REPORT of WORK

CROXALL-BRYANT-KANGAS PROPERTY

SEMPLE TOWNSHIP

PORCUPINE MINING DIVISION

ONTARIO

2.26285

RECEIVED
SEP 12 2003
GEOSCIENCE ASSESSMENT OFFICE

Submitted by: J.D. Bryant

September 2, 2003

2.26285

TABLE of CONTENTS

SEMPLE TOWNSHIP SOIL SAMPLING SURVEY

1.0 INTRODUCTION

During the months of May and July 2003 a total of 203 soil samples were collected on claim number 1191895 in Semple Township. The samples were sent to SGS Laboratories in Toronto for MMI processing. At each field station data was collected relating to soil colour and texture and tree type. Background values were determined for each element using the average of the lower quartile of all the field data and response ratios were calculated. The element suite measured by SGS is known as MMI-B and includes nickel, cobalt, palladium, gold and silver. The exploration project was funded by an Ontario Exploration Corporation Grant.

2.0 PROPERTY LOCATION and ACCESS

Claim 1191895 lies in the south-central portion of Semple Township on the north flank of the Halliday Rhyolitic Dome and is one of four contiguous claims totalling 47 units. The UTM coordinates of the central part of 1191895 are 40695mE/5310457mN. The Semple Township Claim Map number is M-1100.

Access is via a good quality gravel road which is the southern extension of Pine St. South in Timmins and which passes within less than 30 meters of the number 3 post of 1191895. The north and south claim boundaries can be accessed by either a fair sandy sideroad heading southeast from the north end of Parting Lake or from a similar road heading east from the southeast end of Parting Lake past the north end of Cork Lake. Access within the claim boundaries proper is best obtained with the use of all terrain vehicles from the above sideroads into the vicinity of the east shore of Serpentine Lake.

3.0 GEOLOGY

The property lies in a belt of highly faulted and folded felsic and intermediate volcanic rocks intercalated with conformable ultramafic bodies. A north-south oriented glacial sand plain covers 45% of the township including 1191895. The claim itself contains a heavily overburden covered ultramafic unit described historically as a crescent-shaped magnetic body in the form of an easterly plunging anticline. (See Fig.1) It has been interpreted to be crosscut by northeast striking faults i.e. one through Swamp Lake and another adjacent to the southeast edge of the fold nose. The unit has an equivalent strike length of about 2½ miles. It has been reported to contain nickel and copper mineralization and appears to reach about 1600 feet in width in the nose area.

4.0 EXPLORATION HISTORY (See Fig.2)

Dominion Gulf (MNDM File T-365, 1952) drilled 20 holes totalling 8922 ft. within the crescent largely on magnetic bullseyes apparently in search of asbestos and nickel.
Mining Corporation (T-500, 1965) located two conductive areas within the crescent. They drilled near only one along the northwest shore of Serpentine Lake consisting of a cluster of "medium intermittent" E.M. conductors there. One hole contained a 300 ft. core run ranging from 0.35-0.41% Ni.
Daniel Mining (T-508, 1967) and Canex Aerial (T-509, 1989) targeted and completed 4 holes totalling 1726 feet. Fine acicular sulphides in Canex hole 119-5 was the only metal referred to in the logs of the 4 holes. All holes were at or near the northern tip of Serpentine Lake.
Granges (T-1643, 1973) and Falconbridge (T-3362, 1989) flew regional Mag-E.M. surveys which included 1191895 and both reported weak E.M. responses in the fold nose area but no followup appears

to have been done.
A 1990 Geotem airborne multi-township E.M. survey detected strong responses over 1191895 with the strongest being adjacent to the area occupied by the southern part of Serpentine Lake.

From all historical data found overburden over the nose of the crescent ranges from 42-150 ft. vertically and averaged 83 ft.

The O.E.C Grant funding was utilized to complete MMI soil sampling over the nose area and south limb of the crescent to follow up historically interesting geophysical and diamond drilling results reported there.

5.0 THE 2003 MMI SOIL GEOCHEMICAL SURVEY

A combination of rock/(old) core analyses and soil sampling was proposed to check for signs of Ni-Cu-PGE in the Serpentine Lake area. The proportion of rock/core work relative to soil analyses would be dependent on the ability of the claim holders to locate historic core and outcrops. While some scant evidence of old drill sites was located no abandoned core was found and only two small (ultramafic) outcrops were found over the fold nose area and are located near the east shore of Swamp Lake. Consequently the funding was used for soil sampling.

5.1 SOIL SAMPLING METHODOLOGY

An old narrow north-south road adjacent to the east shore of Serpentine Lake was used as a baseline for the survey grid. Perpendicular crosslines at 100 meter intervals were established along the baseline. A hip chain and compass were used to set out sample stations at 25 meter intervals along the crosslines. These stations were marked in the field with labelled blue flagging tape and labelled blazes. Red flagging was used to mark the blazed crosslines. In all, 203 samples were taken over a chained and blazed line distance of 5000 meters.

The samples on land were taken with a hand held, manually operated, four foot long steel Eijkelkamp "Dutch Auger" with a 2 inch diameter auger head.. Samples were taken consistently 10 centimeters below green vegetation in the "A" horizon. In shallow"A" horizon soil areas a combination of "A" and upper "B" horizons were taken. The bagged samples (Nasco Whirlpak plastic bags) were shipped at intervals to the SGS lab in 5 gallon plastic pails. Lake bottom samples were taken from a boat using an open shell marl-type sampler with 35 ft. of extension rods.

5.2 SAMPLE RESULTS

A copy of all SGS lab analyses is attached (See Appendix 1).A description of soils and tree cover is attached. (See Appendix 2). An assessment work summary and expenditure breakdown are included (See Appendix 3). The MMI system is described in an attachment (See Appendix 4). All MMI results are plotted at 1:5000 scale by element.(See Appendix 5).

The developers of MMI technology suggest that a background value be determined for each element assayed over all samples taken during the project. This value is the average of the lower quartile of all assayed values in the lot per element. A Response Ratio can be calculated for each element at each station by comparing the actual measured content of that element to the background of the lot.

For this sampling survey the average background levels for **Ni/Co/Pd/Ag/Au** are about **6/1/0.1/0.5/0.1** using the recommended criteria above.

5.3 DISCUSSION

5.3.1 BEDROCK AND MINERALIZATION

Historic drilling projects on the property were largely in search of asbestos. Consequently the core logs are very scant with respect to core descriptions other than fibre counts and the only base metal assays reported were those from one hole-i.e Mining Corporation's #2 hole (Ni). Holes drilled within the buried ultramafic unit were largely categorized as simply "peridotite".

Very fine lightly disseminated sulphides have been reported over core runs of 300 ft. or more in Mining Corp.'s #MC-2 and Canex Aerial's #C-119-5. These holes are collared about 800 ft. apart and drilled toward each other suggesting a fair width of such mineralization. MC-2 assays recorded 0.35-0.41%Ni /300 ft. of core. No mention of, or assays for Au or PGE's were reported.

Very fine but heavily disseminated "dusty" magnetite has been recorded over core runs of 500-600 ft. in Dominion Gulf holes D.G. 10 and D.G. 11. Their magnetometer survey shows a very strong anomaly with its axis over D.G.10 continuing through C-119-5. Carbonatization is known to diminish or destroy magnetism in ultramafic rocks and may account for the lesser magnetic response over such heavily altered rocks in the core of D.G. 11.

The Canex hole is likely the only one of the above four holes that is not drilled down the dip of the ultramafic structure.

No assays for Au, PGE's or Ni were recorded in D.G.10, or D.G.11.

5.3.2 MMI RESULTS

A 50-75 meter wide zone over 300 meters long along the east shore of Serpentine Lake from XL1N to XL4N gave strong Ni responses in the silty-sand shoreline banks and shallow lake water silty-sand sediments (128-320 ppb Ni). Strong Ni responses also occur in similar soils over similar widths crossing the northeast shoreline of the lake from XL5N to XL6N (169-350 ppb Ni). Together the above responses suggest a 50+ meter wide zone of highly anomalous soil Ni values ranging from 20-50 times background over a strike length of about 500 meters. This zone contains all five elements measured and includes the strongest Ni, Pd, Ag and Au values and strong Co responses (20-40 times background). It contains most of the measured Pd values and 80% of the gold values (Au up to 5 times background).

A strong, more-or-less continuous, 25-50 meter wide Ni/Co/Ag/Pd response trends N-NE for over 300 meters from a point 100 meters south of XL0N on the baseline to about 150 meters east of the baseline on XL2N. This zone contains 50-80 ppb Ni (8-13times B.G.) And the strongest Co values measured (35-150 ppb) with all responses well inland from the lake shore.

Three anomalous Au responses on the NE shore of Swamp Lake (0.12 to 0.32 ppb) require followup.

6.0 INTERPRETATION

The cause of the main 500 meter long soil anomaly is currently unknown but it seems to correlate with the axis or flank of the magnetometer anomaly in the soil sample area surveyed. These coincident anomalies lie in the central to upper geometric section of the interpreted anticline and could represent a differentiated phase within the ultramafic unit.

Note: Many (but not all) of the best MMI results occur in the lake bottom samples. This result cannot be explained or discounted at this time (e.g. acid rain?, humic acid?, springs?, gravitational sorting?, or mineralization?). Discussions with M. Fedikow (MMI Consultant) indicate that not much experience exists with lake-bottom MMI sampling. If bedrock mineralization or rock geochemistry can be positively correlated with any of the shoreline MMI results the bedrock beneath much of the lake bottom could become an exploration target.

The 300 meter long soil anomaly east of the above larger anomaly may reflect metal ion migration upward along planes of weakness at the ultramafic/felsic contact and/or shearing along the fault interpreted to run from Cork Lake to the southwest to Redstone Lake to the northeast along the southeast edge of the fold nose (fault intersection with the down-plunge extension of the anticlinal ultramafic).

Anomalous soil nickel values along the west shore of Serpentine Lake can be followed up if the above anomalies are shown to be important.

The strongest Geotem E.M. conductors correlate with the main soil anomaly on the east shore of Serpentine Lake and where it appears to be merging with the N30E soil anomaly east of the southern tip of the lake (See black squares on Appendix 5 Ni drawing). The geometric top of the anticline may in fact be the geological base of the ultramafic unit. Because komatiitic bodies tend to be mineralized toward their base (the nearby Sothman nickel deposit is one example), the 300 and 500 meter long soil anomalies on both sides of the baseline are worthy of followup.

The two outcrops adjacent to XL7N about100 meters east of Swamp Lake are ultramafic komatiitic rocks containing 35.93% MgO.

7.0 RECOMMENDATION

Because the overburden is thick in the Serpentine Lake area and the MMI survey is the only modern technology known to have been applied on this property further investigation of the encouraging findings is felt to be warranted. A modern, deep penetrating ground E.M. survey along the length of the grid covering 200 meters on each side of the baseline is recommended.. A subsequent modest diamond drilling project in that area with an emphasis on Ni, Au and PGE mineralization and structure would be the most direct method of explaining the MMI anomalies.

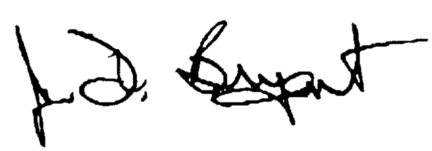
The results of the recently flown deep-penetrating Discover Abitibi Megatem survey over the Halliday Dome are expected to be released over the next month or two and will be studied with interest by the property holders.

