



31D13NE0002 63.5705 BAXTER

010

BAXTER LAKE PROPERTY

REPORT OF WORK

1991

Prepared by

James R. Atkinson FGAC

for

**Fred J. Atkinson
Humphry, Ont.**

January 17, 1992

BAXTER LAKE PROPERTY

Location and Access(Fig.1)

The subject property is located in Southern Ontario approximately 150 kilometers north of Toronto and 5 kilometers east of the town of Honey Harbour. The claim group lies north of Baxter Lake and can be seen on Ontario Ministry of Northern Development and Mines claim map M-1922/Township of Baxter. National Topographic System Map 31D/13 includes the area.

The claims lie within 200 meters of Provincial Highway 69 which runs between Toronto and Parry Sound and is traversed by a north-south trail suitable for all terrain vehicles (ATV). This was used for access to transport equipment during the rock trenching program.

Property and Claim Status (Fig. 2)

The property comprises four (4) staked claims numbered 1138253, 1138254, 1156378 and 1138297 and recorded in the name of Mr. Fred J. Atkinson of Humphrey, Ontario. The claims cover Lots 26 and 27 of Concession XII of Baxter Township.

The property is in good standing until 1992 and work assessments will be applied from the current program to maintain the property until at least 1995.

History and Previous Work

Interest was first generated in the area in the 1950's when weathered material from marble units was used for construction locally. Flakes of graphite, mistakenly identified as molybdenite, were noted in the resultant sandy material.

The property lay dormant until the mid-1980's when the development of Cal Graphite's Butt Township deposit and other graphite projects once again focussed attention on this area.

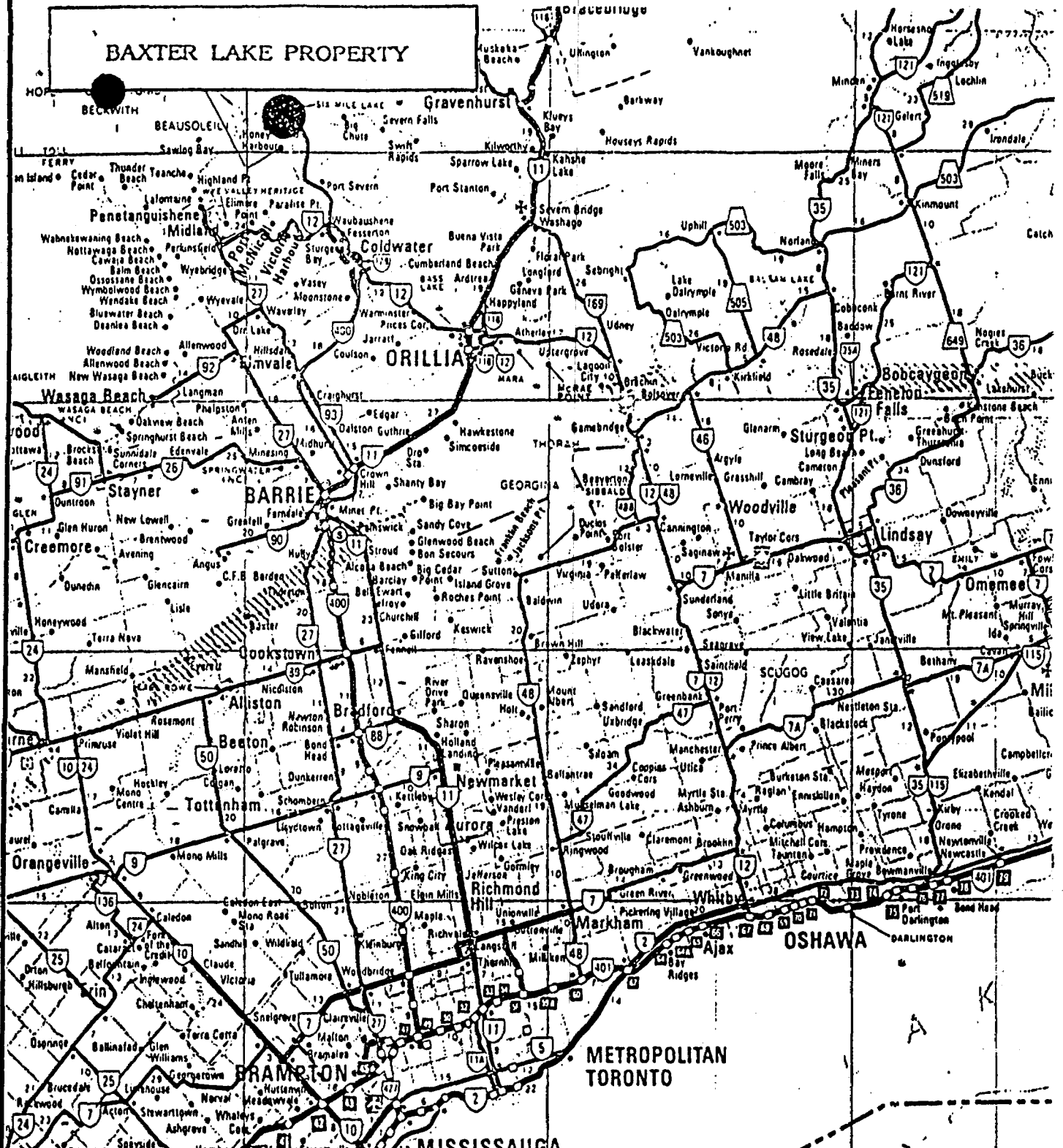
Prospecting along strike from the known showing, to the south, detected the presence of a large deposit of graphite-bearing gneisses in the area of the present claims.

