



42A04NW0100 2.14805 KENOGAMING

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**ASSESSMENT REPORT FOR
HUMUS and SOIL GEOCHEMICAL SURVEY OVER
FALCONBRIDGE LIMITED MINING CLAIMS**

**P1114838,P1114839,P1156070,P1156071,P1156072,P1156073,P1156074
P1156075,P1156077,P1189699,P1190359,P1190360,P1170552,P1170553**

KENOGAMING TOWNSHIP

N.T.S. 42A/05

FALCONBRIDGE LIMITED - TIMMINS, ONTARIO

RECEIVED

NOV 20 1992

MINING LANDS BRANCH

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Qual. 2.14805

November 13, 1992



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1. INTRODUCTION

Falconbridge Limited completed a geochemical humus and B - soil survey over fourteen mining claims in Kenogaming Township within the Porcupine Mining Division. Two survey phases were completed; a Phase I humus survey between June 9 and June 24, 1992, and a Phase II, consisting of both humus and B - soil surveys between July 21 and August 14, 1992. The latter was surveyed in conjunction with a geological survey, not described in this report. A total of 715 samples were taken and analyzed using a partial extraction process. Total survey cost was \$22,358. Assessment work is to be credited to appropriate mining claims, as indicated in the attached Report of Work Conducted After Recording Claim, with a portion assigned to the some of the claims in this contiguous thirty nine claim block, and the remainder banked in reserve. All survey data are compiled in Figures 4 - 18 and in Appendices A and B. The work was supervised by A.D. McLaughlin, also author of this report.

2. LOCATION AND ACCESS

The property is located approximately sixty kilometres southwest of Timmins, Ontario (Figure 1). Access is by Highway 101 and then five kilometres south on the Kenogaming gravel road. Old logging roads provide access for all terrain vehicles or on foot throughout the property.

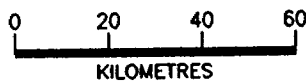
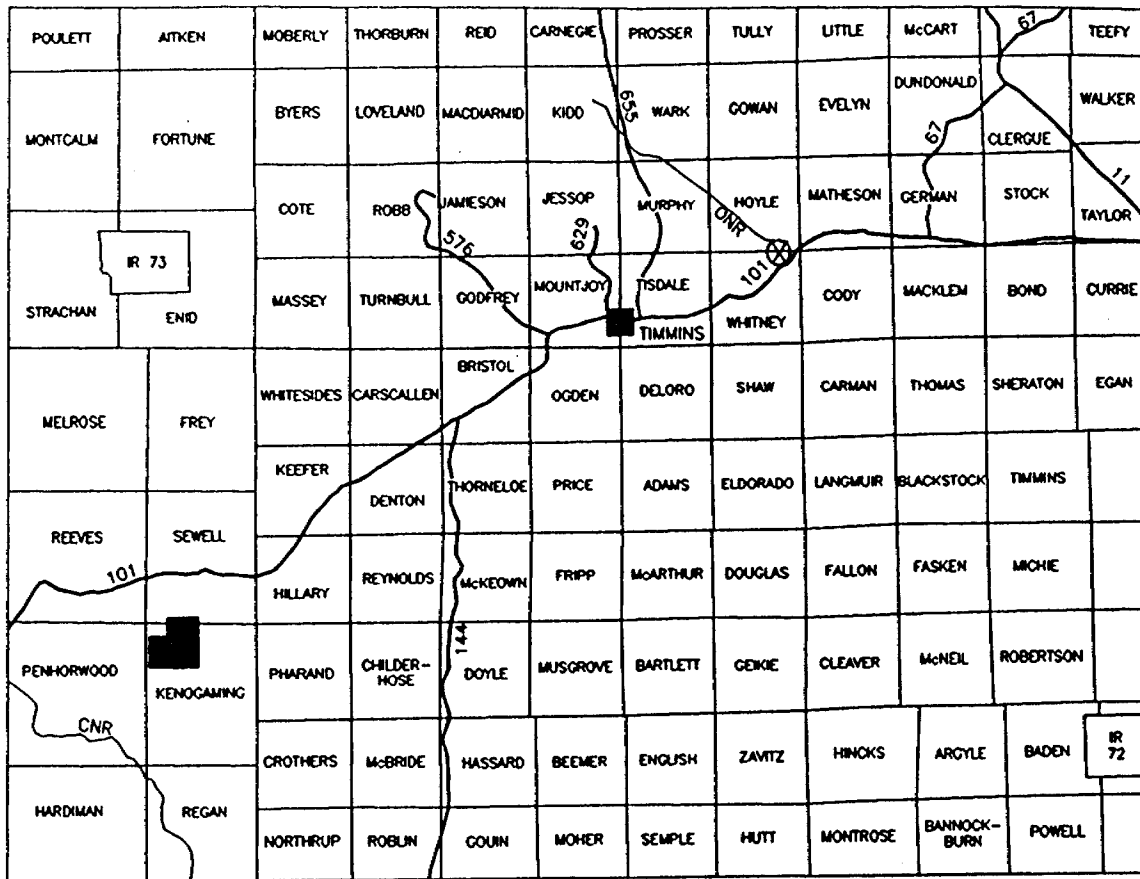
3. TOPOGRAPHY and VEGETATION

The area is fairly flat with occasional sand ridges and rock outcroppings. Due to old logging much of the forest is second growth and consists of spruce, poplar and alders.

4. PROPERTY and MINING CLAIMS

The property consists of staked claims contained within Kenogaming Township (Figure 2). Fourteen claims were gridded with flagged lines and sampled. For each claim the sample totals and the percentage of survey, based on the number of samples over each claim, are compiled in Table I. Survey labour and support costs were apportioned based on this percentage number.

Two of the claims, P1190358 and P1190360, were sampled as part of this regional survey prior to being staked by Falconbridge Limited. With the positive results plus subsequent recognition that claims, P1156074, P1156072 and P1156807 were, in fact, located west of the apparent position on the claim map; the survey work is to be credited as assessment work.



LEGEND

- ⊗ FALCONBRIDGE LTD (KIDD CREEK) METSITE
- KENO GAMING EXT. PROJECT AREA



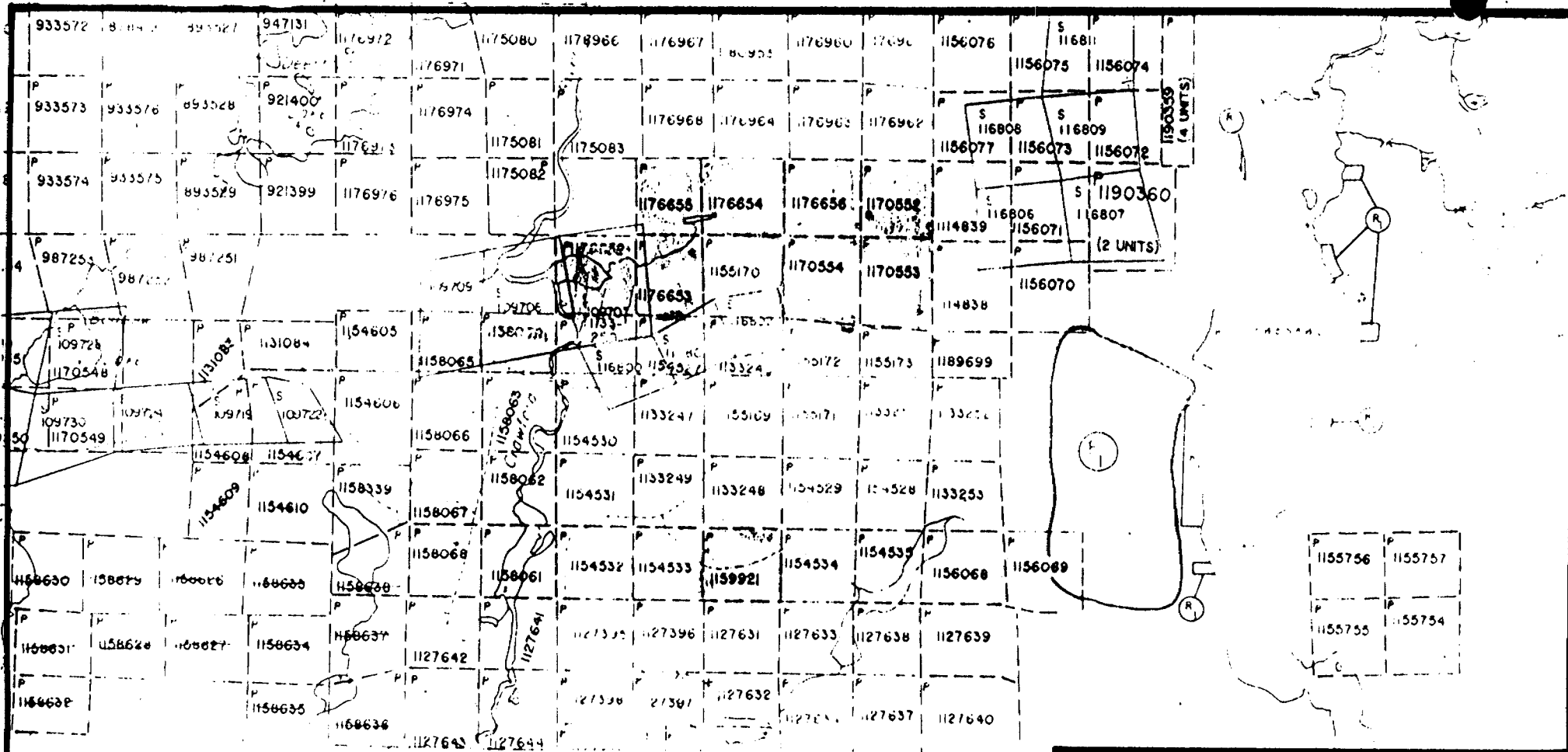
FALCONBRIDGE LIMITED Exploration Division Timmins ONTARIO KENO GAMING (EXT.) PROJECT LOCATION MAP				
TRACE: LL	DATE: 09/92	BY: JH/PH	PROJECT: 001	
DRAWN: LL	DATE: 22/10/92	APP: BR	FILE: ..	
SUPERVISOR: S.M.	DATE: 10/92	FIGURE 1		
REVISED:	DATE:			

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FIELD PERSONNEL

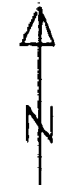
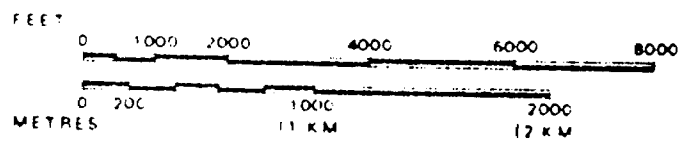
Doug McLaughlin	Project Geologist, Falconbridge Limited #9 - 820 Suzanne Street, Timmins, Ontario P4N 8C4
Jack Robert	Sampler, Larchex Inc., Exploration and Mining 218 Ogden Street, Timmins, Ontario P4N 1M9
Jake Lagault	Sampler, Larchex Inc., Exploration and Mining #3 - 28 Vimy Street, Timmins, Ontario P4N 4J9
Phil Vicker	Senior Geological Assistant, Falconbridge Limited Toronto, Ontario.
Jeff St. Jean	Technician, Falconbridge Limited Kirkland Lake, Ontario.

SEWELL TWP.



KENOAGAMING TWP.

SCALE: 1 INCH = 40 CHAINS



FALCONBRIDGE LIMITED Exploration Division Timmins, ONTARIO	
PROPERTY AND CLAIMS MAP	
SCALE	Date:
Drawn:	Project No: 8219 Date:

FIGURE 2

TABLE I

HUMUS AND B - SOIL SURVEYS

FALCONBRIDGE LIMITED MINING CLAIMS in KENOGAMING TOWNSHIP

CLAIM NUMBER	PHASE I HUMUS	PHASE II HUMUS	PHASE II B SOILS	TOTAL SAMPLES	% TOTAL WORK
P1114838	53	8	5	66	9.23
P1114839	29	2	7	38	5.31
P1156070	17	4	16	37	5.17
P1156071	28	5	32	65	9.09
P1156072	58	0	11	69	9.65
P1156073	58	0	1	59	8.25
P1156074	59	2	0	61	8.53
P1156075	9	0	0	9	1.26
P1156077	7	5	0	12	1.68
P1189699	2	0	0	2	0.28
P1190359	86	82	18	186	26.01
P1190360	12	0	23	32	4.48
P1170552	38	4	13	55	7.69
P1170553	24	0	0	24	3.36
TOTALS	480	113	122	715	100%

5. PREVIOUS WORK

Nickel was first discovered in the area in 1950 by Dunvegan Mines Ltd. In the following years, to 1954, Falconbridge Limited and Norduna completed MAG and EM surveys and approximately 2800 metres of diamond drilling; most actually immediately south of the work area covered in this report. Between 1956 and 1959 during an asbestos exploration program, Canadian John's Manville carried out MAG surveys, geological mapping and later drilled six holes totalling 360 metres.

American Barrick Resources Corporation between 1987 to 1989 rock sampled the area returning up to 0.72% nickel. Mr George Ross staked claims and using an OPAP grant drilled two diamond drill holes. Timmins Nickel Inc. then optioned the ground and completed 29 overburden drill holes and a MAG survey. Falconbridge Limited optioned the ground from Mr. Ross after Timmins Nickel Inc. returned them.

6. REGIONAL GEOLOGY

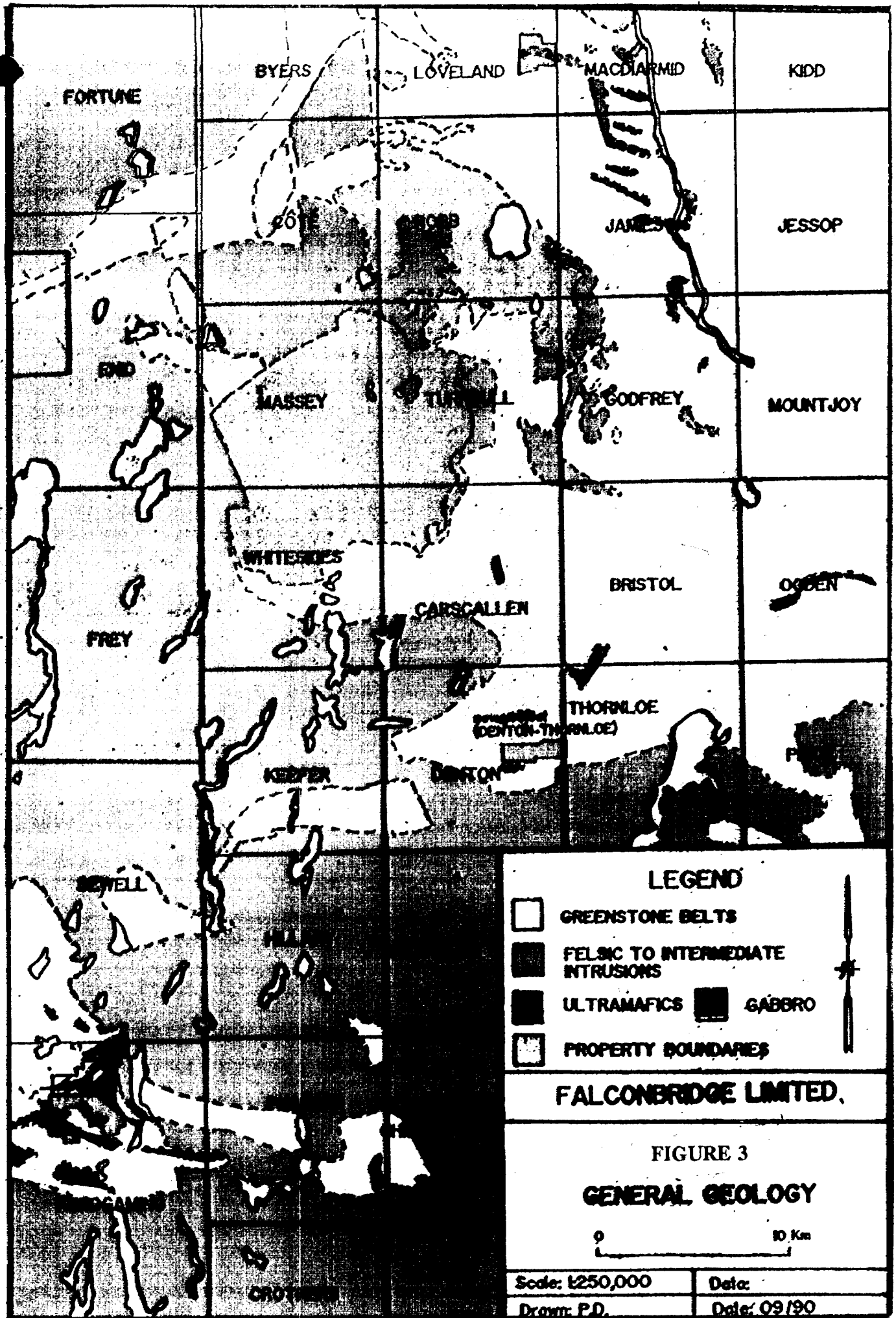
Kenogaming Township lies within the North Swaze greenstone belt (Figure 3). The property itself is underlain mainly by the Hanahran Assemblage (Jackson and Fyon, 1990), a northeast/southwest trending belt of komatiite volcanics overlying iron formation and mafic to felsic volcanics. These have been folded into a northeast trending antiform enveloped by granite. Later north to northeast trending diabase dykes cut the section.

7. HUMUS and B SOIL SURVEYS

7.1 Introduction

With little outcropping on the property, it was felt that humus and B soil surveys would detect anomalous metal concentrations from the prospective ultramafic horizons. However since the area is underlain by glacial tills of both unknown thickness and type, a conventional humus analytical method would detect metals emanating from both the bedrock and those derived from the till. Since the latter might mask any significant bedrock responses, a partial extraction analytical procedure was performed on the collected samples.

This process, essentially a cold extraction analysis, will detect only those metal ions that were adsorbed or scavenged by either the humic acids present in the humus material, or by the iron and manganese hydrous oxides in the B soils. These ions represent only mobile metals emanating from either a bedrock or till source and not directly the transported material. These cations are subsequently held in a relatively weak bond, unlike those more tightly bonded in sulphide or silicate minerals, and are more amenable to leaching by this process. The processes, as modified by Gwendy Hall of the Geological Survey of Canada, are detailed in Appendix A.



The humus layer is only variably developed on the property. Typically the humus or (A_1 soil layer) is 1-10 centimetres thick and present below the forest litter zone (A_0 layer). However in areas of outcrop, or recent logging the humus is not always present or, is too thin for sampling without contamination from the adjacent soil layers.

Underlying the humus is the B soil horizon developed from the transported glacial material. It is marked by an upper grey bleached interval, up to 0.50 metres thick, that grades down into a distinct gossan coloured horizon of variable thickness. The contact is often gradual with a mottled texture marking this transition zone.

The surveys were collected in two phases. First a humus survey was completed between June 9 and June 24, 1992. The samples were collected by two samplers contracted from Larchex Inc. of Timmins, Ontario. Samples were taken at twenty metre intervals on the grid along lines 100 metres apart. Shovels and garden hoes were used to obtain enough humus material to fill a Kraft Paper bag 9.5 by 23 centimetres. All samples were air dried in the Falconbridge Limited Timmins office and then shipped to TSL/Assayers Corporation Ltd. in Rouyn, Quebec, for analysis. A total of 480 samples were taken.

Phase II survey, consisting of both humus and B - soil surveys was completed between July 21 and August 14, 1992, by two Falconbridge Limited personnel. Samples were taken in areas of anomalous values in order to provide more detail on the anomalous areas. B soils were also collected to obtain more information. Additional B soils were collected in areas that humus could not be sampled in the original survey. Similar sample collection procedures were used for both Phase II surveys. In total 113 humus samples and 122 B soils were collected.

7.2 Sample Statistical Analyses and Standards

All the data were statistically analyzed using the Rockware software program. These results are presented in Appendix II. Scaled symbol sizes represent specified sample ranges based on the sample populations derived from the histogram analyses.

For the humus surveys, fifteen sample standards were submitted as a control on the analytical method. A humus sample standard, SO-4, obtained from the Canada Centre for Mineral and Energy Technology, was used. The results (Appendix C) show reasonable grouping for a humus survey. There are a few high results from the nickel, copper and zinc; and a few low lead values. Cobalt is especially variable however. The survey results were not adjusted for the standard variations.

Two samples were sent in with the B soils and these returned similar results.

7.3 Phase I Humus Results

The data plots for nickel, cobalt, copper, zinc and lead are presented on Figures 6 to 11. Silver results were not plotted since all are at or below the process's detection limit. In general the data reflect a typical geochemical survey population with the values strongly skewed towards the low range, indicative of background metal concentrations. The higher range values would then represent a second anomalous sample population. Background values are represented by the two lowest ranges for each metal on the maps.

The most significant trend is a 600 metre by up to 80 metre wide cobalt anomaly with values two - eight times background. Within this anomaly are two similarly striking nickel anomalies 100 metres long and 20 metres wide again with values up to ten times background. The maximum values here is 39 ppm for both metals. There is a weakly anomalous lead response in this area at twice background. The anomaly trends east-west cutting across interpreted ultramafic rocks overlying (?) iron formation. It is coincident, however, with an well defined MAG high adjacent a easterly trending lineament.

There are no other significant nickel anomalies from the survey, but a single station wide cobalt occurs over grid lines L11+00W to L13+00W also with an east-west trend. The highest cobalt value on the property was detected here, 75 ppm Co. There is no other metal association.

Another prominent anomaly is present to the southeast over L4+00W. Here zinc returned values ranging from 150 - 350 ppm Zn, relative to property background of 50 ppm Zn. Unfortunately the high values are restricted to this one line and there is no other metal association. The anomaly occurs over iron formation which forms a slight topographic high point in the area. Since the best zinc values are slightly downslope of this high point and continue downslope to an adjacent swamp, a hydromorphic anomaly is suggested.

Copper did not return any significant responses.

7.4 Phase II Humus and B Soil Results

This survey results are presented on Figures 11 - 15, again with silver not plotted. The humus samples essentially repeat the anomalous trends in nickel and cobalt. Closer spaced sampling defined the main nickel and cobalt trend more accurately although absolute values were variable from the original survey. The zinc anomaly on L4+00W is also present on this second survey, but maximum value is only 205 ppm Zn. Zinc background values are generally higher in the second survey, as there are to a lesser extent from all metals. This reflects the fact that only anomalous areas were sampled.

Copper, lead and cobalt are also comparable to the original survey. No new trends are indicated.

The B soils produced data both with low values closer to the detection limit of the analyzed metals, and with a much smaller range of responses. As a result statistically anomalous values are not much higher than background. Therefore only copper, zinc and lead are presented on Figures 16 - 18. Nickel does not indicate any significant trends. The maximum value is 4 ppm Ni which is only twice background. These higher values are not common and are also isolated. The same is true for cobalt, copper and silver. Zinc and lead both returned a better range of values, but again the maximum values are relatively low compared to the humus surveys. Several zinc values are four times background, but occur as one to two stations wide anomalous and do not form any trends. Lead similarly forms no useful trends with statistically anomalous values only twice background. There is no significant correlation with the humus results.

8. SUMMARY AND DISCUSSION

The humus survey detected several anomalous trends that appear not to correlate with the interpreted stratigraphic trends, but rather with structural trends. Overall the metal concentrations are higher over the eastern section of the surveyed area suggesting either bedrock is closer to surface or, more optimistically, there is more mineralization in this area. The anomalous patterns also suggest local metal sources, possibly indicating sulphide mineralization.

9. RECOMMENDATIONS

All the anomalous areas should be investigated for undetected outcroppings. Local topographic relief and drainage patterns must be examined to ascertain any hydromorphic dispersion anomalies. If warranted trenching will be completed over the areas to examine both the till and bedrock. With little information on glacial till, the surficial geological contribution will have to be investigated.

10. REFERENCES

- Bolviken, B. and Gleeson, C.F., (1979), Focus on the Use of Soils for Geochemical Exploration in Glaciated Terrane, in *Geophysics and Geochemistry in the Search for Metallic Ores*, Geological Survey of Canada Report 31.
- Hamilton, J.A. et al, (1991), *Geochemical Exploration Applied to Base Metal and Gold Exploration in Ontario*, Progress Report for Corporate Partners and the Ministry of Colleges and Universities of Ontario.
- Jackson, S.L. and Fyon, J.A., (1991), The Western Abitibi Subprovince in Ontario, in *Geology of Ontario*, Ontario Geological Survey, Special Volume 4, Part 1, p 405-484.
- Leshner, C.M. and Groves, D.I. (1984)
Geochemical and Mineralogical Criteria for the Identification of Mineralized Komatiites in Archean Greenstone Belts in Australia. *Proceedings of the 27th International Geological Congress*, Vol. 9, pp. 283-302.

APPENDIX A

SAMPLE ANALYZES and ANALYTICAL PROCEDURES

ORGANIC PHASE PARTIAL EXTRACTION FROM HUMUS SAMPLES

1. Weigh out 1.0 gram of sample into 250 ml Erlenmeyer flasks.
2. Add 85 mL of reagent 0.1M $\text{Na}_4\text{P}_2\text{O}_7$ to the samples.
3. Cover top of flasks with parafilm.
4. Swirl the samples to mix and to remove any sample stuck to flask bottom.
5. Shake on shaker for 3 hours @ 100 shakes per minute.
6. Remove samples from shaker.
7. Swirl and transfer the sample into two 50 mL Falcon tubes. Make sure that tubes have same amount of sample.
8. Weigh Falcon tube and balance them by adding 0.1M $\text{Na}_4\text{P}_2\text{O}_7$ to the samples.
9. Centrifuge the samples for 10 minutes. NOTE: Position the tubes in Centrifuge so that they are opposite to the tubes with the corresponding weight.
10. Set up Millipore suction filtering apparatus. Clean with 10 mL HNO_3 in 250 mL of DDI H_2O allowing the solution to be drawn through the filtering apparatus. Rinse twice with 250 mL of DDI.
11. Use Whatman #41 diameter 5.5 cm for filtering of samples.
12. Decant supernatant (top of solution) into filter cup. Pour into middle of the filter paper to prevent sample from sticking to the sides.
13. Rinse the filter cup sides twice with 0.1M $\text{Na}_4\text{P}_2\text{O}_7$ and remove filter cup. Remove filter paper and place it just inside the mouth of the flask from which the sample came. Transfer the filtrate (sample in the filter flask) into a clean and labelled 100 mL volumetric flask using a funnel. Rinse the funnel twice using 0.1M $\text{Na}_4\text{P}_2\text{O}_7$. Cap the volumetric flasks.
14. Clean filtering apparatus between samples as described in Step # 10 and rinse funnel between samples with DDI.
15. Add 10mL of $\text{Na}_4\text{P}_2\text{O}_7$ to the residue and transfer back into the Erlenmeyer from which it came. Rinse each tube two or three times to transfer all remaining residue into the flask. Do this to each tube keeping in mind that the total volume must be 85 mL and also that there are two tubes for each sample.
16. Make volume up to 100 mL in the volumetric flasks.
17. Analyze both sets by Flame AA.

B SOIL PARTIAL EXTRACTION FROM HUMUS SAMPLES

1. Weigh out 1.0 g of sample into a 50mL Falcon tube.
2. Add 20 mL of 1M NaOAc to samples.
3. Vortex samples.
4. Shake samples on shaker for 6 hours at 160 shakes per minute.
5. Centrifuge samples for 10 minutes at 2800 rpm.
6. Decant supernatant from samples into separate Falcon tube.
7. Add 5 mL of DDI H₂O to residues; vortex and centrifuge for 10 minutes.
8. Repeat Steps 6 and 7.
9. Make up volume to 30 mL mark with DDI H₂O.
10. Add 20ml of 0.25M of reagent NH₂OH,HCL to residues.
11. Vortex samples.
12. Heat samples in H₂O bath for 2 hours at 60⁰ C. Vortex every 5-10 minutes. Leave caps initially on loosely to reflux samples.
13. Centrifuge samples for 10 minutes.
14. Decant supernatant into separate Falcon tubes.
15. Add 5mL of DDI H₂O to residues, vortex and centrifuge for 10 minutes.
16. Repeat Steps 6 and 7. Decant remaining supernatant into Falcon tubes.
17. Analyze both sets by Flame AA.

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I.C.A.P. ANALYSIS

LCONBRIDGE TIMMINS

1046-SG

ATTN: D. MCLAUGHLIN

PROJ:8219

REPORT No. : **R1046**

Page No. : 1 of 6

File No. : 2R1046

Date : JUN-25-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00002	2.5	9	3	33	16	< 1
SA00003	3.0	5	1	28	19	< 1
SA00004	<0.5	4	< 1	32	33	< 1
SA00005	<0.5	6	1	24	9	< 1
SA00006	0.5	7	3	40	18	< 1
SA00008	0.5	4	2	18	5	< 1
SA00010	1.5	6	2	12	11	< 1
SA00012	2.0	9	2	21	16	< 1
SA00014	5.0	7	< 1	21	12	< 1
SA00015	2.5	6	< 1	18	10	< 1
SA00016	75.0	9	2	32	9	< 1
SA00017	2.5	6	3	32	29	< 1
SA00018	1.5	9	2	11	21	< 1
SA00019	1.5	9	2	21	9	< 1
SA00020	0.5	5	1	23	16	< 1
SA00024	3.5	9	3	19	9	< 1
SA00025	<0.5	7	1	26	8	< 1
SA00026	1.0	8	3	18	22	< 1
SA00053	2.0	6	1	17	7	< 1
SA00053A	3.0	9	4	9	16	< 1
SA00054	2.0	6	< 1	15	6	< 1
SA00056	48.5	10	4	28	42	< 1
SA00057	8.0	13	5	34	38	< 1
SA00058	4.5	8	4	31	28	< 1
SA00060	3.0	11	3	17	9	< 1
SA00061	1.5	12	4	19	5	< 1
SA00062	1.0	6	< 1	25	12	< 1
SA00063	<0.5	3	< 1	15	73	< 1
SA00064	<0.5	3	< 1	11	23	< 1
SA00065	3.0	7	2	24	13	< 1
SA00066	1.0	4	< 1	25	15	< 1
SA00067	<0.5	4	< 1	20	5	< 1
SA00068	<0.5	8	2	17	21	< 1
SA00069	21.0	5	< 1	64	39	< 1
SA00070	4.5	6	2	44	21	< 1

SIGNED :



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Page No. : 2 of 6

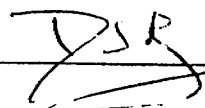
File No. : 2R1046

Date : JUN-25-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00072	<0.5	2	2	49	35	< 1
SA00074	9.5	7	2	40	20	< 1
SA00075	5.0	8	5	28	8	< 1
SA00076	<0.5	2	< 1	30	5	< 1
SA00077	0.5	4	3	49	40	< 1
SA00080	<0.5	1	< 1	8	10	< 1
SA00081	13.0	4	1	30	191	< 1
SA00082	1.0	3	< 1	42	54	< 1
SA00084	0.5	4	1	23	9	< 1
SA00085	2.5	6	< 1	45	18	< 1
SA00086	1.5	9	2	35	15	< 1
SA00087	0.5	5	< 1	28	20	< 1
SA00089	0.5	7	2	23	33	< 1
SA00089A	2.0	9	6	6	20	< 1
SA00090	<0.5	4	2	16	43	< 1
SA00091	1.0	6	2	19	47	< 1
SA00092	<0.5	2	< 1	20	24	< 1
SA00094	<0.5	6	1	49	7	< 1
SA00096	1.0	7	4	14	7	< 1
SA00097	<0.5	< 1	< 1	10	8	< 1
SA00098	<0.5	2	< 1	9	31	< 1
SA00099	3.0	4	< 1	19	18	< 1
SA00101	1.0	12	2	41	14	< 1
SA00102	6.0	7	3	21	3	< 1
SA00103	0.5	6	1	25	30	< 1
SA00107	1.5	5	3	18	29	< 1
SA00108	2.0	4	2	15	100	< 1
SA00109	2.5	6	< 1	28	123	< 1
SA00110	0.5	4	2	40	48	< 1
SA00112	<0.5	3	< 1	27	41	< 1
SA00113	2.5	5	1	20	25	< 1
SA00114	1.5	3	< 1	13	4	< 1
SA00115	1.0	4	< 1	25	10	< 1
SA00116	2.0	6	3	21	12	< 1
SA00117	0.5	5	2	22	2	< 1

SIGNED :



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REPORT No. : **R1046**

Page No. : 3 of 6

File No. : 2R1046

Date : JUN-25-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00118	2.0	9	4	25	39	< 1
SA00119	6.0	13	6	15	24	< 1
SA00120	1.0	9	2	25	19	< 1
SA00121	1.0	5	1	28	8	< 1
SA00122	8.5	10	4	20	26	< 1
SA00123	1.0	5	1	16	10	< 1
SA00124	2.0	5	2	26	12	< 1
SA00125	1.0	1	< 1	10	59	< 1
SA00126	1.0	4	1	38	60	< 1
SA00127	<0.5	3	1	40	24	< 1
SA00137	2.5	4	< 1	23	128	< 1
SA00138	3.0	6	1	20	73	< 1
SA00141A	2.5	9	5	1	22	< 1
SA00144	8.0	30	5	53	47	< 1
SA00148	0.5	4	1	43	36	< 1
SA00151	1.0	3	< 1	26	75	< 1
SA00155	4.5	1	2	29	54	< 1
SA00156	2.5	4	< 1	23	55	< 1
SA00157	<0.5	< 1	< 1	30	69	< 1
SA00160	7.0	3	1	43	39	< 1
SA00161	2.5	5	< 1	35	46	< 1
SA00162	<0.5	2	< 1	24	31	< 1
SA00163	<0.5	2	< 1	18	42	< 1
SA00164	<0.5	3	2	11	18	< 1
SA00165	<0.5	1	< 1	7	30	< 1
SA00167	1.0	5	3	12	36	< 1
SA00168	1.0	5	2	10	21	< 1
SA00169	4.5	5	2	17	11	< 1
SA00170	15.5	4	2	33	15	< 1
SA00171	3.5	2	1	16	13	< 1
SA00172	10.5	2	2	40	8	< 1
SA00173	7.5	4	2	20	16	< 1
SA00174	5.0	4	2	7	16	< 1
SA00175	<0.5	3	1	8	14	< 1
SA00401	2.0	2	< 1	17	22	< 1

SIGNED :



Laboraires TSL/ASSAYERS Laboratoires

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CLCONBRIDGE LTD.

