Name of Laboratory Technical Services Lab.
Extraction Method CGS
Analytical Method
Reagents Used Dilute $HCL-HNO_3$ Acid Mixture

General

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOCHEMICAL

Township or Area LESSARD TOWNSHIP

Claim Holder(s) BRINEX LIMITED

20 King Street West, Toronto, Ontario M5H 1C4

Survey Company _____

Author of Report Philip HUM

Address of Author 309-505 The West Mall, Etobicoke, Ontario

Covering Dates of Survey September 23-25, 1978
(linecutting to office)

Total Miles of Line Cut _____

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	
–Magnetometer	
–Radiometric	
–Other	
Geological	
Geochemical	20

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Oct. 23, 1978 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications Now - on this file

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

If space insufficient, attach list

(prefix)	(number)	
P	501202	
P	501203	
P	501204	
P	501205	
P	501206	
P	501207	
P	516918	¼ not covered
P	516919	½

TOTAL CLAIMS 8

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION
RESISTIVITY

Instrument _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken P501202; P501203; P501204; P501205; P501206; P501207; P516918; P516919.

Total Number of Samples 317

Type of Sample SOIL
(Nature of Material)

Average Sample Weight 3 oz.

Method of Collection Manual Soil Auger

Soil Horizon Sampled B-Horizon

Horizon Development Podzol

Sample Depth 0'-3'

Terrain Heavily wooded and swampy

Drainage Development Poor

Estimated Range of Overburden Thickness < 20'

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis
- 80 Mesh Nylon Screen

General

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☒
p. p. b. ☐

(Cu,) (Pb,) (Zn,) (Ni,) Co, (Ag,) Mo, As,-(circle)

Others

Field Analysis (____ tests)
Extraction Method
Analytical Method
Reagents Used

Field Laboratory Analysis
No. (____ tests)
Extraction Method
Analytical Method
Reagents Used

Commercial Laboratory (____ tests)
Name of Laboratory Technical Services Lab.
Extraction Method CGS
Analytical Method
Reagents Used Dilute $HCL-HNO_3$ Acid Mixture

General

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

R. 3094

M.1296

PLAN OF LESSARD T'WP.

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

PORCUPINE MINING DIVISION

DISTRICT OF ALGOMA.

Scale, 40 chains to an inch.

DATE OF ISSUE
NOV 15 1979
SURVEYS AND MAPPING BRANCH

NAGAGAMI T'WP

FOCH T'WP

WICKSTEED T'WP

Nagagami River

Tondern

C. N. R

Loop For.

Weir For.

Obakamiga River

LINBARR CR.