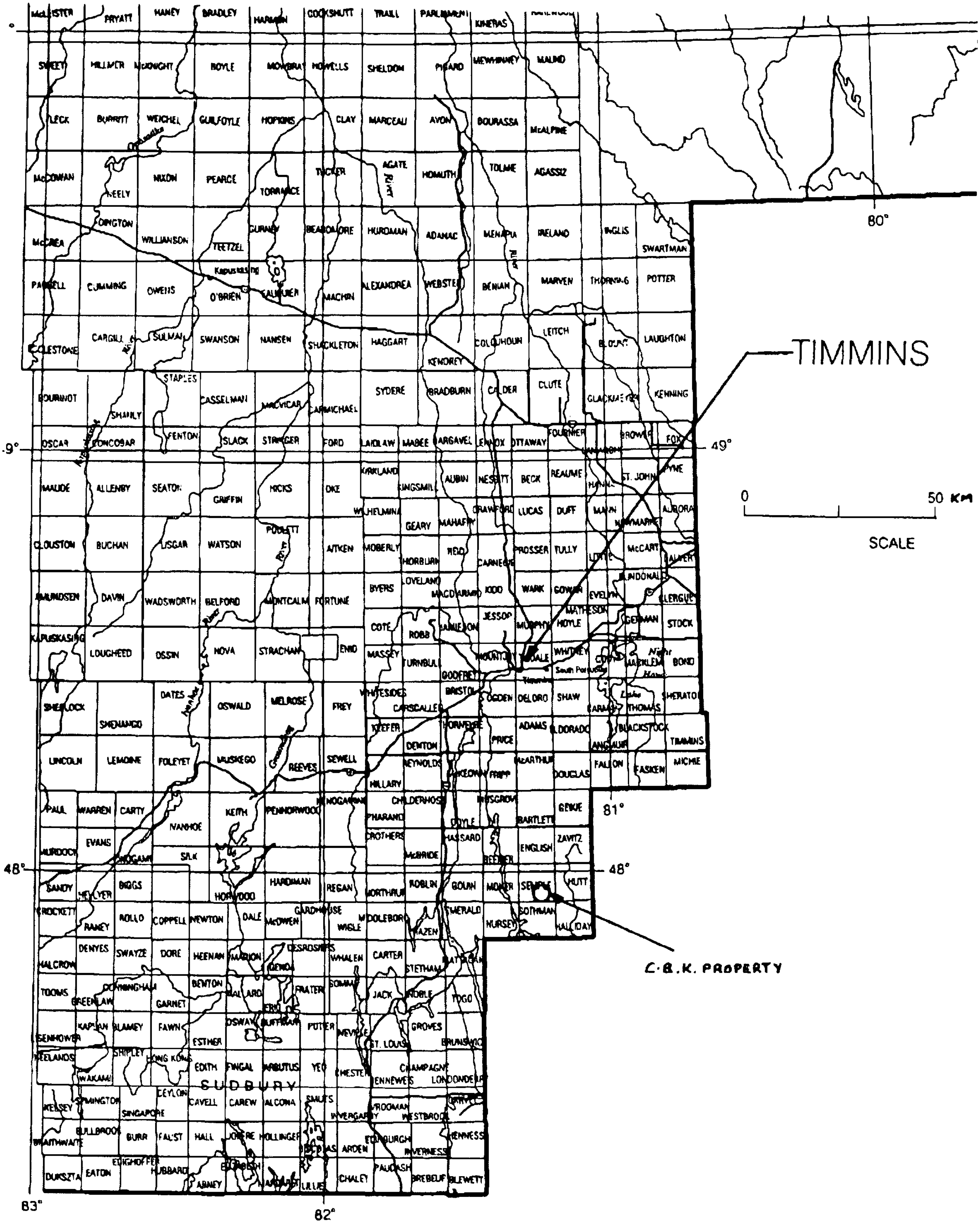
J.D. Bryant, Geologist
Sept.2, 2003

EXPERIENCE AND TRAINING

J.D. BRYANT

1970	B.Sc. Geology Michigan Technological University
1965-70	4 summers field exploration in Ontario, Minnesota and Yukon. Led to development and mining of Cowley Park (copper) open pit in the Yukon.
1970-Present	Grass roots exploration to advanced underground exploration for gold (Australia, Tanzania, Cuba, Ontario, Quebec). Led to development and mining of the Golden 40 and Nobles Nob Extension in Australia, Bachelor Lake in Quebec and the Stock Mine in Ontario. Grass roots exploration for base metals (Ontario, Newfoundland). Followed advancements in exploration techniques, geophysics (ground and airborne), surveying (underground and surface) and geochemistry. Recently had the opportunity for hands on development of optimum MMI sampling depths and procedures for Northern Ontario - a partnered effort between Cross Lake Minerals Ltd. and SGS/XRAL Laboratories. **Current Prospector's Licence M25955**




TIMMINS
80°
49°
0
50 KM
SCALE
48°
81°
C.B.K. PROPERTY
SUDBURY
83°
82°

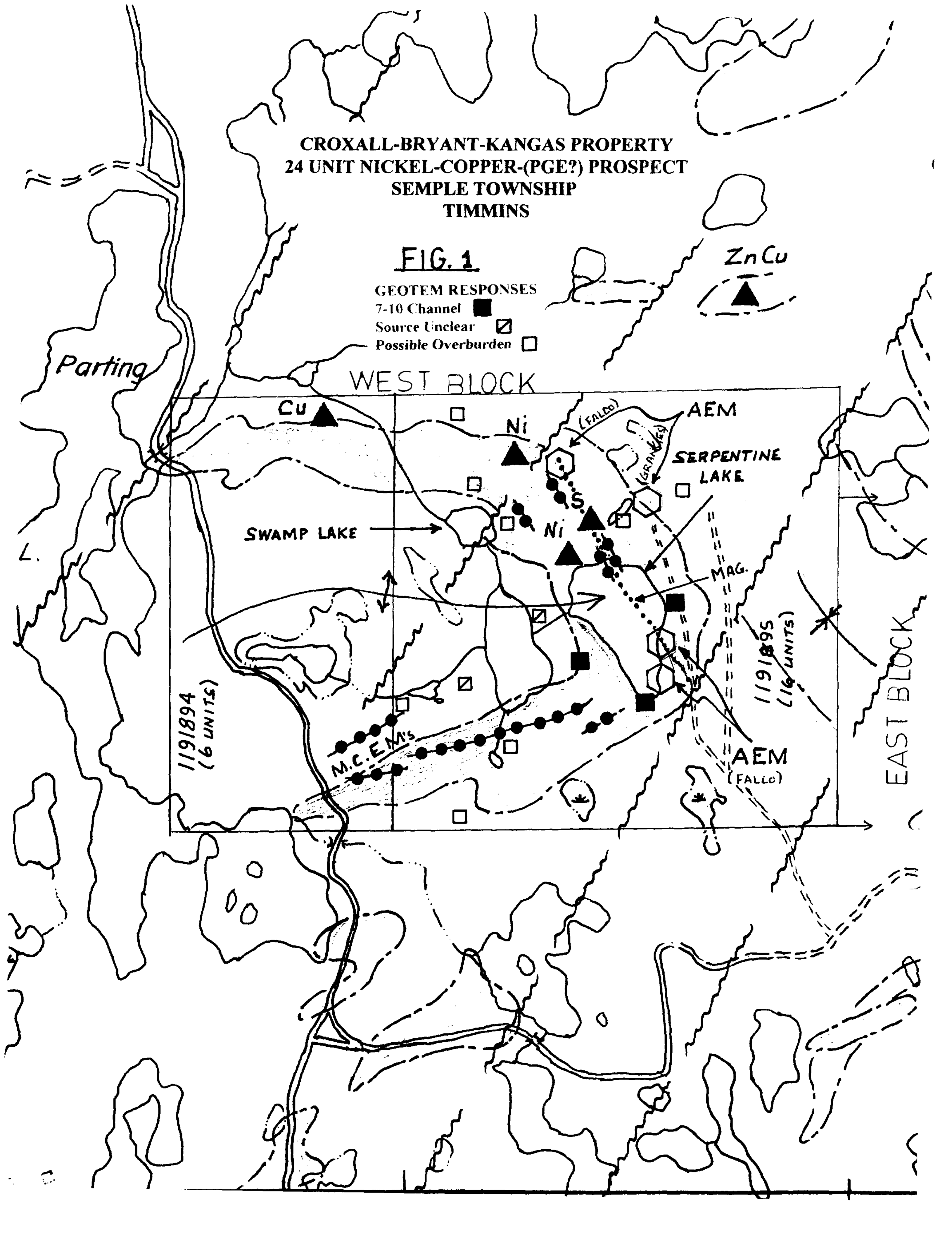

CROXALL-BRYANT-KANGAS PROPERTY
24 UNIT NICKEL-COPPER-(PGE?) PROSPECT
SEMPLE TOWNSHIP
TIMMINS
FIG. 1
GEOTEM RESPONSES
7-10 Channel
Source Unclear
Possible Overburden
ZnCu
Parting
WEST BLOCK
Cu
Ni
AEM
(FALCO)
(GRANGES)
SERPENTINE
LAKE
SWAMP LAKE
S
Ni
MAG.
1191894
(6 UNITS)
1191895
(16 UNITS)
M.C.EM's
AEM
(FALCO)
EAST BLOCK

FIGURE 2

DOMINION GULF COMPANY
GROUND MAG SURVEY
1951

All drill holes by Dominion gulf
unless otherwise specified

SULPHIDE BODY SEARCH TARGET SIZE
(Small / Large based on 7 Timmins Deposits)

600 FT.   1200 FT.

Fragmental Peridotite (BX)

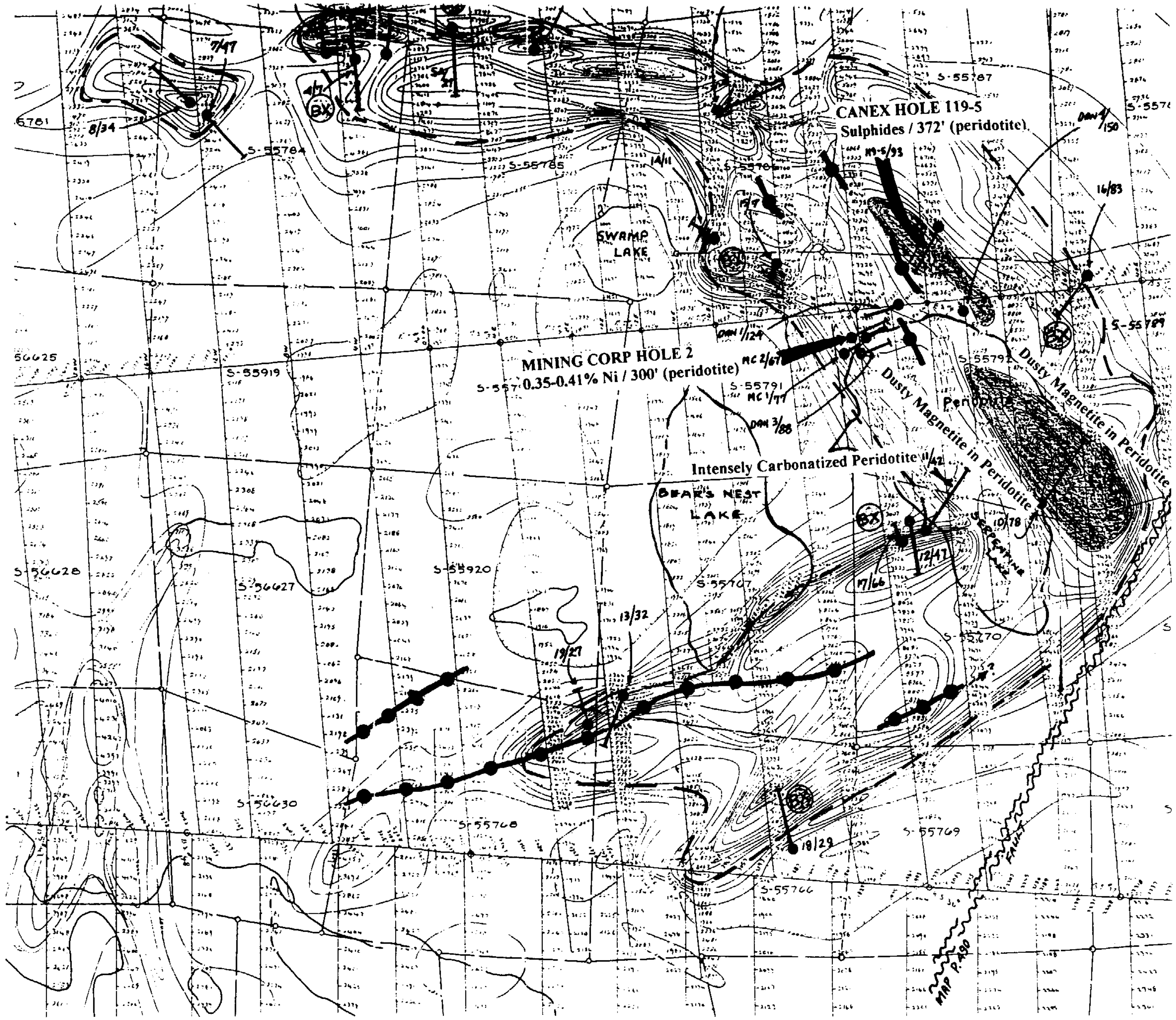
Fragmental Felsics (BX)

HOLE NO. / O.B. Depth(Vt.Ft.) 18/29

MINING CORP. E.M.'s

Silicification(?)