ATTN: D. McLAUGHLIN
2R-1079-SG

REPORT No. : **R1079**

Page No. : 1 of 4

File No. : JY02MX

Date : JUL-03-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00181	1.5	4	7	9	32	< 1
SA00182	9.0	11	10	26	33	< 1
SA00183	4.0	8	10	26	19	< 1
SA00184	1.5	5	7	27	21	< 1
SA00185	3.0	4	3	30	15	< 1
SA00186	2.5	4	5	25	16	< 1
SA00187	1.0	2	3	16	13	< 1
SA00188	14	8	9	34	40	< 1
SA00189	8.5	1	3	38	54	< 1
SA00190	19	< 1	4	21	66	< 1
SA00191	3.5	4	6	18	32	< 1
SA00192	1.5	10	23	49	51	< 1
SA00193	1.0	5	5	21	36	< 1
SA00194	2.5	5	6	27	33	< 1
SA00195	2.5	8	9	12	37	< 1
SA00196	6.0	9	7	13	110	< 1
SA00197	8.0	5	6	36	96	< 1
SA00198	1.5	8	7	17	40	< 1
SA00199	4.0	9	8	7	47	< 1
SA00200	6.5	6	5	18	60	< 1
SA00205	21	6	7	7	43	< 1
SA00206	15	8	6	12	28	< 1
SA00207	2.5	7	7	25	41	< 1
SA00208	12	15	13	16	62	< 1
SA00209A	8.5	14	15	12	29	< 1
SA00209	9.5	11	8	15	12	< 1
SA00210	4.5	5	6	9	13	< 1
SA00211	3.0	6	8	16	11	< 1
SA00212	8.0	4	4	18	10	< 1
SA00213	13	3	7	13	30	< 1
SA00214	3.5	6	7	9	33	< 1
SA00215	0.5	3	4	12	35	< 1
SA00216	1.5	4	5	18	51	< 1
SA00217	<0.5	1	< 1	17	39	< 1
SA00218	1.0	2	3	25	30	< 1

SIGNED :



Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

FAX #: 819-797-4501

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ATTN: D. McLAUGHLIN

2R-1079-SG

PROJ:8219

REPORT No. : **R1079**

Page No. : 2 of 4

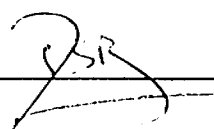
File No. : JY02MX

Date : JUL-03-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00219	6.5	3	4	6	86	< 1
SA00220	<0.5	< 1	< 1	20	16	< 1
SA00221	<0.5	2	3	26	21	< 1
SA00222	1.0	4	4	11	11	< 1
SA00223	0.5	2	5	12	13	< 1
SA00224	0.5	3	4	25	21	< 1
SA00225	<0.5	5	2	16	13	< 1
SA00226	<0.5	3	3	52	31	< 1
SA00227	0.5	1	< 1	18	17	< 1
SA00228	<0.5	4	1	39	59	< 1
SA00229	<0.5	2	< 1	28	17	< 1
SA00231	4.5	5	7	16	29	< 1
SA00237	2.0	5	6	17	17	< 1
SA00238	1.5	6	2	23	58	< 1
SA00239	1.5	5	5	25	34	< 1
SA00241	<0.5	5	5	51	23	< 1
SA00242	3.5	10	7	16	23	< 1
SA00245	2.0	7	8	35	30	< 1
SA00247	1.0	5	3	30	42	< 1
SA00248	1.0	3	4	28	76	< 1
SA00249	2.0	4	5	29	79	< 1
SA00250	1.5	5	3	31	450	< 1
SA00251	<0.5	3	2	28	82	< 1
SA00252	<0.5	3	6	19	26	< 1
SA00253	<0.5	5	4	18	24	< 1
SA00254	2.0	17	8	13	15	< 1
SA00255	1.5	5	3	17	41	< 1
SA00256	6.5	21	4	27	130	< 1
SA00269	1.0	5	2	17	32	< 1
SA00271	2.0	7	6	3	20	< 1
SA00272	2.5	6	4	17	26	< 1
SA00273	23	< 1	< 1	33	48	< 1
SA00274	2.0	3	1	27	18	< 1
SA00275	0.5	< 1	3	15	15	< 1
SA00276	<0.5	2	1	26	43	< 1

SIGNED :



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780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUÉBEC J9X 5C6

PHONE #: 819-797-4653

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I.C.A.P. ANALYSIS

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: D. McLAUGHLIN

2R-1079-SG

REPORT No. : R1079

Page No. : 3 of 4

File No. : JY02MX

Date : JUL-03-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00277	2.0	2	1	20	20	< 1
SA00280	2.0	7	3	16	59	< 1
SA00283	2.5	7	1	11	21	< 1
SA00285	2.5	8	3	27	50	< 1
SA00286	1.0	6	4	24	30	< 1
SA00581	2.0	4	2	12	33	< 1
SA00582	2.0	2	1	20	46	< 1
SA00583	1.5	< 1	< 1	26	56	< 1
SA00584	2.0	< 1	< 1	16	26	< 1
SA00585	<0.5	2	1	24	31	< 1
SA00586	5.0	2	< 1	30	60	< 1
SA00587	2.0	1	< 1	13	41	< 1
SA00588	1.0	2	< 1	23	52	< 1
SA00589	1.5	4	< 1	23	40	< 1
SA00590	3.5	4	2	18	38	< 1
SA00591	<0.5	3	< 1	19	33	< 1
SA00592	3.0	5	1	16	30	< 1
SA00593	0.5	4	< 1	5	26	< 1
SA00594	2.0	6	2	7	21	< 1
SA00595	1.5	6	2	17	23	< 1
SA00596	1.0	6	1	12	37	< 1
SA00597	3.0	6	2	26	21	< 1
SA00598	4.5	7	4	31	44	< 1
SA00599	7.5	10	5	16	36	< 1
SA00600	2.5	6	1	15	50	< 1
SA00601A	3.0	14	3	16	67	< 1
SA00601	2.0	9	1	20	120	< 1
SA00623	3.5	9	3	19	34	< 1
SA00624	8.5	18	5	24	73	< 1
SA00625	4.0	6	2	21	62	< 1
SA00626	0.5	3	< 1	13	29	< 1
SA00627	3.0	2	2	11	58	< 1
SA00628	1.5	< 1	2	23	55	< 1
SA00629	<0.5	2	< 1	20	48	< 1
SA00630	1.5	1	< 1	20	30	< 1

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780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

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I.C.A.P. ANALYSIS

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ATTN: D. McLAUGHLIN

2R-1077-SG

REPORT No. : R1077

Page No. : 1 of 4

File No. : JY01MX

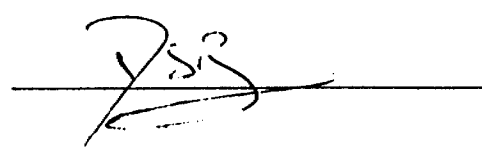
Date : JUL-01-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co PPM	Cu PPM	Ni PPM	Pb PPM	Zn PPM	Ag PPM
SA00602	4.5	9	5	26	28	< 1
SA00603	7.0	7	4	20	43	< 1
SA00604	0.5	5	< 1	18	27	< 1
SA00605	<0.5	3	< 1	13	9	< 1
SA00606	1.5	6	1	25	66	< 1
SA00607	<0.5	3	< 1	19	39	< 1
SA00608	<0.5	4	< 1	13	62	< 1
SA00609	1.0	8	2	11	29	< 1
SA00610	0.5	6	< 1	23	28	< 1
SA00611	1.5	5	1	21	39	< 1
SA00612	3.0	4	1	27	48	< 1
SA00613	<0.5	3	< 1	23	38	< 1
SA00614	<0.5	4	< 1	33	72	< 1
SA00615	<0.5	3	1	43	55	< 1
SA00616	0.5	2	< 1	20	18	< 1
SA00617	0.5	4	< 1	38	37	< 1
SA00618	<0.5	5	< 1	23	36	< 1
SA00619	20	6	3	32	11	< 1
SA00620	<0.5	5	< 1	46	27	< 1
SA00621	<0.5	3	< 1	35	67	< 1
SA00622	5.0	5	3	25	44	< 1
SA00638	<0.5	4	< 1	12	7	< 1
SA00639	1.5	2	< 1	21	42	< 1
SA00640	0.5	2	1	26	41	< 1
SA00641	5.0	5	3	18	44	< 1
SA00642	1.0	2	1	18	22	< 1
SA00643	0.5	5	4	30	33	< 1
SA00644	0.5	3	< 1	16	31	< 1
SA00645	1.5	7	2	15	31	< 1
SA00646	3.5	6	2	25	43	< 1
SA00647	<0.5	3	< 1	24	43	< 1
SA00648	2.0	2	< 1	13	16	< 1
SA00649	2.0	4	< 1	10	13	< 1
SA00650	2.0	2	< 1	13	10	< 1
SA00651	1.5	6	1	14	18	< 1

SIGNED :



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I.C.A.P. ANALYSIS

CONBRIDGE LTD.

ATTN: D. McLAUGHLIN

2R-1077-SG

REPORT No. : **R1077**

Page No. : 4 of 4

File No. : JY01MX

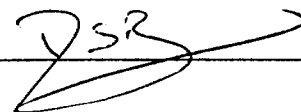
Date : JUL-01-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co PPM	Cu PPM	Ni PPM	Pb PPM	Zn PPM	Ag PPM
SA00309	2.0	4	3	42	61	< 1
SA00312	1.0	4	2	39	130	< 1
SA00313	2.5	2	3	24	130	< 1
SA00314	2.5	4	7	30	93	< 1

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780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

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I.C.A.P. ANALYSIS

CONBRIDGE TIMMINS

2R-1046-SG

ATTN: D. MCLAUGHLIN

PROJ:8219

REPORT No. : **R1046**

Page No. : 4 of 6

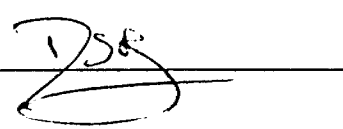
File No. : 2R1046

Date : JUN-25-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00402	3.5	2	1	14	17	< 1
SA00403	1.5	3	1	18	5	< 1
SA00407	1.0	3	1	10	5	< 1
SA00408	1.0	5	5	15	5	< 1
SA00409	1.5	3	3	18	10	< 1
SA00410	1.5	7	8	22	38	< 1
SA00411	2.5	5	19	17	9	< 1
SA00412	0.5	1	3	31	14	< 1
SA00413	0.5	3	2	25	7	< 1
SA00414	1.0	4	1	21	16	< 1
SA00415	<0.5	1	< 1	22	18	< 1
SA00417	<0.5	3	2	27	13	< 1
SA00418	<0.5	4	< 1	25	10	< 1
SA00420	0.5	4	2	23	21	< 1
SA00421	<0.5	2	< 1	12	11	< 1
SA00423	2.5	4	3	23	23	< 1
SA00423A	1.5	5	5	< 1	13	< 1
SA00424A	2.0	5	3	20	38	< 1
SA00424B	1.5	6	2	18	44	< 1
SA00425	4.0	4	2	26	13	< 1
SA00454	1.0	2	< 1	15	11	< 1
SA00457	2.0	4	2	8	14	< 1
SA00458	3.0	6	2	29	15	< 1
SA00459	41.5	< 1	4	46	21	< 1
SA00460	4.0	15	7	11	26	< 1
SA00461	2.0	5	2	8	12	< 1
SA00462	3.0	4	2	22	40	< 1
SA00463	8.5	3	2	25	29	< 1
SA00464	5.5	6	3	13	15	< 1
SA00465	<0.5	2	2	10	7	< 1
SA00466	4.5	5	4	19	72	< 1
SA00467	2.0	5	5	22	13	< 1
SA00468	<0.5	3	2	41	25	< 1
SA00469	2.5	8	4	49	35	< 1
SA00470	1.0	4	2	24	8	< 1

SIGNED :



Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

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I.C.A.P. ANALYSIS

CONBRIDGE TIMMINS

2R-1046-SG

ATTN: D. MCLAUGHLIN

REPORT No. : R1046

Page No. : 5 of 6

File No. : 2R1046

Date : JUN-25-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00472	0.5	3	< 1	21	14	< 1
SA00478	5.0	6	4	18	55	< 1
SA00509	15.0	< 1	2	29	67	< 1
SA00510	2.0	49	11	8	136	< 1
SA00513	1.0	5	2	23	55	< 1
SA00514	10.0	4	3	14	64	< 1
SA00516	0.5	2	< 1	15	30	< 1
SA00517	17.5	3	1	21	16	< 1
SA00519	2.5	8	3	10	26	< 1
SA00520	1.0	7	3	11	19	< 1
SA00521	0.5	3	1	< 1	13	< 1
SA00522	4.0	2	1	16	17	< 1
SA00523	4.0	1	< 1	16	11	< 1
SA00525	5.5	7	6	14	17	< 1
SA00526	3.5	8	7	13	52	< 1
SA00527	1.5	11	4	7	19	< 1
SA00531	<0.5	1	< 1	8	29	< 1
SA00532	<0.5	< 1	< 1	9	15	< 1
SA00538	0.5	3	< 1	34	36	< 1
SA00540	1.0	2	< 1	28	15	< 1
SA00541	2.5	< 1	1	32	37	< 1
SA00542	1.0	2	< 1	26	40	< 1
SA00543A	2.5	6	5	< 1	17	< 1
SA00545	1.0	4	< 1	17	11	< 1
SA00546	<0.5	2	< 1	38	36	< 1
SA00549	0.5	1	< 1	12	74	< 1
SA00550	<0.5	2	2	18	27	< 1
SA00556	<0.5	< 1	< 1	12	13	< 1
SA00558	<0.5	< 1	< 1	6	20	< 1
SA00560	<0.5	6	2	8	35	< 1
SA00561	<0.5	2	< 1	30	45	< 1
SA00562	3.5	1	< 1	29	87	< 1
SA00563	<0.5	2	1	33	49	< 1
SA00564	2.5	2	1	27	49	< 1
SA00565	<0.5	< 1	< 1	29	45	< 1

SIGNED :



Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

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I.C.A.P. ANALYSIS

CONBRIDGE TIMMINS

2046-SG

ATTN: D. MCLAUGHLIN

PROJ:8219

REPORT No. : **R1046**

Page No. : 6 of 6

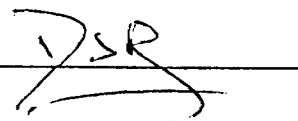
File No. : 2R1046

Date : JUN-25-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00566	2.0	< 1	< 1	30	48	< 1
SA00567	<0.5	< 1	1	3	50	< 1
SA00568	<0.5	3	< 1	13	19	< 1
SA00569	<0.5	3	1	3	29	< 1
SA00570	<0.5	< 1	2	2	16	< 1
SA00571	<0.5	4	1	13	48	< 1
SA00572	<0.5	4	< 1	9	13	< 1
SA00573	7.0	3	2	2	27	< 1
SA00574	8.0	4	< 1	29	12	< 1
SA00575	<0.5	1	< 1	< 1	< 1	< 1
SA00576	1.0	1	< 1	20	19	< 1
SA00577	0.5	3	< 1	5	8	< 1
SA00578	1.0	2	1	< 1	8	< 1
SA00579	1.5	3	4	< 1	8	< 1
SA00580	2.0	6	2	11	16	< 1
SA00580A	1.0	5	5	< 1	9	< 1

SIGNED :



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780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

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I.C.A.P. ANALYSIS

CONBRIDGE LTD.

ATTN: D. McLAUGHLIN

2R-1079-SG

REPORT No. : **R1079**

Page No. : 4 of 4

File No. : JY02MX

Date : JUL-03-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA00631	<0.5	3	< 1	26	44	< 1
SA00632	4.5	4	3	19	31	< 1
SA00633	0.5	2	< 1	31	18	< 1
SA00634	1.0	1	< 1	24	16	< 1
SA00635	3.5	5	< 1	17	24	< 1
SA00636	1.5	7	5	11	21	< 1

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780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

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I.C.A.P. ANALYSIS

CONBRIDGE LTD.

ATTN: D. McLAUGHLIN

2R-1077-SG

REPORT No. : **R1077**

Page No. : 2 of 4

File No. : JY01MX

Date : JUL-01-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co PPM	Cu PPM	Ni PPM	Pb PPM	Zn PPM	Ag PPM
SA00653	0.5	2	< 1	14	43	< 1
SA00660	3.0	5	< 1	8	13	< 1
SA00661	<0.5	4	< 1	42	50	< 1
SA00662	<0.5	< 1	< 1	16	35	< 1
SA00663	<0.5	2	< 1	34	36	< 1
SA00664	2.5	6	1	37	47	< 1
SA00665	1.0	12	7	27	51	< 1
SA00666	1.0	5	1	56	77	< 1
SA00667	2.0	7	5	34	62	< 1
SA00668	0.5	1	< 1	16	26	< 1
SA00669	3.0	5	1	10	31	< 1
SA00670	2.5	4	2	18	32	< 1
SA00671	3.0	6	4	11	31	< 1
SA00672	1.5	3	5	16	31	< 1
SA00673	1.0	3	2	17	47	< 1
SA00674	1.5	7	26	10	32	< 1
SA00675	33	26	17	26	59	< 1
SA00676A	4.5	7	4	2	14	< 1
SA00676	3.5	4	1	31	37	< 1
SA00677	<0.5	< 1	< 1	20	45	< 1
SA00678	2.5	5	< 1	30	36	< 1
SA00679	1.0	3	< 1	20	35	< 1
SA00680	<0.5	5	1	10	21	< 1
SA00681	<0.5	1	< 1	27	8	< 1
SA00682	<0.5	3	< 1	17	30	< 1
SA00683	3.0	5	1	15	35	< 1
SA00684	3.5	6	1	12	25	< 1
SA00685	<0.5	3	1	18	34	< 1
SA00686	<0.5	4	< 1	28	42	< 1
SA00687	0.5	3	1	32	15	< 1
SA00688	<0.5	2	< 1	25	22	< 1
SA00689	1.0	9	1	14	30	< 1
SA00690	5.0	7	2	31	53	< 1
SA00691	<0.5	2	< 1	9	23	< 1
SA00692	2.0	6	21	11	9	< 1

SIGNED :

Laboratoires TSL/ASSAYERS Laboratoires

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CONBRIDGE LTD.

ATTN: D. McLAUGHLIN
2R-1077-SG

REPORT No. : **R1077**

Page No. : 3 of 4

File No. : JY01MX


Date : JUL-01-1992

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co PPM	Cu PPM	Ni PPM	Pb PPM	Zn PPM	Ag PPM
SA00693	<0.5	5	5	25	11	< 1
SA00694	9.0	4	3	31	49	< 1
SA00695	15	4	10	36	88	< 1
SA00696	6.5	3	39	12	18	< 1
SA00697	1.5	5	4	49	14	< 1
SA00698	<0.5	10	6	24	40	< 1
SA00700	1.0	5	3	48	170	< 1
SA00702	<0.5	7	1	46	42	< 1
SA00703	<0.5	12	2	22	72	< 1
SA00704	<0.5	4	2	35	110	< 1
SA00705	1.0	4	1	40	64	< 1
SA00706	<0.5	1	< 1	23	35	< 1
SA00707	<0.5	1	2	27	37	< 1
SA00708	<0.5	3	1	43	65	< 1
SA00711	1.5	5	2	47	120	< 1
SA00287	0.5	13	2	38	30	< 1
SA00288	1.0	5	1	35	110	< 1
SA00290	<0.5	1	< 1	8	22	< 1
SA00291	2.5	3	< 1	12	23	< 1
SA00292	1.0	3	1	15	20	< 1
SA00293	3.0	8	3	27	150	< 1
SA00294	2.0	6	4	33	270	< 1
SA00295	3.0	9	7	40	350	< 1
SA00296	1.5	6	3	46	310	< 1
SA00297	1.0	5	6	29	150	< 1
SA00298	0.5	3	3	25	180	< 1
SA00299	2.5	5	3	35	190	< 1
SA00301	0.5	2	2	32	69	< 1
SA00302	2.5	4	8	36	88	< 1
SA00303	1.5	13	10	42	74	< 1
SA00304	1.5	6	5	15	43	< 1
SA00305	1.5	7	7	39	37	< 1
SA00306	<0.5	5	3	27	48	< 1
SA00307	2.0	2	1	27	69	< 1
SA00308	11	6	3	18	38	< 1

SIGNED :



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PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CONBRIDGE LTD

TIMMINS

2R-1486-SA1

ATTN: D. McLAUGHLIN

PROJ.: 8219

REPORT No. : **R1486**

Page No. : 1 of 4

File No. : A1

Date : OCT-04-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA03735	1.0	< 1	2	8	4	< 1
SA03736	1.0	< 1	1	9	6	< 1
SA03737	1.0	< 1	< 1	9	9	< 1
SA03738	<0.5	< 1	< 1	5	3	< 1
SA03739	0.5	< 1	1	9	7	< 1
SA03850	1.0	< 1	1	3	3	< 1
SA06201	<0.5	< 1	2	10	4	< 1
SA06202	1.5	1	2	5	5	< 1
SA06203	2.0	< 1	4	7	12	< 1
SA06204	1.0	< 1	2	7	13	< 1
SA06205	1.0	< 1	2	7	15	< 1
SA06206	1.5	2	< 1	5	14	< 1
SA06207	1.5	< 1	2	6	8	< 1
SA06208	1.0	2	1	7	5	< 1
SA06209	0.5	< 1	2	7	5	< 1
SA06210	1.0	< 1	1	8	5	< 1
SA06211	1.5	< 1	2	5	20	< 1
SA06212	1.0	< 1	2	8	16	< 1
SA06213	1.0	< 1	1	4	4	< 1
SA06214	1.0	< 1	2	5	5	< 1
SA06215	1.0	< 1	2	8	5	< 1
SA06216	1.0	4	1	7	7	< 1
SA06217	1.5	3	1	7	4	< 1
SA06218	1.0	9	1	4	4	< 1
SA06219	1.0	< 1	1	5	6	< 1
SA06220	<0.5	< 1	2	7	5	< 1
SA06221	0.5	< 1	2	7	6	< 1
SA06222	<0.5	< 1	< 1	6	6	< 1
SA06223	1.0	2	2	6	12	< 1
SA06224	1.5	2	1	6	6	< 1
SA06225	1.5	< 1	2	7	9	< 1
SA06226	1.0	< 1	2	3	24	< 1
SA06227	2.0	< 1	3	6	15	< 1
SA06228	1.0	< 1	1	2	6	< 1
SA06229	1.0	1	2	7	7	< 1

SIGNED :

D. P. Laugel

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PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CONBRIDGE LTD
TIMMINS

REPORT No. : R1452

Page No. : 1 of 2

File No. : SE03MZ

Date : SEP-09-1992

2R-1452-SA1-2

PROJ:8219

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
3A06001	3.5	9	6	29	61	< 1
3A06002	<0.5	3	1	11	41	< 1
3A06003	2.0	6	1	27	46	< 1
3A06004	4.0	5	2	20	66	< 1
3A06005	1.0	5	2	24	51	< 1
3A06006	2.5	9	6	35	66	< 1
3A06007	2.5	5	3	30	63	< 1
3A06008	<0.5	3	< 1	25	65	< 1
3A06009	0.5	6	2	18	47	< 1
3A06010	<0.5	6	4	12	65	< 1
3A06011	0.5	4	3	20	104	< 1
3A06012	1.5	5	4	32	48	< 1
3A06013	1.0	3	3	35	52	< 1
3A06014	5.0	5	4	56	461	< 1
3A06015	1.0	6	3	68	186	< 1
3A06016	8.0	8	4	54	248	< 1
3A06017	1.5	4	2	49	424	< 1
3A06018	1.0	3	2	83	341	< 1
3A06019	1.5	4	2	66	152	< 1
3A06020	1.0	4	< 1	102	187	< 1
3A06021	1.0	6	2	112	261	< 1
3A06022	3.0	5	2	30	77	< 1
3A06023	1.5	6	4	25	71	< 1
3A06024	<0.5	1	< 1	12	63	< 1
3A06025	1.0	4	7	38	73	< 1
3A06026	1.5	6	9	53	128	< 1
3A06027	<0.5	4	1	51	135	< 1
3A06028	<0.5	5	2	49	141	< 1
3A06029	1.5	6	4	26	73	< 1
3A06030	3.5	8	17	53	75	< 1
3A06031	1.0	2	2	10	12	< 1
3A06031**Na	32.0	6	32	51	73	< 1
3A06032	2.5	8	13	21	60	< 1
3A06033	1.0	14	4	17	54	< 1
3A06034	4.5	8	3	38	66	< 1

SIGNED :

M. P. [Signature]

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780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

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I.C.A.P. ANALYSIS

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TIMMINS

2R-1452-SA1-2

PROJ:8219

REPORT No. : R1452

Page No. : 2 of 2

File No. : SE03MZ

Date : SEP-09-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA06035	12.5	17	5	44	56	< 1
SA06036	12.0	16	4	51	94	< 1
SA06037	1.0	5	4	26	78	< 1
SA06038	1.0	4	10	18	72	< 1
SA06039	<0.5	4	17	14	71	< 1
SA06040	0.5	6	2	25	62	< 1
SA06041	5.5	7	17	36	54	< 1
SA06042	16.5	3	50	43	148	< 1
SA06043	2.5	7	5	41	79	< 1
SA06044	1.0	9	3	59	97	< 1
SA06045	0.5	5	2	59	214	< 1
SA06046	<0.5	4	2	75	120	< 1
SA06047	1.5	3	10	39	73	< 1
SA06048	0.5	5	2	74	89	< 1
SA06049	0.5	3	2	46	84	< 1
SA06050	0.5	5	2	34	63	< 1
SA06051	<0.5	2	1	24	52	< 1
SA06052	1.5	8	4	36	65	< 1
SA06053	6.5	6	4	29	123	< 1
SA06054	2.0	5	5	25	134	< 1
SA06055	1.0	3	4	27	75	< 1

SIGNED : *Antoine*

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TIMMINS

2R-1452-SA2-3

REPORT No. : **H1452**

Page No. : 1 of 1

File No. : SE08MZ

Date : SEP-10-1992

PROJ. : 8219

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA06056	2.0	3	8	44	98	< 1
SA06057	2.0	6	12	30	63	< 1
SA06058 NO SAM.	<0.5	< 1	< 1	< 1	< 1	< 1
SA06059	10.0	4	2	22	90	< 1
SA06060	5.0	6	5	21	52	< 1
SA06061	2.0	3	7	23	58	< 1
SA06062	1.5	5	5	60	79	< 1
SA06063	2.0	5	7	46	86	< 1
SA06064	3.5	5	7	94	107	< 1
SA06065	1.0	6	3	44	71	< 1
SA06066	8.0	10	7	19	63	< 1
SA06067	1.5	6	4	30	79	< 1
SA06068	5.0	5	8	11	109	< 1
SA06069	4.0	5	6	7	66	< 1
SA06070	7.0	8	7	23	77	< 1
SA06071	1.5	8	8	49	198	< 1
SA06072	0.5	3	7	55	131	< 1
SA06073	1.5	4	3	58	177	< 1
SA06074	0.5	4	3	35	128	< 1
SA06075	9.5	8	7	52	66	< 1
SA06076	4.0	5	2	30	116	< 1
SA06077	<0.5	2	2	22	82	< 1
SA06078	2.0	5	3	24	93	< 1
SA06079	2.0	2	3	20	126	< 1
SA06080	0.5	2	2	35	79	< 1
SA06081	1.0	7	5	31	205	< 1
SA06082	0.5	3	2	20	71	< 1

SIGNED :

[Handwritten Signature]

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CONBRIDGE LTD

TAMMINS

2R-1487-SA1

ATTN: D.McLAUGHLIN
8219

REPORT No. : **R1487**

Page No. : 1 of 1

File No. : SE25M2

Date : SEP-29-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA06058	0.5	13	< 1	8	8	< 1
SA06083	1.5	5	2	29	35	< 1
SA06084	1.5	4	3	37	59	< 1
SA06085	1.0	5	3	84	101	< 1
SA06086	1.0	28	13	17	87	< 1
SA06087	<0.5	2	< 1	7	52	< 1
SA06088	1.0	4	< 1	12	49	< 1
SA06089	3.5	4	3	12	13	< 1
SA06090	1.5	3	1	7	11	< 1
SA06091	1.0	< 1	< 1	8	27	< 1
SA06092	1.0	2	1	21	23	< 1
SA06093	5.5	2	2	36	68	< 1
SA06094	<0.5	2	< 1	39	41	< 1
SA06095	6.0	7	5	21	19	< 1
SA06096	31.5	8	6	21	81	< 1
SA06097	17.0	8	4	19	33	< 1
SA06098	3.5	5	3	27	26	< 1
SA06099	1.5	4	2	26	10	< 1
SA06100	1.0	15	2	7	12	< 1
SA06101	9.0	9	4	19	16	< 1
SA06102	4.0	5	1	37	41	< 1
SA06103	16.0	6	2	30	42	< 1
SA06104	4.0	9	3	29	20	< 1
SA06105	1.5	6	5	27	5	< 1
SA06106	3.0	5	2	24	80	< 1
SA06107	0.5	2	< 1	32	28	< 1
SA06108	1.0	4	5	58	51	< 1
SA06109	1.0	4	1	34	30	< 1
SA06110	29.0	9	3	41	31	< 1
SA06111	15.5	4	3	43	19	< 1
SA06112	1.5	4	< 1	59	45	< 1
SA06113	1.5	5	4	17	30	< 1
SA06114	6.0	7	5	23	25	< 1
SA06115	0.5	3	< 1	40	18	< 1
SA06116	3.0	2	2	36	55	< 1

SIGNED :

[Handwritten Signature]

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CONBRIDGE LTD

TIMMINS

2R-1486-SA1

ATTN: D. McLAUGHLIN

PROJ.: 8219

REPORT No. : **R1486**

Page No. : 2 of 4

File No. : A1

Date : OCT-04-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA06230	1.0	< 1	1	6	5	< 1
SA06231	1.0	< 1	1	5	4	< 1
SA06232	<0.5	< 1	2	7	8	< 1
SA06233	0.5	< 1	1	6	8	< 1
SA06234	0.5	< 1	1	4	9	< 1
SA06235	1.0	< 1	1	5	4	< 1
SA06236	0.5	< 1	6	7	5	< 1
SA06237	1.0	< 1	2	5	5	< 1
SA06238	1.0	< 1	2	3	3	< 1
SA06239	1.5	< 1	< 1	4	4	< 1
SA06240	1.5	< 1	2	5	3	< 1
SA06241	1.0	< 1	< 1	7	3	< 1
SA06242	0.5	< 1	< 1	6	3	< 1
SA06243	0.5	< 1	1	5	4	< 1
SA06244	1.0	1	< 1	4	4	< 1
SA06245	1.0	2	< 1	5	4	< 1
SA06246	3.0	4	4	5	6	< 1
SA06247	5.5	20	2	18	13	< 1
SA06248	1.0	< 1	2	6	4	< 1
SA06249	1.0	< 1	4	9	9	< 1
SA06250	1.0	2	1	4	3	< 1
SA06251	2.0	3	2	9	5	< 1
SA06252	1.0	2	1	3	4	3
SA06253	2.0	2	< 1	6	4	2
SA06254	1.0	1	< 1	4	7	< 1
SA06255	1.0	< 1	1	2	2	< 1
SA06256	1.0	1	1	4	5	< 1
SA06257	1.0	< 1	1	8	5	< 1
SA06258	1.0	< 1	< 1	8	4	< 1
SA06259	1.0	< 1	1	6	10	< 1
SA06260	1.5	< 1	2	7	5	< 1
SA06261	1.0	< 1	1	3	2	1
SA06262	1.0	< 1	2	6	4	< 1
SA06263	1.0	< 1	1	7	7	< 1
SA06264	1.5	< 1	2	7	6	< 1

SIGNED :

W.P.