LESSARD LAKE

LISON LAKE

Forget For

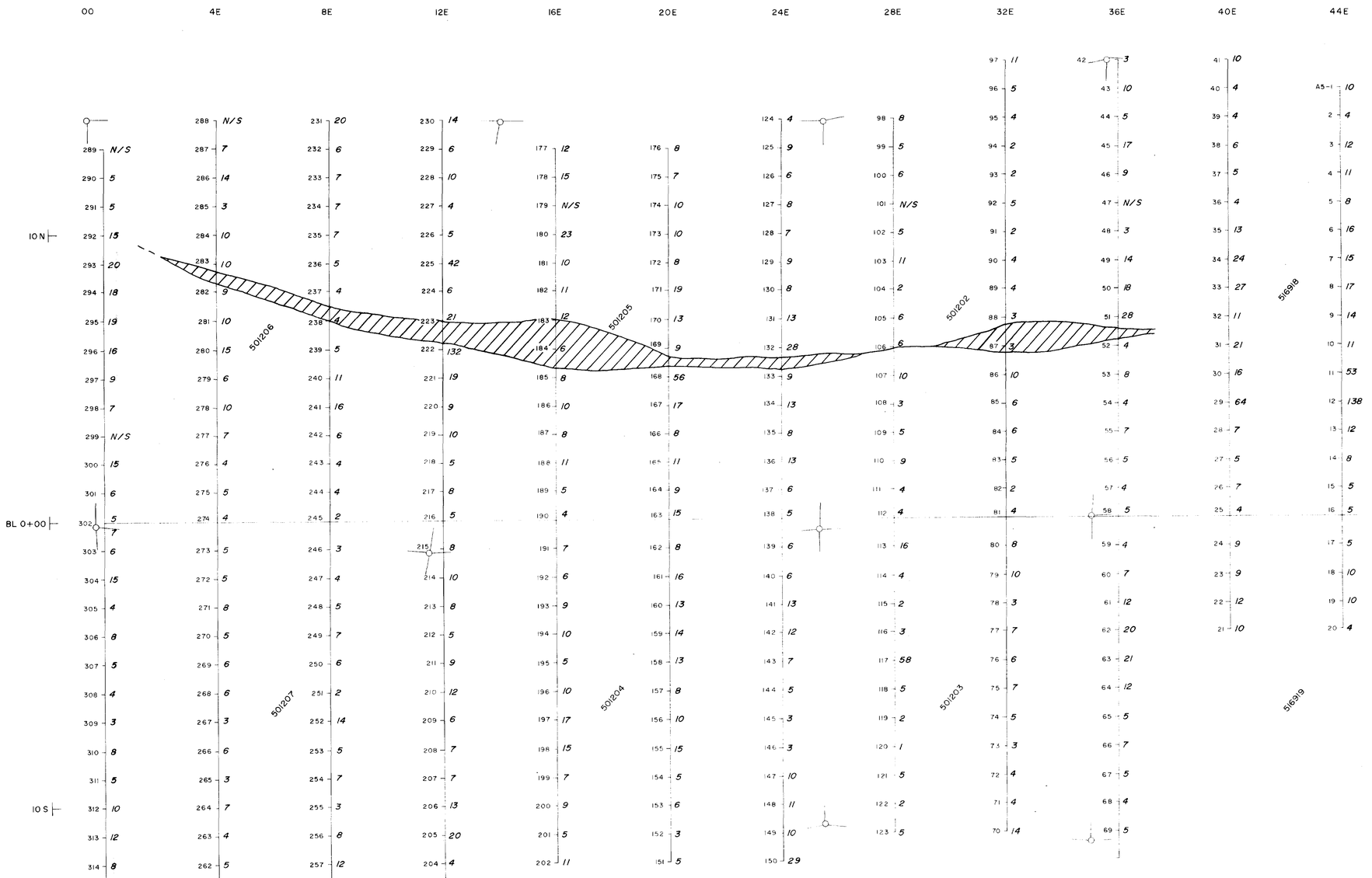
RIVER

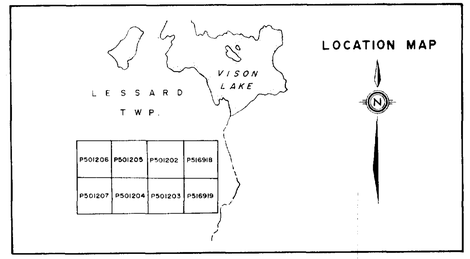
Canon For.

OBAKAMIGA

GRAVEL
F. 19231O

GRAVEL
F. 192310





LEGEND

- Sample Station (A5-59)
- 20, N/S — Copper Concentration in ppm, No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501201 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-5, VISON LAKE

SOIL GEOCHEMISTRY COPPER

DATE	MAP NUMBER	COMPILED BY
DEC 1978	C 78005-1	P.H.
	MAP REFERENCE 42F/3	DRAWN BY N.F.

SCALE 1 In.= 200 Ft.