Carbonate Alteration



SGS

Work Order: 072867 **Date:** 19/08/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
XL 3N	<0.1	16	58	<0.1	0.55
3NA	<0.1	3	31	<0.1	0.44
3NB	<0.1	1	8	<0.1	0.12
3NC	<0.1	<1	4	<0.1	<0.1
3ND	<0.1	3	15	<0.1	0.26
3NE	<0.1	5	52	<0.1	<0.1
3NF	<0.1	1	4	<0.1	0.20
3NG	<0.1	<1	4	<0.1	0.15
3NH	<0.1	1	7	<0.1	0.13
3NI	<0.1	<1	7	<0.1	0.26
3NJ	<0.1	16	31	<0.1	0.41
3N 1E	<0.1	2	7	<0.1	0.26
3N 2E	<0.1	2	10	<0.1	0.66
3N 3E	<0.1	35	18	<0.1	2.74
3N 4E	<0.1	<1	12	<0.1	0.26
3N 5E	<0.1	2	16	<0.1	0.27
3N 6E	<0.1	6	25	0.16	0.62
XL 2N	<0.1	11	40	<0.1	1.15
2N 1W	<0.1	7	35	<0.1	0.99
2N 1E	<0.1	20	43	<0.1	1.63
2N 2E	<0.1	8	17	0.10	1.22
2N 3E	<0.1	45	35	<0.1	0.75
2N 4E	<0.1	4	22	<0.1	3.35
2N 5E	<0.1	11	26	<0.1	0.86
2N 6E	<0.1	6	68	<0.1	2.29
XL 1N	<0.1	7	26	<0.1	0.89
1N 1W	<0.1	6	63	0.12	0.13
1N 1E	<0.1	1	12	<0.1	0.35
1N 2E	<0.1	2	14	<0.1	1.18
1N 3E	<0.1	42	65	<0.1	2.30
1N 4E	<0.1	55	87	<0.1	1.24
1N 5E	<0.1	149	32	<0.1	1.14
1N 6E	<0.1	2	9	<0.1	2.19
XL 0N	<0.1	12	27	<0.1	1.01
0N 1W	<0.1	<1	4	<0.1	0.13
0N 2W	<0.1	2	11	<0.1	0.64
0N 3W	<0.1	3	12	0.13	0.37
0N 4W	<0.1	1	4	<0.1	1.29
0N 5W	<0.1	4	18	0.12	0.28
0N 6W	<0.1	2	8	<0.1	0.66
0N 7W	<0.1	1	7	<0.1	0.31
0N 8W	<0.1	4	11	<0.1	1.47
0N 9W	<0.1	<1	7	<0.1	0.38
0N 10W	<0.1	1	6	<0.1	0.83
0N 11W	<0.1	1	<3	<0.1	0.32

SGS

Work Order: 072867 **Date:** 19/08/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
0N 12W	<0.1	<1	5	<0.1	0.35
0N 16W	<0.1	<1	<3	<0.1	0.58
0N 20W	<0.1	1	11	<0.1	0.50
0N 21W	<0.1	1	7	<0.1	0.70
0N 22W	<0.1	1	7	<0.1	0.14
0N 23W	<0.1	<1	4	<0.1	0.19
0N 24W	<0.1	2	10	0.12	<0.1
0N 25W	<0.1	1	5	<0.1	0.34
0N 26W	<0.1	<1	<3	<0.1	<0.1
0N 27W	<0.1	<1	5	<0.1	0.18
0N 28W	<0.1	2	8	<0.1	0.31
0N 1E	<0.1	1	7	<0.1	0.58
0N 2E	<0.1	78	53	<0.1	0.88
XL 1S	<0.1	5	57	<0.1	3.90
XL 2S	<0.1	2	56	<0.1	2.02
1W 1N	<0.1	2	6	<0.1	0.49
1W 1W Lake	<0.1	8	83	<0.1	0.72
1W 1S	<0.1	2	18	<0.1	1.96
1W 2S	<0.1	3	14	<0.1	0.88
1W 3S	<0.1	3	16	<0.1	3.60
1W 4S	<0.1	3	14	<0.1	1.46
2W 1S	<0.1	6	24	<0.1	1.35
2W 2S	<0.1	4	16	<0.1	0.47
2W 3S	<0.1	3	26	<0.1	1.64
2W 4S	<0.1	1	6	<0.1	0.61
3W 1S	<0.1	2	9	<0.1	0.68
3W 2S	<0.1	1	28	<0.1	0.83
3W 3S	<0.1	3	26	<0.1	3.23
3W 4S	<0.1	1	12	<0.1	0.34
3W 5S	<0.1	1	7	<0.1	0.28
3W 6S	<0.1	2	11	<0.1	1.31
5W 1S	<0.1	1	8	<0.1	0.26
5W 2S	<0.1	2	4	<0.1	0.11
5W 3S	<0.1	<1	7	<0.1	0.27
7W 1S	<0.1	1	10	<0.1	0.65
7W 2S	<0.1	1	4	<0.1	0.31
7W 3S	<0.1	2	8	<0.1	0.32
7W 4S	<0.1	3	13	<0.1	0.80
7W 5S	<0.1	3	4	<0.1	0.30
7W 6S	<0.1	4	35	<0.1	0.84
*Dup XL 3N	<0.1	16	52	<0.1	0.59
*Dup 3N 2E	<0.1	2	9	<0.1	0.69
*Dup 2N 6E	<0.1	6	68	<0.1	2.18
*Dup 0N 3W	<0.1	2	11	<0.1	0.40
*Dup 0N 21W	<0.1	2	5	<0.1	0.70

SGS

Work Order: 072867 **Date:** 19/08/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup 1W 1N	<0.1	2	5	<0.1	0.69
*Dup 3W 3S	<0.1	4	25	<0.1	3.40
*Dup 7W 6S	<0.1	3	27	<0.1	0.60

SGS

Work Order: 073506 **Date:** 03/09/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
5N 1E	0.10	2	46	0.14	3.39
5N 3E	<0.1	3	33	<0.1	2.56
5N 5E	<0.1	2	14	<0.1	2.38
5N 1W	<0.1	12	17	<0.1	3.53
5N 3W	<0.1	3	21	<0.1	1.47
5N 5W	0.57	43	350	<0.1	6.97
5N 6W	<0.1	3	48	0.13	1.51
5N 7W	<0.1	2	39	0.11	1.08
5N 10W	<0.1	2	44	<0.1	1.15
5N 11W	0.12	2	47	<0.1	0.85
5N 12W	<0.1	2	37	<0.1	1.14
5N 13W	<0.1	7	61	<0.1	0.75
4N 2W	0.15	21	128	<0.1	1.20
4N 4W	<0.1	5	80	0.15	2.65
4N 12W	<0.1	2	41	<0.1	4.45
4N 13W	<0.1	2	34	<0.1	1.35
4N 15W	<0.1	2	19	<0.1	1.78
4N 16W	<0.1	2	24	<0.1	1.85
4N 17W	<0.1	2	24	<0.1	0.82
3NA 13W	<0.1	16	77	<0.1	0.82
2N 9W	<0.1	6	53	<0.1	0.94
2N 10W	<0.1	<1	19	<0.1	0.41
2N 11W	<0.1	1	6	<0.1	0.63
2N 12W	<0.1	2	8	<0.1	1.56
2N 13W	<0.1	2	12	0.10	2.80
2N 14W	<0.1	1	6	<0.1	0.46
2N 15W	<0.1	2	9	0.21	0.12
2N 16W	<0.1	<1	5	<0.1	0.13
2N 17W	<0.1	2	11	<0.1	0.32
2N 18W	<0.1	3	26	<0.1	0.53
2NA 2W	0.22	38	320	<0.1	1.65
2NA 12W	<0.1	6	123	<0.1	1.06
1N 9W	<0.1	10	81	<0.1	0.90
1NA 1W	<0.1	22	165	<0.1	1.25
1NA 9W	<0.1	2	122	<0.1	1.02
0NA 1W	0.21	35	84	<0.1	2.90
0NA 9W	<0.1	4	45	<0.1	0.52
ON 3E	<0.1	3	19	<0.1	1.31
ON 4E	<0.1	<1	7	<0.1	1.03
ON 5E	<0.1	1	25	<0.1	1.67
ON 6E	<0.1	1	21	<0.1	2.43
XL 3S	<0.1	2	27	<0.1	5.00
XL 4S	<0.1	2	37	<0.1	3.27
XL 5S	<0.1	7	75	0.13	3.20
XL 6S	<0.1	9	25	<0.1	3.45

SGS

Work Order: 073506 **Date:** 03/09/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup 5N 1E	<0.1	3	34	<0.1	3.39
*Dup 4N 2W	<0.1	20	135	<0.1	1.31
*Dup 2N 13W	<0.1	2	10	<0.1	2.70
*Dup 0NA 9W	<0.1	5	52	<0.1	0.69

SGS

Work Order: 072866 **Date:** 03/09/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
XL 7N	<0.1	2	11	<0.1	1.06
7N 01W	<0.1	3	22	<0.1	0.59
7N 02W	<0.1	5	19	<0.1	0.57
7N 03W	<0.1	2	10	<0.1	0.70
7N 04W	<0.1	2	6	<0.1	0.31
7N 05W	<0.1	1	4	<0.1	0.27
7N 06W	<0.1	1	6	<0.1	0.47
7N 07W	<0.1	2	6	<0.1	0.25
7N 08W	<0.1	5	16	<0.1	1.20
7N 09W	<0.1	5	24	0.11	2.42
7N 10W	<0.1	7	20	<0.1	1.55
7N 11W	<0.1	3	11	0.10	0.31
7N 12W	<0.1	6	13	<0.1	1.11
7N 13W	<0.1	4	14	<0.1	0.61
7N 14W	<0.1	5	25	<0.1	2.40
7N 15W	<0.1	2	8	<0.1	0.51
7N 16W	<0.1	1	28	<0.1	0.54
7N 17W	<0.1	2	15	<0.1	0.25
7N 18W	<0.1	3	9	<0.1	0.11
7N 19W	<0.1	4	10	0.12	0.75
7N 20W	<0.1	3	7	<0.1	0.52
7N 21W	<0.1	4	11	0.20	0.62
7N 22W	<0.1	3	16	<0.1	0.63
6NA	<0.1	1	5	<0.1	0.35
6NB	<0.1	1	7	<0.1	0.23
6NC	<0.1	33	110	<0.1	0.17
6ND	<0.1	7	40	<0.1	0.98
6NE	<0.1	1	14	<0.1	0.91
6NF	<0.1	2	16	<0.1	0.57
6NG	<0.1	1	6	<0.1	0.26
6NH	<0.1	2	7	<0.1	0.46
6NI	<0.1	3	17	<0.1	0.44
6NJ	<0.1	5	68	<0.1	1.78
6NK	<0.1	10	68	<0.1	1.23
6NL	<0.1	10	65	<0.1	1.56
6NM	<0.1	3	15	<0.1	0.58
6NN	<0.1	2	8	0.10	0.17
6NO	<0.1	4	169	<0.1	3.64
6NP	<0.1	3	23	0.19	0.60
6NQ	<0.1	3	16	<0.1	4.23
6NR	<0.1	3	24	0.19	0.70
6NS	<0.1	<1	15	<0.1	1.68
6NT	<0.1	1	7	<0.1	0.98
6NU	<0.1	1	12	<0.1	0.80
6NV	<0.1	3	22	<0.1	1.83

SGS

Work Order: 072866 **Date:** 03/09/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
6NW	<0.1	2	8	<0.1	0.83
6NX	<0.1	5	10	<0.1	0.83
6NY	<0.1	2	10	<0.1	1.04
6NZ	<0.1	20	27	<0.1	5.27
6NZ1	<0.1	3	18	<0.1	1.19
XL 5N	<0.1	46	74	0.13	2.21
5N 02W	<0.1	3	15	<0.1	0.56
5N 04W	<0.1	19	41	<0.1	1.18
5N 02E	<0.1	2	16	<0.1	2.26
5N 04E	<0.1	<1	15	<0.1	1.85
5N 06E	<0.1	7	24	<0.1	4.59
XL 4N	<0.1	8	39	<0.1	1.51
4N 1W	<0.1	6	22	<0.1	0.50
4N 01E	<0.1	1	8	<0.1	0.77
4N 02E	<0.1	3	17	<0.1	0.98
4N 03E	<0.1	35	34	<0.1	1.52
4N 04E	<0.1	10	14	<0.1	1.44
4N 05E	<0.1	92	21	0.10	2.57
4N 06E	<0.1	3	45	<0.1	2.23
*Dup 7N 09W	<0.1	4	20	<0.1	2.09
*Dup 7N 21W	<0.1	4	13	<0.1	0.53
*Dup 6NK	<0.1	10	76	<0.1	1.26
*Dup 6NW	<0.1	2	7	<0.1	0.73
*Dup 4N 1W	<0.1	6	21	<0.1	0.44

SGS

Work Order: 073640 **Date:** 27/08/03 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
7N 23W	<0.1	1	15	<0.1	0.48
7N 24W	<0.1	19	125	0.14	1.21
7N 25W	<0.1	5	25	<0.1	<0.1
7N 26W	<0.1	1	17	<0.1	<0.1
7N 27W	0.12	<1	8	<0.1	<0.1
7N 28W	<0.1	1	5	<0.1	<0.1
7N 29W	0.32	1	6	<0.1	<0.1
7N 30W	0.12	1	5	<0.1	<0.1
7N 31W	<0.1	<1	5	<0.1	<0.1
*Dup 7N 23W	<0.1	2	14	<0.1	0.65

APPENDIX 2

SOIL SAMPLING DATA - SERPENTINE LAKE AREA - SEMPLE TOWNSHIP

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
3N	May5/03	3A	Silty Sand	Spruce, Muskeg	Lake bottom
		3B	Dk. Bwn. Humus	"	
		3C	" " "	"	
		3D	Med. Bwn. Silt	"	
		3E	Dk. Bwn. Humus/Silt Sand	"	
		3F	Med. Bwn. Silty/Sand	"	
		3G	" " " "	"	
		3H	Light Bwn.-Grey Silty Sand	"	
		3I	Red-Bwn. Sand	"	
		3J	Grey-Tan Sand	"	
6N	May5/03	6A	Light Grey Sand	Spruce	Low ridge
		6B	" " "	Cedar	
		6C	Dk. Bwn. Humus/Grey Sand	"	67 m E. to C. post 1072952-2, 953-3, 956-4, 957-1
		6D	Dk. Bwn. Sand	"	6D + 91m to C.post 1171069-2, 068-1, 067-4, 070-1
		6E	Blk. Humus/Grey Silty Sand	"	
		6F	Light Grey-Bwn. Sand	"	
		6G	Grey Sand	"	
		6H	Grey Sand	"	upgrade , 30'N. of shore
		6I	Grey Sand	"	" , steep bank into lake 20'N. of shore
		6J	Med.Bwn.Sand	Jackpine,balsam	" " "
		6K	Bwn.Sand	" "	
		6L	Bwn.Sand	" "	Top of hill
		6M	Grey Sand	Spruce,balsam	30'E+30'S to possible old shoreline drill site
		6N	Blk humus/grey sand	Spruce, cedar	25'N. of shore
		6O	Red-Bwn. Silty sand	Balsam,cedar	Flat
		6P	Grey-Bwn. Sand	Balsam,spruce	