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CONBRIDGE LTD

TIMMINS
2R-1486-SA1
ATTN: D. McLAUGHLIN
PROJ.: 8219

REPORT No. : R1486

Page No. : 3 of 4

File No. : A1

Date : OCT-04-1992

ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA06265	1.0	2	3	6	13	< 1
SA06266	1.5	1	< 1	4	3	< 1
SA06267	1.0	< 1	1	6	4	< 1
SA06268	1.0	3	2	7	7	1
SA06273	1.0	< 1	< 1	11	13	< 1
SA06274	0.5	< 1	1	6	5	< 1
SA06275	1.0	< 1	4	8	10	< 1
SA06276	1.0	1	2	7	3	< 1
SA06277	1.0	< 1	1	5	3	< 1
SA06278	1.0	2	1	6	4	< 1
SA06279	1.0	3	< 1	4	4	< 1
SA06280	0.5	< 1	2	7	3	< 1
SA06281	1.0	< 1	2	8	3	< 1
SA06285	1.0	< 1	1	4	3	< 1
SA06286	1.5	2	1	6	3	< 1
SA06287	1.0	< 1	1	5	5	< 1
SA06288	1.5	2	1	4	3	2
SA06289	1.0	2	1	7	3	< 1
SA06290	1.5	< 1	< 1	6	7	< 1
SA06291	1.0	< 1	1	4	5	< 1
SA06293	1.0	5	2	3	4	< 1
SA06294	1.0	< 1	2	7	4	< 1
SA06295	<0.5	< 1	1	8	3	< 1
SA06300	5.5	19	2	16	12	< 1
SA06303	1.0	2	2	6	3	< 1
SA06304	1.0	1	< 1	4	3	< 1
SA06305	1.0	2	1	5	2	< 1
SA06306	1.5	< 1	2	8	2	< 1
SA06307	1.0	< 1	1	6	8	< 1
SA06311	0.5	< 1	1	5	4	< 1
SA06312	1.0	1	1	2	4	< 1
SA06313	0.5	2	1	8	5	< 1
SA06314	1.0	1	< 1	2	4	< 1
SA06315	0.5	2	2	1	5	< 1
SA06316	1.0	1	< 1	6	3	< 1

SIGNED : W. Parise

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 ROUYN-NORANDA QUEBEC J9X 5C6

PHONE #: 819-797-4653

FAX #: 819-797-4501

I.C.A.P. ANALYSIS

CONBRIDGE LTD
TIMMINS
2R-1486-SA1
ATTN: D. McLAUGHLIN
PROJ.: 8219

REPORT No. : R1486
Page No. : 4 of 4
File No. : A1
Date : OCT-04-1992

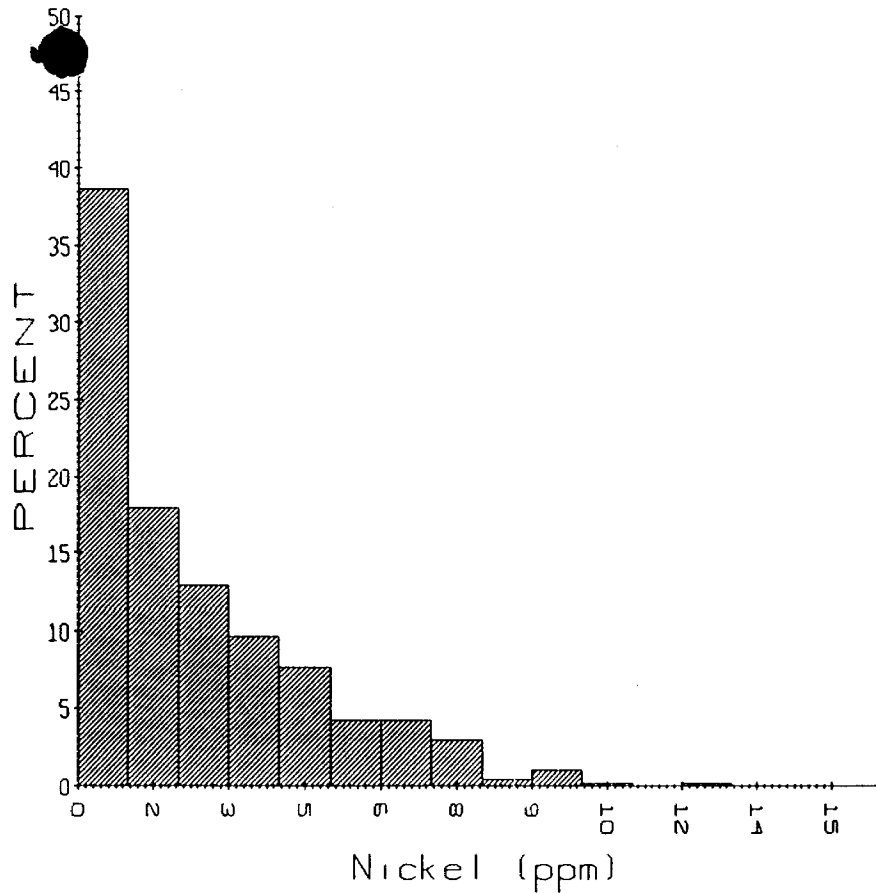
ALL RESULTS PPM

SAMPLE #	Co ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm	Ag ppm
SA06317	1.0	< 1	2	8	3	< 1
SA06318	<0.5	< 1	< 1	4	2	< 1
SA06319	0.5	1	< 1	5	4	< 1
SA06320	1.0	2	2	2	5	< 1
SA06321	1.0	2	1	4	4	< 1
SA06322	1.0	1	1	2	3	< 1
SA06323	1.0	2	1	2	4	< 1
SA06324	1.0	2	< 1	1	4	< 1
SA06325	0.5	< 1	3	6	3	< 1
SA06326	0.5	1	2	10	4	< 1
SA06327	0.5	2	1	5	3	< 1
SA06329	0.5	2	< 1	3	2	< 1
SA06330	0.5	< 1	2	8	3	< 1
SA06331	<0.5	< 1	2	5	4	< 1
SA06334	1.5	< 1	2	< 1	4	< 1
SA06335	1.0	< 1	1	7	3	< 1
SA06337	<0.5	< 1	< 1	3	2	< 1
SA06338	0.5	< 1	2	7	3	< 1
SA06339	0.5	< 1	< 1	4	2	< 1
SA06340	0.5	1	< 1	4	3	< 1
SA06341	2.0	3	2	5	5	< 1
SA06342	2.0	2	2	3	3	< 1
SA06343	2.5	2	3	6	4	< 1
SA06344	2.5	2	3	4	4	< 1
SA06345	2.5	2	2	6	4	< 1

SIGNED : W. Pass

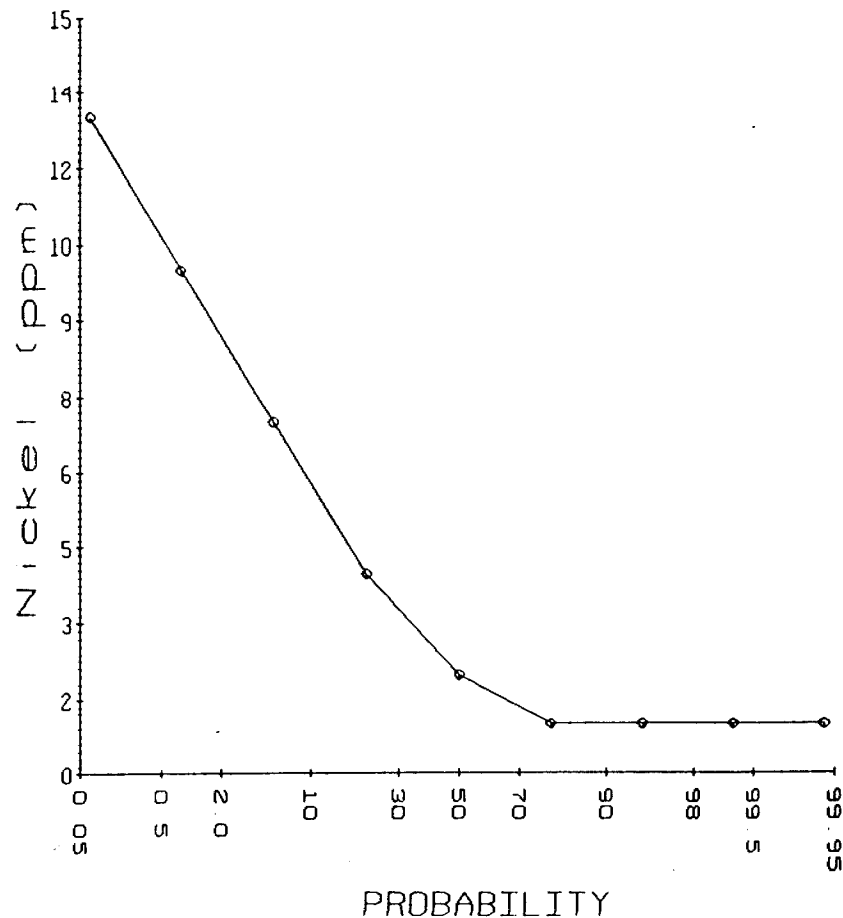
APPENDIX B
STATISTICAL ANALYZES

Ken Ext Humus



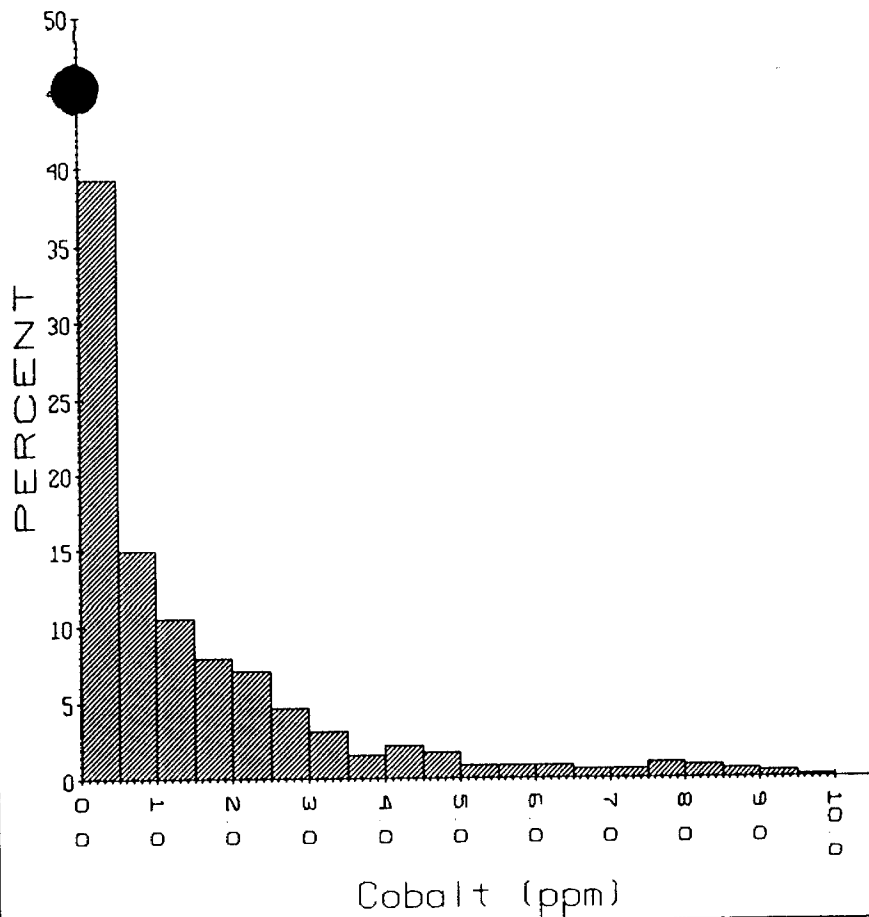
Statistical Summary	
Original number of samples	480
Samples removed by filter	6
Samples left after filtering	474
Samples greater than zero	474
Minimum sample value	1.000
Maximum value	13.000
Mean	2.878
Standard Deviation	2.220
Standard Error of Mean	0.102
Median	7.000
Geometric Mean	2.194
Geometric Standard Deviation	2.077
Skewness	1.328
Kurtosis	4.437
Sum of samples	1364.000
Sum of samples > 0.0	1364.000

Ken Ext Humus



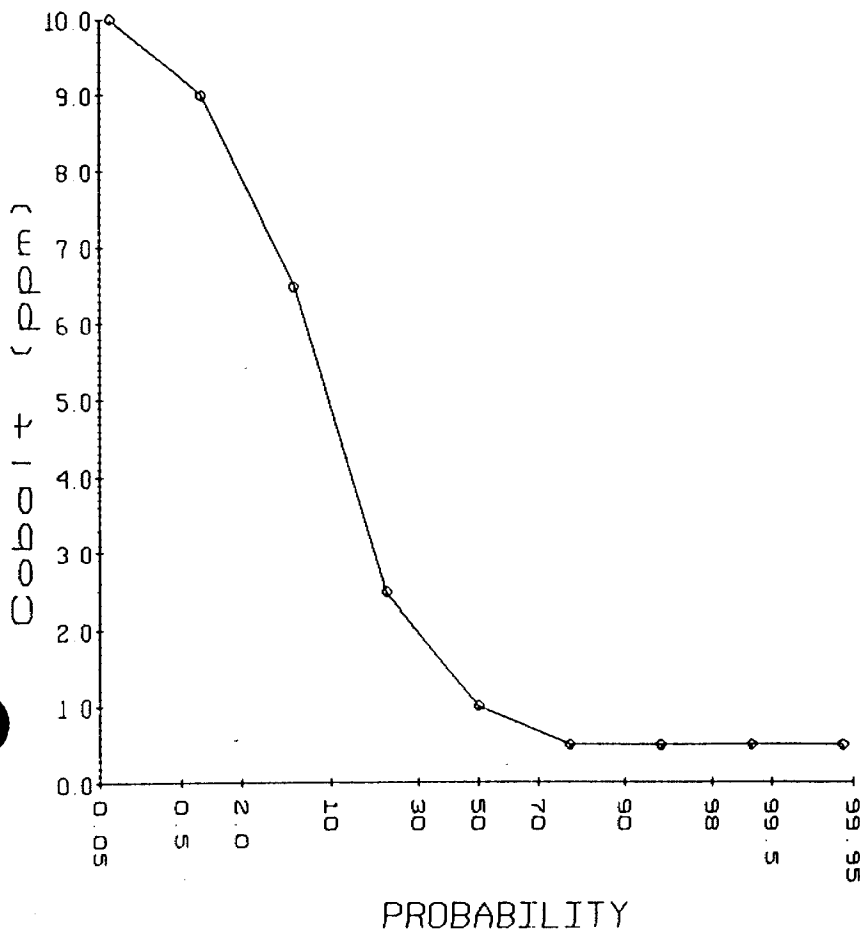
Statistical Summary	
Original number of samples	480
Samples removed by filter	6
Samples left after filtering	474
Samples greater than zero	474
Minimum sample value	1.000
Maximum value	13.000
Mean	2.878
Standard Deviation	2.220
Standard Error of Mean	0.102
Median	7.000
Geometric Mean	2.194
Geometric Standard Deviation	2.077
Skewness	1.328
Kurtosis	4.437
Sum of samples	1364.000
Sum of samples > 0.0	1364.000

Ken. Ext. Humus



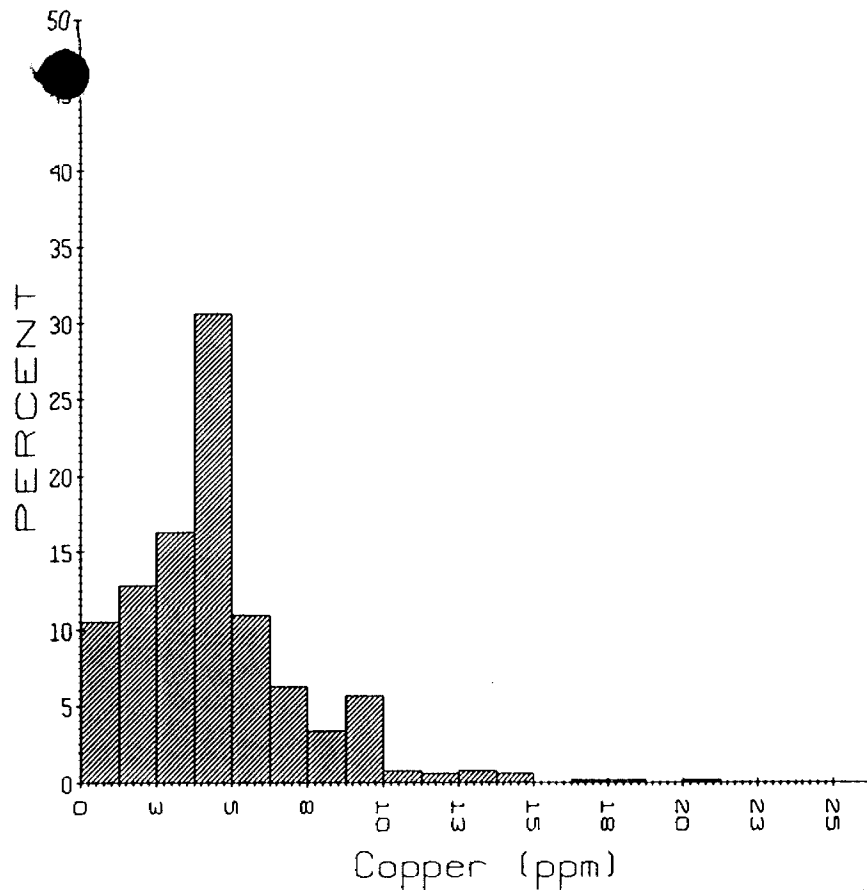
Statistical Summary	
Original number of samples	480
Samples removed by filter	24
Samples left after filtering	456
Samples greater than zero	456
Minimum sample value	0.500
Maximum value	10.000
Mean	1.868
Standard Deviation	1.950
Standard Error of Mean	0.091
Median	5.250
Geometric Mean	1.228
Geometric Standard Deviation	2.418
Skewness	1.997
Kurtosis	6.798
Sum of samples	852.000
Sum of samples > 0.0	852.000

Ken Ext Humus



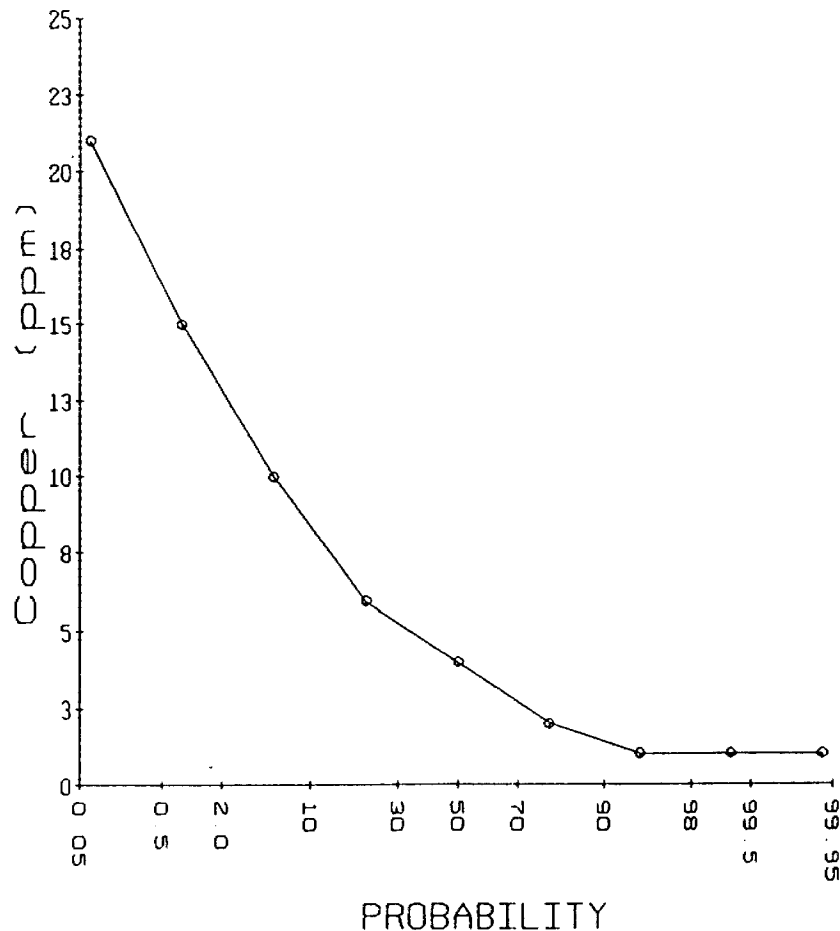
Statistical Summary	
Original number of samples	480
Samples removed by filter	24
Samples left after filtering	456
Samples greater than zero	456
Minimum sample value	0.500
Maximum value	10.000
Mean	1.868
Standard Deviation	1.950
Standard Error of Mean	0.091
Median	5.250
Geometric Mean	1.228
Geometric Standard Deviation	2.418
Skewness	1.997
Kurtosis	6.798
Sum of samples	852.000
Sum of samples > 0.0	852.000

Ken Ext Humus



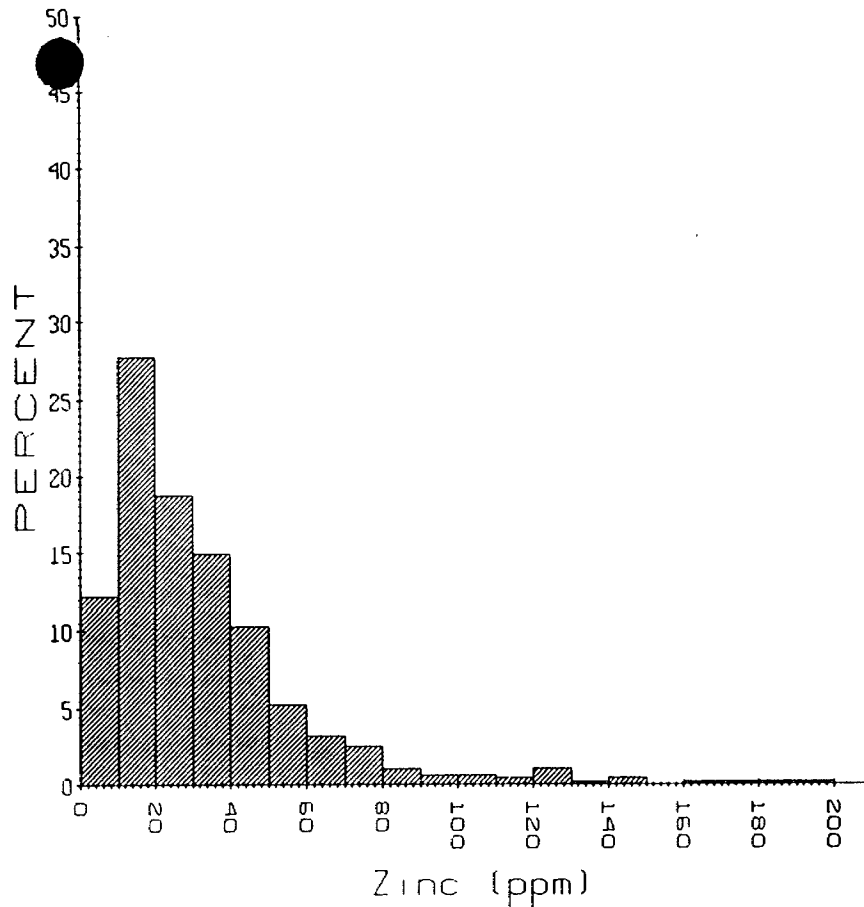
Original number of samples	480
Samples removed by filter	3
Samples left after filtering	477
Samples greater than zero	477
Minimum sample value	1.000
Maximum value	21.000
Mean	4.591
Standard Deviation	2.869
Standard Error of Mean	0.131
Median	11.000
Geometric Mean	3.778
Geometric Standard Deviation	1.925
Skewness	1.540
Kurtosis	7.118
Sum of samples	2190.000
Sum of samples > 0.0	2190.000

Ken Ext Humus



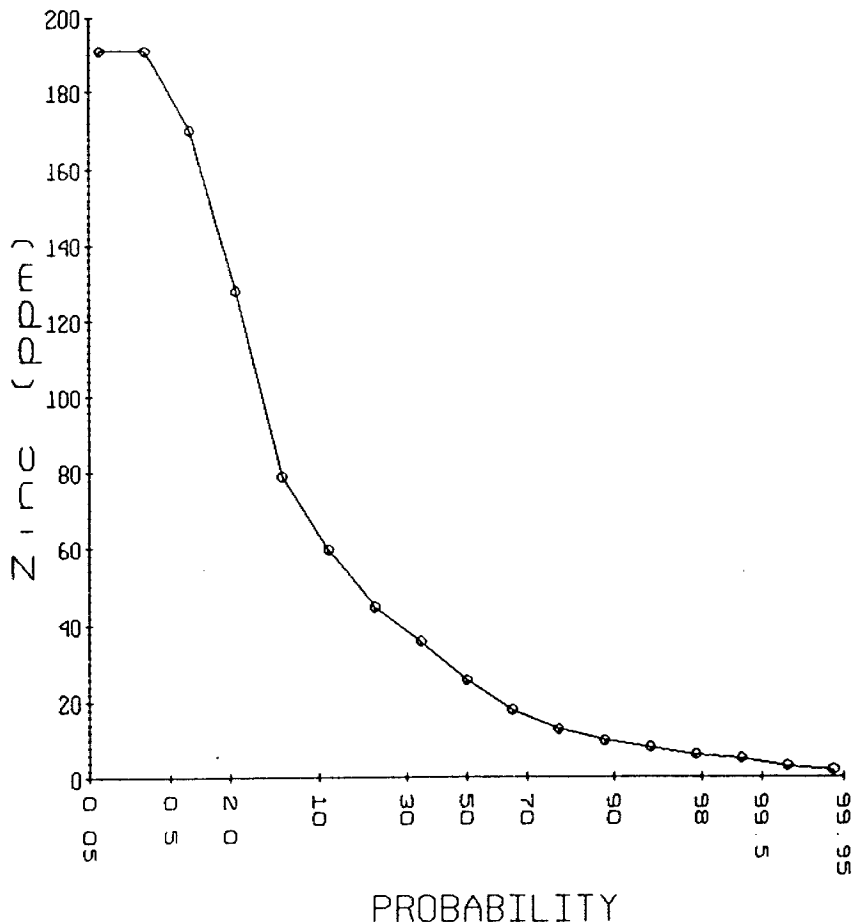
Original number of samples	480
Samples removed by filter	3
Samples left after filtering	477
Samples greater than zero	477
Minimum sample value	1.000
Maximum value	21.000
Mean	4.591
Standard Deviation	2.869
Standard Error of Mean	0.131
Median	11.000
Geometric Mean	3.778
Geometric Standard Deviation	1.925
Skewness	1.540
Kurtosis	7.118
Sum of samples	2190.000
Sum of samples > 0.0	2190.000

Ken Ext Humus



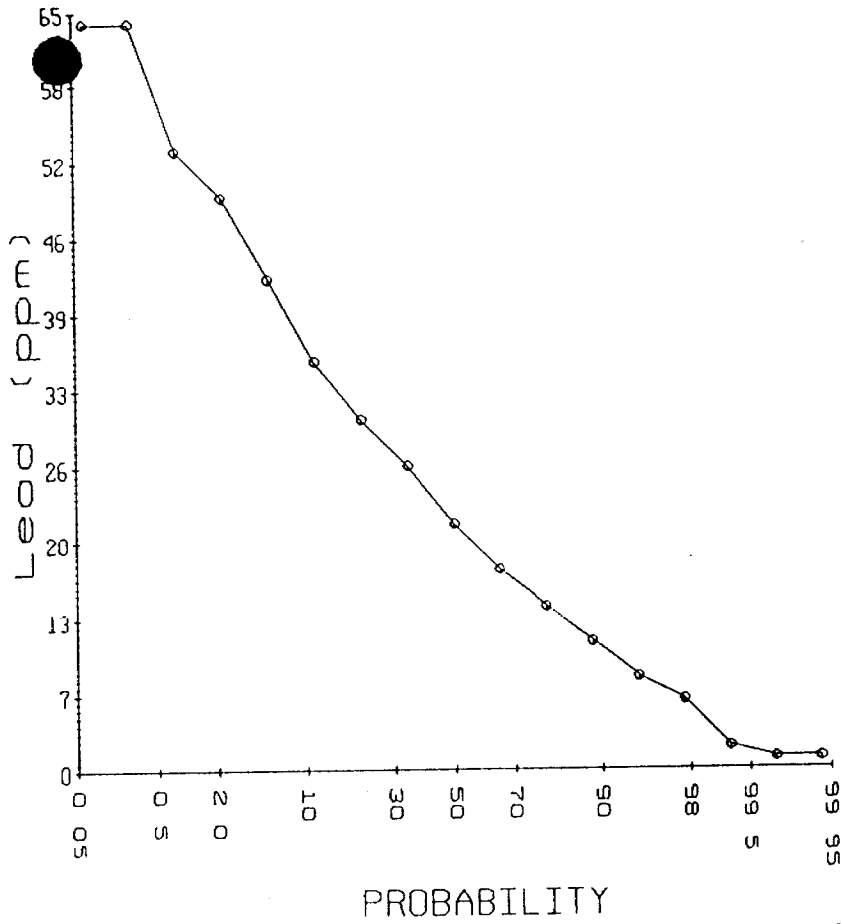
Statistical Summary	
Original number of samples	480
Samples removed by filter	4
Samples left after filtering	476
Samples greater than zero	476
Minimum sample value	2.000
Maximum value	191.000
Mean	33.120
Standard Deviation	28.180
Standard Error of Mean	1.292
Median	96.500
Geometric Mean	24.990
Geometric Standard Deviation	2.123
Skewness	2.463
Kurtosis	11.178
Sum of samples	15765.000
Sum of samples > 0.0	15765.000

Ken. Ext. Humus



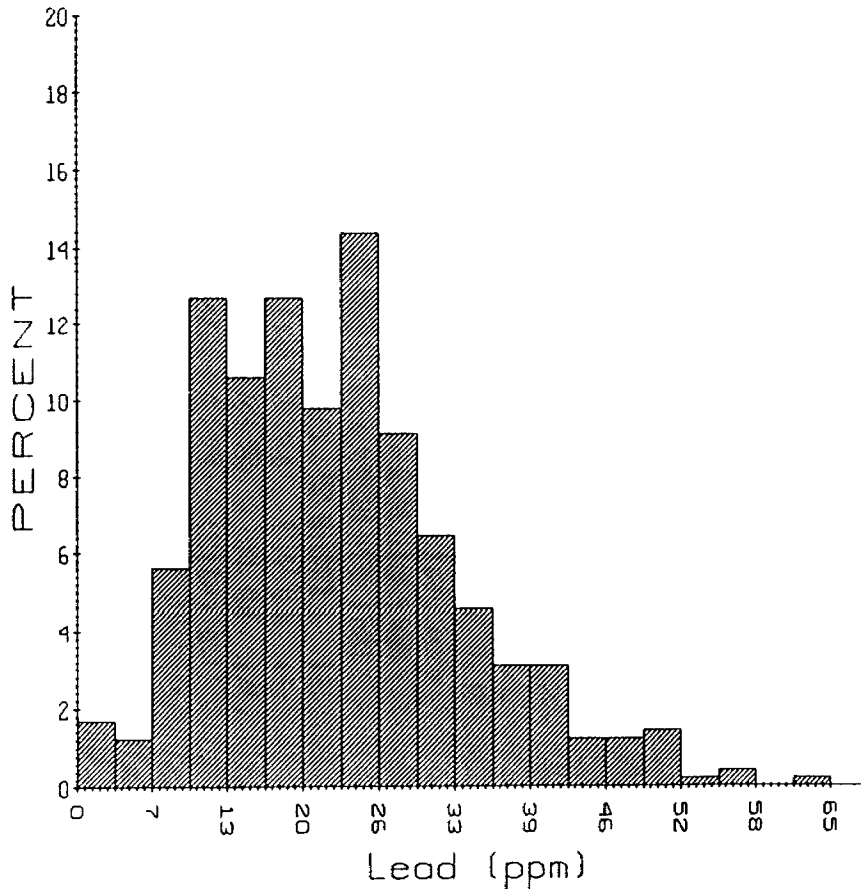
Statistical Summary	
Original number of samples	480
Samples removed by filter	4
Samples left after filtering	476
Samples greater than zero	476
Minimum sample value	2.000
Maximum value	191.000
Mean	33.120
Standard Deviation	28.180
Standard Error of Mean	1.292
Median	96.500
Geometric Mean	24.990
Geometric Standard Deviation	2.123
Skewness	2.463
Kurtosis	11.178
Sum of samples	15765.000
Sum of samples > 0.0	15765.000

Ken Ext Humus



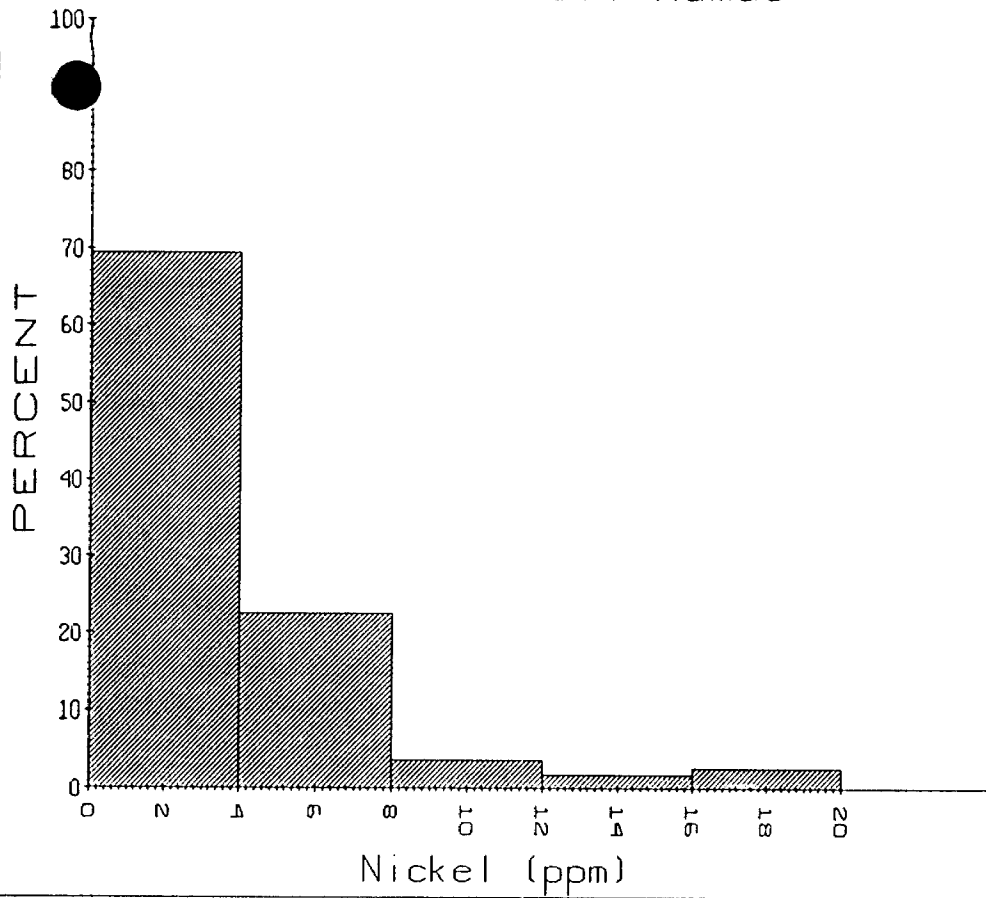
Statistical Summary	
Original number of samples	480
Samples removed by filter	0
Samples left after filtering	480
Samples greater than zero	480
Minimum sample value	1.000
Maximum value	64.000
Mean	22.377
Standard Deviation	10.598
Standard Error of Mean	0.484
Median	32.500
Geometric Mean	19.592
Geometric Standard Deviation	1.772
Skewness	0.699
Kurtosis	3.497
Sum of samples	10741.000
Sum of samples > 0.0	10741.000