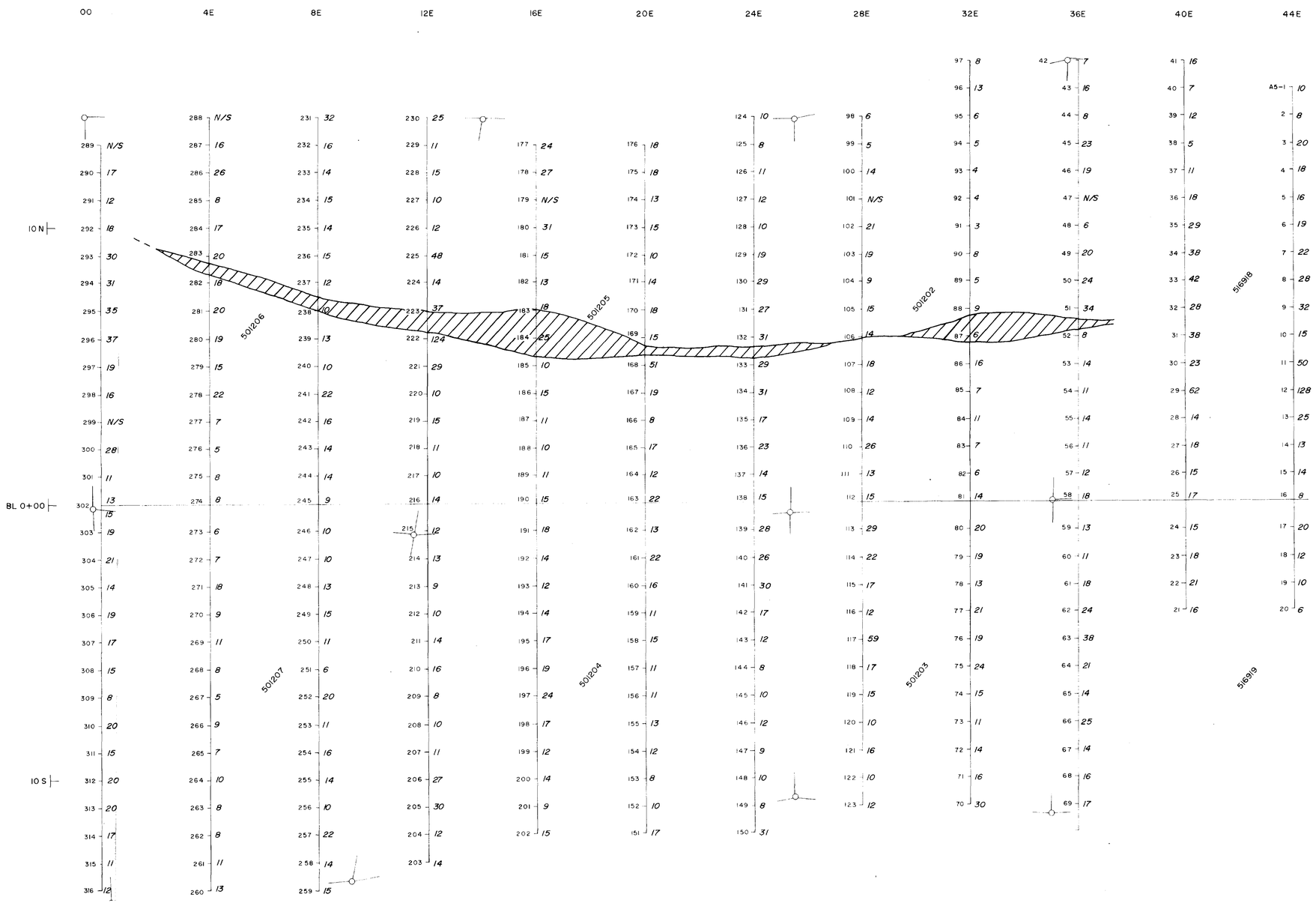
200 100 0 200 400 600 800

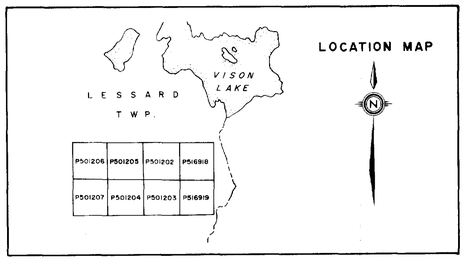
FEET

42F07SW0006 2.3094 LESSARD

210

2.3094





10N

BL 0+00

10S

LEGEND

- Sample Station (A5-59)
- 20; N/S — Lead Concentration in ppm; No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501201 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-5, VISON LAKE

SOIL GEOCHEMISTRY
LEAD

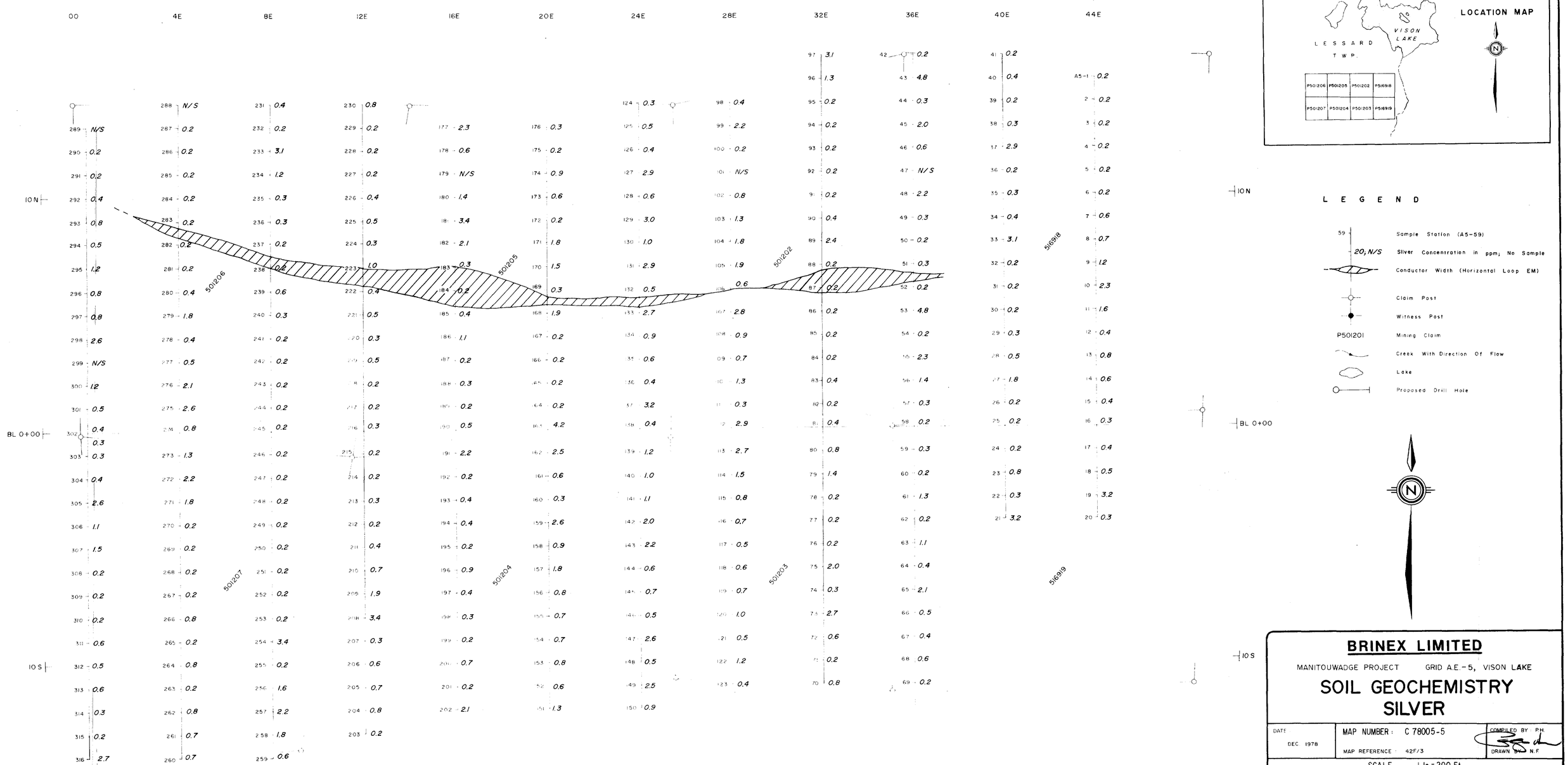
DATE: DEC. 1978	MAP NUMBER: C 78005-2	COMPILED BY: P.H.
	MAP REFERENCE: 42F/3	DRAWN BY: N.F

SCALE 1 In.= 200 Ft.