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
6N	May 5/03	6Q	Bwn. Silty Sand	Birch, balsam	
		6R	Grey sand	Birch,poplar,spruce	100'N. to rising knoll
		6S	Grey sand	Spruce, birch	
		6T	Grey silty sand	Spruce, birch	75'N. to rising knoll
		6U	Grey-red silty sand	Balsam, birch	
		6V	Grey sand	Poplar,balsam	35'E. of N.S. road
		6W	Grey silty sand	Balsam, birch	
		6X	Red-Bwn silty loam	Balsam,spruce,poplar	
		6Y	Grey silty sand	Birch,balsam	
		6Z	Bwn-grey sand	Birch,balsam	
		$6Z_1$	Grey sand	Mixed Bush	
NS Baseline		5N	Bwn silty sand		
		L4N	“ ” “		
		L3N	“ ” “		
		L2N	“ ” “		
		L1N	“ ” “		
1N	May 6/03	1W	Blk humus-grey silty sand	Jackpine, cedar	Lake shore
		1E	Grey sand -blk-humus	Balsam,cedar	
		2E	Grey silty sand	Poplar,cedar,birch	
		3E	“ ” “	” , “ ,balsam	
		4E	Bwn.silty sand-Blk. humus	Balsam, birch, spruce	
		5E	Grey silty sand	Birch, balsam, cedar	
		6E	Grey-bwn. silty sand	Spruce, birch	
2N		1W	Bwn.humus-silty sand		Lake shore
		1E	Grey-Bwn silty sand	Cedar,balsam	
		2E	Blk.humus, grey silty sand	“ , “	
		3E	Grey silty sand	Balsam, birch	
		4E	“ ” “	Poplar, balsam	
		5E	“ ” “	Birch,poplar,balsam	
		6E	Bwn.silty sand	Birc	
3N		1E	Blk humus, grey silty sand	Cedar	
		2E	Grey silty sand	Birch, balsam, cedar	
		3E	“ ” “	Balsam, birch	
		4E	“ ” “	Balsam, spruce	
		5E	“ ” “	Birch, balsam	Upgrade
		6E	“ ” “	Mixed	Downgrade
4N		1W	Grey-bwn silty sand	Cedar	Lakeshore
		1E	Grey silty sand	Cedar, balsam	
		2E	“ ” “	Balsam, cedar, birch	
		3E	Blk humus,grey silty sand	Mixed	

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
4N	May 6/03	4E	Grey-bwn silty sand	Balsam, birch, poplar	
		5E	“ ” “ ”	Spruce, balsam, birch	
		6E	“ ” “ ”	Birch	
5N		1W	Grey-bwn silty and	Balsam, cedar	
		2W	Blk humus, grey silty sand	Birch, cedar	
		3W	Grey silty sand	Cedar	
		4W	“ ” “		Lake bottom
		1E	“ ” “	Balsam, birch	
		2E	Grey/bwn silty sand	Birch, balsam	
		3E	“ ” “ ”	Birch, balsam	
		4E	“ ” “ ”	“ , “	
		5E	“ ” “ ”	“ , “	
		6E	“ ” “ ”	Birch, poplar	
L0		1E	Blk humus, grey silty sand		
		2E	Grey-bwn silty sand	Birch, balsam	
		3E	Grey silty sand	Mixed	
		4E	“ ” “	Spruce, poplar, birch	
		5E	Grey-bwn silty sand	Birch, spruce	
		6E	Grey silty sand	“ , “	
N S Baseline		1S	Bwn silty sand	Mixed & jackpine	
		2S	“ ” “	” & “	
		3S	“ ” “	” & “	
		4S	“ ” “	” & “	
		5S	“ ” “	” & “	
		6S	“ ” “	” & “	

May 9/03 Clearing deadfall & marking NW road toward Bears Nest Lake (600 m. ATV sample transportation exit route)

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
L0	May 22/03	1W	Grey silty sand	Mixed	
		2W	“ ” “	Balsam, birch, spruce	
		3W	“ ” “	” “ ”	
		4W	Grey-bwn silty sand	Balsam, cedar	
L1W	May 22/03	1N	Dk. Bwn humus		C.P.MR37847-1@ 65' N of L0
		1+10mN	Sand		Lake bottom sand
		1S	Grey silty sand	Mixed bush	
		2S	“ ” “	” “	
		3S	“ ” “	” “	

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
1W	May 22/03	4S	Grey silty sand	Mixed bush	
L0		5W	Grey silty sand	Spruce, balsam, cedar	
		6W	" " "	Balsam, birch, cedar	Apr. 80' N to Lake
		7W	" " "	" " "	
L2W		1S	Grey-bwn silty sand	Mixed	
		2S	" " " "	"	
		3S	Bwn silty sand	Spruce, balsam	
		4S	Grey silty sand	Birch, spruce	
L0		9W	Grey silty sand	Balsam, spruce	
		10W	" " "	Birch, spruce, balsam	
		11W	" " "	" " "	
		12W	" " "	Balsam, spruce	
L3W		1S	Grey-bwn silty sand	Baslam, birch	
		2S	Grey silty sand	Balsam, spruce	
		3S	Bwn-grey silt sand	Mixed	
		4S	Grey silty sand	Birch, balsam	
		5S	Grey-bwn silty sand	Birch, spruce	
		6S	Grey sand	Birch, balsam, spruce	
L0		13W	Grey-bwn silty sand	Spruce, white pine	Downgrade to N.
		14W	" " " "	" " "	
		15W	Grey silty sand	Spruce	" " "
		16W	" " " Blk humus	"	
		17W	" " "	Spruce, balsam	
		18'W	" " "	" "	
		19W	" " "	Mixed	
		20W	" " "	"	
L5W		1S	Grey silty sand	Spruce	Top of ridge
		2S	" " "	Jackpine	Downgrade
		3S	" " "	Spruce, birch	Ridge
L0		21W	Grey-bwn silty sand	Spruce, birch	
		22W	" " " "	" "	
		23W	" " " "	" "	
		24W	Grey silty sand,bwn humus	Spruce, cedar	75'NW to lake
		25W	Bwn. humus	Cedar,tamarack,muskeg	Creek to S. end of lake

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
L0	May 22/03	26W	Bwn humus	Spruce,tamarack,muskeg	25' N to lake
		27W	" "	" " "	80' N to lake
		28W	Blk humus-grey silty sand	Spruce	low N-S ridge
L7W		1S	Grey silty sand	Balsam, birch	
		2S	" " "	Spruce, balsam	
		3S	" " "	" birch	
		4S	" " "	Spruce, balsam, cedar	
		5S	Bwn humus& grey silty sand	Spruce, white pine	
		6S	" " " " "		W. Central pond shore
L7N	May 27/03	17W	Blk humus	Spruce, balsam, birch	
		18W	" " + bwn sand	Spruce	
		19W	" " + grey sand	Cedar, balsam, spruce	
		20W	Grey silty sand	Spruce, balsam	
		21W	" " "	" "	

LAKE BOTTOM SAMPLING: July 13/03

Lake bottom sampling from boat (attempt to stay on crossline extensions)

LINE	DATE	STATION	SOIL	QUANTITY	COMMENTS
(A)5N	July 13/03				
		5W	Grey-green sand(?),dense	Good Q'ty	lake bottom,15'depth
		6W	Green-bwn,sand(?),very fluid	Small Q'ty	" " 21'depth
		7W	" " " " "	"	" " 24'depth
		10W	Grn-bwn,sand(?),quite fluid	Mod.Q'ty	lake bottom 24' depth
		11W	" " " "	Small Q'ty	" " 24' depth
		12W	" " " very fluid	" "	" " 24' depth
		13W	Dk.grn-bwn sand, fairly dense	Good Q'ty	" " 9' depth
(B)L4N	July 13/03				
		2W	Grey-green, sand(?),dense	Good Q'ty	lake bottom 9' depth
		4W	Green-bwn, " , very fluid	Small Q'ty	" " 30' depth
		12W	Green-bwn, sand(?),very fluid	Mod.Q'ty	" " 27' "
		13W	Dk-green-bwn, fairly dense	Good Q'ty	" " Shallow
		15W	"	"	" " "
		4N16W	Silty sand		" " NW side of lake
		4N17W	"		" " "

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS

(C) Lake Bottom Sampling from Boat (around lake in shallow offshore water)

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
	July 13/03	2NA 13W	Grey-grn-blk, quite dense, Good Q'ty	Lake bottom	NW side
		2NA 12W	Dk grn-brn, quite dense, Good Q'ty	“ ”	“
		2N9W	Grey silty sand	“ ”	W side
		1NA9W	Dk. bwn-blk “, fairly dense,Good Q”ty	“ ”	SW side
		1N9W	Grey “ ”, quite dense, “	” “	”
		0NA9W	Beige-blk. “,fair density, “	” “	”
		0NA1W	Grey silty clay, “ , “	” “	SE side
		1NA1W	Grey-bwn silty sand, “ , “	” “	E side
		2NA2W	Grey silt	“ ”	“

(D) Regular Soil Sampling

LINE	DATE	STATION	SOIL	VEGETATION	COMMENTS
L2N		10W	Grey silty sand	Spruce, jackpine	East-West sand hill
		11W	“ ” “	” “	”
		12W	“ ” “	” “	”
		13W	“ ” “	Spruce	
		14W	Grey-bwn silty sand	“	
		15W	Blk humus-bwn silty sand	Spruce,muskeg	
		16W	Bwn silty sand	“ ”	
		17W	“ ” “	” “	old CP @ 17+19m R3784-3
		18W	“ ” “	Spruce,tamarack,muskeg	
L7N	July 18/03	23W	Grey silty sand	Mixed	
		24W	Grey-bwn “	Alders,spruce,jackpine	Possible SW road
		25W	Blk. humus, bwn silty sand	Spruce, alders	
		26W	Bwn.humus	Spruce, muskeg	5M E. Of Swamp Lake
		27W	“	” , “	Start NW around shore
		28W	“	Tamarack, muskeg	
		29W	“	” , “	
		30W	“	” , “	
		31W	“	Spruce, tamarack, muskeg	

APPENDIX 3

ASSESSMENT WORK SUMMARY
SERPENTINE LAKE MMI SURVEY

Date	No. Samples	Hours Spent	Manhours	Crew
May 5/03	42	12	24	D. Bryant, J.Croxall
May6/03	49	12	24	D. Bryant, J.Croxall
May 9/03	0	8	8	J. Croxall
May 22/03	48	12	24	D. Bryant, J. Croxall
May 26/03	17	8	8	D. Bryant
May 27/03	6	4	8	D. Bryant, J. Croxall
July 13/03	32	12	24	D. Bryant, J.Croxall
July 18/03	9	6	12	D. Bryant, J. Croxall

TOTAL MANHOURS = 132

EXPENDITURE SUMMARY

FIELD LABOUR:			
Total Manhours	= 132		
Equiv.8 hr Mandays	= 132 ÷8 = 16.5		
Labour Cost Claim	=16.5 X $150/manday = $2,475.00		$2,475.00
FIELD TRAVEL:			
a) Truck - 8 return trips @ 75km X 2 @ 40¢/km		= $480.00	
b) ATV - 8 days @ "going rental rate" of $100/day		= $800.00	
		$1280.00	$1,280.00
LAB. CHARGES:			
Total of invoices			$4,887.04
MISC. EXPENSES:			$157.45
Total of receipts			
SAMPLE HANDLING LABOUR:			
Sample Preparation - 4 mandays X $150/manday = $600.00			$600.00
REPORT PREPARATION LABOUR:			
5 mandays at $150/manday = $750.00			$750.00

TOTAL EXPENSES = $10,149.49

ASSESSMENT CREDIT CLAIMED = $10,149.49/$400 = 25.37 UNITS

SGS

Invoice/Facture No.: 081:00048885

INVOICE

Invoice To/Facture A:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Submitted By/Soumettez Par:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Work Order: 073506
Invoice Date: 29/07/03
Date Submitted: 17/07/03
Shipped Via: ONTARIO NORTHLAND

Customer No.: 383689
Your P.O. No.:
Your Project No.: BRYANT BLOCK
Waybill No. : 733131953

Qnty	Code	Description	# Ele	Unit Cost	Amt/Montant
45	MMI-B	Gold Exploration Suite		$22.00	$990.00

		Total			$990.00
	GST	7% GST Reg No. R105082572			$69.30

TOTAL IN CANADIAN FUNDS / TOTAL EN DOLLARS CANADIEN $1059.30

Subject to SGS General Terms and Conditions

Please remit to / S.V.P. envoyer votre paiement à:
P.O. Box 9581
Station 'A'
Toronto, ON
Canada
M5W 2K3

Please courier to / S.V.P. envoyer par courier à:
1885 Leslie Street
Don Mills, ON
Canada M3B 2M3
Tel: (416) 445-5755
Fax: (416) 445-4152

Please Quote Invoice Number / S.V.P. Spécifier le numéro de facture 081:00048885

Note/N.B.: 1.5% per month interest on Overdue Accounts / Intérêt de sur Comptes Arriéres de 1.5% Par Mois: Terms Net 30 days

ORIGINAL INVOICE

SGS

Invoice/Facture No.: 081:00048882

INVOICE

Invoice To/Facture A:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Submitted By/Soumettez Par:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Work Order: 072867
Invoice Date: 29/07/03
Date Submitted: 02/06/03
Shipped Via: Ontario North