A private company, Baxter Lake Resources Ltd., acquired the claims in 1987 and after collecting scattered chip samples had testing done by Lakefield Research. The work involved flotation and screen tests to determine possible recovery characteristics and graphite flake size.

Additional sampling was carried out in the spring of 1988 and testing completed by Ontario Research Foundation. Again, flotation and screen tests were completed. The material utilized in these tests responded well to the concentration methods and it was determined that more than 80% of the material tested was of a flake size to be of interest commercially (ie. +150 mesh) while nearly 40% was found to be premium quality "jumbo flake" (+48 mesh).

In the fall of 1989, the company sent the material tested by Ontario Research to Cal Graphite for evaluation. Mr. John Stirling, President, reported that the flake looked good with a low ash content and although the samples were oxidized (due to

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FIG.1: LOCATION				
James R. Atkinson Consulting Geologist	<table border="1"> <tr> <td>SCALE : 1:880,000</td> </tr> <tr> <td>DATE : Jan/92</td> </tr> <tr> <td>FIG. No.:</td> </tr> </table>	SCALE : 1:880,000	DATE : Jan/92	FIG. No.:
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surface effects) he thought recoveries of 95% or better could be obtained by low cost flotation methods. He also stated that research into crushing characteristics might improve the recovery of coarser flake material. The material, he said, was very similar to theirs with a similar gangue characterized by low crushing strength.

Although encouraged by the preliminary results, Baxter Lake was unable to secure financing and consequently the claims lapsed.

Mr. Atkinson staked the claims in the spring of 1991 and applied for an OPAP grant to fund the exploration program herein described.

Present Work Program(Fig. 3)

The present program comprised detailed geological mapping, channel sample collection, soil sampling and rock trenching. This was completed in September, October and November of 1991.

The geological mapping and soil sampling were conducted along flagged lines spaced 100 meters apart which originated at a North South Baseline. The origin for the base line was the surveyed corner of lots 26 and 27 on the north line of Concession XII (Fig. 3).

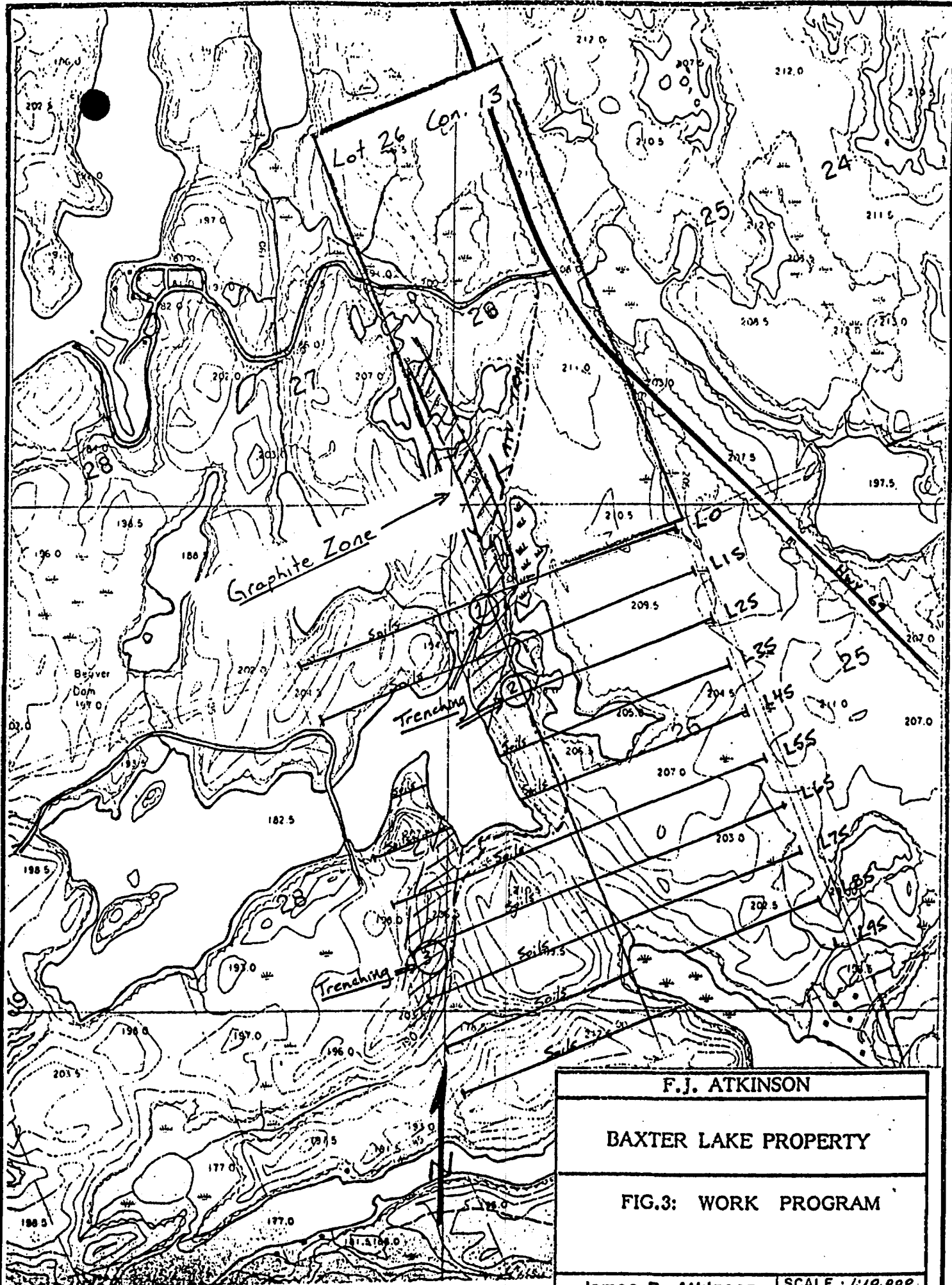
A total of approximately 7,000 meters of lines were traversed, 65 soil samples were collected (in the western part of the grid only) and 20 channel samples were collected from 6 rock trenches. Analyses of soil samples were carried out by Chemex Labs Limited of Mississauga while Lakefield Research completed graphitic carbon analyses on the channel samples.