200 100 0 200 400 600 800

FEET

2.3094



LOCATION MAP

LEGEND

- 59 — Sample Station (A5-59)
- 20; N/S — Silver Concentration in ppm; No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501201 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-5, VISON LAKE

SOIL GEOCHEMISTRY SILVER

DATE	MAP NUMBER: C 78005-5	COMPILED BY: P.H.
DEC 1978	MAP REFERENCE: 42F/3	DRAWN BY: N.F

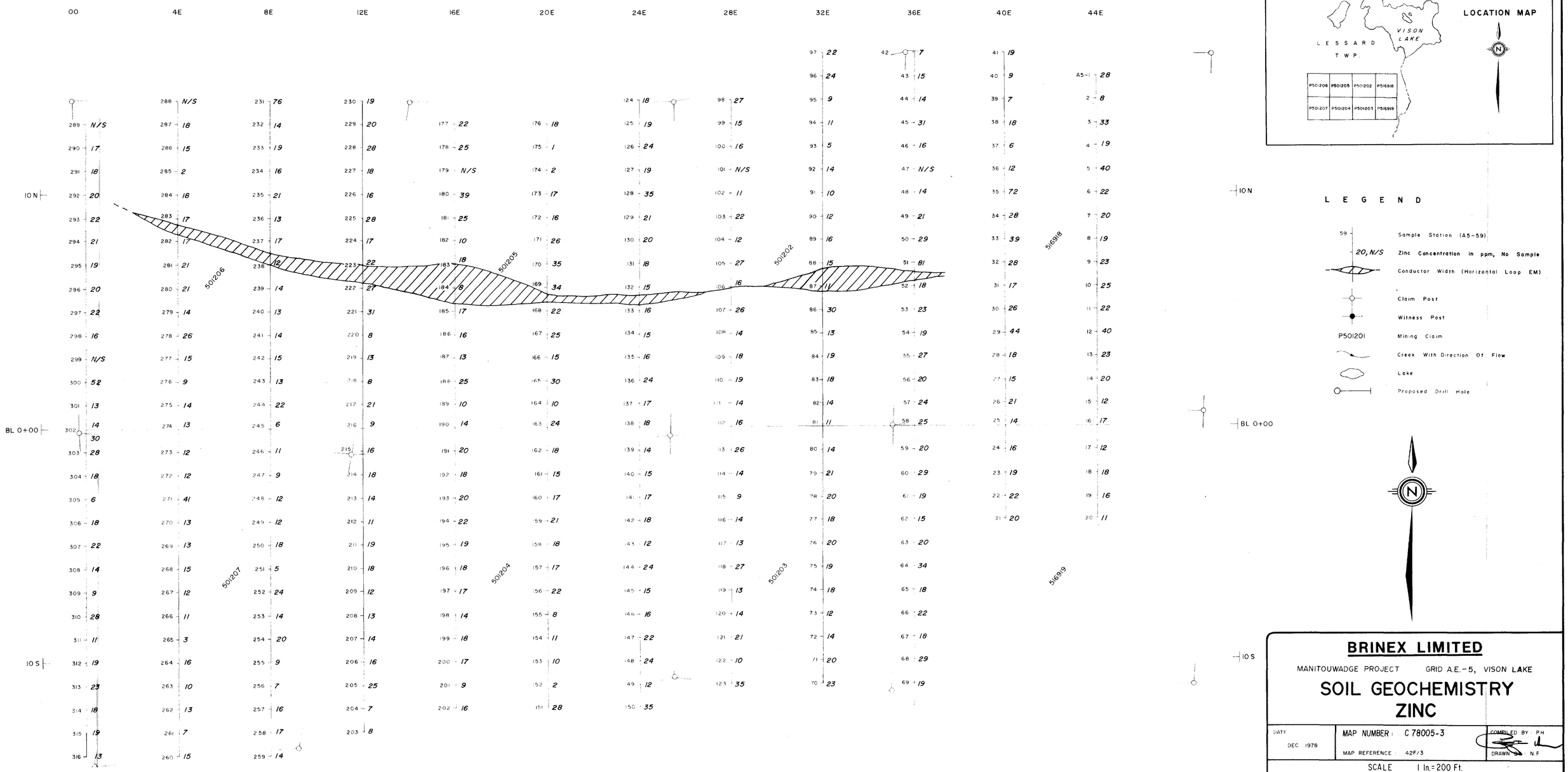
SCALE 1 In.= 200 Ft.

200 100 0 200 400 600 800

FEET

230

2.3094



LEGEND

- 59 — Sample Station (A5-59)
- 20, N/S — Zinc Concentration in ppm, No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501201 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-5, VISON LAKE