Ken Ext Humus



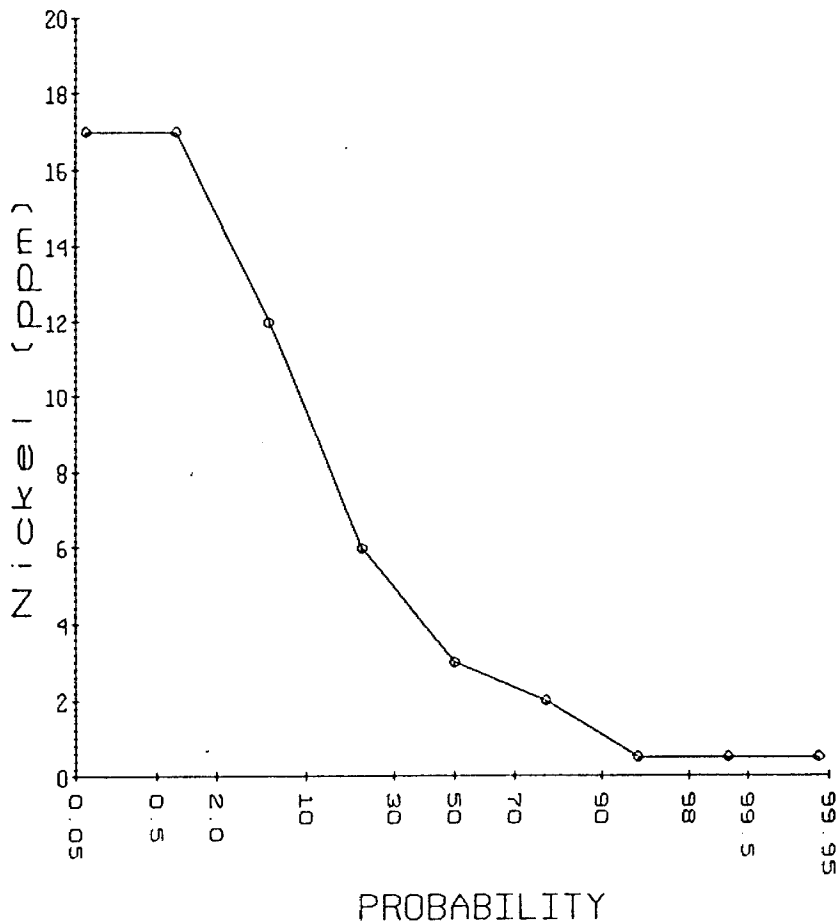
Statistical Summary	
Original number of samples	480
Samples removed by filter	0
Samples left after filtering	480
Samples greater than zero	480
Minimum sample value	1.000
Maximum value	64.000
Mean	22.377
Standard Deviation	10.598
Standard Error of Mean	0.484
Median	32.500
Geometric Mean	19.592
Geometric Standard Deviation	1.772
Skewness	0.699
Kurtosis	3.497
Sum of samples	10741.000
Sum of samples > 0.0	10741.000

Ken. Ext. Fol. Humus



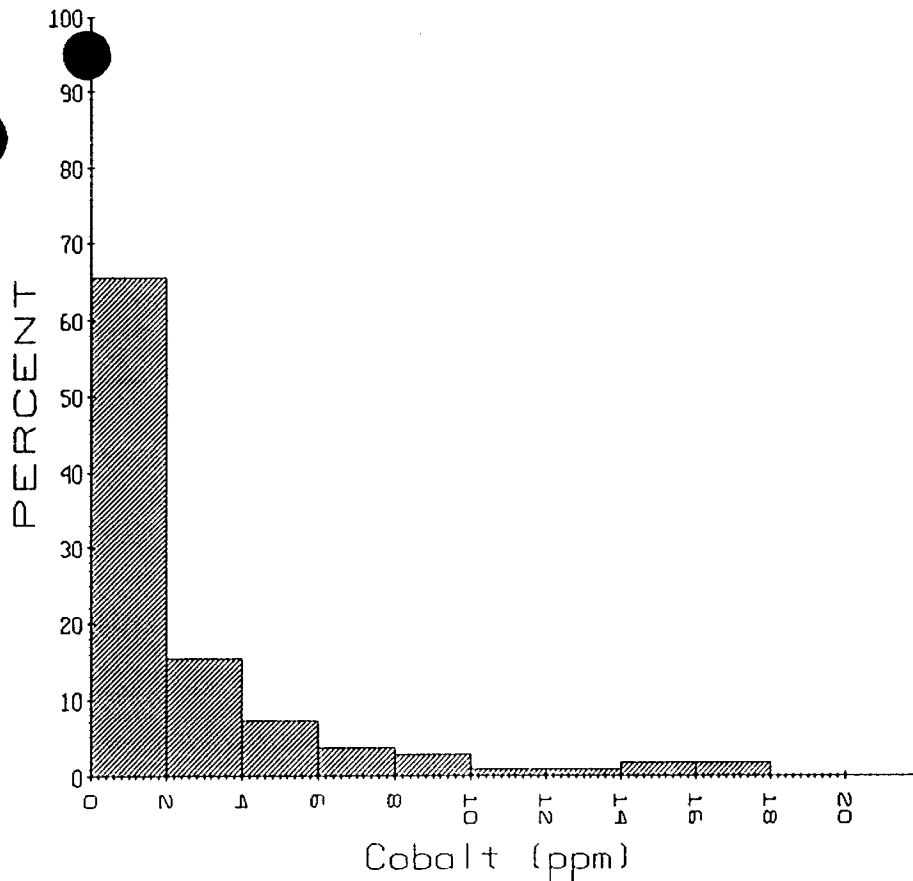
Statistical Summary	
Original number of samples	11
Samples removed by filter	2
Samples left after filtering	11
Samples greater than zero	11
Minimum sample value	0.1
Maximum value	17
Mean	4.1
Standard Deviation	3.1
Standard Error of Mean	0.1
Median	8.1
Geometric Mean	2.1
Geometric Standard Deviation	2.1
Skewness	1.1
Kurtosis	7.1
Sum of samples	45
Sum of samples > 0.0	45

Ken. Ext. Fol. Humus



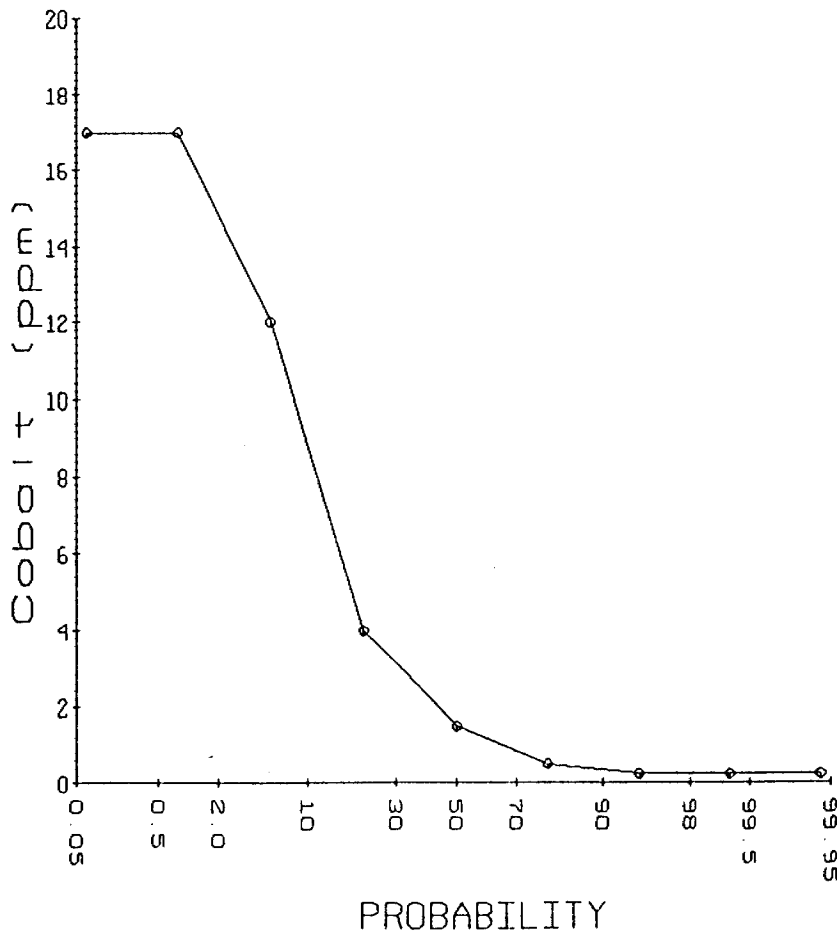
Statistical Summary	
Original number of samples	113
Samples removed by filter	2
Samples left after filtering	111
Samples greater than zero	111
Minimum sample value	0.500
Maximum value	17.000
Mean	4.090
Standard Deviation	3.415
Standard Error of Mean	0.324
Median	8.750
Geometric Mean	2.975
Geometric Standard Deviation	2.329
Skewness	1.913
Kurtosis	7.157
Sum of samples	454.000
Sum of samples > 0.0	454.000

Ken. Ext. Fol. Humus



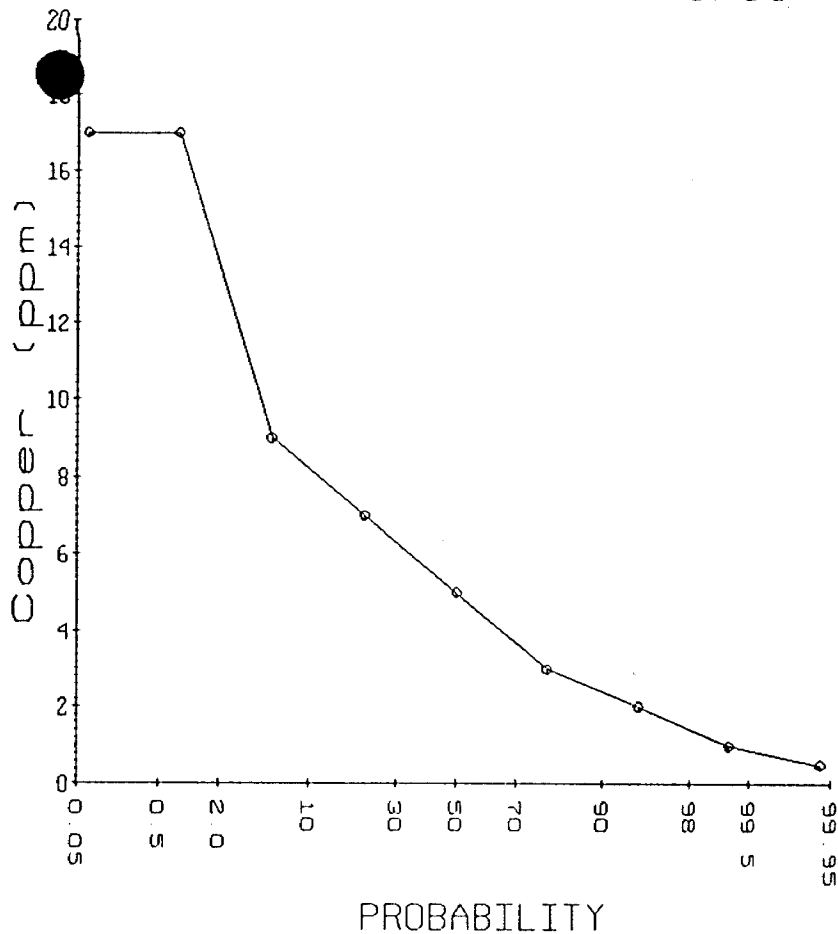
Statistical Summary	
Original number of samples	113
Samples removed by filter	3
Samples left after filtering	110
Samples greater than zero	110
Minimum sample value	0.250
Maximum value	17.000
Mean	2.909
Standard Deviation	3.629
Standard Error of Mean	0.346
Median	8.625
Geometric Mean	1.598
Geometric Standard Deviation	3.023
Skewness	2.293
Kurtosis	8.071
Sum of samples	320.000
Sum of samples > 0.0	320.000

Ken. Ext. Fol. Humus



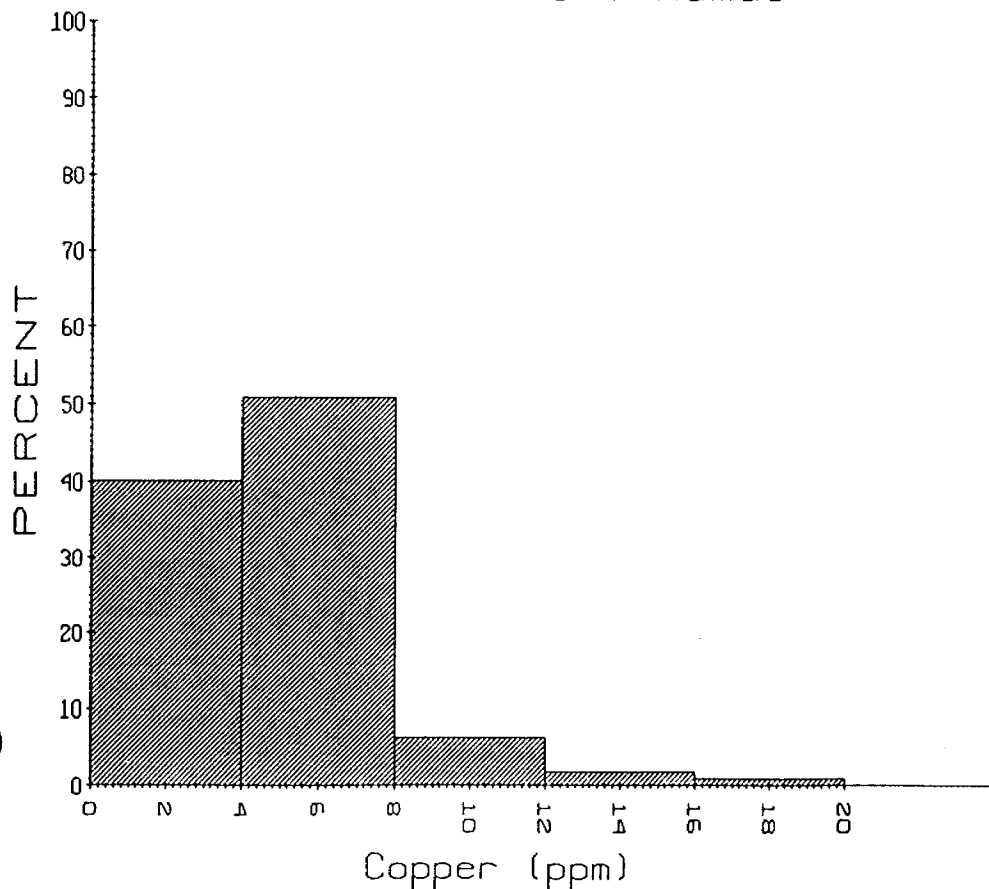
Statistical Summary	
Original number of samples	113
Samples removed by filter	3
Samples left after filtering	110
Samples greater than zero	110
Minimum sample value	0.250
Maximum value	17.000
Mean	2.909
Standard Deviation	3.629
Standard Error of Mean	0.346
Median	8.625
Geometric Mean	1.598
Geometric Standard Deviation	3.023
Skewness	2.293
Kurtosis	8.071
Sum of samples	320.000
Sum of samples > 0.0	320.000

Ken. Ext. Fol. Humus



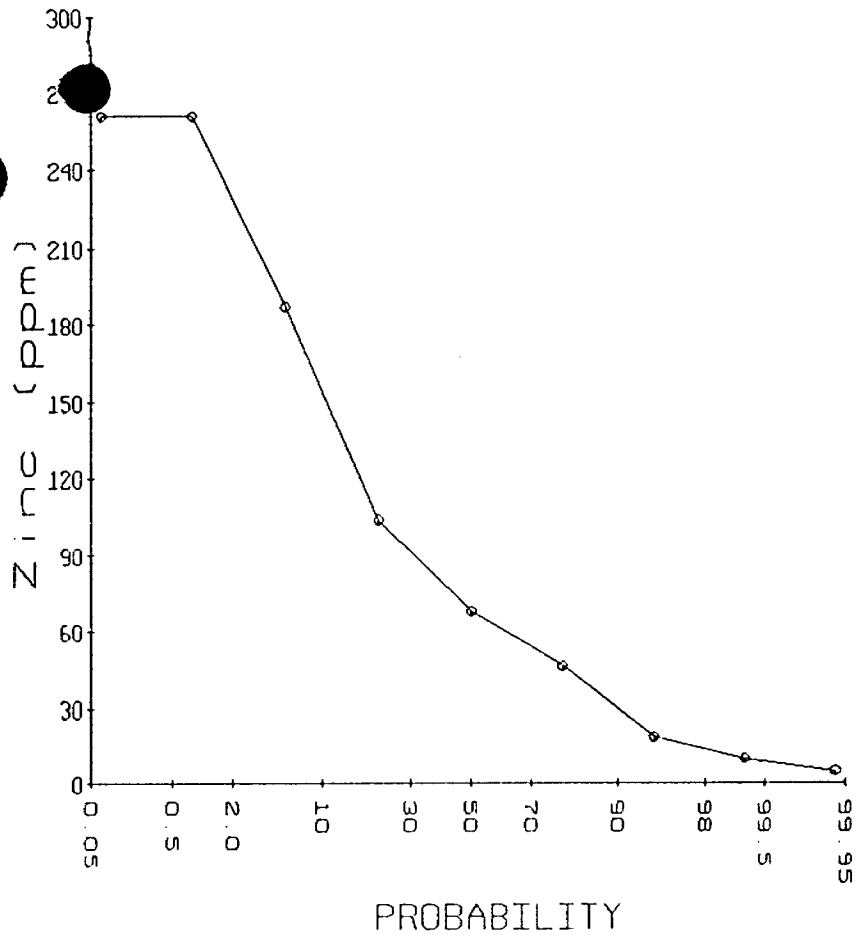
Statistical Summary	
Original number of samples	113
Samples removed by filter	1
Samples left after filtering	112
Samples greater than zero	112
Minimum sample value	0.500
Maximum value	17.000
Mean	5.299
Standard Deviation	2.655
Standard Error of Mean	0.251
Median	8.750
Geometric Mean	4.695
Geometric Standard Deviation	1.682
Skewness	1.623
Kurtosis	7.666
Sum of samples	593.500
Sum of samples > 0.0	593.500

Ken. Ext. Fol. Humus



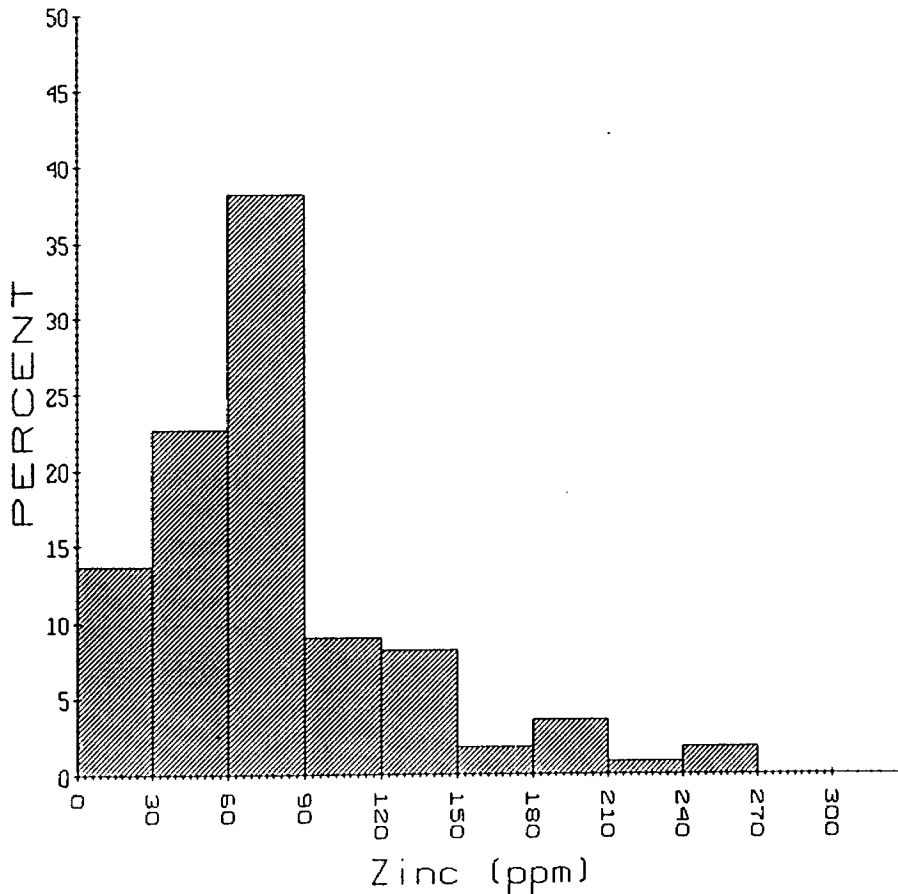
Statistical Summary	
Original number of samples	11
Samples removed by filter	1
Samples left after filtering	11
Samples greater than zero	11
Minimum sample value	0.
Maximum value	17
Mean	5.
Standard Deviation	2.1
Standard Error of Mean	0.
Median	8.
Geometric Mean	4.1
Geometric Standard Deviation	1.1
Skewness	1.1
Kurtosis	7.1
Sum of samples	59.
Sum of samples > 0.0	59.

Ken. Ext. Fol. Humus



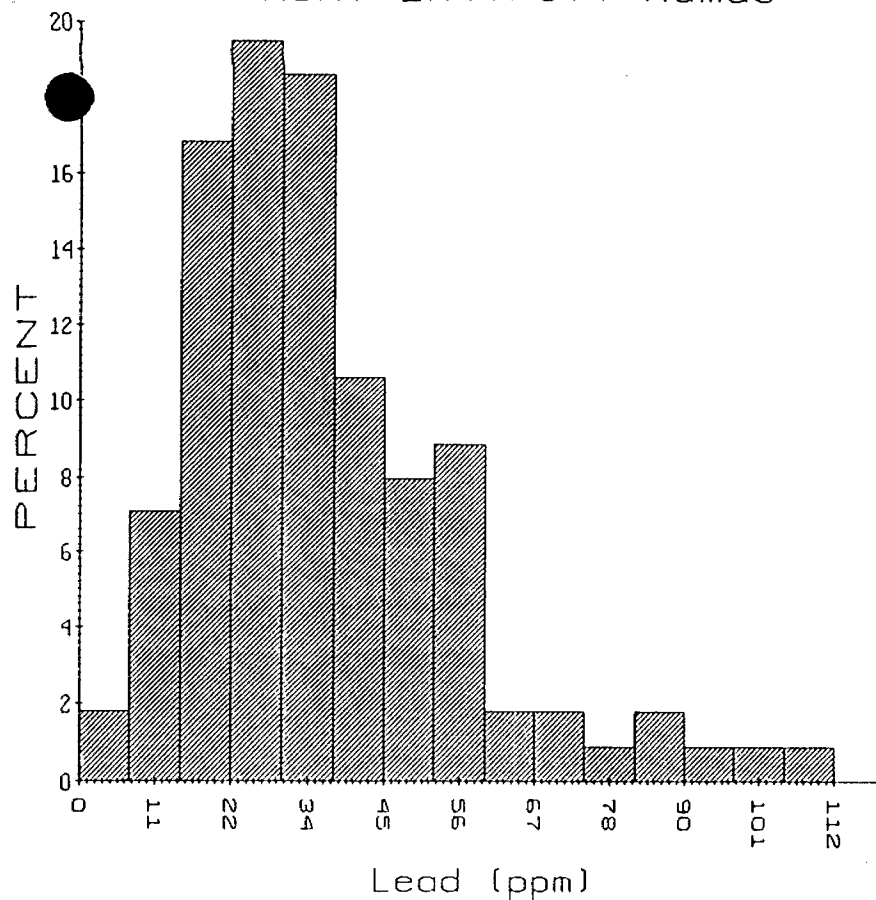
Statistical Summary	
Original number of samples	113
Samples removed by filter	3
Samples left after filtering	110
Samples greater than zero	110
Minimum sample value	5.000
Maximum value	261.000
Mean	78.464
Standard Deviation	49.102
Standard Error of Mean	4.682
Median	133.000
Geometric Mean	64.595
Geometric Standard Deviation	1.953
Skewness	1.462
Kurtosis	5.430
Sum of samples	8631.000
Sum of samples > 0.0	8631.000

Ken. Ext. Fol. Humus



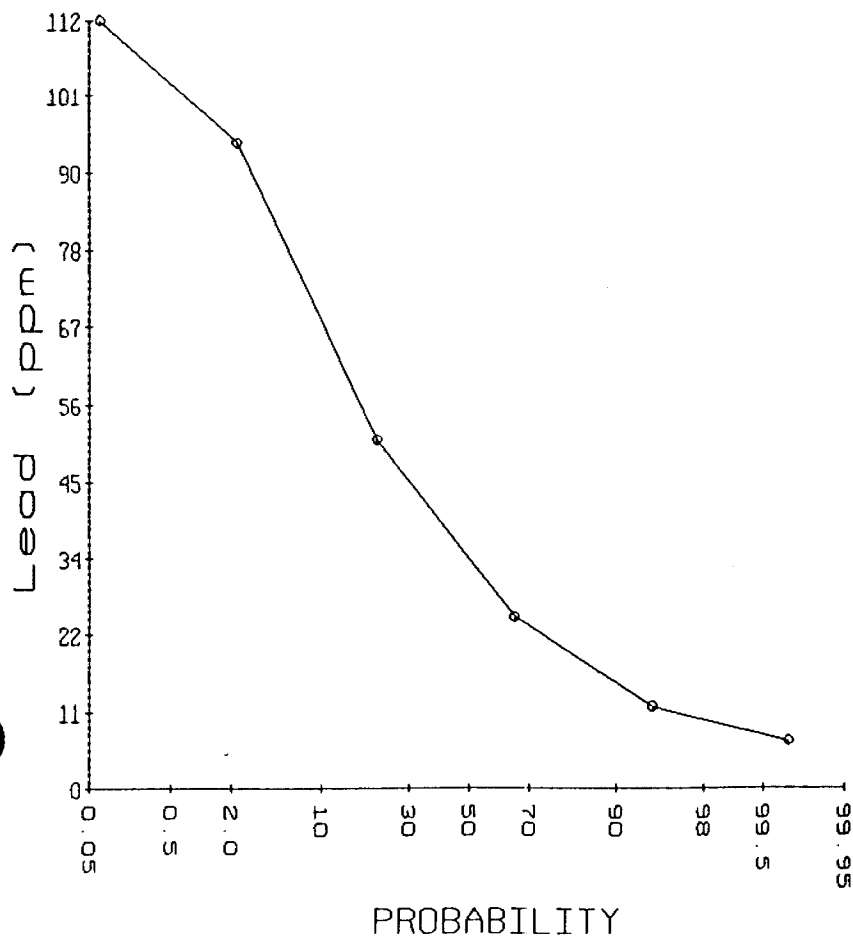
Statistical Summary	
Original number of samples	113
Samples removed by filter	3
Samples left after filtering	110
Samples greater than zero	110
Minimum sample value	5.000
Maximum value	261.000
Mean	78.464
Standard Deviation	49.102
Standard Error of Mean	4.682
Median	133.000
Geometric Mean	64.595
Geometric Standard Deviation	1.953
Skewness	1.462
Kurtosis	5.430
Sum of samples	8631.000
Sum of samples > 0.0	8631.000

Ken. Ext. Fol. Humus



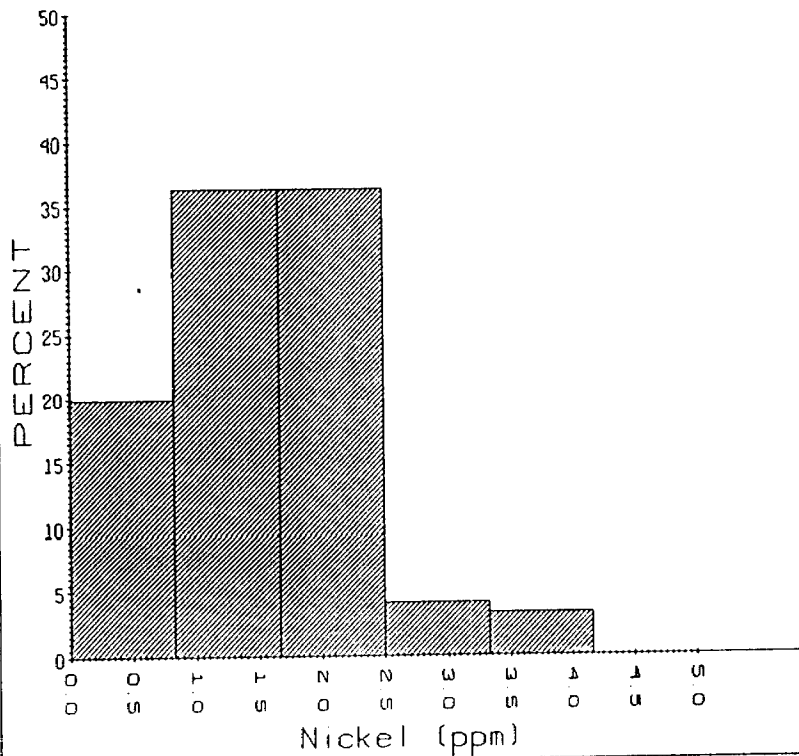
Statistical Summary	
Original number of samples	113
Samples removed by filter	0
Samples left after filtering	113
Samples greater than zero	113
Minimum sample value	7.000
Maximum value	112.000
Mean	35.991
Standard Deviation	19.827
Standard Error of Mean	1.865
Median	59.500
Geometric Mean	31.187
Geometric Standard Deviation	1.733
Skewness	1.326
Kurtosis	5.130
Sum of samples	4067.000
Sum of samples > 0.0	4067.000

Ken. Ext. Fol. Humus



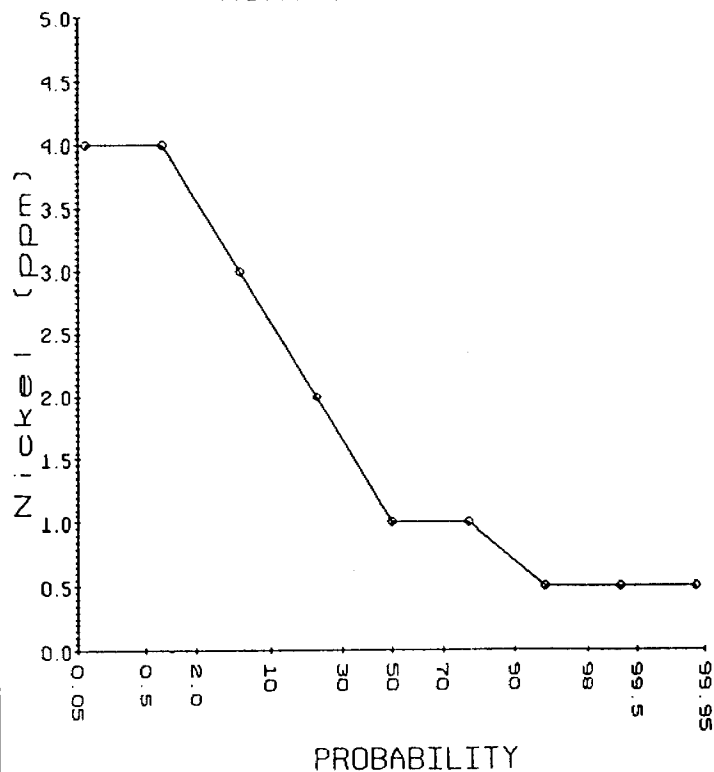
Statistical Summary	
Original number of samples	113
Samples removed by filter	0
Samples left after filtering	113
Samples greater than zero	113
Minimum sample value	7.000
Maximum value	112.000
Mean	35.991
Standard Deviation	19.827
Standard Error of Mean	1.865
Median	59.500
Geometric Mean	31.187
Geometric Standard Deviation	1.733
Skewness	1.326
Kurtosis	5.130
Sum of samples	4067.000
Sum of samples > 0.0	4067.000

Ken. Ext. B-Soil PEG



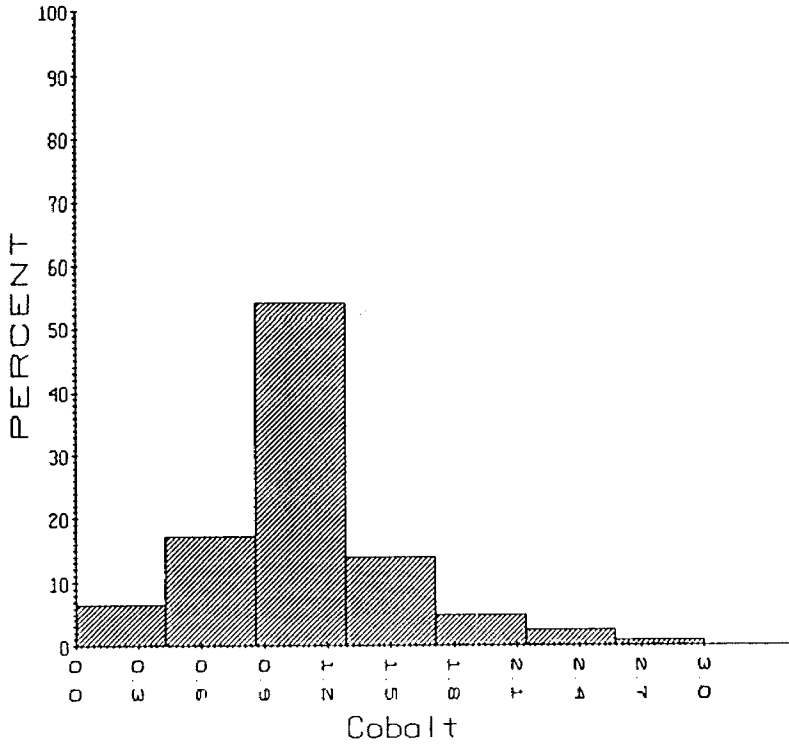
Original number of samples	122
Samples removed by filter	1
Samples left after filtering	121
Samples greater than zero	121
Minimum sample value	0.500
Maximum value	4.000
Mean	1.446
Standard Deviation	0.826
Standard Error of Mean	0.075
Median	2.250
Geometric Mean	1.229
Geometric Standard Deviation	1.798
Skewness	1.014
Kurtosis	4.014
Sum of samples	175.000
Sum of samples > 0.0	175.000