Regional Geology (Fig. 4)

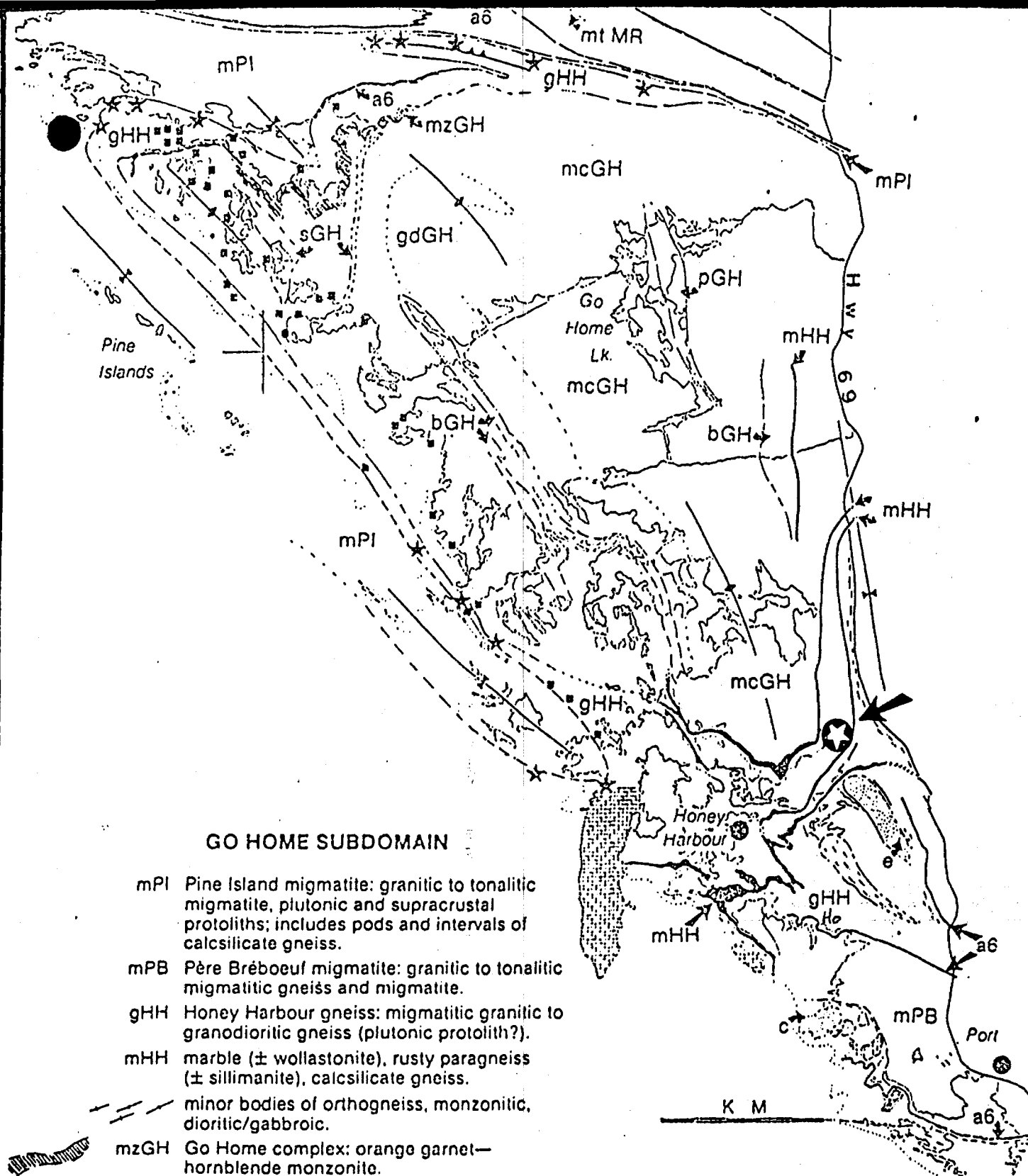
The property lies in the Go Home Subdomain of the Central Gneiss Belt of the Grenville Province (Culshaw et al 1991, Culshaw et al 1990). The Go Home Subdomain is part of the lowest thrust sheet of the Central Gneiss Belt (Culshaw et al, 1983) and is dominated by granitoid gneisses with thin but laterally continuous marble and graphitic paragneiss units.