SOIL GEOCHEMISTRY
ZINC

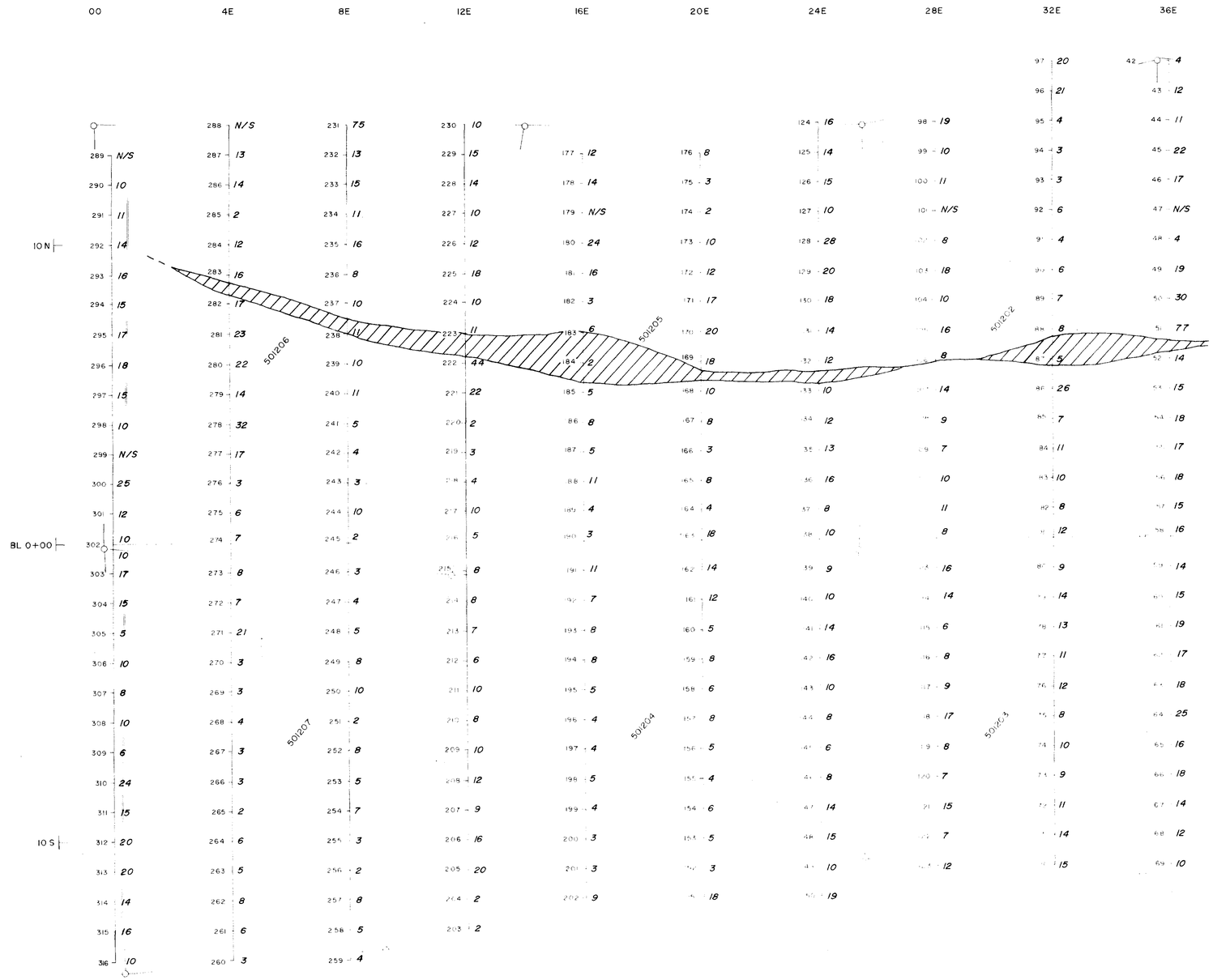
DATE	MAP NUMBER	COMPILED BY
DEC. 1978	C 78005-3	P.H.
	MAP REFERENCE 42F/3	DRAWN N.F

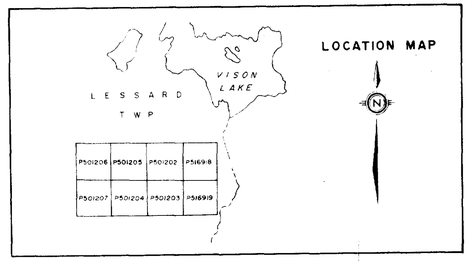
SCALE 1 In.=200 Ft.

200 100 0 200 400 600 800

FEET

2.3094





LEGEND

- Sample Station (A5-59)
- 20; N/S — Nickel Concentration in ppm; No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501201 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-5, VISON LAKE

SOIL GEOCHEMISTRY
NICKEL

DATE	MAP NUMBER	COMPILED BY
DEC 1978	C 78005-4	PH
	MAP REFERENCE 42F/3	DRAWN BY NF

SCALE 1 In.= 200 Ft.

200 100 0 200 400 600 800

FEET

2.3094

00 4E 8E 12E 16E 20E 24E

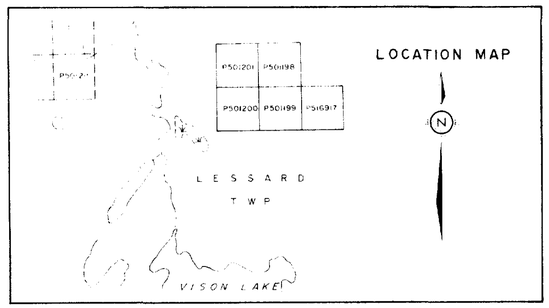
ION

BL 0+00

10 S

501201 501198 501200 501199 516917

	00	4E	8E	12E	16E	20E	24E
27	56	28 21					
26	91	29 14	81 36		136 31		
25	54	30 36	80 40	82 22	137 42	137 20	192 30
24	39	31 22	79 32	83 16	134 22	138 57	191 22
23	102	32 58	78 52	84 15	133 16	139 22	190 10
22	84	33 26	77 149	85 11	132 12	140 31	189 12
21	15	34 38	76 55	86 85	131 64	141 40	188 45
20	72	35 51	75 38	87 22	130 57	142 35	187 96
19	17	36 81	74 41	88 65	129 36	143 86	186 22
18	17	37 90	73 37	89 27	128 17	144 60	185 22
17	17	38 23	72 45	90 11	127 10	145 29	184 5
16	30	39 29	71 47	91 12	126 8	146 19	183 N/S
15	13	40 15	70 14	92 7	125 32	147 N/S	182 N/S
14	32	41 44	69 15	93 16	124 14	148 N/S	181 N/S
13	41	42 19	68 23	94 14	123 N/S	149 14	180 N/S
12	40	43 21	67 26	95 10	122 13	150 29	179 15
11	37	44 27	66 8	96 9	121 21	151 35	178 39
10	28	45 29	65 25	97 10	120 16	152 24	177 N/S
9	21	46 16	64 17	98 9	119 17	153 85	176 33
8	28	47 36	63 16	99 12	118 25	154 26	175 9
7	16	48 28	62 14	100 9	117 18	155 52	174 80
6	36	49 20	61 16	101 22	116 16	156 23	173 49
5	29	50 27	60 21	102 18	115 N/S	157 60	172 53
4	29	51 N/S	59 N/S	103 10	114 N/S	158 42	171 5
3	22	52 15	58 13	104 N/S	113 N/S	159 N/S	170 14
2	29	53 29	57 20	105 15	112 15	160 17	169 12
A4-1	29	54 38	56 19	106 16	111 16	161 10	168 13
			55 18	107 16	110 21	162 12	167 14
				108 23	109 45	163 14	166 12
						164 14	165 N/S