Ken. Ext. B-Soil PEG



Original number of samples	122
Samples removed by filter	1
Samples left after filtering	121
Samples greater than zero	121
Minimum sample value	0.500
Maximum value	4.000
Mean	1.446
Standard Deviation	0.826
Standard Error of Mean	0.075
Median	2.250
Geometric Mean	1.229
Geometric Standard Deviation	1.798
Skewness	1.014
Kurtosis	4.014
Sum of samples	175.000
Sum of samples > 0.0	175.000

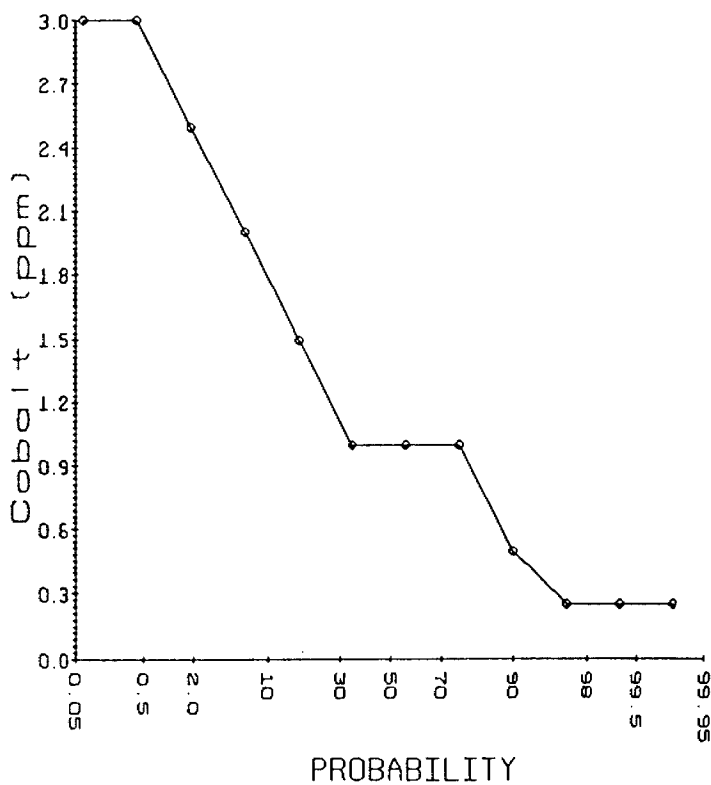
Ken. Ext. B-Soil PEG



Statistical Summary

Original number of samples	122
Samples removed by filter	0
Samples left after filtering	122
Samples greater than zero	122
Minimum sample value	0.250
Maximum value	3.000
Mean	1.037
Standard Deviation	0.503
Standard Error of Mean	0.046
Median	1.625
Geometric Mean	0.916
Geometric Standard Deviation	1.698
Skewness	1.096
Kurtosis	5.091
Sum of samples	126.500
Sum of samples > 0.0	126.500

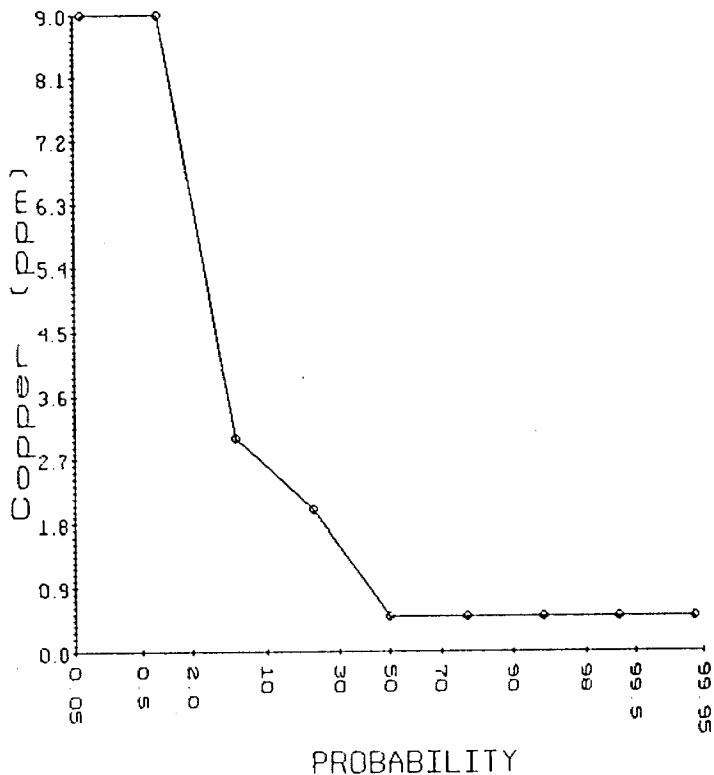
Ken. Ext. B-Soil PEG



Statistical Summary

Original number of samples	122
Samples removed by filter	0
Samples left after filtering	122
Samples greater than zero	122
Minimum sample value	0.250
Maximum value	3.000
Mean	1.037
Standard Deviation	0.503
Standard Error of Mean	0.046
Median	1.625
Geometric Mean	0.916
Geometric Standard Deviation	1.698
Skewness	1.096
Kurtosis	5.091
Sum of samples	126.500
Sum of samples > 0.0	126.500

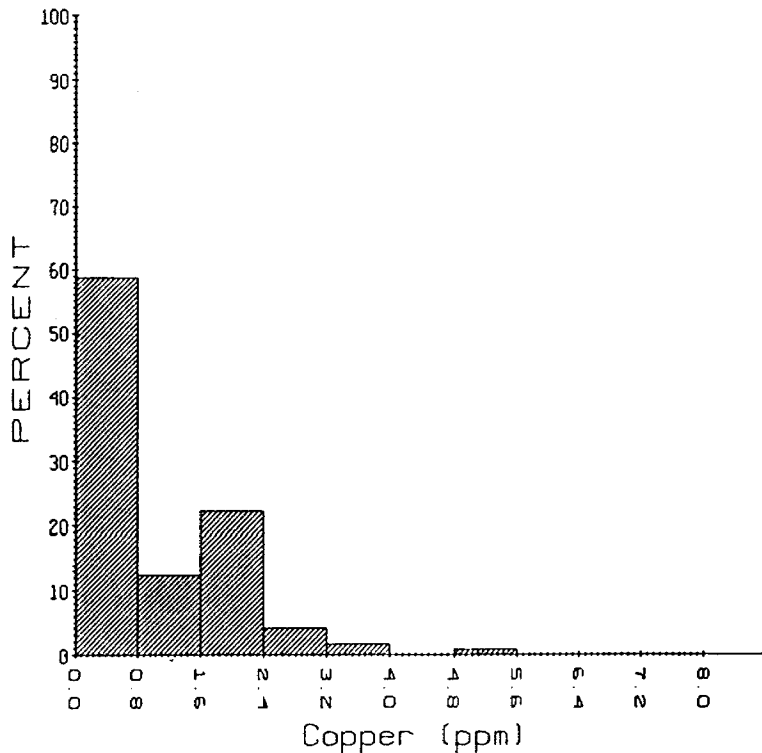
Ken. Ext. B-Soil PEG



Statistical Summary

Original number of samples	122
Samples removed by filter	0
Samples left after filtering	122
Samples greater than zero	122
Minimum sample value	0.500
Maximum value	9.000
Mean	1.160
Standard Deviation	1.149
Standard Error of Mean	0.104
Median	4.750
Geometric Mean	0.860
Geometric Standard Deviation	2.041
Skewness	3.333
Kurtosis	19.991
Sum of samples	141.500
Sum of samples > 0.0	141.500

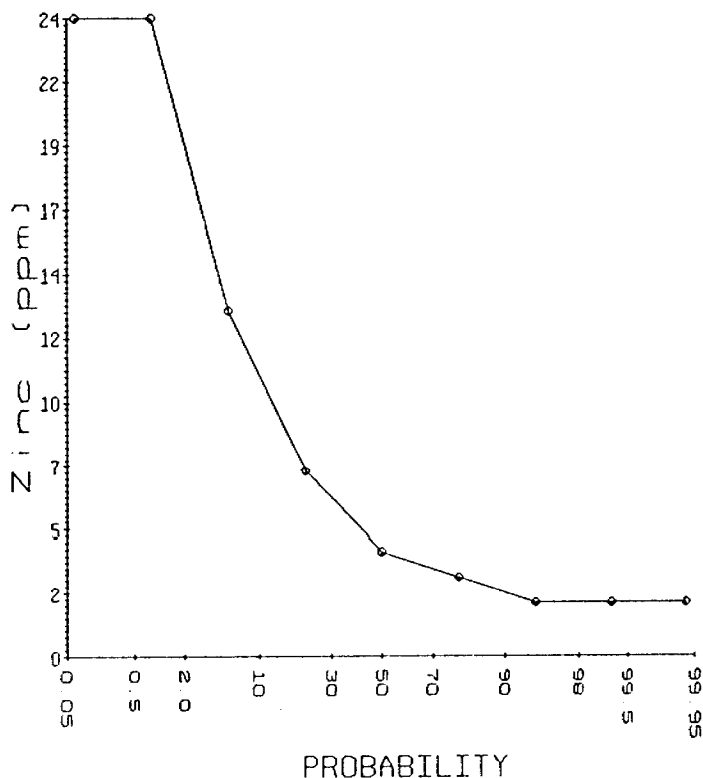
Ken. Ext. B-Soil PEG



Statistical Summary

Original number of samples	122
Samples removed by filter	1
Samples left after filtering	121
Samples greater than zero	121
Minimum sample value	0.500
Maximum value	5.000
Mean	1.095
Standard Deviation	0.902
Standard Error of Mean	0.082
Median	2.750
Geometric Mean	0.843
Geometric Standard Deviation	1.981
Skewness	1.682
Kurtosis	5.886
Sum of samples	132.500
Sum of samples > 0.0	132.500

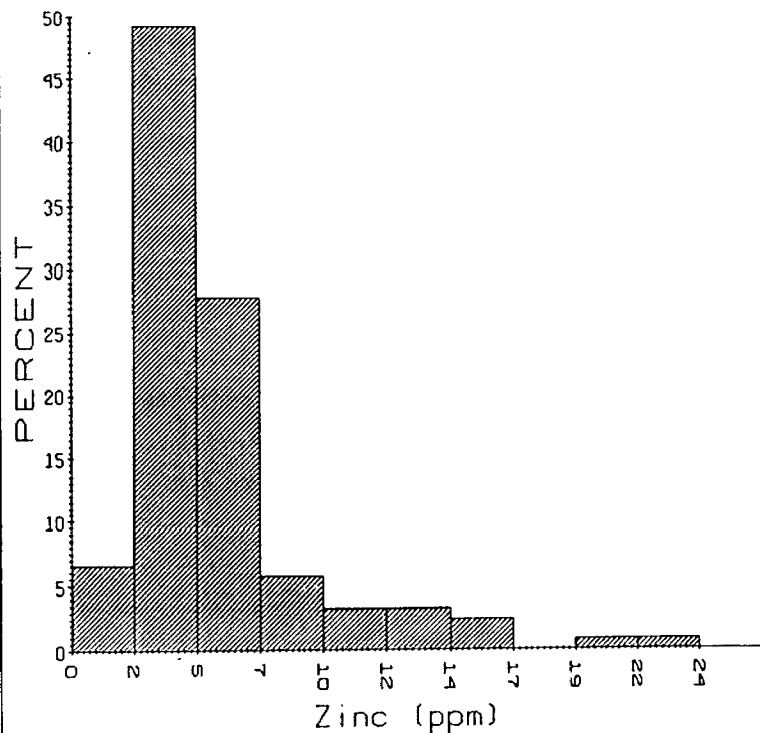
Ken. Ext. B-Soil PEG



Statistical Summary

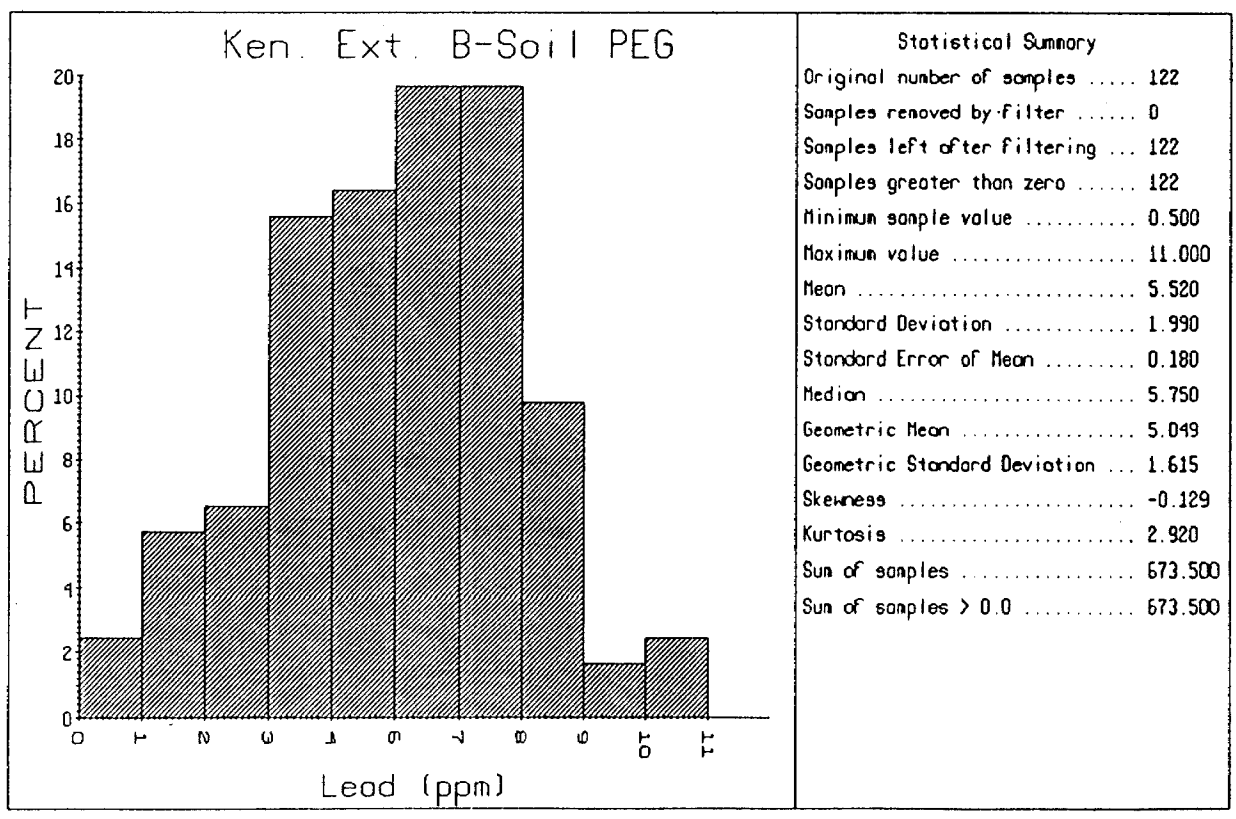
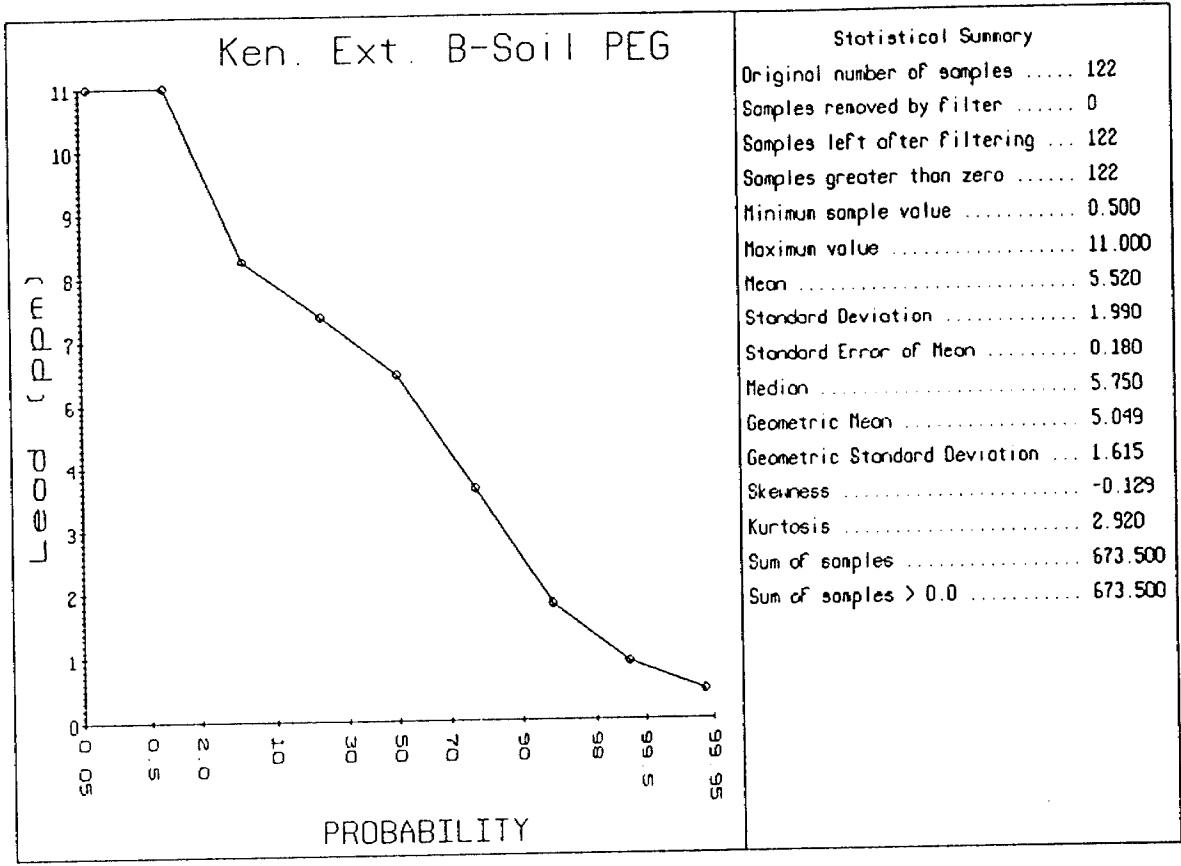
Original number of samples	122
Samples removed by filter	0
Samples left after filtering	122
Samples greater than zero	122
Minimum sample value	2.000
Maximum value	24.000
Mean	5.413
Standard Deviation	3.673
Standard Error of Mean	0.333
Median	13.000
Geometric Mean	4.675
Geometric Standard Deviation	1.674
Skewness	2.415
Kurtosis	9.777
Sum of samples	664.000
Sum of samples > 0.0	664.000

Ken. Ext. B-Soil PEG



Statistical Summary

Original number of samples	122
Samples removed by filter	0
Samples left after filtering	122
Samples greater than zero	122
Minimum sample value	2.000
Maximum value	24.000
Mean	5.413
Standard Deviation	3.673
Standard Error of Mean	0.333
Median	13.000
Geometric Mean	4.675
Geometric Standard Deviation	1.674
Skewness	2.415
Kurtosis	9.777
Sum of samples	664.000
Sum of samples > 0.0	664.000



APPENDIX C
STANDARD SAMPLES

	A	B	C	D	E	F	G	H	I
1	1992, Kenogaming Extension Pro# 8219 SO-4 / SB-A Standards								
2	SAMPLE	Co (ppm)	Cu (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	STD. type	Methods
3	SA0053A	3	9	4	9	16	0.5	SO-4	H.P.E.ICP
4	SA0089A	2	9	6	6	20	0.5	SO-4	H.P.E.ICP
5	SA0141A	2.5	9	5	1	22	0.5	SO-4	H.P.E.ICP
6	SA0180A	0.5	8	10	5	11	0.5	SO-4	H.P.E.ICP
7	SA0209A	8.5	14	15	12	29	0.5	SO-4	H.P.E.ICP
8	SA0423A	1.5	5	5	0.5	13	0.5	SO-4	H.P.E.ICP
9	SA0487A	0.25	4	9	0.5	8	0.5	SO-4	H.P.E.ICP
10	SA0543A	2.5	6	5	0.5	17	0.5	SO-4	H.P.E.ICP
11	SA0580A	1	5	5	0.5	9	0.5	SO-4	H.P.E.ICP
12	SA0601A	3	14	3	16	67	0.5	SO-4	H.P.E.ICP
13	SA0676A	4.5	7	4	2	14	0.5	SO-4	H.P.E.ICP
14	SA6090	1.5	3	1	7	11	0.5	SO-4	H.P.E.ICP
15	SA6031	1	2	2	10	12	0.5	SO-4	H.P.E.ICP
16	SA6058	0.5	13	0.5	8	8	0.5	SO-4	H.P.E.ICP
17	SA6100	1	15	2	7	12	0.5	SO-4	H.P.E.ICP
18	SA6247	5.5	20	2	18	13	0.5	SB-A	B.P.E.ICP
19	SA6300	5.5	19	2	16	12	0.5	SB-A	B.P.E.ICP
20									
21									
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APPENDIX D
AUTHOR'S STATEMENT OF QUALIFICATIONS
and FIELD PERSONNEL

STATEMENT OF QUALIFICATIONS

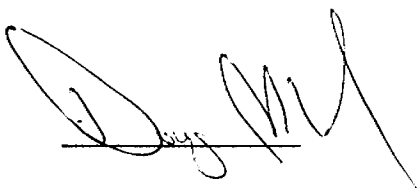
I, Arthur Douglas McLaughlin, of #9 - 820 Suzanne Street, Timmins, Ontario, do hereby declare:

I graduated from Acadia University in Wolfville, Nova Scotia with a Bachelor of Science degree in geology,

I have been employed as a mineral exploration geologist for the past twelve years,

I am currently employed as a geologist with Falconbridge Limited and that the work described in this report was conducted under my direct supervision,

I have no legal interest, nor expect any, in the mining claims described in this report, or in Falconbridge Limited.



Doug McLaughlin

Timmins, Ontario

FIELD PERSONNEL

Doug McLaughlin	Project Geologist, Falconbridge Limited #9 - 820 Suzanne Street, Timmins, Ontario P4N 8C4
Jack Robert	Sampler, Larchex Inc., Exploration and Mining 218 Ogden Street, Timmins, Ontario P4N 1M9
Jake Lagault	Sampler, Larchex Inc., Exploration and Mining #3 - 28 Vimy Street, Timmins, Ontario P4N 4J9
Phil Vicker	Senior Geological Assistant, Falconbridge Limited Toronto, Ontario.
Jeff St. Jean	Technician, Falconbridge Limited Kirkland Lake, Ontario.



Ontario



42A04NW0100 2.14805 KENOGAMING

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Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Branch
Geoscience Approvals Section
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

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Fax: (705) 670-5863

January 4, 1993

Our File: 2.14805
Transaction #W9260.00157
.00158

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
P. 1114838 ET AL. IN KENOGAMING TOWNSHIP**

The assessment work credits for the Geochemical Survey filed under Sections 8 and 13 of the Mining Act Regulations have been approved.

The approval date is December 30, 1992.

Please indicate this approval on your records.

If you have any questions regarding this correspondence, please contact Ted Anderson of the Mining Lands Branch at (705) 670-5856.

Yours sincerely,

Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

TAA/jl
Enclosures:

cc: Resident Geologist
Timmins, Ontario

Assessment Files Library
Toronto, Ontario



Ministry of Northern Development and Mines

Report of Work Conducted After Recording Claim

MINING LANDS
Transaction Number
W9260.00157

Mining Act

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.14805

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) FALCON BRIDGE LIMITED	Client No. 130679
Address 571 MONETA AVE, Box 1140, TIMMINS, ONT P4N 7H9	Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area KENOGAMING
Dates Work Performed From: JUNE 9 - June 24, 1992 to JULY 21 - August 14, 1992	

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	GEOCHEMICAL SURVEY - HUMUS AND SOIL
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECEIVED

NOV 20 1992

MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ **22,358 20,655**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
	see attached schedule

RECORDED
NOV 16 1992
Receipt _____

(attach a schedule if necessary)

Certification of Beneficial Interest - See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date: **Nov 13, 1992** Recorded Holder or Agent (Signature): *[Signature]*

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: **DOUG McLAUGHLIN**

Telephone No.: **(705) 267-8105** Date: **Nov 13, 1992** Certified By (Signature): *[Signature]*

For Office Use Only

Total Value Cr. Recorded 20,655	Date Recorded Nov. 16/92	Mining Recorder <i>[Signature]</i>	RECEIVED NOV 16 1992 11:00 (c) TBI
	Deemed Approval Date FEB 15 1993	Date Approved	
	Date Notice for Amendments Sent		



Ministry of Northern Development and Mines

Report of Work Conducted Before Recording Claim

Transaction Number
W9260.00/58

Mining Act

2.14805

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No. 130679
Address 571 MONETA AVE, Box 1140, TIMMINS, ONT P4N7H9		Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area KENOSAMING	M or G Plan No.
Dates Work Performed From: JUNE 9, 1992		To: JUNE 24, 1992

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Regional Surveys	GEOCHEMICAL & HUMUS SURVEYS
<input type="checkbox"/> Prospecting	

RECEIVED
NOV 20 1992

Total Assessment Work Claimed on the Attached Statement of Costs \$ 1,700 MINING LANDS BRANCH

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
DOUG McLAUGHLIN	FALCONBRIDGE LIMITED, 9-820 SUZANNE ST, TIMMINS
JACK ROBERT	LARCHER INC., 218 OGDEN ST., TIMMINS, ONT
JAKE LAGOUT	LARCHER INC., 3-28 VIMY ST., TIMMINS, ONT

RECORDED
NOV 18 1992

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature) Receipt
--	------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this work report, having performed the work or witnessed it during and/or after its completion, and the annexed report is true.

Name and Address of Person Certifying
DOUG McLAUGHLIN, 9-820 SUZANNE ST., TIMMINS, ONT P4N8K4

Telephone No. (705) 267-8105	Date NOV 18, 1992	Certified By (Signature) <i>Doug McLaughlin</i>
--	-----------------------------	--

For Office Use Only

Total Value Cr. Recorded \$1,703	Date Recorded NOV. 18/92	Mining Recorder <i>Whit</i>	RECEIVED NOV 18 1992 <i>9:25am RB</i>
	Deemed Approval Date FEB. 17/93	Date Approved	
	Date Notice for Amendments Sent		

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9260.00157

W9260.00158

2 14805

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	5596	
	Field Supervision Supervision sur le terrain	3500	9096
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type SAMPLING, GRIDDING	3,465	
	Assay LAB	6,541	10,006
	Supplies Used Fournitures utilisées	Type SAMPLE TINS, Boxes, TAPPING Shovels, Pies	1,126
			1,126
Equipment Rental Location de matériel	Type 4-TRAX	108	
	RECEIVED		
			108
Total Direct Costs Total des coûts directs			20,836

NOV 20 1992

MINING LANDS BRANCH

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
 Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK RENTAL, Gas	477	
			477
Food and Lodging Nourriture et hébergement	Food, trailer rental	1045	1045
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			1522
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			22,358

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit $\times 0.50 =$ **RECORDED**

NOV 18 1992

Certification Verifying Statement of Costs Receipt W9260.00158

I hereby certify that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as _____ I am authorized (Recorded Holder, Agent, Position in Company)

to make this certification

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation $\times 0,50 =$ **RECORDED**

NOV 16 1992

Attestation de l'état des coûts Receipt W9260.00157

J'atteste par la présente que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature _____ Date NOV 13, 1992

REFERENCE

AREAS WITHDRAWN FROM DISPOSITION

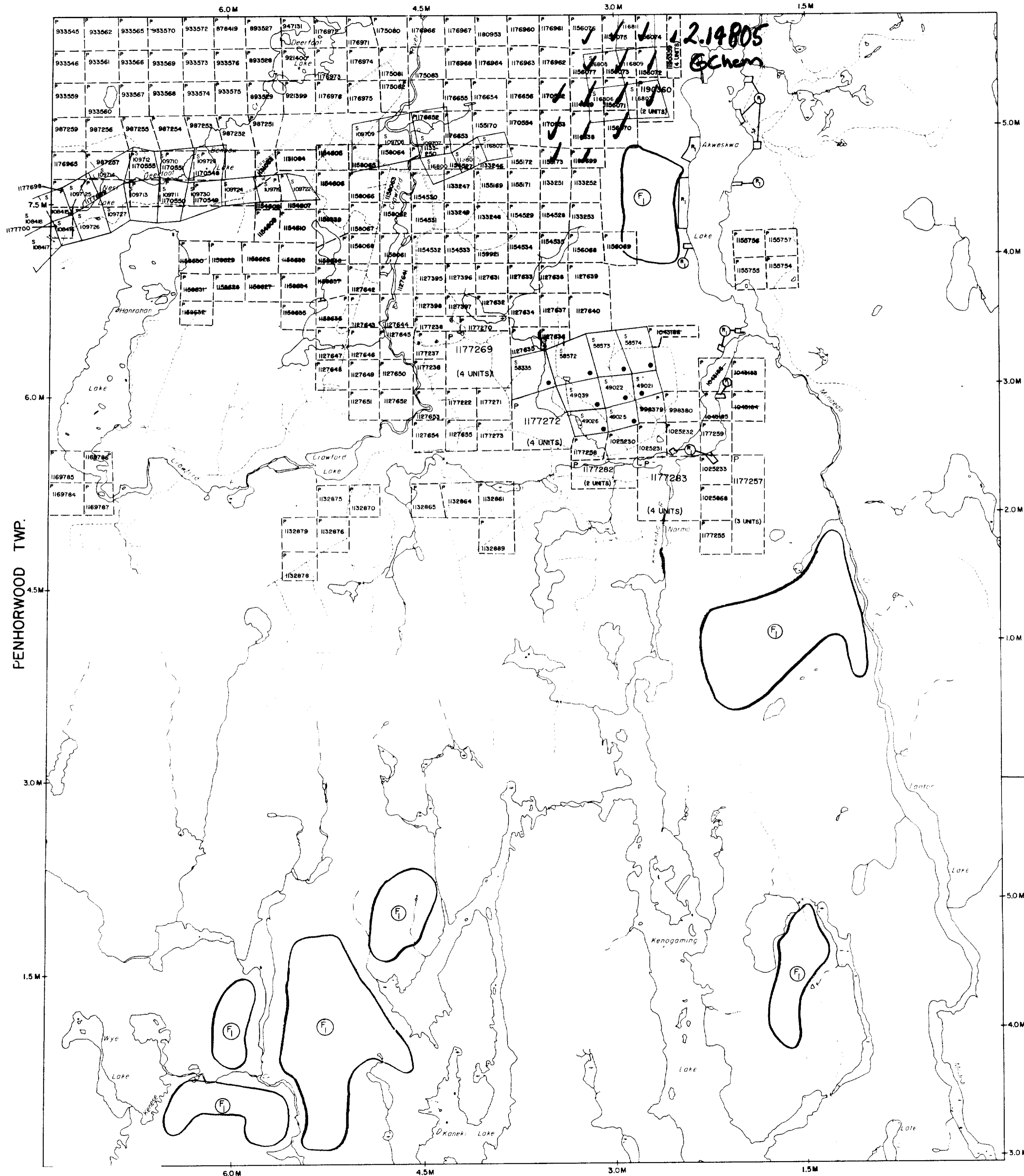
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

PROPOSED COTTAGING AREAS NOTICE RECEIVED DECEMBER 22, 1988

THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1992/93. FURTHER INFORMATION AVAILABLE ON FILE.

SEWELL TWP.