The Go Home Subdomain is divisible into three assemblages based on characteristic associations: a) the southern part of the area is underlain by predominantly quartz feldspathic gneiss of probable plutonic origin; part of the unit includes a metasedimentary component with thin sheets of marble and paragneiss; b) granitoid gneisses which intrude the above and include megacrystic granites, granodiorites and monzonites as well as mafic rocks; c) a tectonic unit, Pine Island migmatites which overlies the above two and is separated from them by a zone of extremely tectonized rocks including pods of anorthosite and metabasite (Culshaw et al 1990).

The Go Home subdomain is dominated by structures which trend NNW and have shallow dips. Evidence of later WNW structures, possibly related to emplacement of the Moon River subdomain, are seen locally. Variability of plunge on the regional scale gives a basin and dome aspect to the southern part of the Go Home subdomain. This variability may be related to EW trending, younger folds (Schwerdtner and Mawer, 1982; Figure 26.2).



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FIG.3: WORK PROGRAM	
James R. Atkinson Consulting Geologist	SCALE: 1:10,000 DATE: Jan 1982 FIG. No.:



GO HOME SUBDOMAIN

- mPI Pine Island migmatite: granitic to tonalitic migmatite, plutonic and supracrustal protoliths; includes pods and intervals of calcisilicate gneiss.
- mPB Père Bréboeuf migmatite: granitic to tonalitic migmatitic gneiss and migmatite.
- gHH Honey Harbour gneiss: migmatitic granitic to granodioritic gneiss (plutonic protolith?).
- mHH marble (\pm wollastonite), rusty paragneiss (\pm sillimanite), calcisilicate gneiss.
- minor bodies of orthogneiss, monzonitic, dioritic/gabbroic.
- mzGH Go Home complex: orange garnet—hornblende monzonite.
- mcGH megacrystic granite to granodiorite.
- gdGH pale grey granodiorite.
- pGH pink alaskitic gneiss.
- sGH pelitic gneiss
- bGH diorite-gabbro.
- a6, anorthosite gneiss, blocks of anorthosite gneiss, \pm garnet amphibolite, locally grading to garnet - clinopyroxene metabasite.
- ★ hb-gnt-cpx-pl metagabbro, locally grading to gnt-cpx-pl \pm corundum metabasite.
- coronitic metagabbro.
- small bodies or clusters of metagabbro.

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FIG.4: REGIONAL GEOLOGY

James R. Atkinson
Consulting Geologist

SCALE :
DATE :
FIG. No. :

Property Geology(Fig. 5)

The Baxter Lake Property lies in the area of metasedimentary units of the Honey Harbour gneiss defined under a) above. To the north are megacrystic granitoids.

The metasedimentary package in this area may be quite thick as at least three marble bands are known. Whether this repetition is tectonic or stratigraphic is not clear, however, the marble units are highly tectonized throughout the area of the property.

Detailed geological mapping has identified the following lithologies from east to west.

1: Quartz Biotite Gneiss (QB) - this unit is well foliated, with alternating quartz rich and biotite rich layers. Feldspar may be present in the more leucocratic bands and garnet is seen rarely.

2: Biotite Quartz Gneiss (BQ) - this unit appears close to the graphitic units and has much more biotite. It is more of a schist and does not show gneissic banding.

3: Calcsilicate (CS) - the calcsilicate is highly variable from green (diopside?) rich massive and granular to white or pink foliated to obvious fine grained marble. Occasionally fine grained sulphide spots (possibly pyrrhotite) are seen. Epidote and green garnet are common accessories.

4: Graphite Schist (GS) - the graphite bearing unit is fine grained, silicious (quartz + feldspar) and rusty on weathered surfaces. Graphite is disposed in parallel layers giving a strong schistosity to the unit. Rarely, accessory sulphides are seen.