LOCATION MAP

N

LEGEND

- 59 — Sample Station (A4-59)
- 20;N/S — Copper Concentration in ppm; No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501207 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

N

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-4, VISON LAKE

SOIL GEOCHEMISTRY COPPER

DATE	MAP NUMBER: C 78004-1	COMPILED BY: P.H.
DEC 1978	MAP REFERENCE: 42F/2	DRAWN BY: N.F.

SCALE 1 In.= 200 Ft

200 100 0 200 400 600 800

FEET

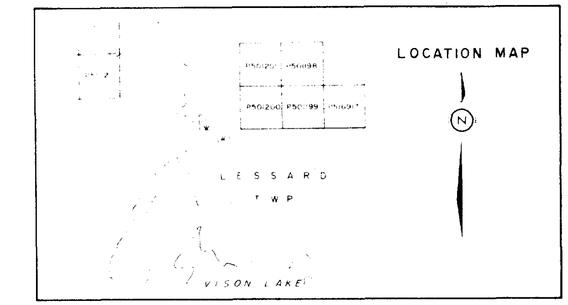
2.3094

00 | 4E | 8E | 12E | 16E | 20E | 24E

27 - 1	28 - 5					
26 - 1	29 - 8	81 - 2		96 - 1		
25 - 1	30 - 2	80 - 1	82 - 8	97 - 5	113 - 1	132 - 1
24 - 3	31 - 1	79 - 6	83 - 3	98 - 1	38 - 1	- 8
23 - 1	32 - 1	78 - 3	84 - 4	99 - 1	39 - 1	40 - 8
22 - 1	33 - 1	77 - 2	85 - 2	100 - 5	40 - 1	89 - 1
21 - 1	34 - 8	76 - 2	86 - 1	101 - 1	41 - 1	88 - 1
20 - 3	35 - 2	75 - 1	87 - 2	102 - 1	42 - 2	87 - 1
19 - 3	36 - 1	74 - 2	88 - 1	103 - 1	37 - 1	86 - 2
18 - 2	37 - 1	73 - 1	89 - 1	104 - 1	43 - 1	85 - 9
17 - 11	38 - 1	72 - 1	- 3	105 - 2	44 - 2	84 - 13
16 - 6	39 - 2	- 1	- 6	- 8	45 - 13	- N/S
15 - 2	40 - 5	- 1	- 7	- 9	47 - N/S	82 - N/S
14 - 4	41 - 1	69 - 1	93 - 1	121 - 20	48 - N/S	81 - N/S
13 - 5	42 - 1	68 - 1	94 - 16	123 - N/S	149 - 8	- N/S
12 - 6	43 - 3	67 - 1	95 - 9	124 - 6	50 - 1	79 - 20
11 - 8	44 - 1	66 - 15	96 - 18	125 - 10	151 - 7	78 - 1
10 - 20	45 - 2	65 - 15	97 - 10	120 - 20	152 - 8	177 - N/S
9 - 4	46 - 2	64 - 8	98 - 3	119 - 9	53 - 3	76 - 1
8 - 11	47 - 1	63 - 3	99 - 8	118 - 18	154 - 14	75 - 15
7 - 6	48 - 1	62 - 16	- 15	- 7	155 - 12	74 - 1
6 - 4	49 - 2	61 - 1	91 - 1	116 - 20	156 - 8	73 - 1
5 - 10	50 - 9	60 - 1	92 - 2	115 - N/S	157 - 14	72 - 1
9 - 9	51 - N/S	59 - N/S	93 - 2	114 - N/S	158 - 14	71 - 20
3 - 1	52 - 1	58 - 2	94 - N/S	113 - N/S	159 - N/S	70 - 1
2 - 2	53 - 2	57 - 12	- 6	- 15	160 - 17	- 1
A4 - 7	54 - 1	56 - 2	106 - 4	111 - 10	161 - 10	68 - 1
		55 - 1	107 - 1	110 - 2	162 - 15	167 - 9
			108 - 5	109 - 1	163 - 1	166 - 12
					164 - 1	65 - N/S

501201 501198 501200 501199

10N 10S BL 0+00 LEG 7



LEGEND

59 - Sample Station (A4-59)

20;N/S Lead Concentration in ppm; No Sample

Conductor Width (Horizontal Loop EM)

Claim Post

Witness Post

P501207 Mining Claim

Creek With Direction Of Flow

Lake

Proposed Drill Hole

N

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-4, VISON LAKE

SOIL GEOCHEMISTRY LEAD

DATE	MAP NUMBER: C 78004-2	COMPILED BY: P.H.
DEC 1978	MAP REFERENCE 42F/2	DRAWN BY: N.F.