LEGEND

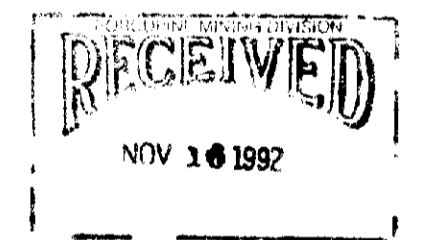
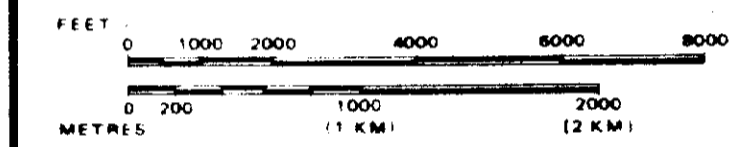
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◼
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊘
SAND & GRAVEL	⊚

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 83, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP
KENO GAMING

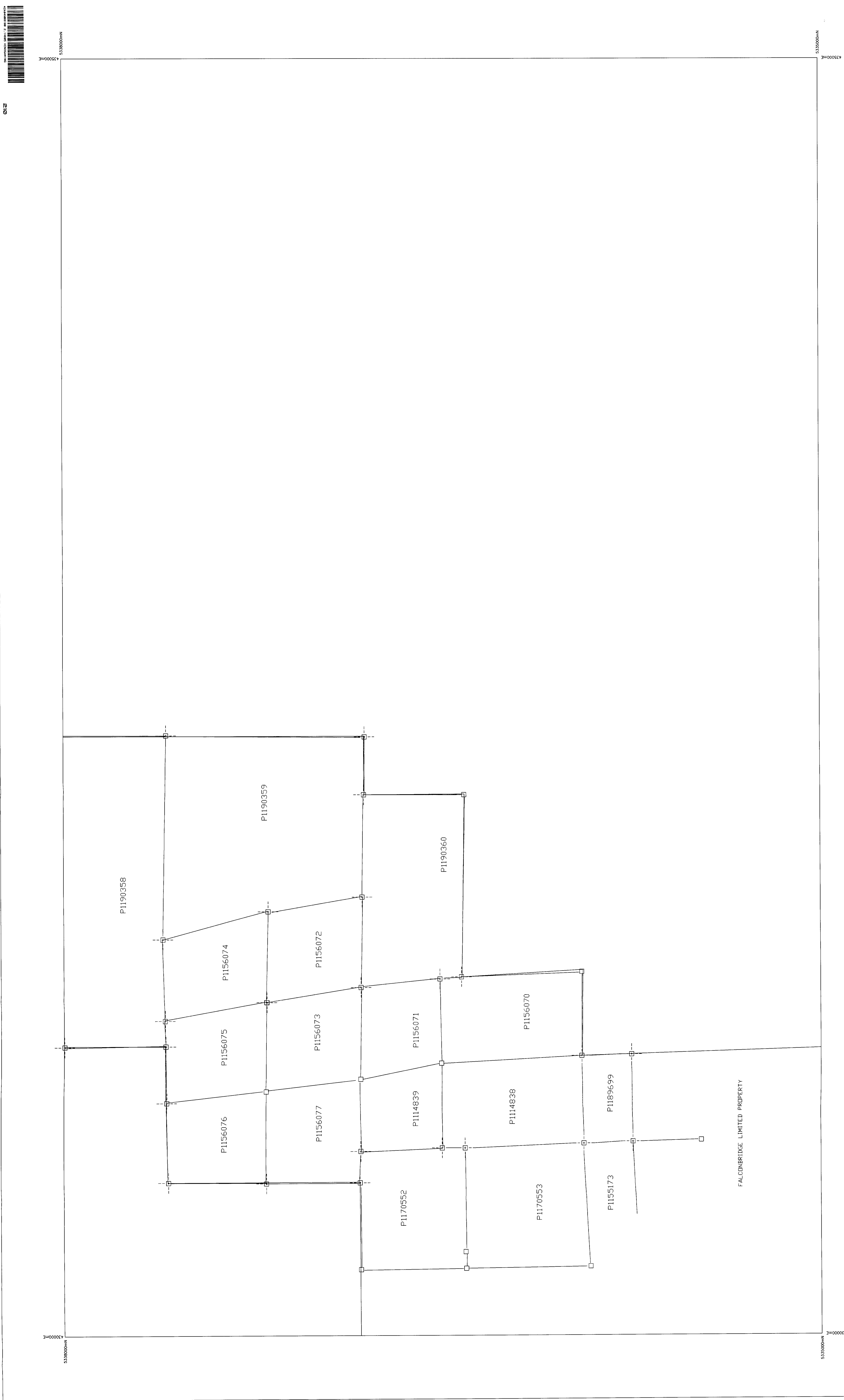
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION **2.14805**
PORCUPINE
LAND TITLES / REGISTRY DIVISION
SUDBURY



Date APRIL 1985
Number **G-3239**
ACTIVATED JULY 29, 1992 BY D.C.
CHECKED BY G.W.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

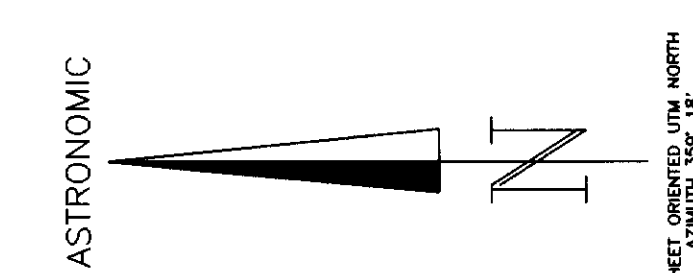




LEGEND

- DISPOSITION OF CROWN LANDS**
- PAVING - SURFACE RIGHTS ONLY
 - PAVING - SURFACE RIGHTS ONLY
 - LEASE - SURFACE & MINING RIGHTS
 - LEASE - SURFACE RIGHTS ONLY
 - LEASE - MINING RIGHTS ONLY
 - LEASE OF OCCUPATION
 - GREEN-HOUSE
 - RESERVATION
 - PRODUCING MINES
- TYPE OF DOCUMENTS**
- CANCELLED
 - SALE & GAVEL, RT., QUARRY
 - CROWN LAND SALE
 - LOCATED LAND
 - REPORT TOURIST SETUP
 - SURFACE AND/OR MINING RIGHTS WITHDRAWN FROM STAMPS
 - SUBJECT TO FOREST ACTIVITIES
 - NOTE: FOOT SURFACE RIGHTS RESERVATION
 - FALCONBRIDGE LIMITED 100% VENTURE PARTNER
 - FALCONBRIDGE LIMITED LEASE
 - OTHER COMPANIES 100% VENTURE PARTNER
 - OTHER COMPANIES LEASE
- SYMBOL**
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INDEX MAP



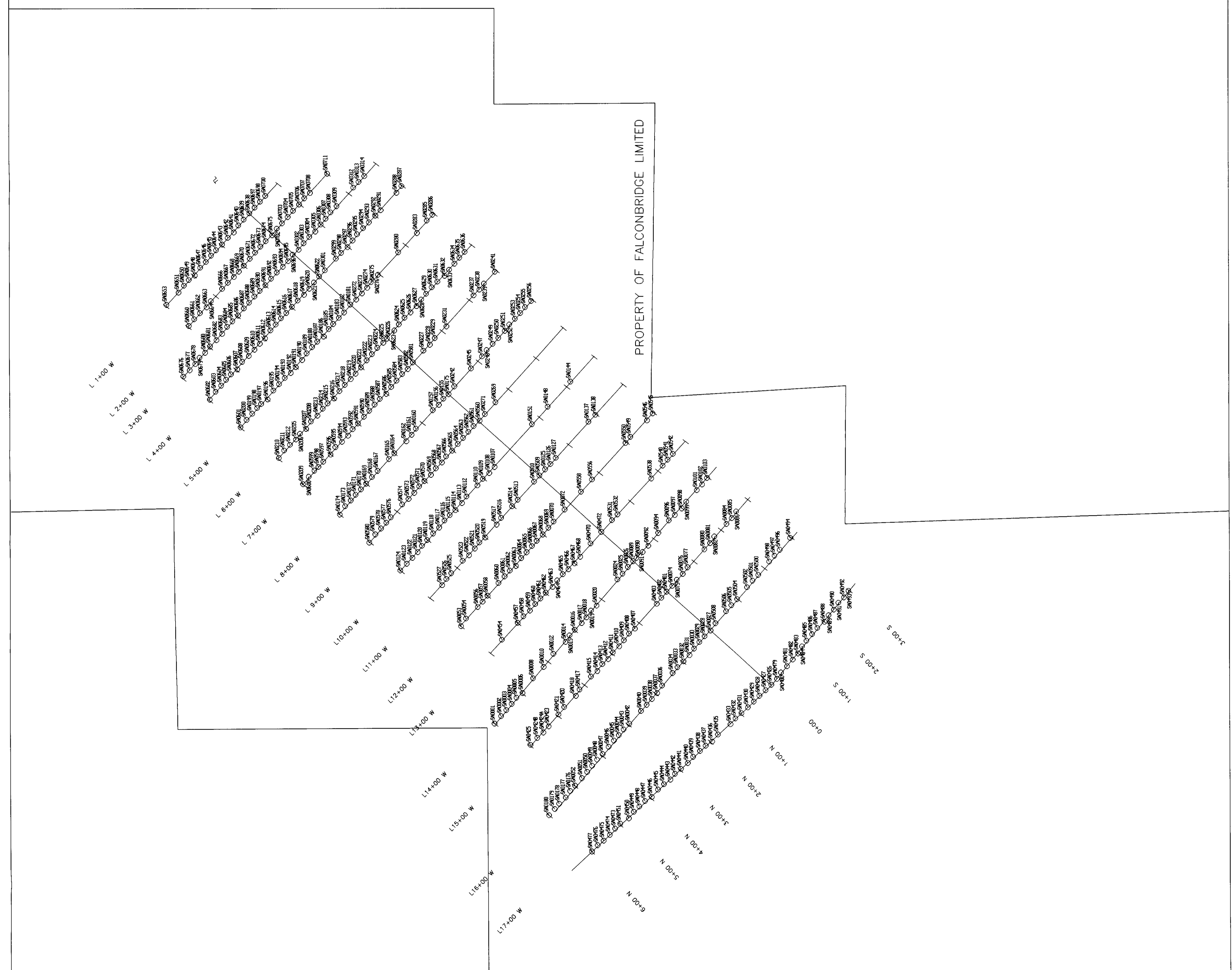
FALCONBRIDGE LIMITED
Exploration Division
Kenogaming Township (Ext.)
PROPERTY MAP

2.14805

DATE: 07/27/92
DATE: 07/27/92

PROJECT: 879
MAP NO: 100005
SHEET: 100005

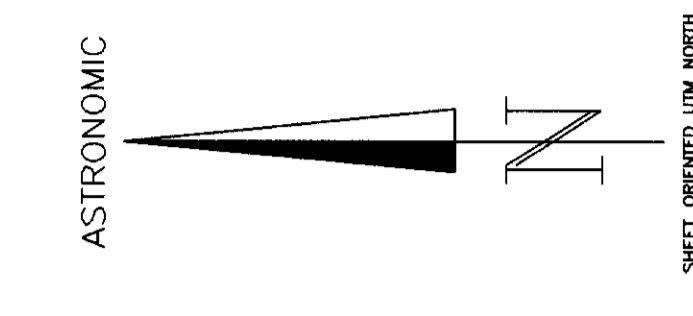
Doc: McL AUGALIN
D. M. G.



LEGEND
 HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: MAY 26 TO JUNE 9, 1992
 ANALYTICAL LAB: TSL/Assays LAB., Rouyn, P.Q.
 SA00045 --- SAMPLE NUMBER
 O --- SAMPLE LOCATION

INDEX MAP

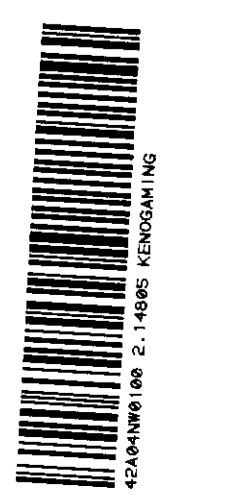
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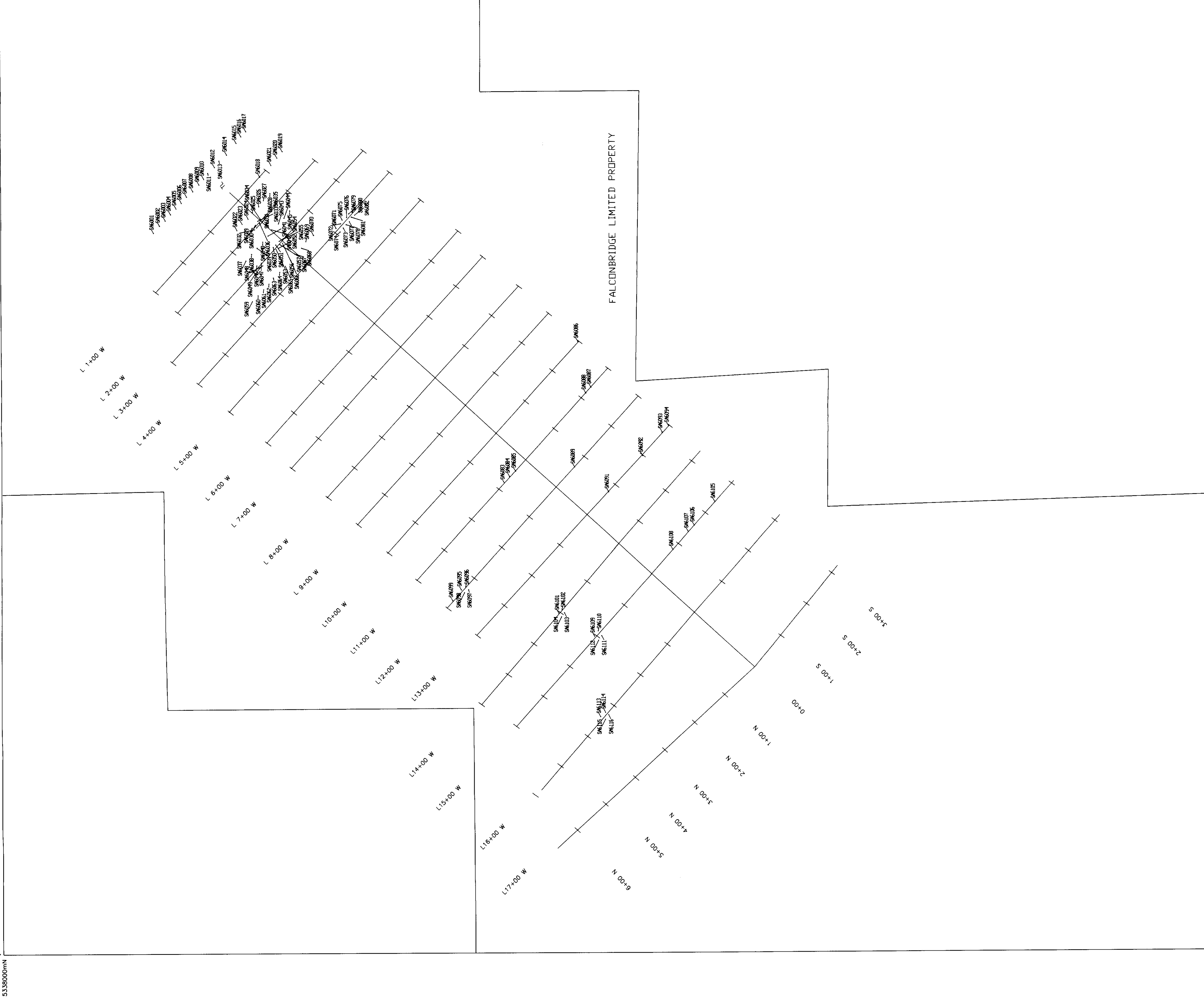


2. 14805
Falconbridge
FALCONBRIDGE LIMITED
 Exploration Division
 KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE 1)
SAMPLE LOCATIONS

NO. 20	DATE: 05/29/92	BY: J.A.C.M.	SCALE: 1:500
DATE: 05/29/92	DATE: 05/29/92	DATE: 05/29/92	DATE: 05/29/92
DATE: 05/29/92	DATE: 05/29/92	DATE: 05/29/92	DATE: 05/29/92

Doug McLachlan
David



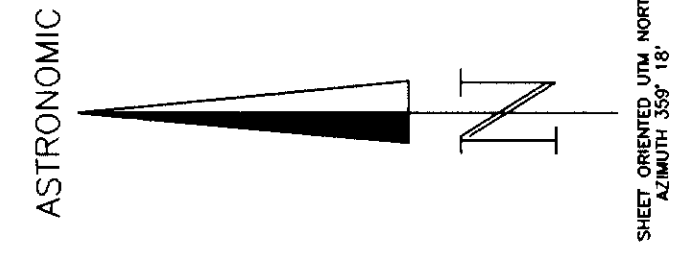


LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.O.

SA0045 --- SAMPLE NUMBER
 - - - SAMPLE LOCATION

4405336	4105338	4205338	4305338	4405338	4505338	4605338	4705338	4805338	4905338	5005338
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4405330	4105320	4205320	4305320	4405320	4505320	4605320	4705320	4805320	4905320	5005320
4405329	4105317	4205317	4305317	4405317	4505317	4605317	4705317	4805317	4905317	5005317
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4405327	4105311	4205311	4305311	4405311	4505311	4605311	4705311	4805311	4905311	5005311
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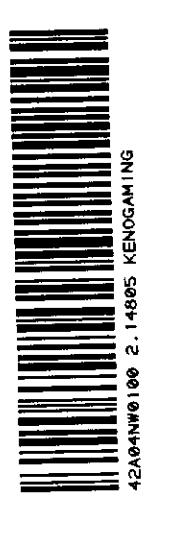
FALCONBRIDGE LIMITED
 Exploration Division

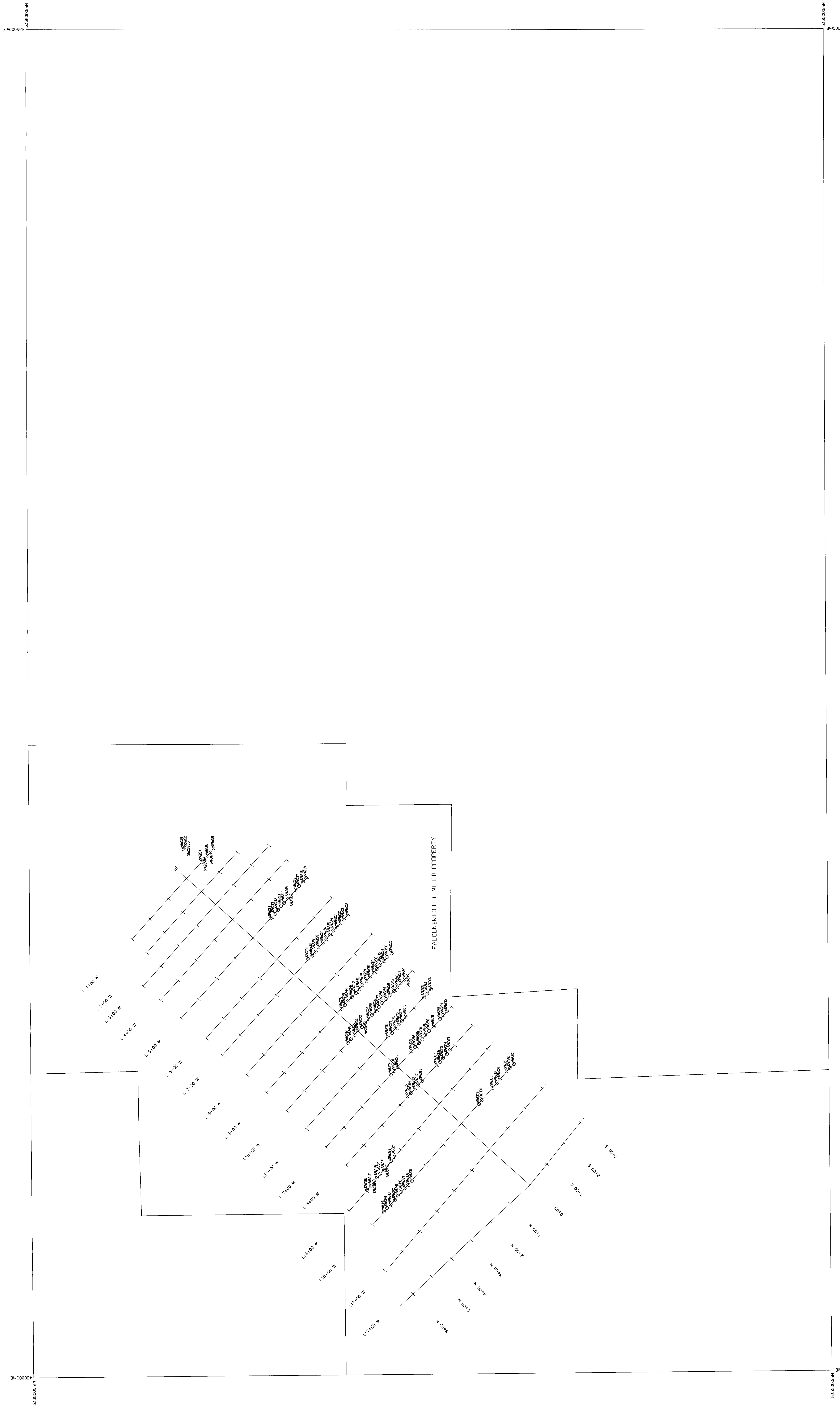
2.148C5
 KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE II)

SAMPLE LOCATIONS

DATE: 08/26/92
 DRAWN BY: J.S. WATSON
 CHECKED BY: J.S. WATSON
 DATE: 08/26/92
 DATE: 08/26/92
 DATE: 08/26/92

Steve McLaughtin
 Dave





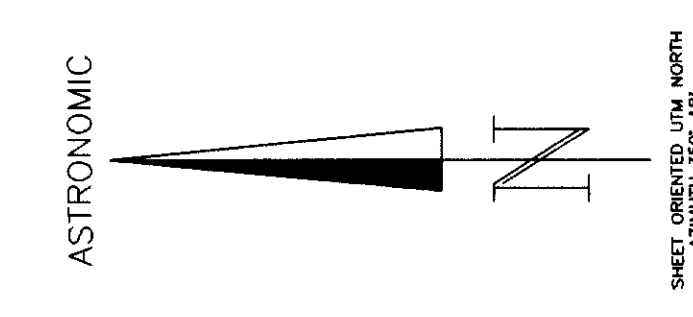
LEGEND

B-SOIL PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.Q.

SA0045 --- SAMPLE NUMBER
 --- SAMPLE LOCATION

INDEX MAP

4405338	4405339	4405340	4405341	4405342	4405343	4405344	4405345	4405346	4405347	4405348	4405349	4405350	4405351	4405352	4405353	4405354	4405355	4405356	4405357	4405358	4405359	4405360	4405361	4405362	4405363	4405364	4405365	4405366	4405367	4405368	4405369	4405370	4405371	4405372	4405373	4405374	4405375	4405376	4405377	4405378	4405379	4405380	4405381	4405382	4405383	4405384	4405385	4405386	4405387	4405388	4405389	4405390	4405391	4405392	4405393	4405394	4405395	4405396	4405397	4405398	4405399	4405400
---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------



2.14805

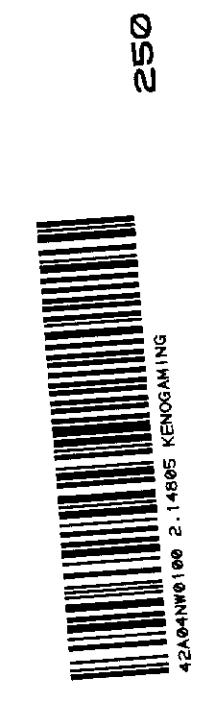
FALCONBRIDGE LIMITED
 Falconbridge Division

**KENOCAMING TOWNSHIP (EXT.)
 B-SOIL PARTIAL EXTRACTION SURVEY
 (PHASE II)**

SAMPLE LOCATIONS

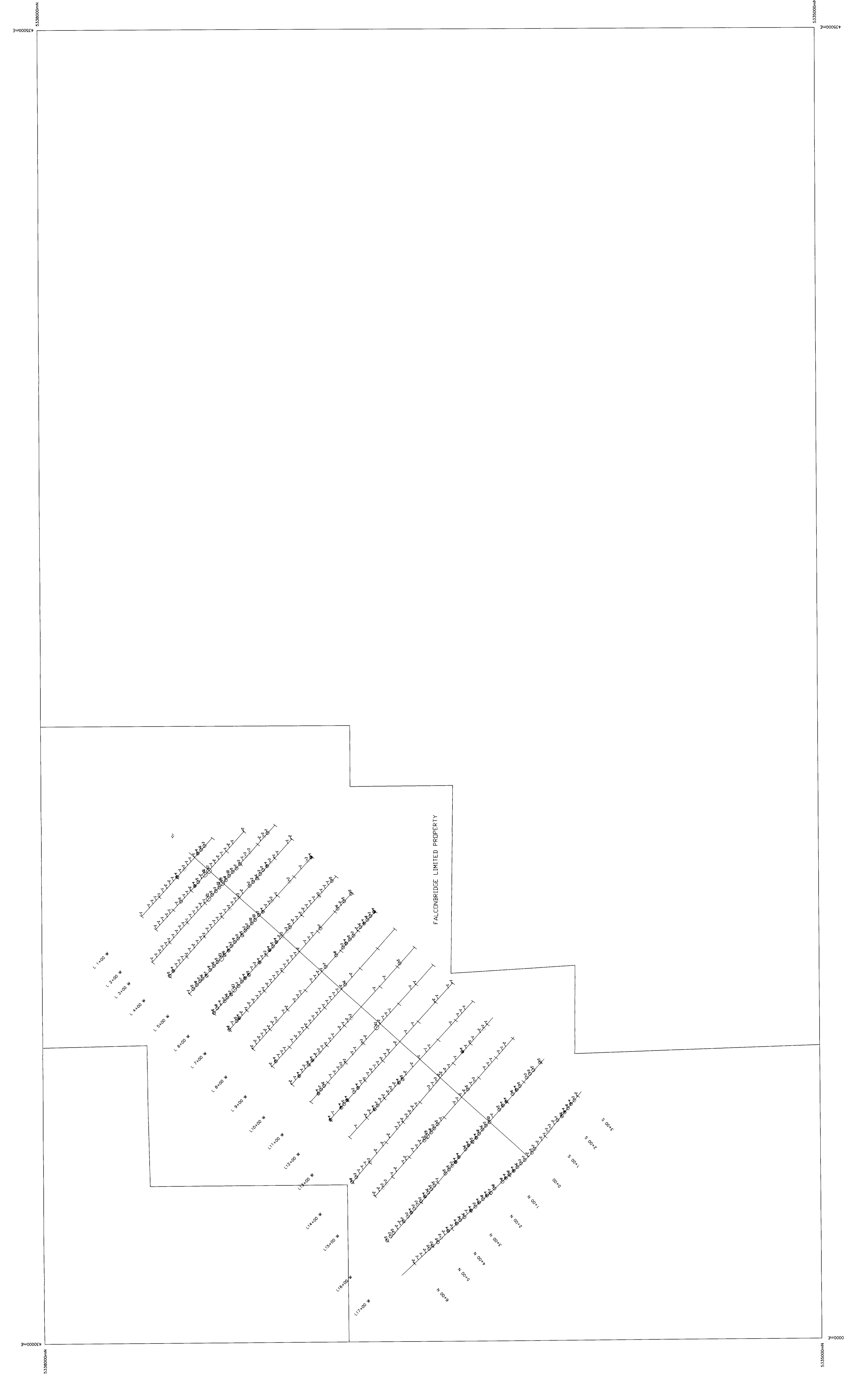
ISSUED: 11. DATE: 07/92. JOB NO: 440534. PROJECT: 8074.
 DRAWN: L.L. DATE: 28/7/92. MAP NO: 440535. FILE: 100004.
 CHECKED: J.M. DATE: 07/92. SCALE: 1:5000. SHEET NO: 28 OF 30.
 PROJECT: 8074

DOUG McLAUGHLIN





0932

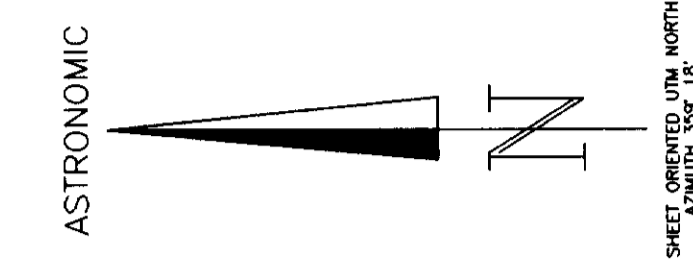


LEGEND
 HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: MAY 26 TO JUNE 9, 1992
 ANALYTICAL LAB: TSL/Assayers Lab., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.0 - 1.99 PPM	✓
2.00 - 2.99 PPM	•
3.00 - 10.99 PPM	⊙
> 10.99 PPM	⊚

INDEX MAP

4450336	4450338	4450340	4450342	4450344	4450346	4450348	4450350	4450352	4450354
4450337	4450339	4450341	4450343	4450345	4450347	4450349	4450351	4450353	4450355
4450338	4450340	4450342	4450344	4450346	4450348	4450350	4450352	4450354	4450356
4450339	4450341	4450343	4450345	4450347	4450349	4450351	4450353	4450355	4450357
4450340	4450342	4450344	4450346	4450348	4450350	4450352	4450354	4450356	4450358
4450341	4450343	4450345	4450347	4450349	4450351	4450353	4450355	4450357	4450359
4450342	4450344	4450346	4450348	4450350	4450352	4450354	4450356	4450358	4450360
4450343	4450345	4450347	4450349	4450351	4450353	4450355	4450357	4450359	4450361
4450344	4450346	4450348	4450350	4450352	4450354	4450356	4450358	4450360	4450362
4450345	4450347	4450349	4450351	4450353	4450355	4450357	4450359	4450361	4450363



2.14805

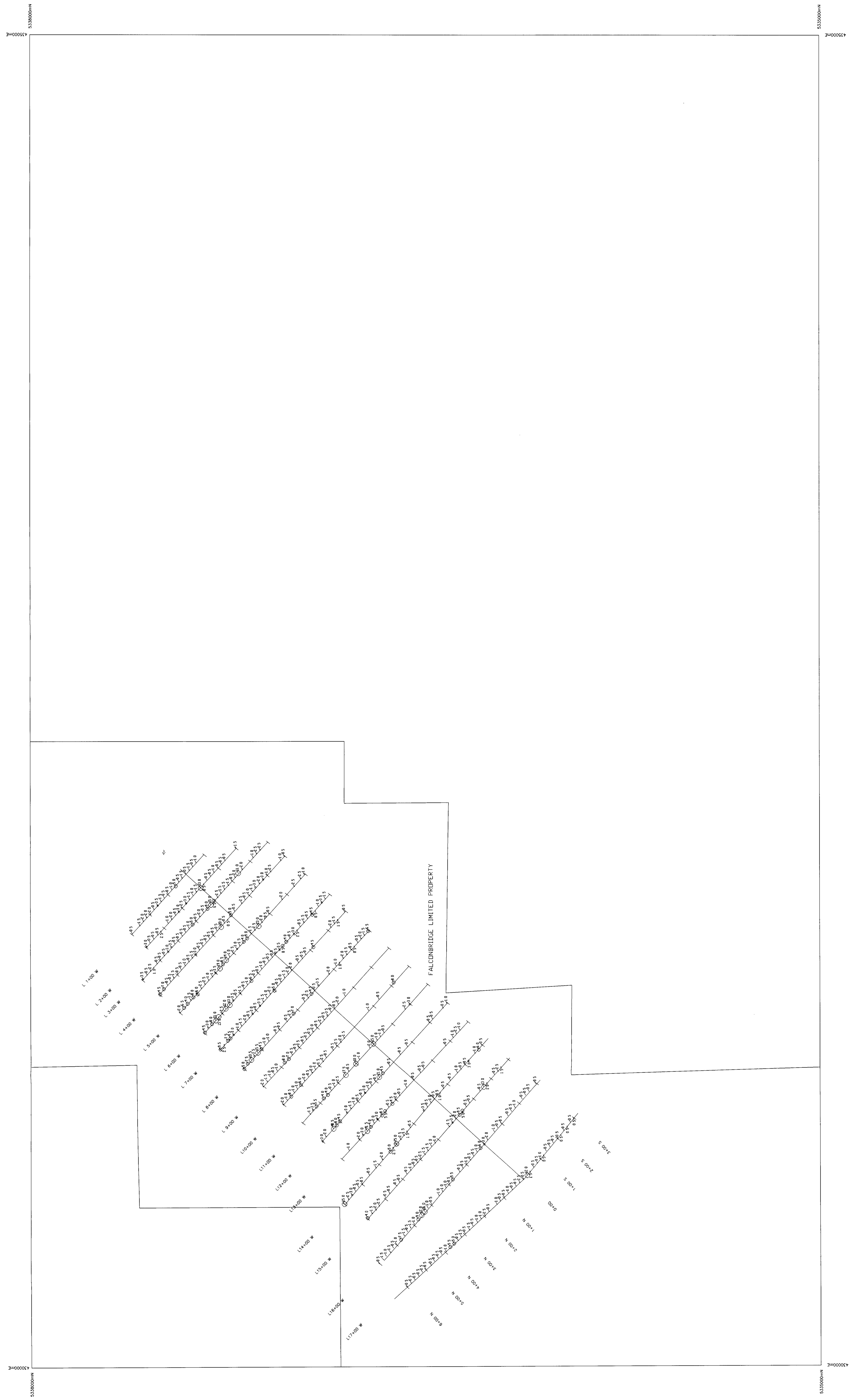
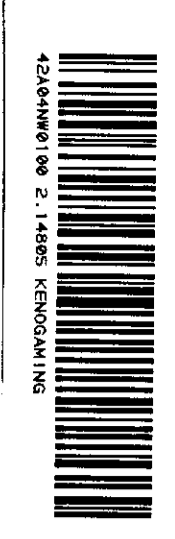
FALCONBRIDGE LIMITED
 Exploration Division

KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE I)

NICKEL (PPM)

PROJECT	2.14805	DATE	1992
DRAWN BY	D.S.G.	CHECKED BY	D.S.G.
DATE	1992	SCALE	AS SHOWN
PROJECT NO.	2.14805	SHEET NO.	01

D.S.G.
D.S.G.