Customer No.: 383689
Your P.O. No.:
Your Project No.: BRYANT BLOCK
Waybill No. : 733131290

Qnty	Code	Description	# Ele	Unit Cost	Amt/Montant
85	MMI-B	Gold Exploration Suite		$22.00	$1870.00
1	AD27	Shipping		$58.96	$58.96
1	AD25	Fax Charge		$10.00	$10.00

		Total			$1938.96
	GST	7% GST Reg No. R105082572			$135.73

TOTAL IN CANADIAN FUNDS / TOTAL EN DOLLARS CANADIEN $2074.69

Subject to SGS General Terms and Conditions

Please remit to / S.V.P. envoyer votre paiement à:
P.O. Box 9581
Station 'A'
Toronto, ON
Canada
M5W 2K3

Please courier to / S.V.P. envoyer par courier à:
1885 Leslie Street
Don Mills, ON
Canada M3B 2M3
Tel: (416) 445-5755
Fax: (416) 445-4152

Please Quote Invoice Number / S.V.P. Spécifier le numéro de facture 081:00048882

Note/N.B.: 1.5% per month interest on Overdue Accounts / Intérêt de sur Comptes Arriéres de 1.5% Par Mois: Terms Net 30 days

ORIGINAL INVOICE

SGS

Invoice/Facture No.: 081:00048906

INVOICE

Invoice To/Facture A:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Submitted By/Soumettez Par:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Work Order: 072866
Invoice Date: 29/07/03
Date Submitted: 02/06/03
Shipped Via: ONTARIO NORTH

Customer No.: 383689
Your P.O. No.:
Your Project No.: BRYANT BLOCK
Waybill No. : 733 131 290

Qnty	Code	Description	# Ele	Unit Cost	Amt/Montant
64	MMI-B	Gold Exploration Suite		$22.00	$1408.00
1	AD25	Fax Charge		$10.00	$10.00

		Total			$1418.00
	GST	7% GST Reg No. R105082572			$99.26

TOTAL IN CANADIAN FUNDS / TOTAL EN DOLLARS CANADIEN $1517.26

Subject to SGS General Terms and Conditions

Please remit to / S.V.P. envoyer votre paiement à:
P.O. Box 9581
Station 'A'
Toronto, ON
Canada
M5W 2K3

Please courier to / S.V.P. envoyer par courier à:
1885 Leslie Street
Don Mills, ON
Canada M3B 2M3
Tel: (416) 445-5755
Fax: (416) 445-4152

Please Quote Invoice Number / S.V.P. Spécifier le numéro de facture 081:00048906

Note/N.B.: 1.5% per month interest on Overdue Accounts / Intérêt de sur Comptes Arriéres de 1.5% Par Mois: Terms Net 30 days

ORIGINAL INVOICE

SGS

Invoice/Facture No.: 081:00049305

INVOICE

Invoice To/Facture A:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Submitted By/Soumettez Par:
Doug Bryant
Attn: Doug Bryant

147 Brock Avenue
TIMMINS
ON/CA/P4N 7N9

Work Order:	073640
Invoice Date:	27/08/03
Date Submitted:	28/07/03
Shipped Via:	Ontario Northland

Customer No.:	383689
Your P.O. No.:	
Your Project No.:	BRYANT BLOCK
Waybill No. :	733 132 101

Qnty	Code	Description	# Ele	Unit Cost	Amt/Montant
9	MMI-B	Gold Exploration Suite		$22.00	$198.00
1	AD27	Shipping for wo#73639 to 73640		$22.36	$22.36

		Total			$220.36
	GST	7% GST Reg No. R105082572			$15.43

TOTAL IN CANADIAN FUNDS / TOTAL EN DOLLARS CANADIEN $235.79

Subject to SGS General Terms and Conditions

Please remit to / S.V.P. envoyer votre paiement à:
P.O. Box 9581
Station 'A'
Toronto, ON
Canada
M5W 2K3

Please courier to / S.V.P. envoyer par courier à:
1885 Leslie Street
Don Mills, ON
Canada M3B 2M3
Tel: (416) 445-5755
Fax: (416) 445-4152

Please Quote Invoice Number / S.V.P. Spécifier le numéro de facture 081:00049305

Note/N.B.: 1.5% per month interest on Overdue Accounts / Intérêt de sur Comptes Arriéres de 1.5% Par Mois: Terms Net 30 days

ORIGINAL INVOICE

Invoice

HALLTECH Environmental Inc.
Precision Farming Systems
Exploration Outfitters

GPS Solutions and Technical Field Supplies

Date	Invoice #
01/04/2003	241466

Bill To	Ship To
Jim Croxall 152 Brock Ave Timmins, On P4N 7P1 705-267-4314	Same

P.O. No.	Terms	Due Date	Rep	Ship Date	Ship Via	FOB	Tax Exemption #	RMA #
	Mastercard	01/04/2003	CL	01/04/2003	Purolator	Guelph		

Item	Description	Qty	B.O.	Rate	Amount
B01018WA	5-1/2 X 7-1/2 Whirl-Pak bags box of 500	1		84.00	84.00
Freight Out -...		1		12.00	12.00
	Business Number: 88558 0555 RT				
	SEMPLE $36.80 ADAMS $73.60				

GST	6.72
PST	7.68
Balance Due	Can$110.40

PORCUPINE CANVAS INC.
33 First Avenue, Box 700
Schumacher, Ontario P0N 1G0
Telephone (705) 268-7878
1-800-461-1045
Fax: (705) 360-1865

INVOICE # 08777

DATE APR 17/03

SHIP VIA

QUANTITY	PROD #	DESCRIPTION	PRICE	AMOUNT
15	5000	Orge Flagging	1.50	22.50
2pk		10 x 16 Sample Bags	7.50	15.–

Cash ☐ Cheque ☐ Visa ☐ M/C ☒ Interac ☐	SUBTOTAL	37.50
	G.S.T.	2.63
	P.S.T.	3.–
	DEPOSIT	
	TOTAL/BALANCE	43.13

MMP 28228-2C-489

STAPLES Business Depot
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200

Sale 00051 4 006 08077
0097 07/30/03 04:42

2	CLR LDGR 1-9		
	381556	1.52	3.04B
2	B/W LTR PLN 1-99		
	387151	0.07	0.14B
Subtotal			3.18
	PST 8.00%		0.25
	GST 7.00%		0.22
Total			$3.65
Cash			4.00
Cash Change			0.35

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****

FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
VISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

SEMPLE # 15.59

ADAMS # 31.19

PORCUPINE CANVAS INC.

33 First Avenue, Box 700
Schumacher, Ontario P0N 1G0
Telephone (705) 268-7878
1-800-461-1045
Fax: (705) 360-1865

INVOICE # 08962

DATE June 6/03

SHIP VIA

QUANTITY	PROD #	DESCRIPTION	PRICE	AMOUNT
3	4221	Hep Chai Thread	5.50	16.50

Cash ☐ Cheque ☐ Visa ☐ M/C ☐ Interac ☒	C. Baker SEMPLE $6.33 ADAMS $12.65	SUBTOTAL	16.50
		G.S.T.	1.16
		P.S.T.	1.32
		DEPOSIT	
		TOTAL/BALANCE	18.98

MMP 28228-2C-489

STAPLES Business DEPOT
www.businessdepot.com
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200
00035 6 006 94754
Sale 0097 06/09/03 12:56

6	SELF SERVE COPY		0.36B
	380979	0.06	
2	CLR LT GOOD 1-9		1.52B
	381522	0.76	
Subtotal			1.88
	PST 8.00%		0.15
	GST 7.00%		0.13
Total			$2.16
Cash			2.25
Cash Change			0.09

****
Thank you for shopping at
Staples Business Depot!
We will not be undersold!
****
FOR CUSTOMER SERVICE CALL 1-866-3STAPLES
OR EMAIL TO customer_service@busdep.com

TO JOIN OUR MANAGEMENT TEAM
EMAIL OR FAX YOUR RESUME TO:
careersont@busdep.com (905)513-7194

GST No. 126152586

SEMPLE

PORCUPINE CANVAS INC.
33 First Avenue, Box 700
Schumacher, Ontario P0N 1G0
Telephone (705) 268-7878
1-800-461-1045
Fax: (705) 360-1865

INVOICE # 08970

DATE June 9/03

SHIP VIA

QUANTITY	PROD #	DESCRIPTION	PRICE	AMOUNT
12	4203	RED FLAGGING	1.–	12.–
15	5003	BLUE "	1.50	22.50
2	4221	THREAD	5.50	11.–

Payment	Notes		
Cash ☐	SEMPLE $ 17.44	SUBTOTAL	45.50
Cheque ☐	ADAMS $ 34.89	G.S.T.	3.19
Visa ☐		P.S.T.	3.64
M/C ☐		DEPOSIT	
Interac ☒		TOTAL/BALANCE	52.33

MMP 28228-2C-489

Invoice

HALLTECH Environmental Inc.
Precision Farming Systems
Exploration Outfitters

GPS Solutions and Technical Field Supplies

Date	Invoice #
10/06/2003	241866

Bill To	Ship To
Jim Croxall 152 Brock Ave Timmins, On P4N 7P1 705-267-4314	Same

P.O. No.	Terms	Due Date	Rep	Ship Date	Ship Via	FOB	Tax Exemption #	RMA #
	Mastercard	10/06/2003	GG	10/06/2003	UPS	Guelph		

Item	Description	Qty	B.O.	Rate	Amount
B01018WA	5-1/2 X 7-1/2 Whirl-Pak bags	1		84.00	84.00
Freight Out -...		1		12.00	12.00
	Business Number: 88558 0555 RT				
	SEMPLE $36.80				
	ADAMS $73.60				

GST	6.72
PST	7.68
Balance Due	Can$110.40

STAPLES Business Depot
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200

Sale 00009 4 006 09717
0097 08/06/03 02:40

8 SELF SERVE COPY		
380979	0.06	0.48B
Subtotal		0.48
PST 8.00%		0.04
GST 7.00%		0.03
Total		$0.55
Cash		20.00
Cash Change		19.45

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****
FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
'ISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

STAPLES Business Depot
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200

Sale 00025 9 006 07191
0097 07/27/03 01:33

1 CLR LDGR 1-9	
381556	1.52B
Subtotal	1.52
PST 8.00%	0.12
GST 7.00%	0.11
Total	$1.75
Cash	2.00
Cash Change	0.25

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****
FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
VISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

SEMPLE

STAPLES Business Depot
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200

Sale 00023 12 001 32697
0097 09/09/03 07:39

1	BINDER POCKETS-5PK	
	077711786059	4.92B
1	BINDER 1 BLK 4 PK.	
	000022486301	6.99B
1	PORTFOLIO:POLY CLA	
	078787986114	3.93B
1	PORTFOLIO:POLY CLA	
	078787986114	3.93B
1	PORTFOLIO:POLY CLA	
	078787986114	3.93B
1	PORTFOLIO:POLY CLA	
	078787986114	3.93B
Subtotal		27.63
	PST 8.00%	2.21
	GST 7.00%	1.93
Total		$31.77

ADAMS $13.70

SEMPLE $18.07

American Express 31.77
***********1004 04/11
American Express Swiped Purchase
Authorization Number 26
[illegible] 7881 77004043
00000023 2003/09/09 19:38:48
000 APPROVED-THANK YOU

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****

FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
VISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

CANADA POSTES CANADA
2003

SEMPLE $7.60

CUSTOMER RECEIPT REÇU DU CLIENT

From Expéditeur

To Destinataire

www.canadapost.ca
www.postescanada.ca

1 888 550-6333

75 354 972 427

CANADA POST POSTES CANADA

Ministry of Northern Dev and Mines

M.N.D.M.
TIMMINS ONT
GST R124668666

09-04-03 #0

1X	0.15	@
PHOTOCOP	0.15	T
1X	2.00	@
6.ENG.CP	2.00	T
TAX1	0.17	
TAX2	0.15	
CASH	2.47	

ITEM 2
1CL 4479 15:15TM

STAPLES Business Depot
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200

Sale 00025 7 006 18302
0097 09/07/03 12:09

80 SELF SERVE COPY			
380979	0.06		4.80B
Subtotal			4.80
PST 8.00%			0.38
GST 7.00%			0.34
Total			$5.52
Cash			6.00
Cash Change			0.48

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****
FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
VISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

STAPLES Business Depot
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200

Sale 00015 8 006 16588
0097 09/02/03 11:52

17 SELF SERVE COPY			
380979	0.06		1.02B
22 SELF SERVE LEDGER			
381834	0.10		2.20B
Subtotal			3.22
PST 8.00%			0.26
GST 7.00%			0.23
Total			$3.71
Cash			5.00
Cash Change			1.29

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****
FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
VISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

Ministry of Northern Dev and Mines

M.N.D.M.
TIMMINS ONT
GST R124668666

07-26-03 #0

4X	0.15	@
PHOTOCOP	0.60	T
3X	0.25	@
PHOTOCOP	0.75	T
TAX1	0.11	
TAX2	0.09	
TOTAL	1.55	
CATEND	10.00	
CHANGE	8.45	

ITEM 7
1CL 4288 13:02TM

SEMPLE $6.69
ADAMS $13.38

Ministry of Northern Dev

M.N.D.M.
TIMMINS ONT
GST R124668666

08-05-03 #0

1X	2.00	@
GEO MAPS	2.00	T
1X	4.40	@
GEO MAPS	4.40	T
TAX1	0.51	
TAX2	0.45	
TOTAL	7.36	
CATEND	10.00	
CHANGE	2.64	

ITEM 2
1CL 4326 16:22TM

STAPLES Business Depot
Store # 97
1485 Riverside Drivr
Timmins, ON P4R1M8
705-360-4200