SCALE 1 In.=200 Ft.

200 100 0 200 400 600 800

FEET

2.3094

00 4E 8E 12E 16E 20E 24E

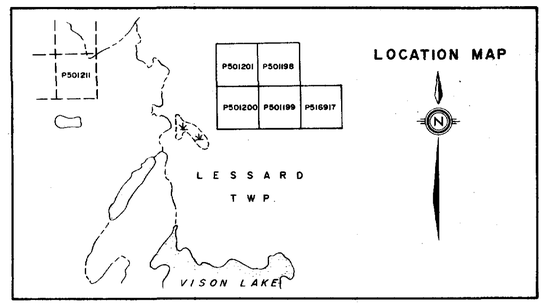
1ON

	00	4E	8E	12E	16E	20E	24E
27	74	28 17					
26	61	29 19	81 65		136 29		
25	62	30 31	80 33	82 22	135 34	137 28	192 27
24	23	31 22	79 27	83 23	134 47	138 28	191 18
23	21	32 42	78 45	84 24	133 37	139 32	190 18
22	81	33 19	77 39	85 24	132 33	140 45	189 30
21	23	34 17	76 35	86 110	131 48	141 48	188 98
20	25	35 36	75 61	87 28	130 58	142 30	187 25
19	26	36 71	74 59	88 82	129 73	143 84	186 18
18	30	37 68	73 39	89 31	128 34	144 44	185 29
17	22	38 39	72 38	90 25	127 27	145 40	184 12
16	27	39 20	71 40	91 27	126 21	146 21	183 N/S
15	22	40 20	70 23	92 22	125 31	147 N/S	182 N/S
14	32	41 47	69 24	93 25	124 21	148 N/S	181 N/S
13	27	42 28	68 30	94 21	123 N/S	149 20	180 N/S
12	22	43 26	67 27	95 28	122 24	150 28	179 16
11	23	44 35	66 18	96 17	121 18	151 28	178 46
10	25	45 29	65 32	97 22	120 32	152 22	177 N/S
9	29	46 24	64 24	98 29	119 30	153 25	176 27
8	29	47 36	63 26	99 29	118 27	154 21	175 15
7	29	48 33	62 20	100 24	117 26	155 24	174 70
6	35	49 26	61 24	101 29	116 23	156 30	173 49
5	30	50 22	60 30	102 23	115 N/S	157 22	172 78
4	31	51 N/S	59 N/S	103 22	114 N/S	158 22	171 14
3	22	52 27	58 26	104 N/S	113 N/S	159 N/S	170 22
2	35	53 35	57 25	105 23	112 24	160 20	169 24
A4-1	36	54 38	56 28	106 21	111 22	161 22	168 27
			55 25	107 23	110 29	162 19	167 23
				108 20	109 33	163 28	166 25
						164 29	165 N/S

501201 501198 501200 501199 516917

BL 0+00

10S



LOCATION MAP

LEGEND

- 59 — Sample Station (A4-59)
- 20;N/S — Zinc Concentration in ppm; No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501207 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-4, VISON LAKE

SOIL GEOCHEMISTRY
ZINC

DATE: DEC. 1978	MAP NUMBER: C 78004-3	COMPILED BY: P.H.
	MAP REFERENCE: 42F/2	DRAWN BY: N.F.

SCALE 1 In.=200 Ft.

200 100 0 200 400 600 800

FEET

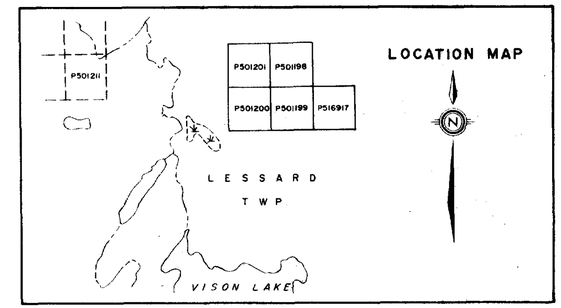
2.3094

00 | 4E | 8E | 12E | 16E | 20E | 24E

	00	4E	8E	12E	16E	20E	24E
27	93	28 10					192 44
26	200	29 13	81 97				191 21
25	120	30 34	80 64	82 31	136 40	137 64	190 8
24	30	31 28	79 23	83 28	135 19	138 38	189 24
23	68	32 114	78 97	84 21	134 76	139 35	188 137
22	191	33 30	77 200	85 28	133 24	140 53	187 49
21	24	34 31	76 70	86 168	132 30	141 66	186 30
20	39	35 23	75 90	87 40	131 29	142 45	185 26
19	27	36 98	74 75	88 109	130 94	143 125	184 9
18	26	37 127	73 59	89 37	129 10	144 67	183 N/S
17	18	38 51	72 77	90 27	128 37	145 40	182 N/S
16	31	39 24	71 61	91 22	127 18	146 28	181 N/S
15	18	40 16	70 25	92 18	126 13	147 N/S	180 N/S
14	40	41 67	69 22	93 23	125 34	148 N/S	179 20
13	27	42 22	68 31	94 21	124 18	149 20	178 85
12	29	43 24	67 30	95 21	123 N/S	150 23	177 N/S
11	26	44 25	66 15	96 21	122 19	151 31	176 29
10	25	45 12	65 30	97 19	121 21	152 42	175 8
9	22	46 22	64 22	98 17	120 20	153 44	174 151
8	27	47 23	63 24	99 15	119 26	154 23	173 73
7	18	48 23	62 18	100 18	118 30	155 28	172 113
6	24	49 21	61 23	101 32	117 22	156 62	171 8
5	31	50 26	60 29	102 23	116 25	157 27	170 18
4	30	51 N/S	59 N/S	103 14	115 N/S	158 26	169 24
3	18	52 26	58 20	104 N/S	114 N/S	159 N/S	168 24
2	17	53 38	57 25	105 24	113 N/S	160 26	167 20
A4	31	54 29	56 27	106 22	112 24	161 18	166 21
			55 22	107 15	111 21	162 21	165 N/S
				108 25	110 26	163 16	
					109 26	164 24	