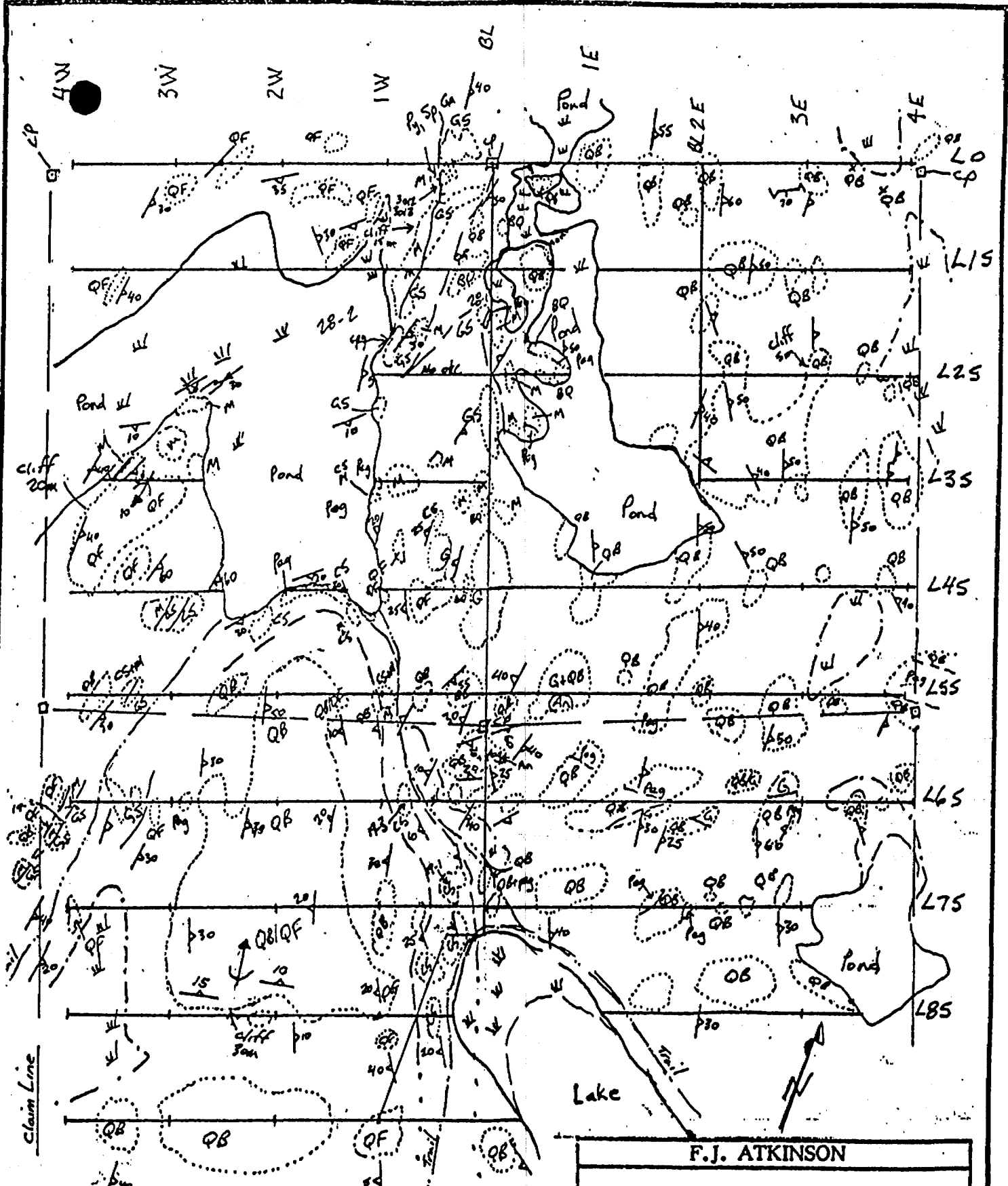
5: Marble (M) - this unit is white to grey, coarse to fine grained, massive to weakly banded. Commonly, accessory sphene, pyroxene and garnet are seen. The unit is highly tectonized with "balls", "wisps" and folded layers of silicious material seen. Rarely large white feldspar crystals are seen possibly as the result of deformation of pegmatite dykes crossing the unit.

6: Quartz Feldspar Gneiss (QF) - dominantly fine grained, this pink unit has minor biotite and muscovite in a granular quartz-feldspar matrix. Rarely quartz porphyroblasts are seen.

7: Granite (G) - locally massive, medium to fine grained as injections in QB and as larger areas in the central part of the claim group. Contacts are not seen and this unit may be related to QF.