Sale 00035 2 006 19372
0097 09/10/03 02:51

225 SELF SERVE COPY		
380979	0.06	13.50B
15 SELF SERVE LEDGER		
381834	0.10	1.50B
3 CLR LEDGER SLFSRV		
475770	1.52	4.56B
Subtotal		19.56
PST 8.00%		1.56
GST 7.00%		1.37
Total		$22.49

American Express		22.49
***********1004		04/11
American Express	Swiped	Purchase
Authorization Number		27
0084	1533	77004044
00000035	2003/09/10	14:49:59
000 APPROVED-THANK YOU		

****
Thank you for shopping at
STAPLES Business Depot!
We will not be undersold!
****

FOR CUSTOMER SERVICE CALL 1-866-STAPLES
OR EMAIL TO customer_service@busdep.com

INTERESTED IN EXPLORING A CAREER WITH US?
VISIT WWW.GREATCAREERSATSTAPLES.CA

GST No. 126152586

SEMPLE $7.49
ADAMS $15.00

APPENDIX 4

Theory, Methodology and Interpretation of MMI Results

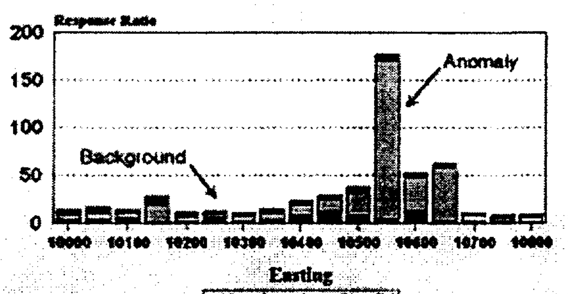
Using Response Ratios

To obtain maximum benefit from MMI data, it is recommended that Response Ratios be calculated. Response Ratios are not a 'magical' enhancement of the data. They are merely a way of highlighting samples that are a signal (anomalous) to those which are background. There are several advantages in using Response Ratios;

Highlight anomalous samples from background

Facilitate multi-element data presentations for interpretation. An example of this is the stacked bar chart shown below. By using Response Ratios all the elements can be plotted using the same scale even though the analytical data for Ni may be an order of magnitude higher than the Au responses.

MMI Stacked Bar Chart
South Comet Prospect



Data supplied courtesy of St Francis Mining NL

Reduce effects of dissolution variables eg temp, time. Allows accurate splicing of two data sets if they were done at separate times.

Reduce effects of sampling in different regolith units. If sample grid covers areas that have markedly different regolith, such as relict versus depositional, then the sample data can be treated accordingly to minimize the effect of sampling across different regolith units.

Calculating Response Ratios;

From an analytical data base select an element e.g. Au

Select the lowest quartile (25%) of the data for that element

Anything less than detection limit is included - use a value of half the detection limit e.g. if Au < 0.25ppb use 0.125ppb

Find the mean (average) of the lowest quartile = This is the BACKGROUND for that element

For each sample divide the element response by the BACKGROUND value. Round to whole numbers => 1. These are the RESPONSE RATIOS.

Sample Grid Design – it is important that the sample grid and orientation are correctly designed to maximise the information from the survey. Some points to consider include strike and direction of geology, expected target mineralisation size, and style of mineralisation expected.

Sample Collection – MMI analyses only require a sample size between 300-500g. Samples need to be collected at the surface* between 5 and 20cm depth, using a shovel. Samples should be sieved using a plastic –5mm mesh sieve. Samples should then be placed into plastic snap seal bags, do not use calico bags.

*surveys conducted in locations of active deposition and transport need to be taken with extreme care. In some areas this may require samples to be taken at a specific horizon in the soil, because the surface soil is too 'active' and has not had time to establish a mobile ion signal. For more information see technical update MMI Sampling in - Technical Bulletin 01.

It is highly recommended, before any sampling is undertaken, that the MMI Information Manual be obtained and read thoroughly.

Quality Control – as with all geochemical analyses, check standards and duplicates need to be inserted into the sample sequence for quality assurance and control.

Sample Submission – Samples need to be submitted to a laboratory licensed by MMI Technology.

Analyses – Need to determine what type of MMI analysis is required. Currently five MMI digestions are offered.

Digest A (Base Metals): Cu Pb Zn Cd

Digest B (Precious Metals): Au Ag Ni Pd

Digest C (Carbonates): Cu Pb Zn Cd

Digest D (Diamonds): Ni Cu Pd Nb Cr Mg

Digest F (Pathfinders): As Sb Hg Mo Se [illegible]

Digest G (Pegmatites): Pb

Discounts apply if samples analysed for both A and B digest element suites.

Data Handling and Interpretation - When MMI data is received from the laboratory it needs to be interpreted. The use of Response Ratios is highly recommended when interpreting MMI data. Response Ratios help to identify anomalous samples (high) from those samples which are background.

- MMI responses are related to a source, are not displaced, and do not form 'negative anomalies'.

Where will MMI work?

MMI has been used world-wide with remarkable success. Some of the types of climates and environments to which it has been applied include:

- Tropical rainforest
- Temperate rainforest
- Savannah
- Woodland
- Peatland
- Alpine regions
- Deserts

MMI has been used in climates varying from heavy rainfall to dry desert conditions. MMI is not limited to these types of environments, and MMI Technology recommends that companies conduct orientation surveys before embarking on large exploration programmes.

Which environments provide most difficulty?

Where physical or chemical processes produce a barrier to the surface migration of metal ions, most geochemical techniques will have difficulty in detecting metal response, and anomalies in surficial soils. Active alluvial channels which provide a physical barrier, and deep, transgressive carbonate units which provide a chemical barrier to migration are examples of this. In such environments, both orientation studies and expert advice are imperative. If you have any concerns or queries regarding the applicability of MMI in certain environments or mineralization styles, please contact us at info@mmigeochem.com.

How to use MMI
(Applying MMI Geochemistry in the field)

The MMI Technique has been designed to be a simple, robust method for explorationists to apply in the field. The technique does however require some careful planning and deliberation before being applied to survey sites. Some information is given below on how to conduct an MMI survey. This is a guide only. For more detailed information, refer to the MMI Information Manual, which can be downloaded free of charge.

The steps involved in completing a successful MMI survey are:

Orientation Survey - not essential but can provide valuable information on whether MMI is responding in soils across that area. Highly recommended in areas of highly transported and/or depositional soils. These initial surveys provide a lot of data prior to large surveys being completed;

2. *Is substrate independent*

- extracts unbound metals attached to clays, organic matter, iron oxides, etc.
- does not require a specific substrate, e.g. MnO_2

3. *Samples the A horizon of soils (5-15 cm below surface)*

- avoids B horizon sampling problems
- sampling is cheaper, and easier to access

4. *Utilizes strong ligands to retain metals in solution after extraction*

- prevents re-adsorption of metals
- allows Au to be analyzed with confidence
- provides more reproducible results

5. *Produces sharp positive anomalies for easy, direct interpretation*

- accurate siting of drilling over mineralization
- no rabbit's ears, negative anomalies
- does not rely on electro-geochemical cells

6. *Discriminates against surface transported material*

- highlights "active" source areas of metals
- of special use in laterites, carbonates, areas with cover
- highlights targets in conventional "corridors"

7. *Is high resolution geochemistry*

- better signal to noise ratio for detecting deep sources
- better spatial resolution for drill targeting

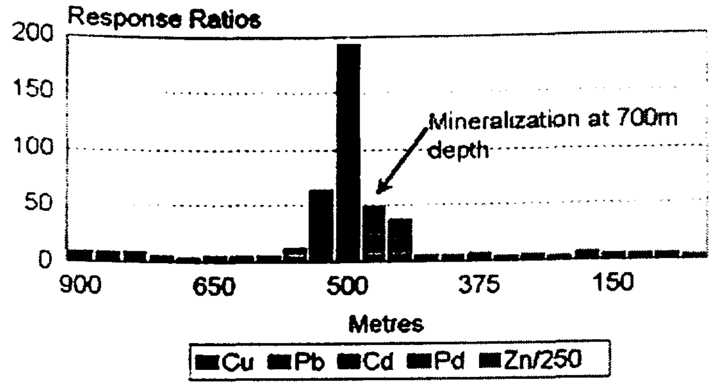
The Advantages of MMI

MMI has proved in general, to be more successful than conventional or other partial geochemical techniques because:

- MMI has been successfully used in difficult depositional/transported environments. In these environments MMI could accurately define mineralization deeply buried beneath layers of depositional and transported material whereas conventional techniques failed;
- MMI anomalies are more defined than conventional geochemistry, offering a more precise location of primary mineralization and providing a more accurate drill target;
- MMI is more effective over a larger spectrum of regolith units, from residual to depositional;

Base Metal Case Study

(Stacked Bar Chart of MMI Response Ratios)



By successfully measuring the mobile metal ion content in soils, MMI can give explorationists an accurate 'picture' of what lies beneath the surface:

- MMI anomalies are very sharp and precise;
- MMI responses occur directly above mineralization and updip;
- Defined anomalies allow companies to save up to 50% in exploration cost by reducing the need for broad scale drilling programmes;
- MMI provides an ideal tool for defining and prioritizing geophysical targets – don't waste exploration dollars drilling unnecessary holes.

If you have any concerns or queries regarding the applicability of MMI in certain environments or mineralization styles, please contact us at info@mmigeochem.com.

What is the difference between MMI and other geochemical methods?

MMI (MOBILE METAL ION) geochemistry:

1. *Primarily targets ore elements*

- Cu, Pb, Zn, Cd (MMI suite A)
- Au, Ag, Ni, Co and Pd (MMI suite B)
- Cu, Pb, Zn, Cd (MMI suite C)
- Ni, Co, Pd, Nb, Cr and Mg (MMI suite D)
- As, Sb, Hg, Mo, Se and Fe (MMI suite F)
- U, Th, Pb, Ta, W and Sn (MMI suite G)

The MMI Process®

In order to successfully measure these ions, an integrated package has been developed called the MMI Process®. Using specially designed chemical extraction techniques the mobile ions attached to soil particles are released into solutions. These solutions are then analysed for their Mobile Metal Ion content.

The MMI Process analyses for commodity elements, which are found in ore-bodies. These are,

Digest A (Base Metals):

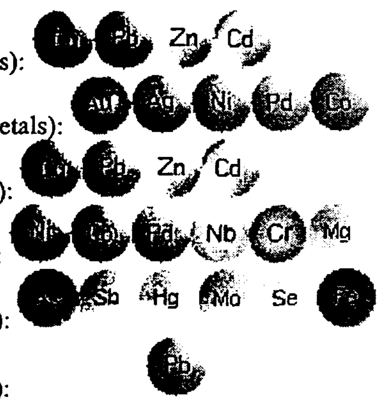
Digest B (Precious Metals):

Digest C (Carbonates):

Digest D (Diamonds):

Digest F (Pathfinders):

Digest G (Pegmatites):



MMI Analyses are available from commercial laboratories around the world. MMI Technology has licensed these laboratories. Small sample requirements have enabled companies to successfully use the MMI Process worldwide and in remote locations.

Characteristics of MMI Geochemistry

The MMI Process is an Advanced Technique: The MMI Process offers the mining industry a very powerful surface exploration tool. By successfully measuring the mobile metal ion content in soils, MMI can give explorationists an accurate 'picture' of what lies beneath the surface. Shown in the graph below is a case study where MMI was conducted over a base metal deposit. Note that the ore-body is at 700m depth in a deeply weathered, residual environment. The highest MMI responses (anomaly) re directly above the ore-body.

The following MMI theory, methodology and interpretation is quoted directly from the **info@mmigeochem.com** web site to provide background material for this survey method.

The MMI Theory - What is MMI Geochemistry

Mobile Metal Ions is a term used to describe ions which have moved in the weathering zone and that are only weakly or loosely attached to surface soil particles. It is a widely held belief that these Mobile Metal Ions are transported from deeply-buried ore bodies to the surface. Scientists from around the world have been studying this phenomenon for many years.

No-one is completely clear on exactly how the metal ions migrate to the surface. However, research and case studies over known ore-bodies have shown that mobile metal ions accumulate in surface soils above mineralization, indicating that the metals are derived from the mineralization source. The diagram below demonstrates a hypothetical model by which mobile ions are released from ore bodies, migrate vertically and accumulate in surface soils.

As the ions reach the surface, they attach themselves weakly to the soil particles. These are the ions that are measured by the MMI Technique to find mineralization at depths. The weakly attached ions are at very low concentrations. Because the ions have recently arrived to the surface they provide a precise 'signal' on where the ore-bodies are.

When the mobile metal ions have arrived at the surface they have a limited lifetime as 'mobile' ions. At the surface the ions are subject to weathering and are bound up by soil forming processes (i.e. they become part of the soil). The diagram below demonstrates this process. Note that bound ions (yellow) are subject to lateral movement away from the mineralization. The mobile ions (blue), however, do not move away from the source (mineralization) because they have a limited lifetime before they are converted to a bound form.