501201 501200 501198 501199 516917

10N 10S BL 0+00



LEGEND

- 59 — Sample Station (A4-59)
- 20;N/S — Nickel Concentration in ppm; No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501207 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-4, VISON LAKE

SOIL GEOCHEMISTRY
NICKEL

DATE	MAP NUMBER	COMPILED BY
DEC 1978	C 78004-4	P.H.
	MAP REFERENCE 42F/2	DRAWN BY N.F.

SCALE 1 In.=200 Ft.

200 100 0 200 400 600 800

FEET

290

2.3094

00 4E 8E 12E 16E 20E 24E

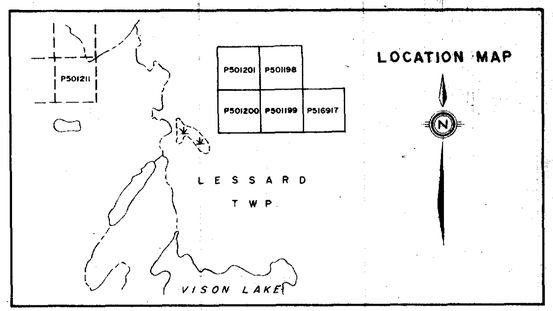
10N

BL 0+00

10S

00		4E		8E		12E		16E		20E		24E	
27	3.2	28	1.2										
26	3.0	29	1.4	81	0.8			136	0.8				
25	0.8	30	1.4	80	1.4	82	0.7	135	2.0	137	3.3	192	0.6
24	0.6	31	1.4	79	1.4	83	0.4	134	0.6	138	0.6	191	0.8
23	0.4	32	0.8	78	1.6	84	3.0	133	2.6	139	3.4	190	0.4
22	1.4	33	1.1	77	0.8	85	1.0	132	1.4	140	1.2	189	0.4
21	0.6	34	0.8	76	0.6	86	1.2	131	1.6	141	2.8	188	0.8
20	0.4	35	1.8	75	0.8	87	1.6	130	2.4	142	0.6	187	0.4
19	2.6	36	2.0	74	0.7	88	1.2	129	3.6	143	1.0	186	0.4
18	2.2	37	2.6	73	1.8	89	2.4	128	1.0	144	1.8	185	2.5
17	1.4	38	0.8	72	3.1	90	0.4	127	2.4	145	2.2	184	0.4
16	1.0	39	1.6	71	1.4	91	1.0	126	2.2	146	1.0	183	N/S
15	0.4	40	2.6	70	0.6	92	0.4	125	1.8	147	N/S	182	N/S
14	0.8	41	2.2	69	0.8	93	2.6	124	1.0	148	N/S	181	N/S
13	1.0	42	2.3	68	3.2	94	3.2	123	N/S	149	2.2	180	N/S
12	1.0	43	1.2	67	2.2	95	0.6	122	1.2	150	2.1	179	0.5
11	1.8	44	2.4	66	1.0	96	1.0	121	2.4	151	1.8	178	0.5
10	1.6	45	1.5	65	3.4	97	3.0	120	2.8	152	1.9	177	N/S
9	3.0	46	2.8	64	1.2	98	2.4	119	1.6	153	1.2	176	0.4
8	2.4	47	1.4	63	2.0	99	2.2	118	3.2	154	1.0	175	0.7
7	1.2	48	1.6	62	3.6	100	2.0	117	1.0	155	0.8	174	0.8
6	1.6	49	2.5	61	2.4	101	3.3	116	1.4	156	2.4	173	1.6
5	2.8	50	1.1	60	0.6	102	2.6	115	N/S	157	0.6	172	0.8
4	2.4	51	N/S	59	N/S	103	0.6	114	N/S	158	0.8	171	0.2
3	1.8	52	2.7	58	0.4	104	N/S	113	N/S	159	N/S	170	0.4
2	2.0	53	1.0	57	1.2	105	1.0	112	1.0	160	1.2	169	0.4
A4-1	2.4	54	1.9	56	2.0	106	1.4	111	1.6	161	0.6	168	0.6
				55	1.8	107	3.6	110	2.7	162	0.8	167	1.4
						108	1.2	109	2.6	163	2.0	166	0.8
										164	1.4	165	N/S

501201 501198 501200 501199 516917



LEGEND

- 59 — Sample Station (A4-59)
- 20;N/S — Silver Concentration in ppm; No Sample
- Conductor Width (Horizontal Loop EM)
- Claim Post
- Witness Post
- P501207 — Mining Claim
- Creek With Direction Of Flow
- Lake
- Proposed Drill Hole

BRINEX LIMITED

MANITOUWADGE PROJECT GRID A.E.-4, VISON LAKE

SOIL GEOCHEMISTRY
SILVER

DATE:	MAP NUMBER: C 78004-5	COMPILED BY: P.H.
DEC. 1978	MAP REFERENCE: 42F/2	DRAWN BY: N.F.

SCALE 1 In.= 200 Ft.

200 100 0 200 400 600 800

FEET

42F07S70086 2.3004 LESSARD

300

2.3004