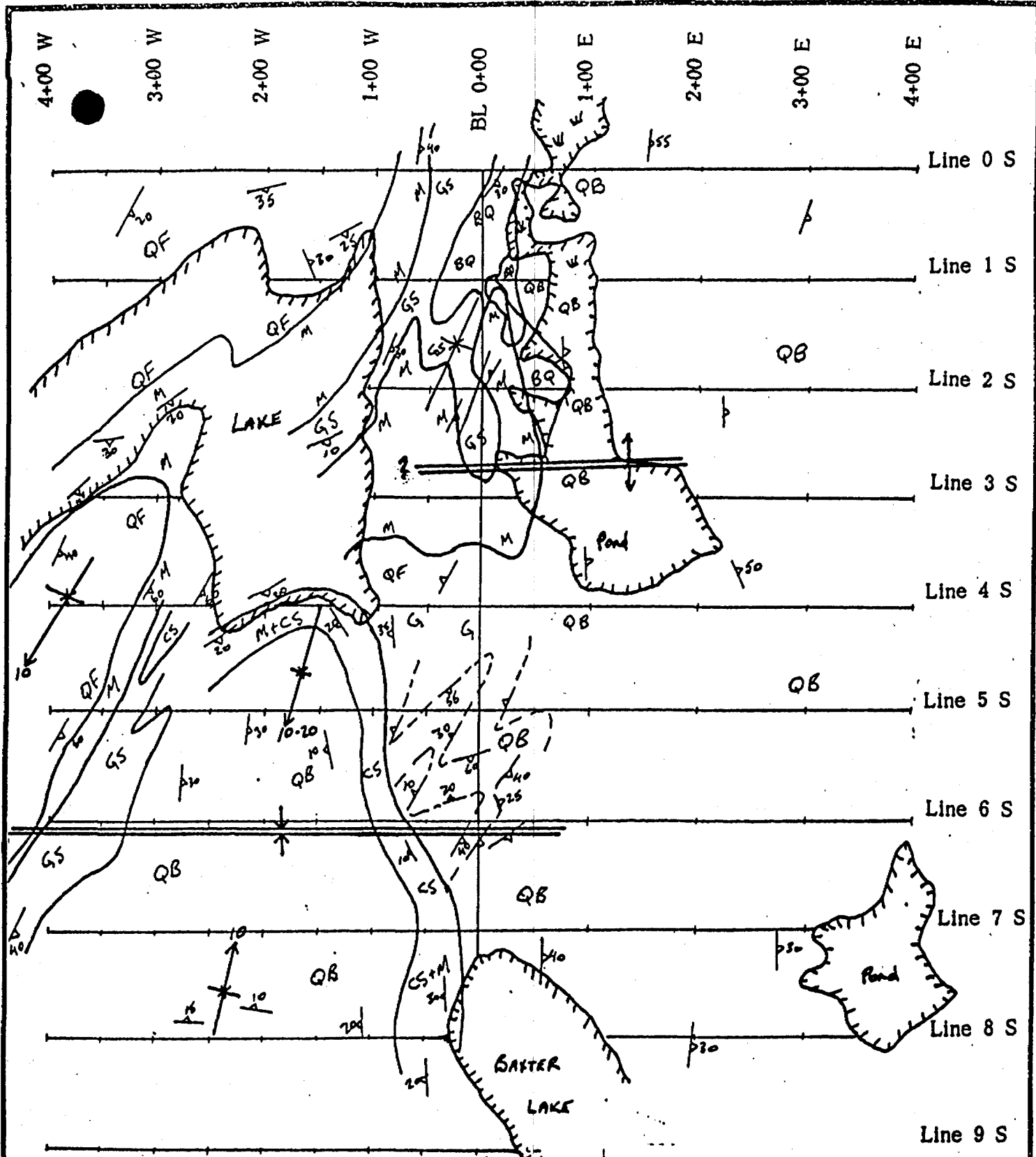
8: Pegmatite Dykes (Peg) - usually very coarse grained mixtures of pink feldspar, quartz and biotite but locally white feldspar dominates and some exposures resemble anorthosite (An).

Structures seen are outlined by north to north-northwest trending gneissic banding, however local east-west trends and minor scale folding suggests fold closures in at least two areas because these fold the primary layering they are denoted F1. Their position in the regional deformation history is not known. Axes of these folds trend generally north-south and plunge shallowly north or south. The changes in plunge suggest open east-west trending fold axes which give a basin and dome



Legend	
QF - Quartz Feldspar Gneiss	M - Marble
QB - Quartz Biotite Gneiss	CS - Calc-silicate
GS - Graphite Schist	Peg - Pegmatite
G - Granite	An - Anorthosite
- Gneissosity	- Minor folds
- Claim Post (located)	- Claim Post
- outcrop outline	- shear zone

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FIG.5: PROPERTY GEOLOGY FIELD MAPPING	
James R. Atkinson Consulting Geologist	SCALE: 1:5,000 DATE: Jan 1988 FIG. No.:



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FIG.6: PROPERTY GEOLOGY GENERAL	
James R. Atkinson Consulting Geologist	SCALE: 1:5000 DATE: Jan 1982 FIG. No.:

interference pattern to the property (Fig. 6).

Reflections of the regional NW trending structures (Culshaw et al, 1990) are seen in the bending of the foliation in the northwest part of the property.

A major shear zone seems to underlie the calcsilicate unit. This is evidenced by truncation of trends in gneissic banding in the area of the basal contact of the calcsilicate (ie. lines 5S and 6S just west of the baseline).

This may also be folded and be the reason for the abrupt truncation of the calcsilicate where it meets the graphitic units between L4S and L5S at 2+00W, so that the whole area south of line 45 between the baseline and 3+00W may be a fault bounded block underlain by a shallow dipping shear zone.

Major areas of economic interest centre on the graphitic bearing paragneiss and the marble.

Graphite contents up to 4% are seen locally with large areas averaging 2.5% to 3.5% graphitic carbon (see-Rock Trenching). The mineralization is exposed in two belts north and south of the lake for a total strike length of 550 meters. The average true width is about 30 meters. The unit dips 35 to 40 degrees to the east over most of its length, however, complications caused by minor folds close to the baseline between lines 15 and 25, give reversals of dip in this area.

Preliminary testing on the graphite indicates a large percentage of coarse to medium flake with good recoveries. The host for the graphite is a granular quartz-feldspathic rock.

Marble units exposed show various colors and range from banded to massive, however the units exposed close to the base line between 1+50S and 3+50S are massive, white and coarse grained and should be suitable for use as crushed stone. Removal of this material would be aided by the fact that the marble underlays a 20 to 25 meter high hill.

During geological mapping, traces of sphalerite and galena and chalcopyrite were identified at the upper contact of the marble unit. A soil survey was initiated to evaluate this mineralization, but no greater concentrations were discovered.

Soil Sampling

A series of 65 soil samples were collected from the western part of the property (ie. west of the Baseline) using a grub hoe to dig small pits to expose the B Horizon. The samples were collected at an average of 20 to 30 centimeters depth.