By only measuring the mobile metal ions in the surface soils, MMI Geochemistry will produce very sharp responses (anomalies) directly over the source of mobile ions. This source is ore-bodies at depth, which emit metal ions, which make up that ore-body. For example a Cu, Pb, Zn base metal deposit will emit (release) Cu, Pb and Zn ions.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT AND MINES

Work Report Summary

Transaction No:	W0360.01448	**Status:**	APPROVED
Recording Date:	2003-SEP-11	**Work Done from:**	2003-MAY-05
Approval Date:	2003-SEP-23	**to:**	2003-JUL-18

Client(s):

113096	BRYANT, JOHN DOUGLAS
122685	CROXALL, JAMES ERNEST
150666	KANGAS, MATTI

Survey Type(s):

ASSAY GCHEM

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1191895	$10,149	$10,149	$6,400	$6,400	$0	0	$3,749	$3,749	2005-FEB-18
	$10,149	$10,149	$6,400	$6,400	$0	$0	$3,749	$3,749	

External Credits: $0

Reserve:

$3,749 Reserve of Work Report#: W0360.01448

$3,749 Total Remaining

Status of claim is based on information currently on record.

41P14NE2013 2.26285 SEMPLE 900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Date: 2003-SEP-23

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

JOHN DOUGLAS BRYANT
147 BROCK AVENUE
TIMMINS, ONTARIO
P4N 7N9 CANADA

Submission Number: 2.26285
Transaction Number(s): W0360.01448

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact PIERRE DESCOTEAUX by email at pierre.descoteaux@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,

Ron Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

John Douglas Bryant
(Claim Holder)

James Ernest Croxall
(Claim Holder)

Assessment File Library

John Douglas Bryant
(Assessment Office)

Matti Kangas
(Claim Holder)

2.26285

ONTARIO CANADA — MINISTRY OF NORTHERN DEVELOPMENT AND MINES — PROVINCIAL MINING RECORDER'S OFFICE

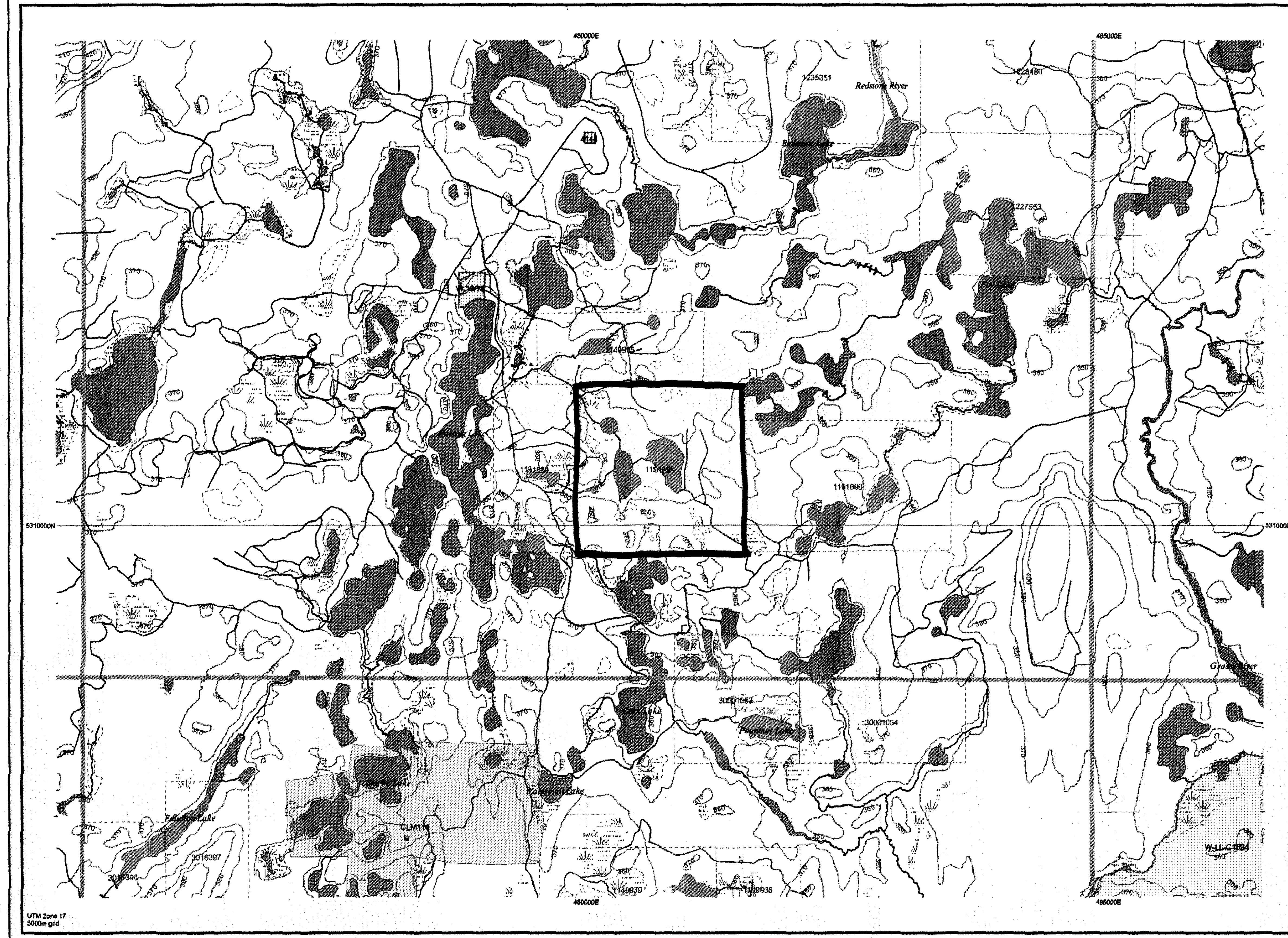
Mining Land Tenure Map

Date / Time of Issue: Tue Sep 23 13:27:49 EDT 2003

TOWNSHIP / AREA	**PLAN**
SEMPLE	***M-1100***

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Porcupine
Land Titles/Registry Division	SUDBURY
Ministry of Natural Resources District	TIMMINS



TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- 1234567 Mining Claim
- 1234567 Filed Only Mining Claims

LAND TENURE WITHDRAWALS

- 1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

IMPORTANT NOTICE

Scale 1:40000

700m 0m 2.1km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
4144	Wsm	Jan 1, 2001	400 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES &
W-LL-C1594	Wsm	Nov 21, 2001	Mining and Surface rights withdrawal Section 35 of the Mining Act R!
W-P 44/94	Wsm	May 2, 1994	M.R.&S.R. WITHDRAWN FROM PROSPECTING.STAKING OUT,SAL
W.19/78	Ws	Jan 1, 1980	W.19/78 188543 10/4/78 S.R.O.

Assay
GCHEM

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

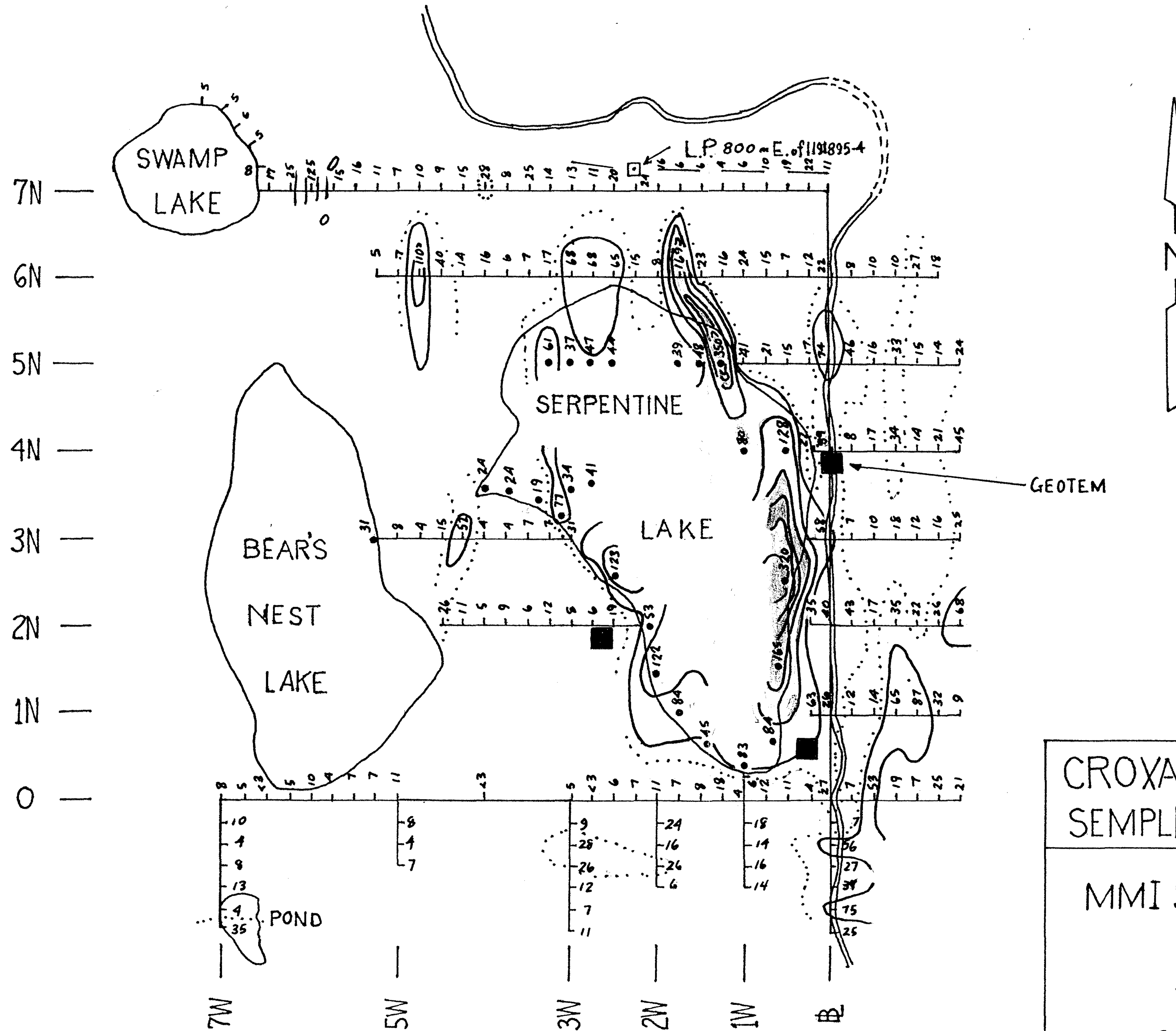
Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 57??
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in *land including certain patents, leases, easements, right of ways,* flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

41P14NE2013 2.26285 SEMPLE 200



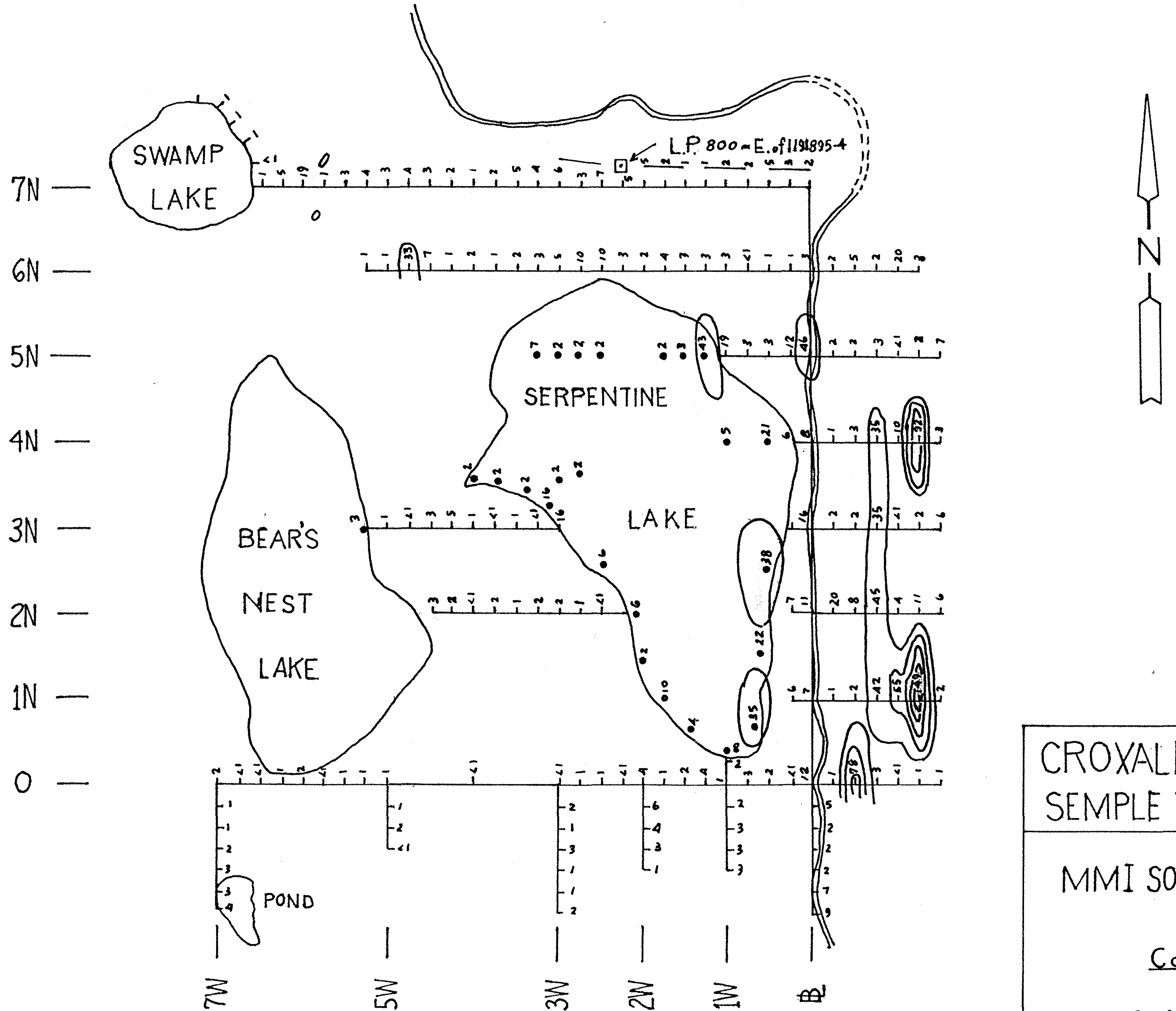
CROXALL-BRYANT-KANGAS
SEMPLE TWP. PROPERTY