INDEX MAP

405308	410535	415335	420535	425335	430535	435335	440535	445335	450535
405335	410532	415332	420532	425332	430532	435332	440532	445332	450532
405332	410529	415329	420529	425329	430529	435329	440529	445329	450529
405329	410526	415326	420526	425326	430526	435326	440526	445326	450526
405326	410523	415323	420523	425323	430523	435323	440523	445323	450523
405323	410520	415320	420520	425320	430520	435320	440520	445320	450520
405320	410517	415317	420517	425317	430517	435317	440517	445317	450517
405317	410514	415314	420514	425314	430514	435314	440514	445314	450514
405314	410511	415311	420511	425311	430511	435311	440511	445311	450511
405311	410508	415308	420508	425308	430508	435308	440508	445308	450508
405308	410505	415305	420505	425305	430505	435305	440505	445305	450505

UTM NORTH

ASTRONOMIC

LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: MAY 26 TO JUNE 9, 1992
 ANALYTICAL LAB: TSL/Assayers Lab., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 1.99 PPM	-
2.00 - 2.99 PPM	✓
3.00 - 8.99 PPM	○
>8.99 PPM	⊙

2.14805

FALCONBRIDGE LIMITED

Exploration Division

KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE I)

COBALT (PPM)

Terminus: 01/18/00

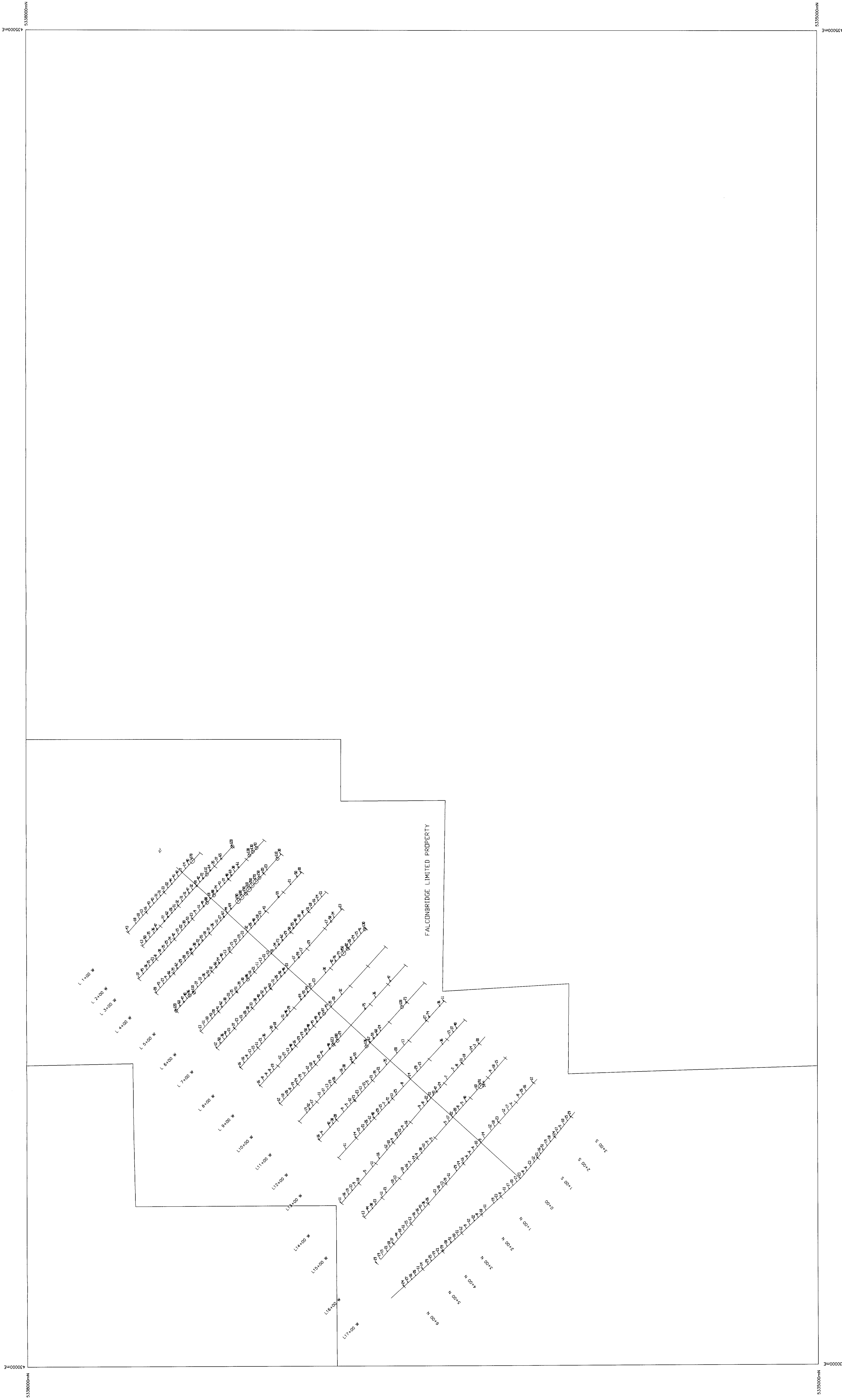
DATE: 10/92

SCALE: AS SHOWN

PROJECT: 819

FILE: 2.14805

DONG McLAUGHLIN



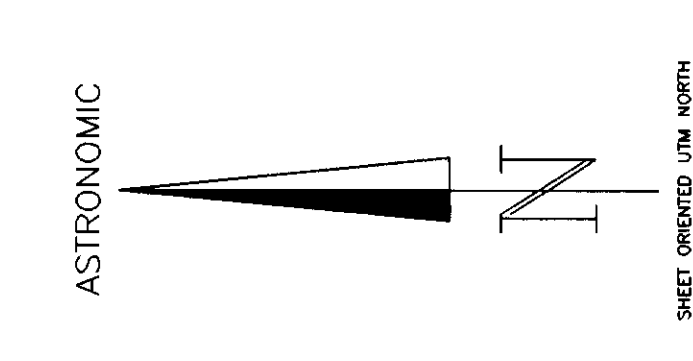
LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: MAY 26 TO JUNE 9, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 15.99	PPM ✓
16.00 - 45.99	PPM ✓
46.00 - 150.99	PPM ⊗
> 150.99	PPM ⊙

INDEX MAP

405338	410538	415538	420538	425538	430538	435538	440538	445338
405339	410539	415539	420539	425539	430539	435539	440539	445339
405340	410540	415540	420540	425540	430540	435540	440540	445340
405341	410541	415541	420541	425541	430541	435541	440541	445341
405342	410542	415542	420542	425542	430542	435542	440542	445342
405343	410543	415543	420543	425543	430543	435543	440543	445343
405344	410544	415544	420544	425544	430544	435544	440544	445344
405345	410545	415545	420545	425545	430545	435545	440545	445345
405346	410546	415546	420546	425546	430546	435546	440546	445346
405347	410547	415547	420547	425547	430547	435547	440547	445347
405348	410548	415548	420548	425548	430548	435548	440548	445348
405349	410549	415549	420549	425549	430549	435549	440549	445349
405350	410550	415550	420550	425550	430550	435550	440550	445350
405351	410551	415551	420551	425551	430551	435551	440551	445351
405352	410552	415552	420552	425552	430552	435552	440552	445352
405353	410553	415553	420553	425553	430553	435553	440553	445353
405354	410554	415554	420554	425554	430554	435554	440554	445354
405355	410555	415555	420555	425555	430555	435555	440555	445355
405356	410556	415556	420556	425556	430556	435556	440556	445356
405357	410557	415557	420557	425557	430557	435557	440557	445357
405358	410558	415558	420558	425558	430558	435558	440558	445358
405359	410559	415559	420559	425559	430559	435559	440559	445359
405360	410560	415560	420560	425560	430560	435560	440560	445360
405361	410561	415561	420561	425561	430561	435561	440561	445361
405362	410562	415562	420562	425562	430562	435562	440562	445362
405363	410563	415563	420563	425563	430563	435563	440563	445363
405364	410564	415564	420564	425564	430564	435564	440564	445364
405365	410565	415565	420565	425565	430565	435565	440565	445365
405366	410566	415566	420566	425566	430566	435566	440566	445366
405367	410567	415567	420567	425567	430567	435567	440567	445367
405368	410568	415568	420568	425568	430568	435568	440568	445368
405369	410569	415569	420569	425569	430569	435569	440569	445369
405370	410570	415570	420570	425570	430570	435570	440570	445370
405371	410571	415571	420571	425571	430571	435571	440571	445371
405372	410572	415572	420572	425572	430572	435572	440572	445372
405373	410573	415573	420573	425573	430573	435573	440573	445373
405374	410574	415574	420574	425574	430574	435574	440574	445374
405375	410575	415575	420575	425575	430575	435575	440575	445375
405376	410576	415576	420576	425576	430576	435576	440576	445376
405377	410577	415577	420577	425577	430577	435577	440577	445377
405378	410578	415578	420578	425578	430578	435578	440578	445378
405379	410579	415579	420579	425579	430579	435579	440579	445379
405380	410580	415580	420580	425580	430580	435580	440580	445380
405381	410581	415581	420581	425581	430581	435581	440581	445381
405382	410582	415582	420582	425582	430582	435582	440582	445382
405383	410583	415583	420583	425583	430583	435583	440583	445383
405384	410584	415584	420584	425584	430584	435584	440584	445384
405385	410585	415585	420585	425585	430585	435585	440585	445385
405386	410586	415586	420586	425586	430586	435586	440586	445386
405387	410587	415587	420587	425587	430587	435587	440587	445387
405388	410588	415588	420588	425588	430588	435588	440588	445388
405389	410589	415589	420589	425589	430589	435589	440589	445389
405390	410590	415590	420590	425590	430590	435590	440590	445390
405391	410591	415591	420591	425591	430591	435591	440591	445391
405392	410592	415592	420592	425592	430592	435592	440592	445392
405393	410593	415593	420593	425593	430593	435593	440593	445393
405394	410594	415594	420594	425594	430594	435594	440594	445394
405395	410595	415595	420595	425595	430595	435595	440595	445395
405396	410596	415596	420596	425596	430596	435596	440596	445396
405397	410597	415597	420597	425597	430597	435597	440597	445397
405398	410598	415598	420598	425598	430598	435598	440598	445398
405399	410599	415599	420599	425599	430599	435599	440599	445399
405400	410600	415600	420600	425600	430600	435600	440600	445400

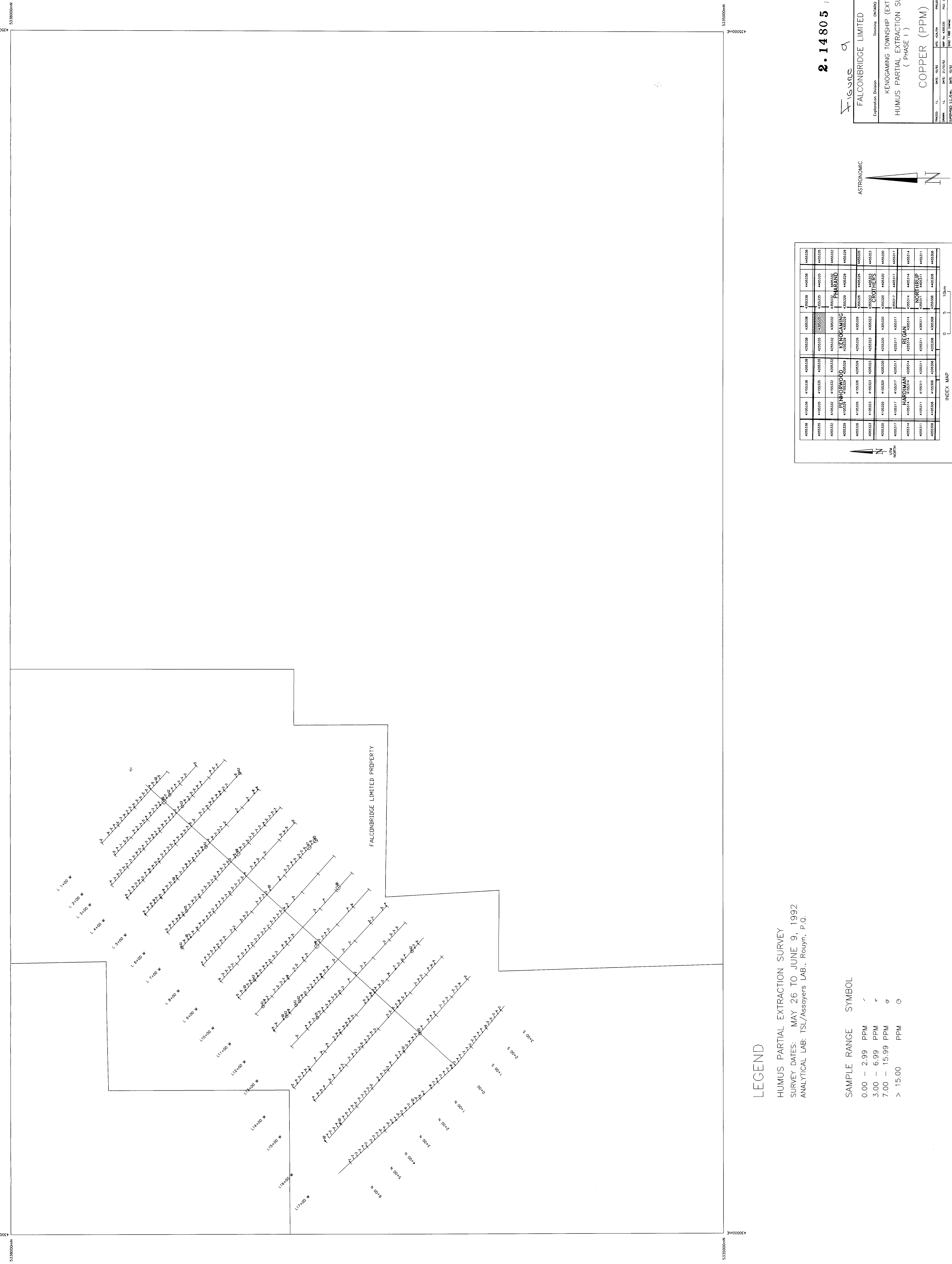


2.14805

FALCONBRIDGE LIMITED
 Exploration Division
 KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE 1)
 ZINC (PPM)

DATE: 7/7/92
 DRAWN BY: J. L. BROWN
 CHECKED BY: J. L. BROWN
 PROJECT: 8774

DAVE McLAUGHLIN



LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: MAY 26 TO JUNE 9, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.Q.

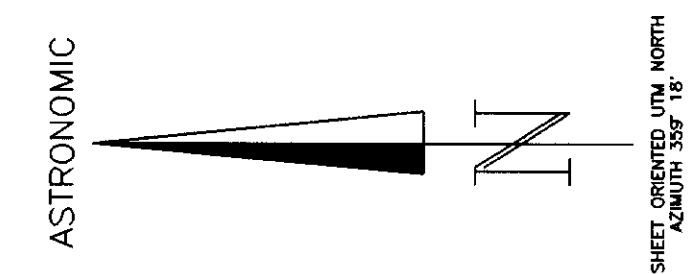
SAMPLE RANGE	SYMBOL
0.00 - 2.99 PPM	✓
3.00 - 6.99 PPM	♦
7.00 - 15.99 PPM	σ
> 15.00 PPM	⊙

	1	2	3	4	5	6	7	8	9	10
1	4051308	4101308	4151308	4201308	4251308	4301308	4351308	4401308	4451308	4501308
2	4051338	4101338	4151338	4201338	4251338	4301338	4351338	4401338	4451338	4501338
3	4051368	4101368	4151368	4201368	4251368	4301368	4351368	4401368	4451368	4501368
4	4051398	4101398	4151398	4201398	4251398	4301398	4351398	4401398	4451398	4501398
5	4051428	4101428	4151428	4201428	4251428	4301428	4351428	4401428	4451428	4501428
6	4051458	4101458	4151458	4201458	4251458	4301458	4351458	4401458	4451458	4501458
7	4051488	4101488	4151488	4201488	4251488	4301488	4351488	4401488	4451488	4501488
8	4051518	4101518	4151518	4201518	4251518	4301518	4351518	4401518	4451518	4501518
9	4051548	4101548	4151548	4201548	4251548	4301548	4351548	4401548	4451548	4501548
10	4051578	4101578	4151578	4201578	4251578	4301578	4351578	4401578	4451578	4501578

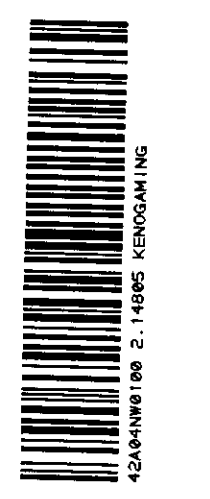
FALCONBRIDGE LIMITED
 Kenogaming Township (Ext.)
 Humus Partial Extraction Survey
 (Phase I)
COPPER (PPM)

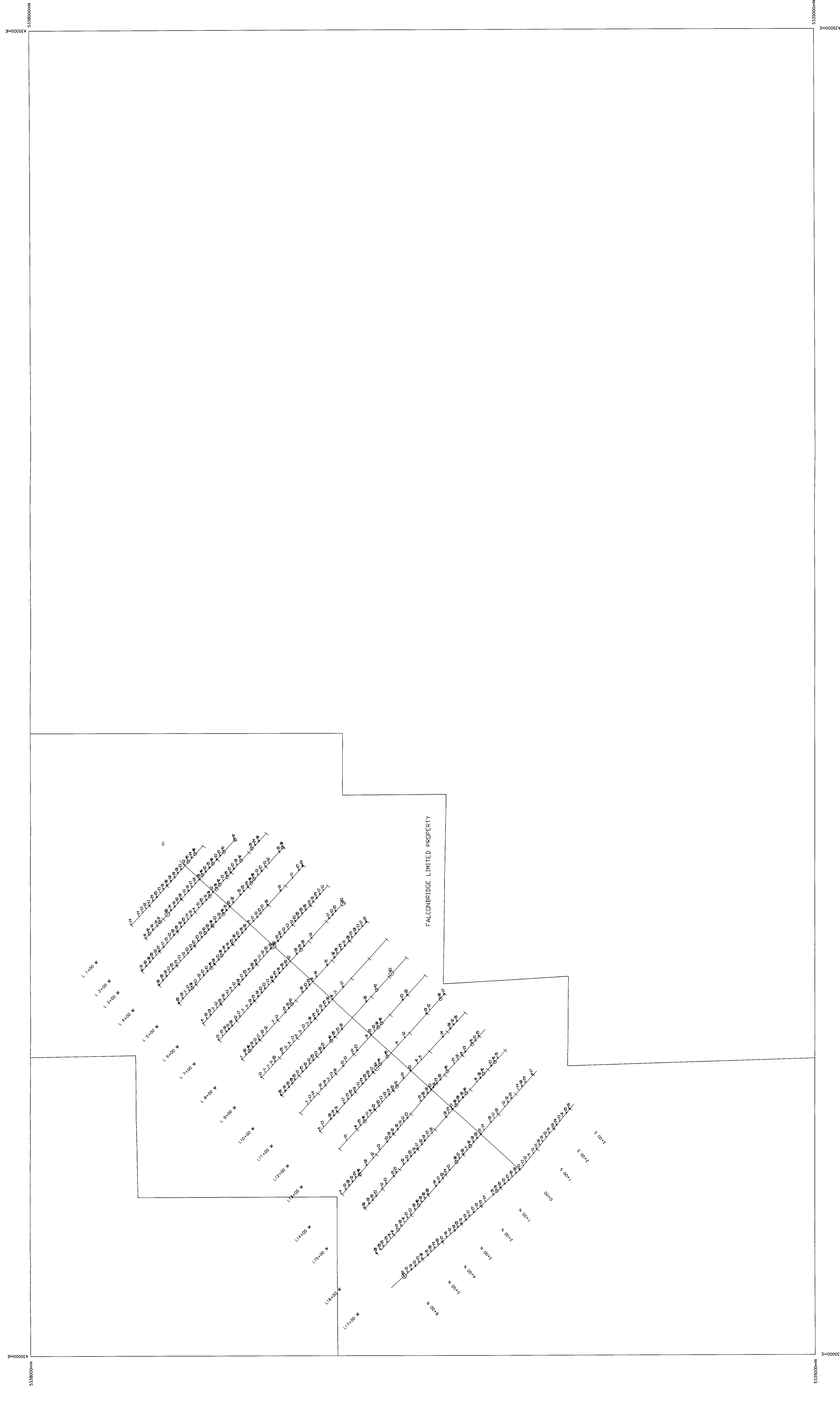
Figure 9

DATE: 20/02/92
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]



Doug McLaughlin
 2590





INDEX MAP

4050338	4105338	4155338	4205338	4255338	4305338	4355338	4405338	4450338
4050335	4105335	4155335	4205335	4255335	4305335	4355335	4405335	4450335
4050332	4105332	4155332	4205332	4255332	4305332	4355332	4405332	4450332
4050329	4105329	4155329	4205329	4255329	4305329	4355329	4405329	4450329
4050326	4105326	4155326	4205326	4255326	4305326	4355326	4405326	4450326
4050323	4105323	4155323	4205323	4255323	4305323	4355323	4405323	4450323
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4050314	4105314	4155314	4205314	4255314	4305314	4355314	4405314	4450314
4050311	4105311	4155311	4205311	4255311	4305311	4355311	4405311	4450311
4050308	4105308	4155308	4205308	4255308	4305308	4355308	4405308	4450308

LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: MAY 26 TO JUNE 9, 1992
 ANALYTICAL LAB: TSL/Assayers Lab., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 15.99 PPM	✓
16.00 - 35.99 PPM	∨
36.00 - 50.99 PPM	⊙
> 50.99 PPM	⊚

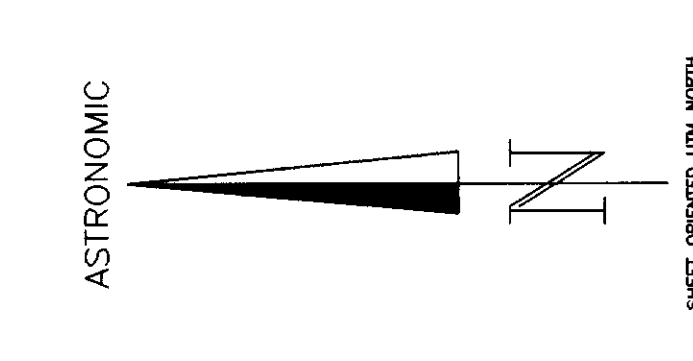


Figure 10

2.14805

FALCONBRIDGE LIMITED

KENOGAMING TOWNSHIP (EXT)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE 1)
 LEAD (PPM)

DATE: 11/92
 DATE: 11/92
 DATE: 11/92

DEVELOPED I.C./M. DATE: 11/92
 DATE: 11/92
 DATE: 11/92

REVISIONS

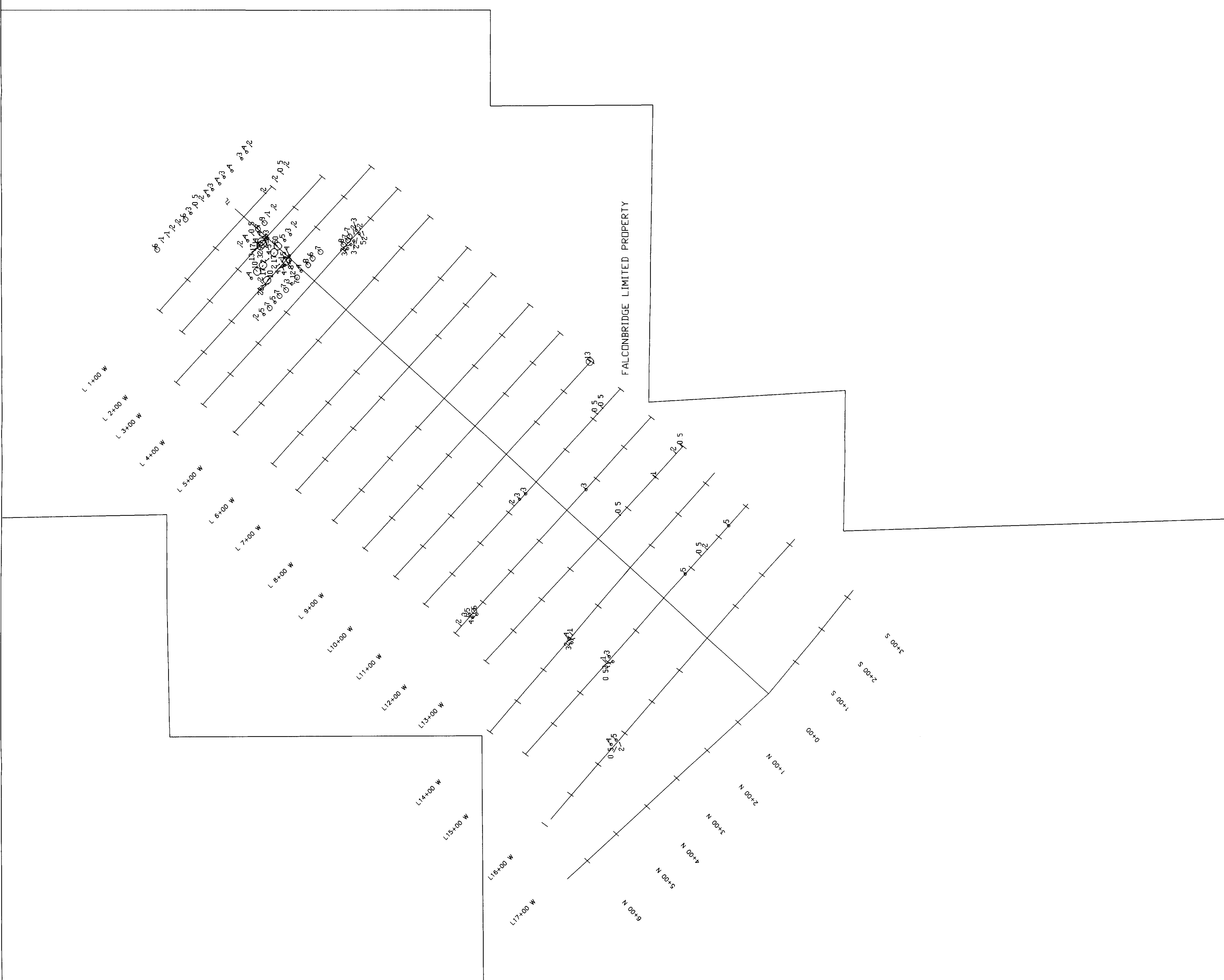
DEWS McLAUGHLIN

5350000m

5350000m

4350000m

4350000m

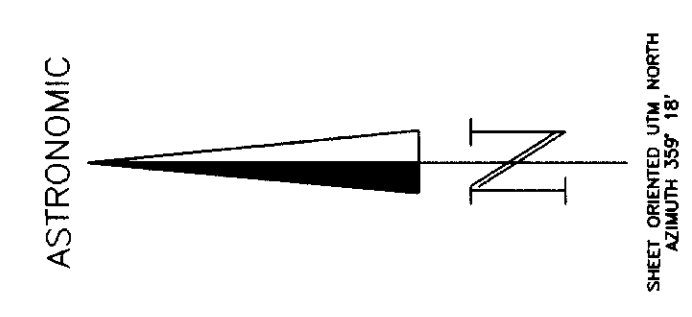


LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 - AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers Lab., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 2.99 PPM	-
3.00 - 5.99 PPM	•
6.00 - 9.99 PPM	o
> 9.99 PPM	o

INDEX MAP		0		500m	
4405338	4105338	4205338	4305338	4405338	4505338
4405339	4105339	4205339	4305339	4405339	4505339
4405340	4105340	4205340	4305340	4405340	4505340
4405341	4105341	4205341	4305341	4405341	4505341
4405342	4105342	4205342	4305342	4405342	4505342
4405343	4105343	4205343	4305343	4405343	4505343
4405344	4105344	4205344	4305344	4405344	4505344
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4405350	4105350	4205350	4305350	4405350	4505350
4405351	4105351	4205351	4305351	4405351	4505351
4405352	4105352	4205352	4305352	4405352	4505352
4405353	4105353	4205353	4305353	4405353	4505353
4405354	4105354	4205354	4305354	4405354	4505354
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4405360	4105360	4205360	4305360	4405360	4505360
4405361	4105361	4205361	4305361	4405361	4505361
4405362	4105362	4205362	4305362	4405362	4505362
4405363	4105363	4205363	4305363	4405363	4505363
4405364	4105364	4205364	4305364	4405364	4505364
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4405373	4105373	4205373	4305373	4405373	4505373
4405374	4105374	4205374	4305374	4405374	4505374
4405375	4105375	4205375	4305375	4405375	4505375
4405376	4105376	4205376	4305376	4405376	4505376
4405377	4105377	4205377	4305377	4405377	4505377
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4405380	4105380	4205380	4305380	4405380	4505380
4405381	4105381	4205381	4305381	4405381	4505381
4405382	4105382	4205382	4305382	4405382	4505382
4405383	4105383	4205383	4305383	4405383	4505383
4405384	4105384	4205384	4305384	4405384	4505384
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4405389	4105389	4205389	4305389	4405389	4505389
4405390	4105390	4205390	4305390	4405390	4505390
4405391	4105391	4205391	4305391	4405391	4505391
4405392	4105392	4205392	4305392	4405392	4505392
4405393	4105393	4205393	4305393	4405393	4505393
4405394	4105394	4205394	4305394	4405394	4505394
4405395	4105395	4205395	4305395	4405395	4505395
4405396	4105396	4205396	4305396	4405396	4505396
4405397	4105397	4205397	4305397	4405397	4505397
4405398	4105398	4205398	4305398	4405398	4505398
4405399	4105399	4205399	4305399	4405399	4505399
4405400	4105400	4205400	4305400	4405400	4505400



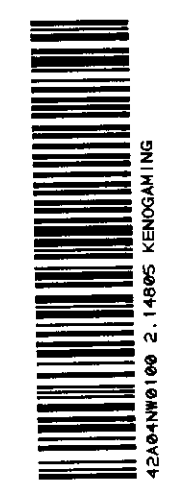
ASTRONOMIC
 NORTH
 1:50,000 Scale
 1:50,000 Scale

2.14805

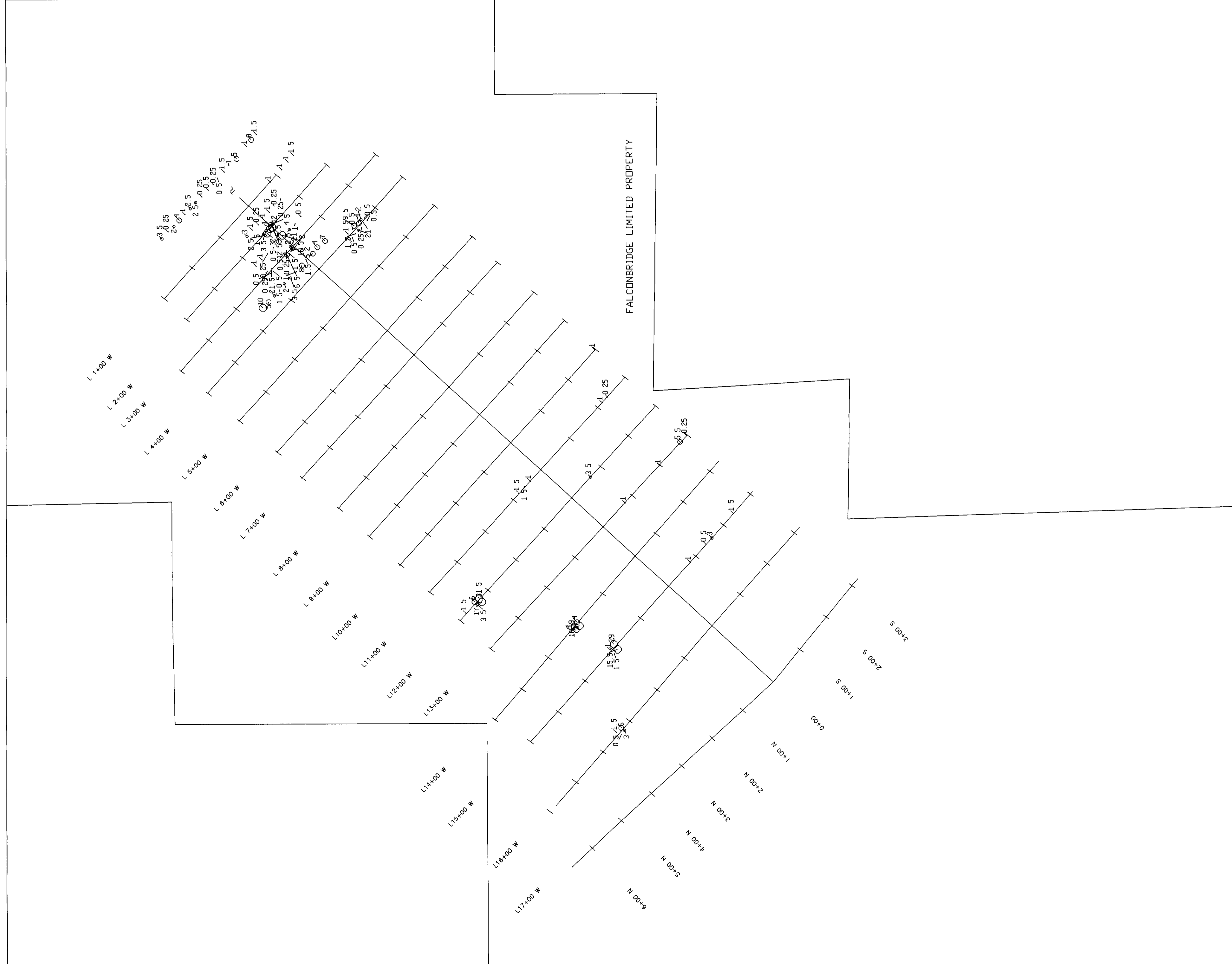
FALCONBRIDGE LIMITED
 Exploration Division
 KENOGAMING TOWNSHIP (EXT)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE II)
NICKEL (PPM)

APPROVED BY: [Signature]
 DATE: [Date]

DATE: [Date]
 FILE: [File Name]
 FILE: [File Name]
 FILE: [File Name]



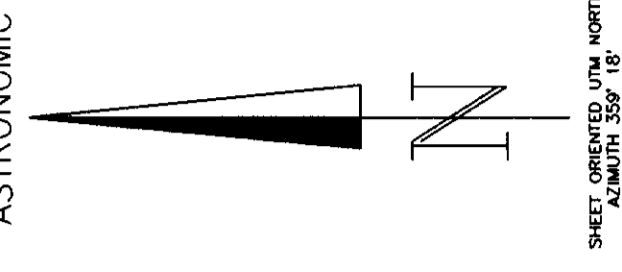
Done McLaughlin
 [Signature]



LEGEND
 HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 - AUG. 14, 1992
 ANALYTICAL LAB: TSI/Assayers LAB., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 1.99 PPM	∩
2.00 - 3.99 PPM	∪
4.00 - 9.99 PPM	⊕
> 9.99 PPM	⊙

4450308	4450309	4450310	4450311	4450312	4450313	4450314	4450315	4450316	4450317	4450318	4450319	4450320	4450321	4450322	4450323	4450324	4450325	4450326	4450327	4450328	4450329	4450330	4450331	4450332	4450333	4450334	4450335	4450336	4450337	4450338	4450339	4450340	



27148C5
 Falconbridge Limited
 KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE II)
 COBALT (PPM)

EXPLORED BY: R. L. COOPER
 DATE: 1992
 SCALE: 1:5000
 PROJECT: 27148C5



320



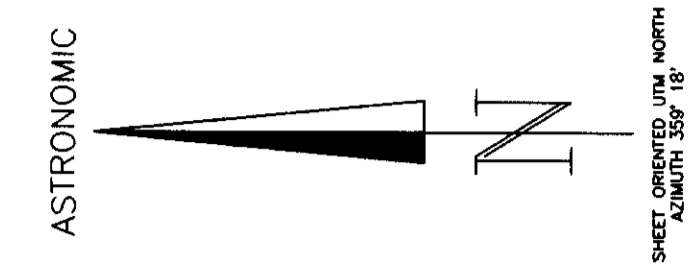
LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSI/Assosyers LAB., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 69.00	PPM -
70.00 - 89.00	PPM *
90.00 - 160.00	PPM o
> 160.00	PPM o

INDEX MAP

405338	405339	405340	405341	405342	405343	405344	405345	405346	405347	405348	405349	405350	405351	405352	405353	405354	405355	405356	405357	405358	405359	405360	405361	405362	405363	405364	405365	405366	405367	405368	405369	405370	405371	405372	405373	405374	405375	405376	405377	405378	405379	405380	405381	405382	405383	405384	405385	405386	405387	405388	405389	405390	405391	405392	405393	405394	405395	405396	405397	405398	405399	405400
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