Soils are generally of Podzol type (Levinson, 1974) with relative thick organic accumulation and red brown to brown to rarely, orange colored B Horizon. Sandy till predominates with small areas of boulder till and clay seen. The overburden is generally shallow but north south ridges in the bedrock are often flanked by areas of thick accumulation of soil. Glacial transport was also parallel to this direction as indicated by glacial stria. The topography is quite steep in places with cliffs up to 20 meters seen.

Samples were collected along lines spaced 100 meters apart at stations placed 50 meters apart. This may be considered suitable as a preliminary pass and should be sufficient to locate any anomalies of interest.

The samples were placed in (4" x 6") kraft paper bags, air dried then shipped to Chemex Lab in Mississauga. There the samples were oven dried and sieved to 80 mesh in preparation for analyses. Gold was determined using a combination fire assay and atomic absorption while the remaining elements were analysed by ICP after nitric-aqua regia digestion.

Results are presented in Appendix A and summarized in Table 1. Following the practise of Hawkes and Webb (1962), anomalies were defined as the standard deviation. Because of the small number of samples and to allow a broader search a category of "possibly anomalous" was defined at a value defined at the value equal to the mean plus two times the standard deviation.

**Table 1:
Soil Sampling-Statistics**

Element	Mean	Standard Dev.	Anomalous
Co	11.0	7.5	25
Cu	11.0	14.0	39
Mo	1.2	0.7	3
Ni	15.0	14.0	43
Pb	14.5	13.0	40
Zn	128.0	77.0	283
Au	No anomalous values		
Ag	No values above 0.5 p.p.m.		

It should be noted that iron (Fe) and manganese (Mn) were not evaluated for anomalous values but are useful in evaluation of other metals. It is well documented in literature that these two elements can scavenge other metals. Thus, high values of Fe and Mn associated with an anomalous metal value would tend to discount the importance of the anomaly.

Description of Results (Fig. 7 to 10)

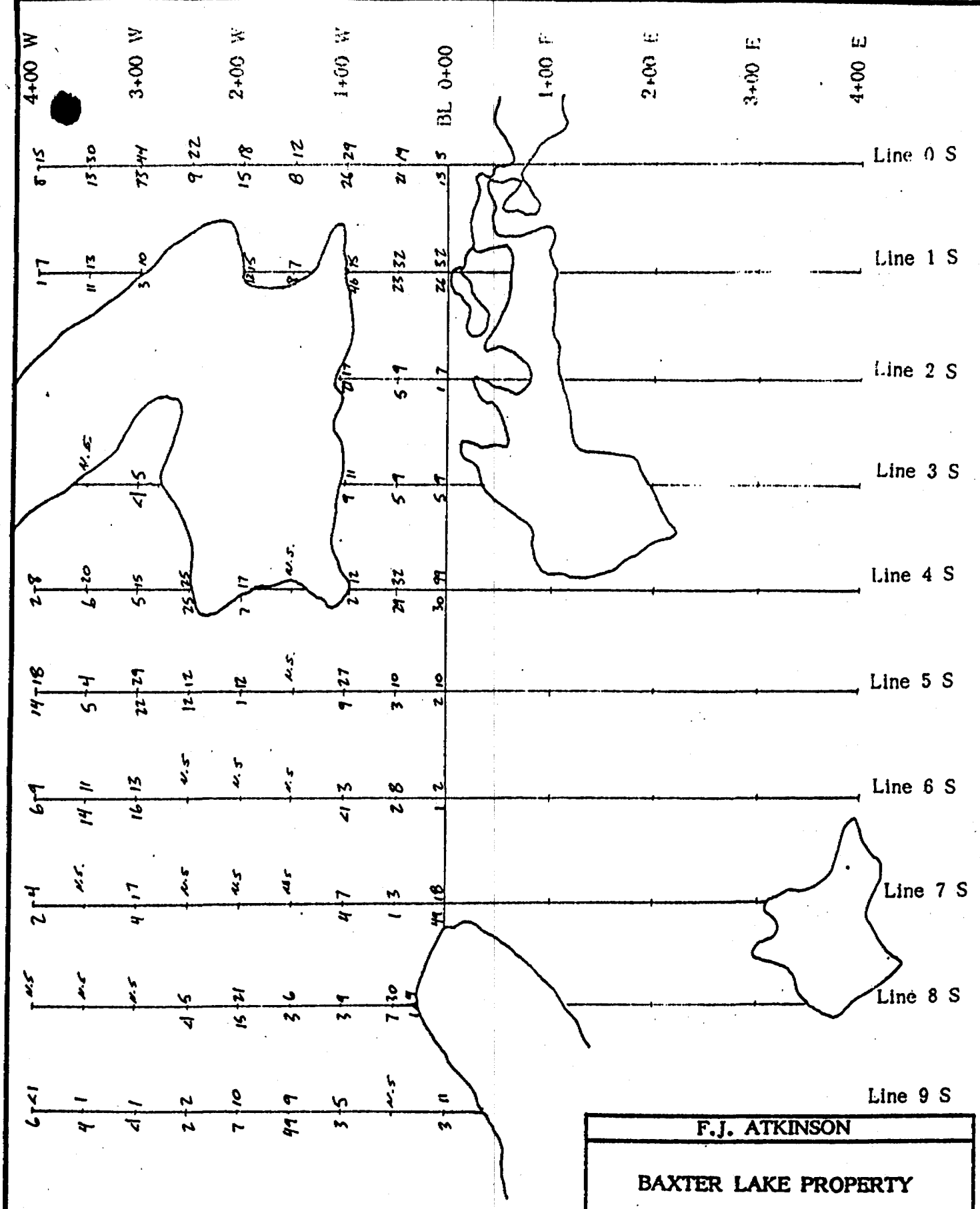
The soil sampling was initiated after weakly disseminated galena and sphalerite were found associated with the marble/graphite schist contact and was intended to identify other areas of, hopefully, more concentrated mineralization. The method of defining anomalous values was described above. No "spectacular" results were obtained but several areas of potential interest were defined (Fig. 10):