MMI SOIL GEOCHEMISTRY

Ni - PPB

SCALE - 1:5,000

J.D. BRYANT AUGUST 2003



CROXALL-BRYANT-KANGAS SEMPLE TWP. PROPERTY

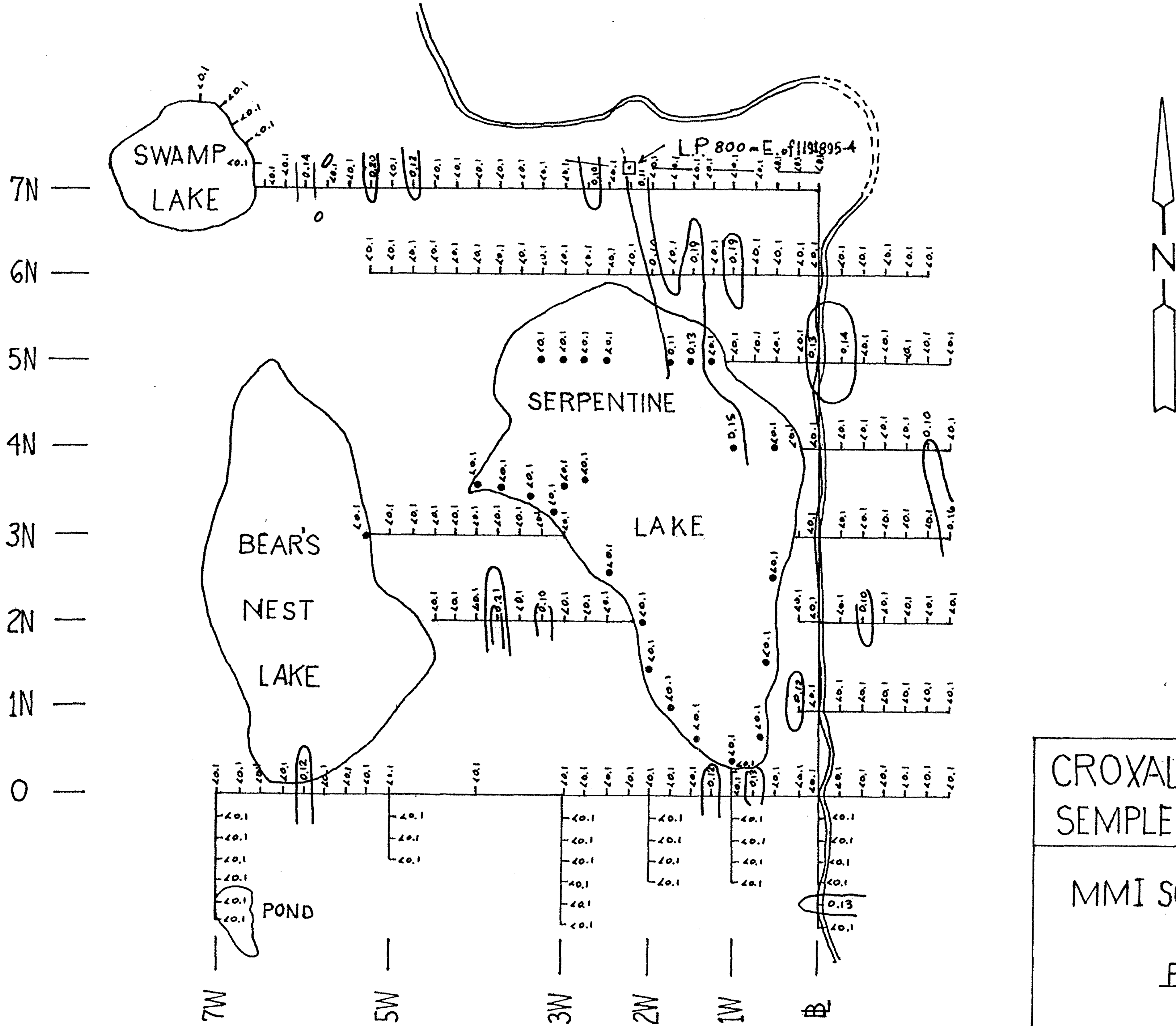
MMI SOIL GEOCHEMISTRY

Co - PPB

SCALE - 1:5,000

J.D. BRYANT

AUGUST 2003



CROXALL-BRYANT-KANGAS
SEMPLE TWP. PROPERTY

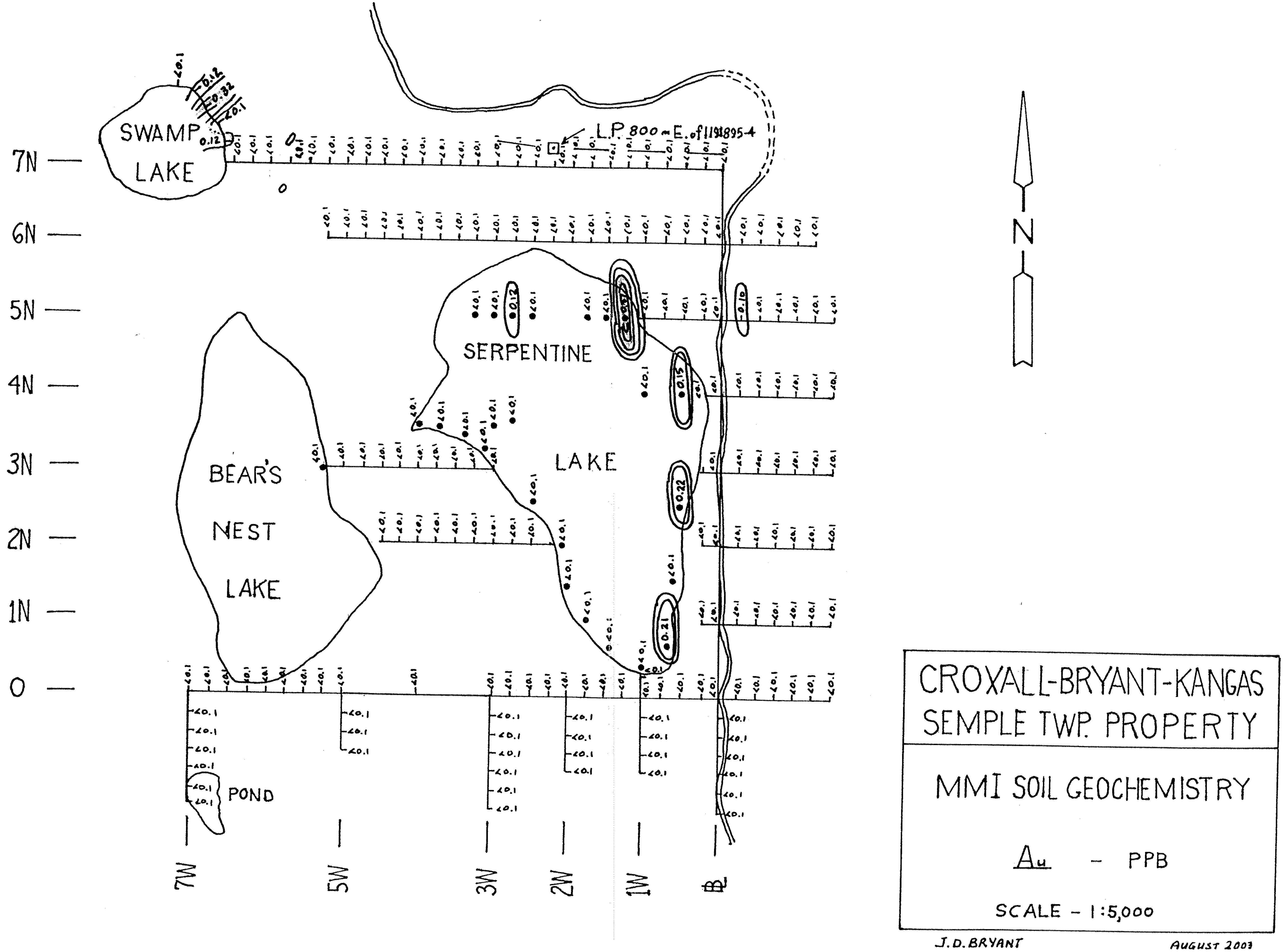
MMI SOIL GEOCHEMISTRY

Pd - PPB

SCALE - 1:5,000

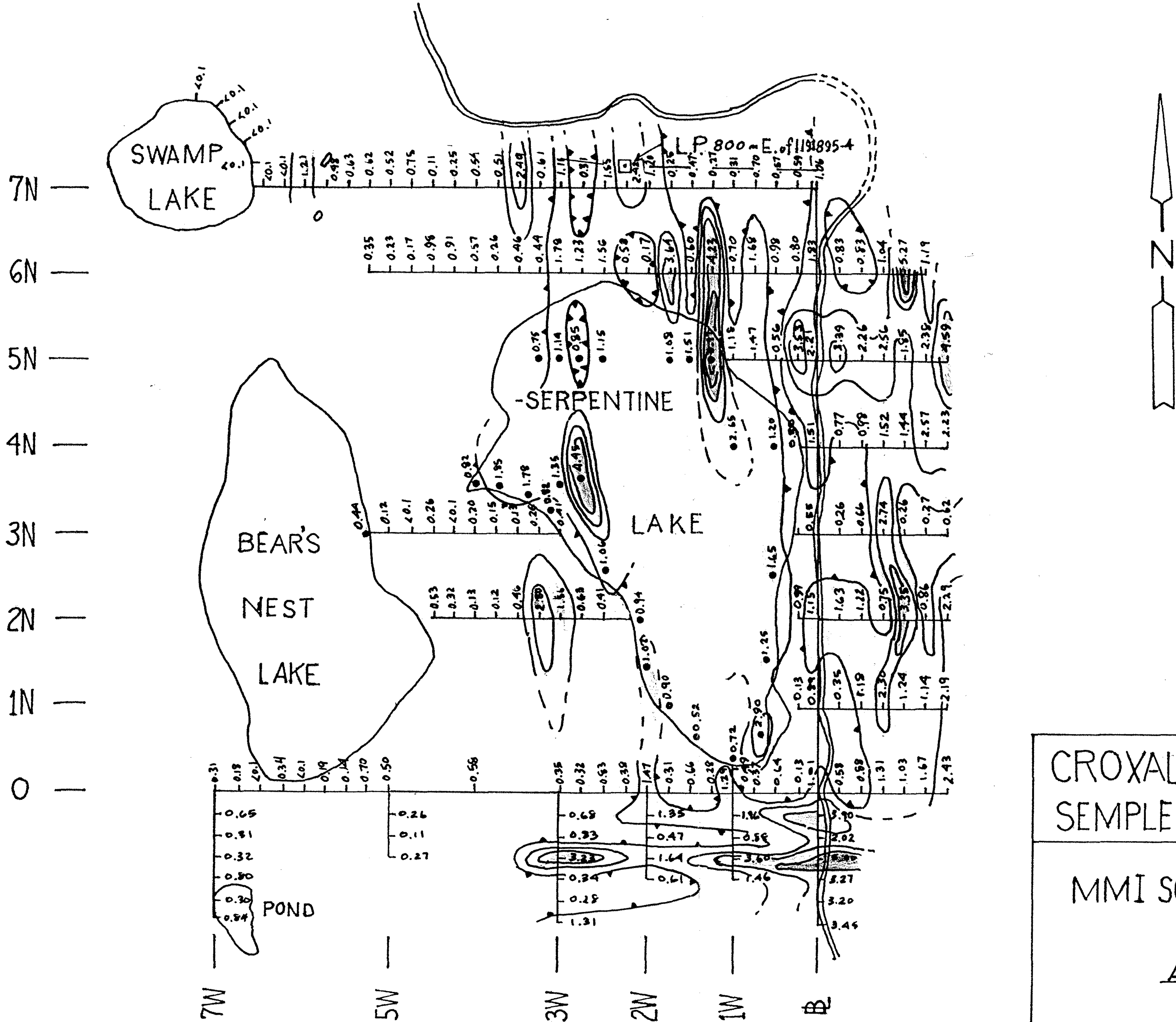
J. D. BRYANT AUGUST 2003

41P14NE2013 2.26285 SEMPLE 230



41P14NE2013 2.26285 SEMPLE

240



CROXALL-BRYANT-KANGAS SEMPLE TWP. PROPERTY

MMI SOIL GEOCHEMISTRY

Ag - PPB

SCALE - 1:5,000

J.D. BRYANT   AUGUST 2003