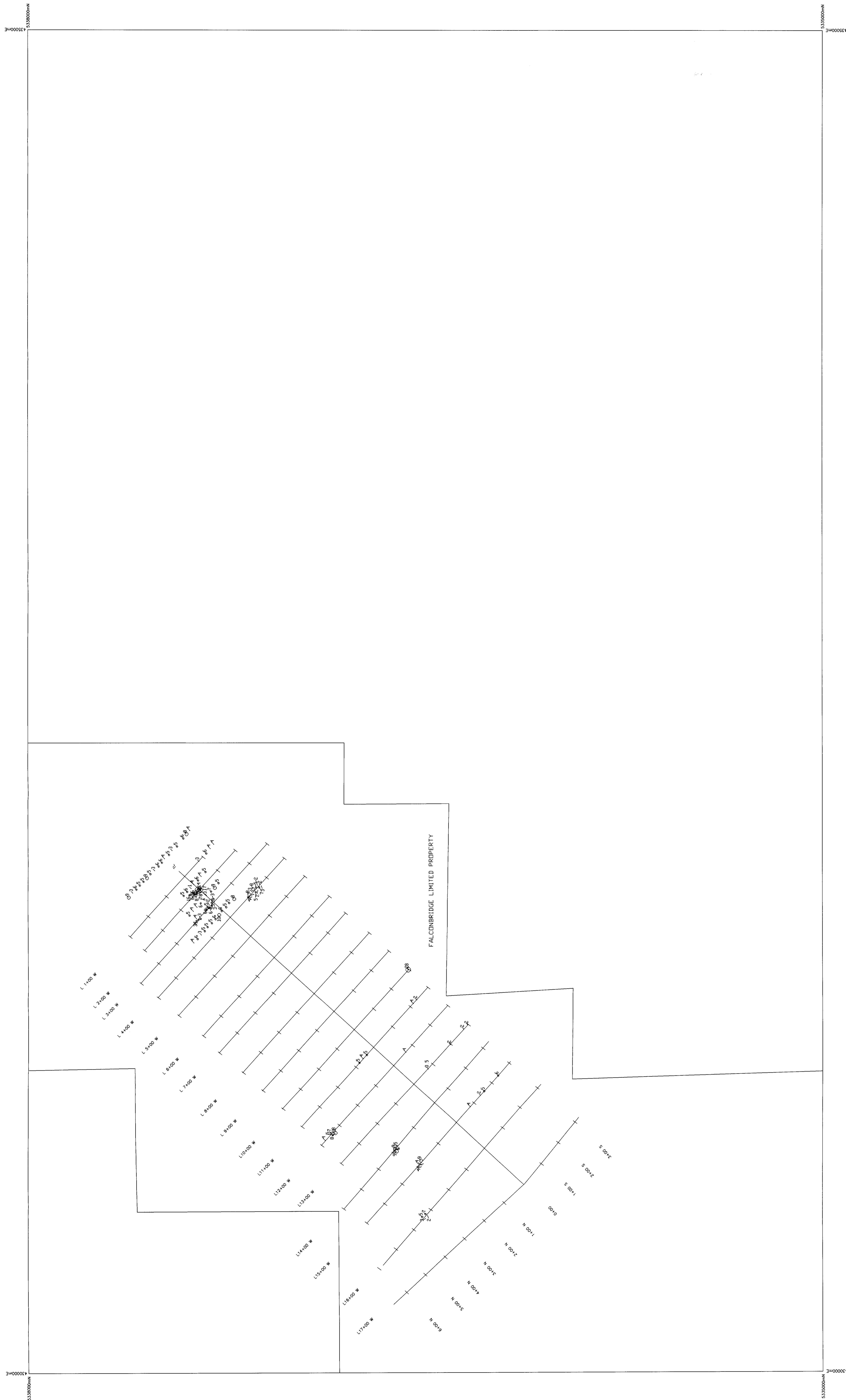


2-14805

FALCONBRIDGE LIMITED
 Exploration Division
 Kenogaming
 Kenogaming Township (Ext.)
 Humus Partial Extraction Survey
 (Phase II)
 ZINC (PPM)

DATE: 07/92
 PROJECT: 879
 MAP NO.: 405335 FILE: 204047
 SURVEYED BY: [Signature]
 DATE: 07/92
 PROJECT: 879
 MAP NO.: 405335 FILE: 204047
 SURVEYED BY: [Signature]
 DATE: 07/92



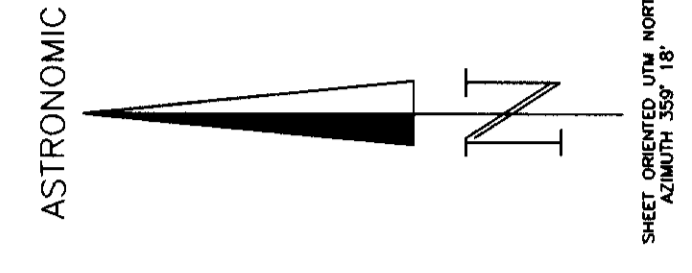


LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 4.99 PPM	✓
5.00 - 7.99 PPM	∨
8.00 - 10.99 PPM	⊙
> 10.99 PPM	⊗

INDEX MAP	
4000308	4100308
4000310	4100310
4000312	4100312
4000314	4100314
4000316	4100316
4000318	4100318
4000320	4100320
4000322	4100322
4000324	4100324
4000326	4100326
4000328	4100328
4000330	4100330
4000332	4100332
4000334	4100334
4000336	4100336
4000338	4100338
4000340	4100340
4000342	4100342
4000344	4100344
4000346	4100346
4000348	4100348
4000350	4100350
4000352	4100352
4000354	4100354
4000356	4100356
4000358	4100358
4000360	4100360
4000362	4100362
4000364	4100364
4000366	4100366
4000368	4100368
4000370	4100370
4000372	4100372
4000374	4100374
4000376	4100376
4000378	4100378
4000380	4100380
4000382	4100382
4000384	4100384
4000386	4100386
4000388	4100388
4000390	4100390
4000392	4100392
4000394	4100394
4000396	4100396
4000398	4100398
4000400	4100400



2.14805

Source 14

FALCONBRIDGE LIMITED

Exploration Division

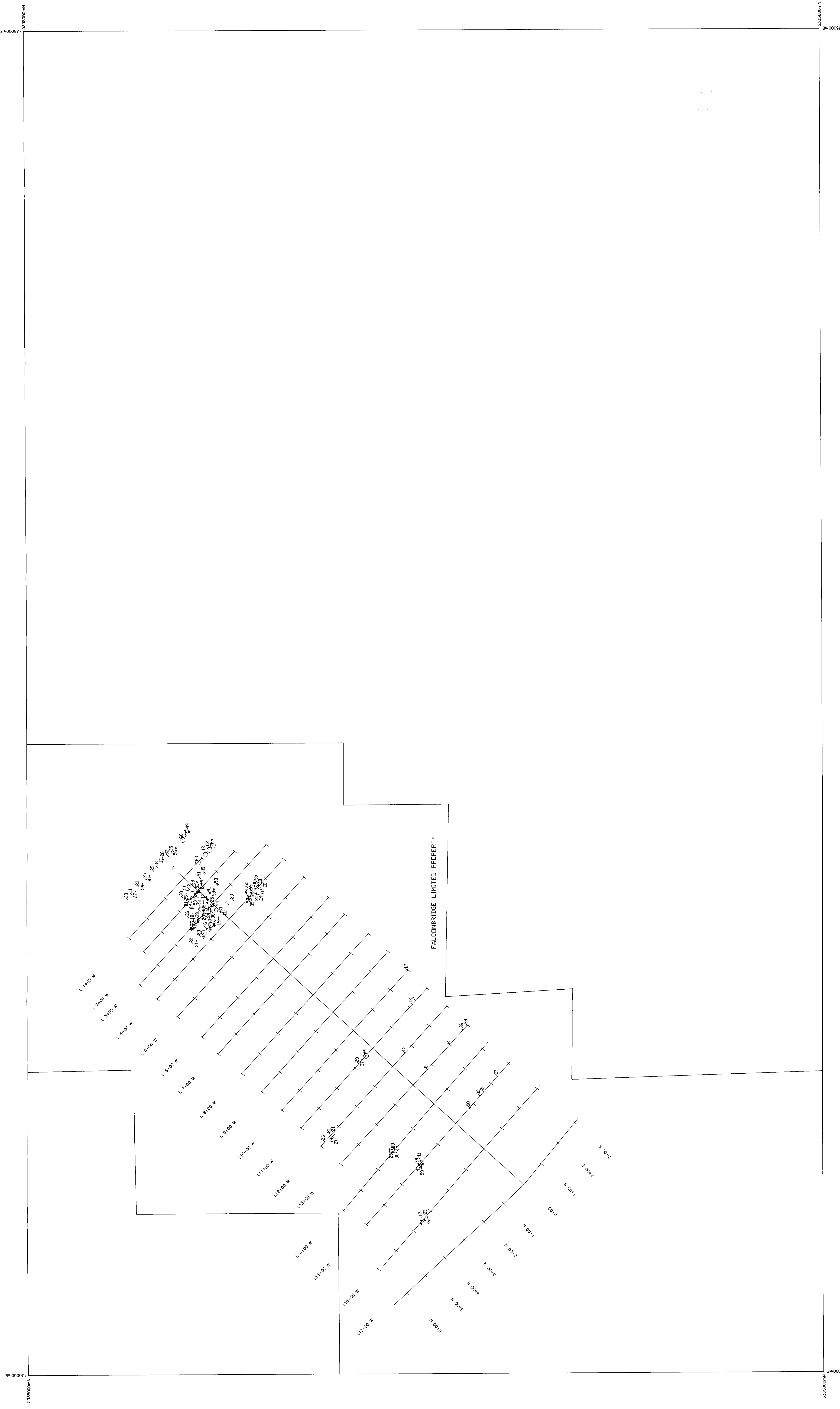
KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE II)

COPPER (PPM)

DATE: 08/29/92
 DRAWN BY: J. G. BROWN
 CHECKED BY: J. G. BROWN
 DATE: 08/29/92
 PROJECT: 2.14805



DOUG McLAUGHLIN



LEGEND

HUMUS PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 29.99 PPM	✓
30.00 - 39.99 PPM	✓
40.00 - 59.99 PPM	⊖
> 59.99 PPM	⊙

INDEX MAP

4405308	4405309	4405310	4405311	4405312	4405313	4405314	4405315	4405316	4405317	4405318	4405319	4405320
4405321	4405322	4405323	4405324	4405325	4405326	4405327	4405328	4405329	4405330	4405331	4405332	4405333
4405334	4405335	4405336	4405337	4405338	4405339	4405340	4405341	4405342	4405343	4405344	4405345	4405346
4405347	4405348	4405349	4405350	4405351	4405352	4405353	4405354	4405355	4405356	4405357	4405358	4405359
4405360	4405361	4405362	4405363	4405364	4405365	4405366	4405367	4405368	4405369	4405370	4405371	4405372
4405373	4405374	4405375	4405376	4405377	4405378	4405379	4405380	4405381	4405382	4405383	4405384	4405385
4405386	4405387	4405388	4405389	4405390	4405391	4405392	4405393	4405394	4405395	4405396	4405397	4405398
4405399	4405400	4405401	4405402	4405403	4405404	4405405	4405406	4405407	4405408	4405409	4405410	4405411
4405412	4405413	4405414	4405415	4405416	4405417	4405418	4405419	4405420	4405421	4405422	4405423	4405424
4405425	4405426	4405427	4405428	4405429	4405430	4405431	4405432	4405433	4405434	4405435	4405436	4405437
4405438	4405439	4405440	4405441	4405442	4405443	4405444	4405445	4405446	4405447	4405448	4405449	4405450

UTM NORTH

0 5 10m

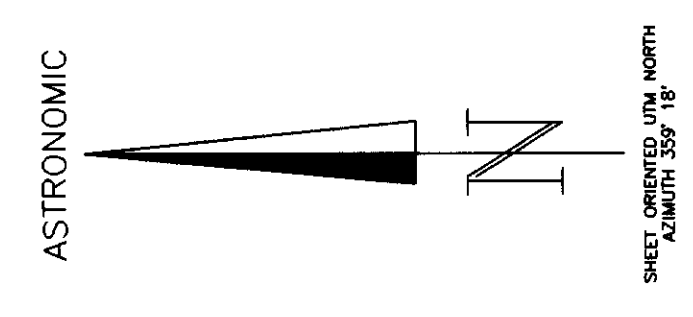
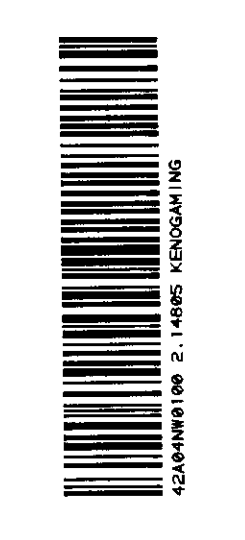


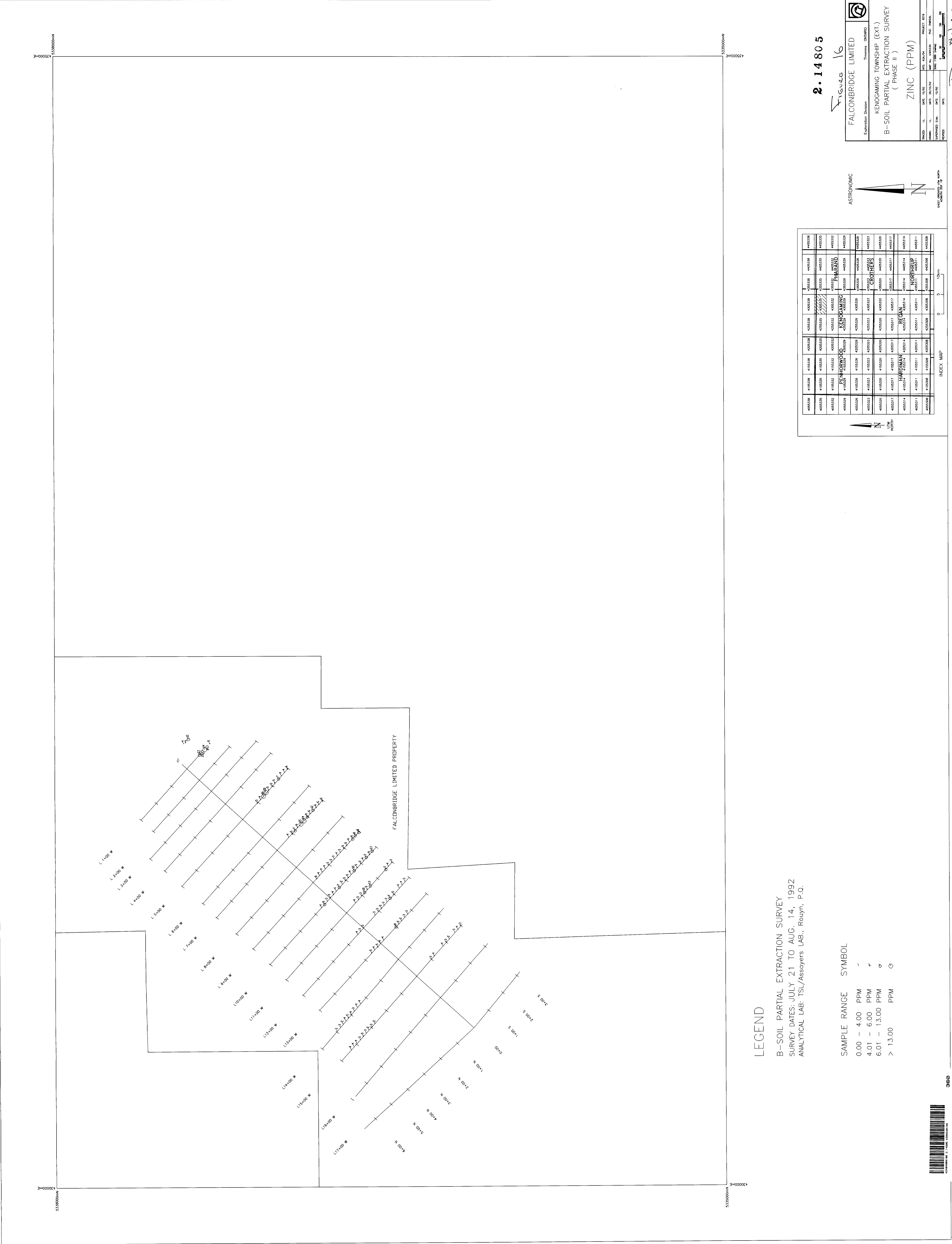
Fig. 14805

FALCONBRIDGE LIMITED
 Exploration Division
 KENOGAMING TOWNSHIP (EXT.)
 HUMUS PARTIAL EXTRACTION SURVEY
 (PHASE II)
 LEAD (PPM)

DATE: 08/72
 SCALE: 1:5000
 PROJECT: 870
 DRAWING: 14805
 SHEET: 15
 TOTAL SHEETS: 38

DOUG McLAUGHLIN



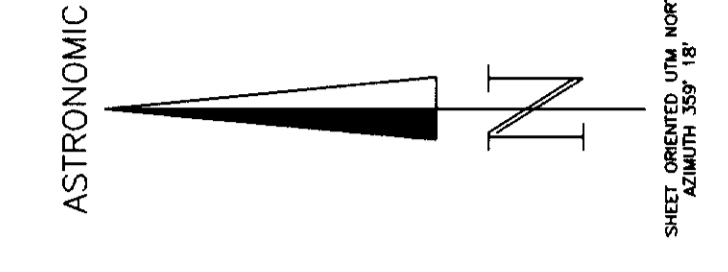


LEGEND
 B-SOIL PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers Lab., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 4.00 PPM	✓
4.01 - 6.00 PPM	∗
6.01 - 13.00 PPM	⊙
> 13.00 PPM	⊗

INDEX MAP

4050308	4105308	4205308	4305308	4405308	4505308	4605308	4705308	4805308	4905308	5005308
4050309	4105309	4205309	4305309	4405309	4505309	4605309	4705309	4805309	4905309	5005309
4050310	4105310	4205310	4305310	4405310	4505310	4605310	4705310	4805310	4905310	5005310
4050311	4105311	4205311	4305311	4405311	4505311	4605311	4705311	4805311	4905311	5005311
4050312	4105312	4205312	4305312	4405312	4505312	4605312	4705312	4805312	4905312	5005312
4050313	4105313	4205313	4305313	4405313	4505313	4605313	4705313	4805313	4905313	5005313
4050314	4105314	4205314	4305314	4405314	4505314	4605314	4705314	4805314	4905314	5005314
4050315	4105315	4205315	4305315	4405315	4505315	4605315	4705315	4805315	4905315	5005315
4050316	4105316	4205316	4305316	4405316	4505316	4605316	4705316	4805316	4905316	5005316
4050317	4105317	4205317	4305317	4405317	4505317	4605317	4705317	4805317	4905317	5005317
4050318	4105318	4205318	4305318	4405318	4505318	4605318	4705318	4805318	4905318	5005318
4050319	4105319	4205319	4305319	4405319	4505319	4605319	4705319	4805319	4905319	5005319
4050320	4105320	4205320	4305320	4405320	4505320	4605320	4705320	4805320	4905320	5005320
4050321	4105321	4205321	4305321	4405321	4505321	4605321	4705321	4805321	4905321	5005321
4050322	4105322	4205322	4305322	4405322	4505322	4605322	4705322	4805322	4905322	5005322
4050323	4105323	4205323	4305323	4405323	4505323	4605323	4705323	4805323	4905323	5005323
4050324	4105324	4205324	4305324	4405324	4505324	4605324	4705324	4805324	4905324	5005324
4050325	4105325	4205325	4305325	4405325	4505325	4605325	4705325	4805325	4905325	5005325
4050326	4105326	4205326	4305326	4405326	4505326	4605326	4705326	4805326	4905326	5005326
4050327	4105327	4205327	4305327	4405327	4505327	4605327	4705327	4805327	4905327	5005327
4050328	4105328	4205328	4305328	4405328	4505328	4605328	4705328	4805328	4905328	5005328
4050329	4105329	4205329	4305329	4405329	4505329	4605329	4705329	4805329	4905329	5005329
4050330	4105330	4205330	4305330	4405330	4505330	4605330	4705330	4805330	4905330	5005330
4050331	4105331	4205331	4305331	4405331	4505331	4605331	4705331	4805331	4905331	5005331
4050332	4105332	4205332	4305332	4405332	4505332	4605332	4705332	4805332	4905332	5005332
4050333	4105333	4205333	4305333	4405333	4505333	4605333	4705333	4805333	4905333	5005333
4050334	4105334	4205334	4305334	4405334	4505334	4605334	4705334	4805334	4905334	5005334
4050335	4105335	4205335	4305335	4405335	4505335	4605335	4705335	4805335	4905335	5005335
4050336	4105336	4205336	4305336	4405336	4505336	4605336	4705336	4805336	4905336	5005336
4050337	4105337	4205337	4305337	4405337	4505337	4605337	4705337	4805337	4905337	5005337
4050338	4105338	4205338	4305338	4405338	4505338	4605338	4705338	4805338	4905338	5005338
4050339	4105339	4205339	4305339	4405339	4505339	4605339	4705339	4805339	4905339	5005339
4050340	4105340	4205340	4305340	4405340	4505340	4605340	4705340	4805340	4905340	5005340

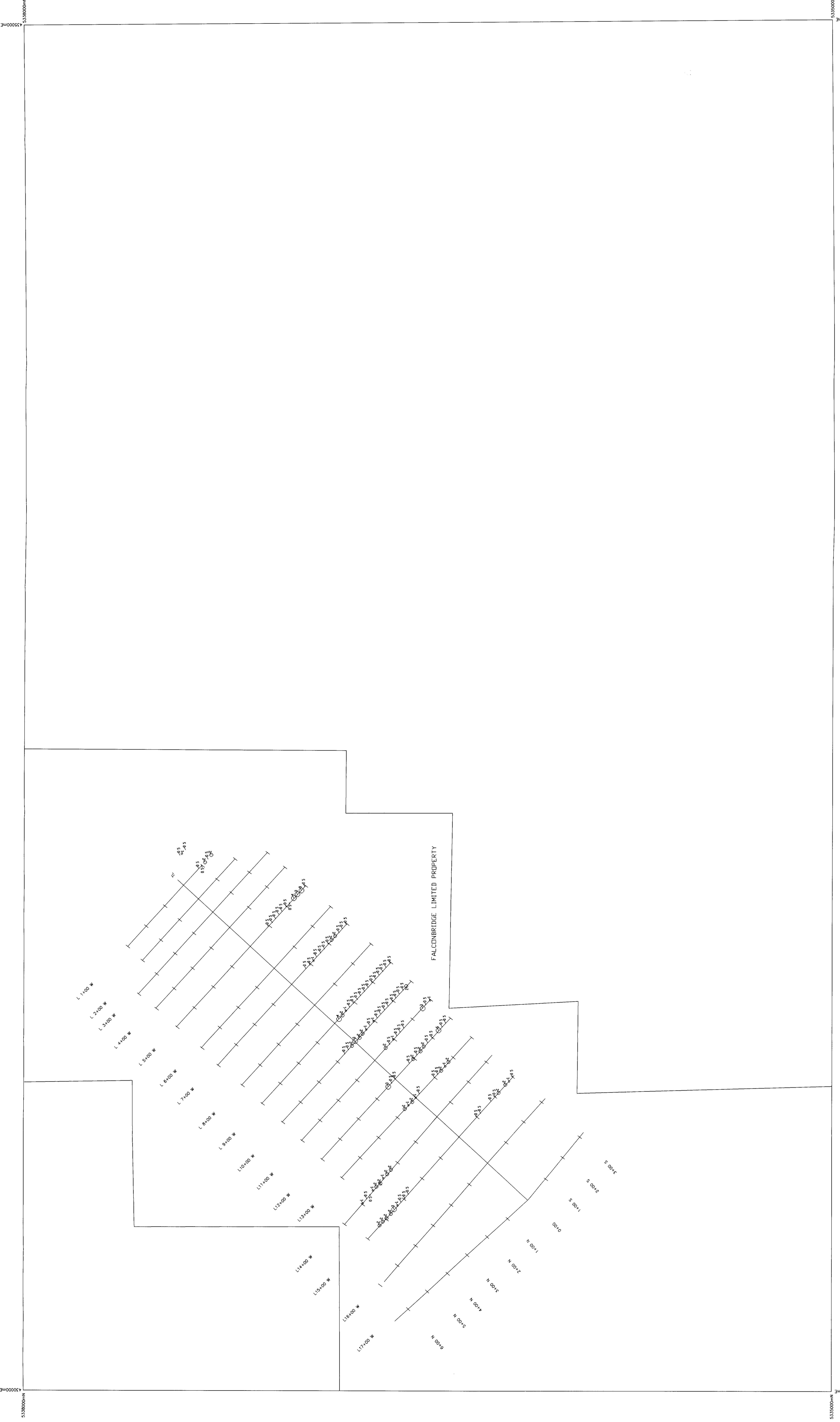


2.14805
FIGURE 16
FALCONBRIDGE LIMITED
 Exploration Division
 KENOGAMING TOWNSHIP (EXT.)
 B-SOIL PARTIAL EXTRACTION SURVEY
 (PHASE II)
ZINC (PPM)

DATE	21 JUL 1992	DATE	14 AUG 1992
BY	DL	BY	DL
CHECKED	DL	CHECKED	DL
DATE	21 JUL 1992	DATE	14 AUG 1992
BY	DL	BY	DL
CHECKED	DL	CHECKED	DL
DATE	21 JUL 1992	DATE	14 AUG 1992
BY	DL	BY	DL
CHECKED	DL	CHECKED	DL

D. McLaughlin



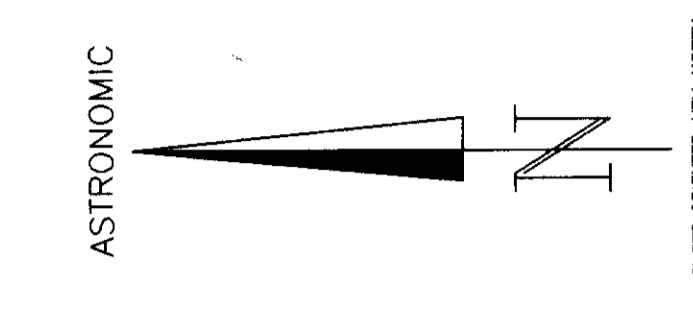


LEGEND

B-SOIL PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 0.79 PPM	✓
0.80 - 1.59 PPM	•
1.06 - 2.39 PPM	o
> 2.39 PPM	o

4053338	4053339	4053340	4053341	4053342	4053343	4053344	4053345	4053346	4053347	4053348	4053349	4053350	4053351	4053352	4053353	4053354	4053355	4053356	4053357	4053358	4053359	4053360	4053361	4053362	4053363	4053364	4053365	4053366	4053367	4053368	4053369	4053370	4053371	4053372	4053373	4053374	4053375	4053376	4053377	4053378	4053379	4053380	4053381	4053382	4053383	4053384	4053385	4053386	4053387	4053388	4053389	4053390	4053391	4053392	4053393	4053394	4053395	4053396	4053397	4053398	4053399	4053400
4053338	4053339	4053340	4053341	4053342	4053343	4053344	4053345	4053346	4053347	4053348	4053349	4053350	4053351	4053352	4053353	4053354	4053355	4053356	4053357	4053358	4053359	4053360	4053361	4053362	4053363	4053364	4053365	4053366	4053367	4053368	4053369	4053370	4053371	4053372	4053373	4053374	4053375	4053376	4053377	4053378	4053379	4053380	4053381	4053382	4053383	4053384	4053385	4053386	4053387	4053388	4053389	4053390	4053391	4053392	4053393	4053394	4053395	4053396	4053397	4053398	4053399	4053400

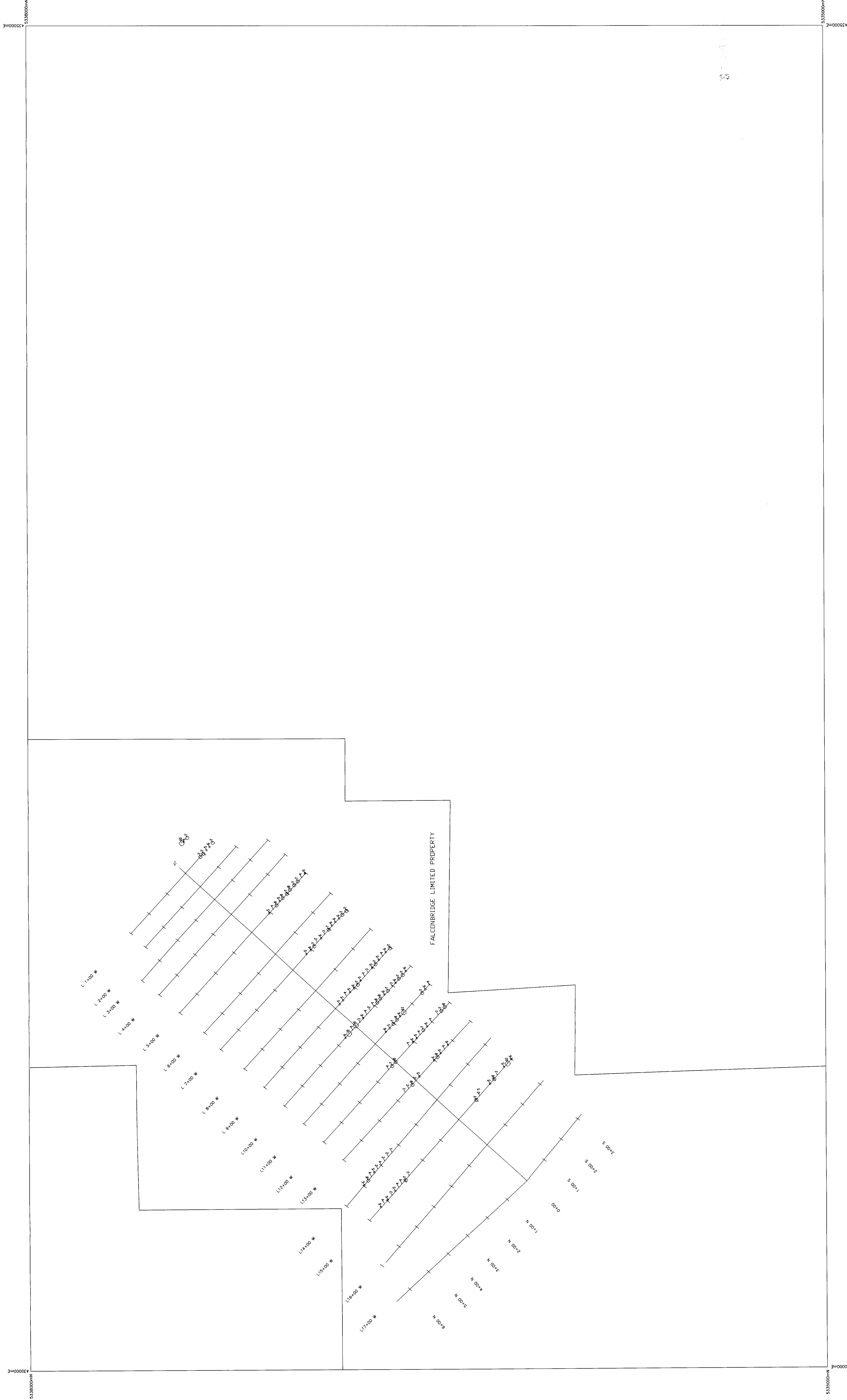


2.148C5

FALCONBRIDGE LIMITED
 Exploration Division
 Kenogaming Township (Ext.)
 B-SOIL PARTIAL EXTRACTION SURVEY (Phase II)
 COPPER (PPM)

DATE: 1992
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]



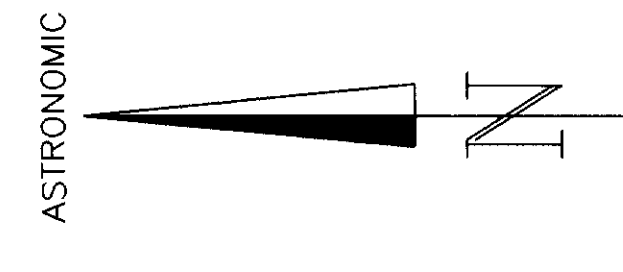


LEGEND

B-SOIL PARTIAL EXTRACTION SURVEY
 SURVEY DATES: JULY 21 TO AUG. 14, 1992
 ANALYTICAL LAB: TSL/Assayers LAB., Rouyn, P.Q.

SAMPLE RANGE	SYMBOL
0.00 - 4.99 PPM	✓
5.00 - 6.99 PPM	✗
7.00 - 8.99 PPM	⊗
> 8.99 PPM	⊙

INDEX MAP	
4050308	4050308
4050309	4050309
4050310	4050310
4050311	4050311
4050312	4050312
4050313	4050313
4050314	4050314
4050315	4050315
4050316	4050316
4050317	4050317
4050318	4050318
4050319	4050319
4050320	4050320
4050321	4050321
4050322	4050322
4050323	4050323
4050324	4050324
4050325	4050325
4050326	4050326
4050327	4050327
4050328	4050328
4050329	4050329
4050330	4050330
4050331	4050331
4050332	4050332
4050333	4050333
4050334	4050334
4050335	4050335
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4050337	4050337
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4050391	4050391
4050392	4050392
4050393	4050393
4050394	4050394
4050395	4050395
4050396	4050396
4050397	4050397
4050398	4050398
4050399	4050399
4050400	4050400



2.148C5

FALCONBRIDGE LIMITED
 Exploration Division
 KENOGAMING TOWNSHIP (EXT)
 B-SOIL PARTIAL EXTRACTION SURVEY
 (PHASE II)
 LEAD (PPM)

DATE: 08/14/92
 DRAWN BY: J. L. BROWN
 CHECKED BY: J. L. BROWN
 DATE: 08/14/92
 SCALE: AS SHOWN
 PROJECT: 2.148C5



Doug McLaughlin