A: A band of generally anomalous, copper, nickel, lead and zinc associated with the trace of the marble/graphite schist.

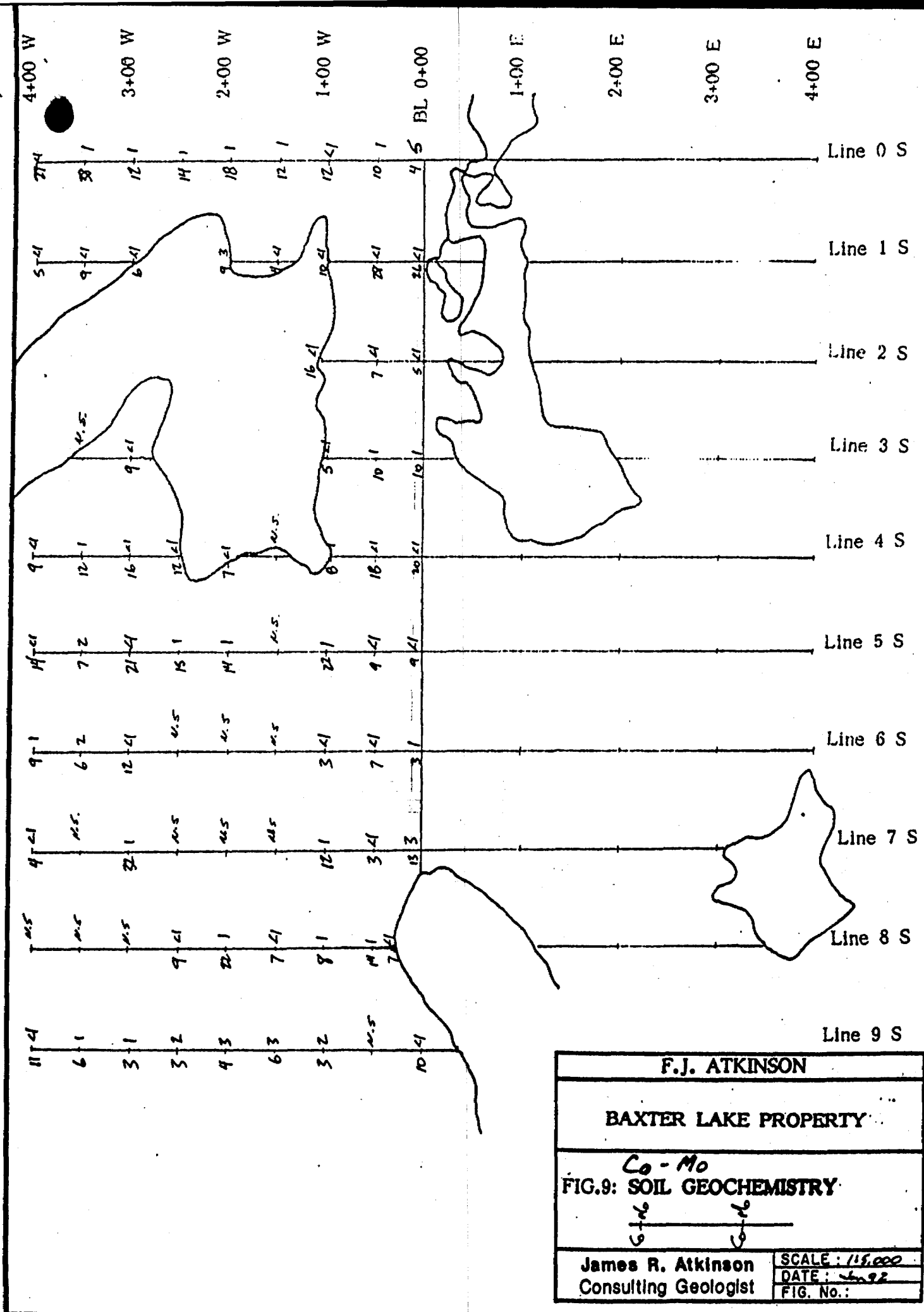
B: Weak copper and nickel associated with calcisilicate just north of Baxter Lake.

C: Nickel, copper, lead and zinc at the western edge of the property on Line 0.

All other values are weak and isolated.



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<i>Cu - Ni</i> FIG.8:SOIL GEOCHEMISTRY	
James R. Atkinson Consulting Geologist	SCALE: 1/1000 DATE: Jan 72 FIG. No.:



4+00 W

3+00 W

2+00 W

1+00 W

BL 0+00

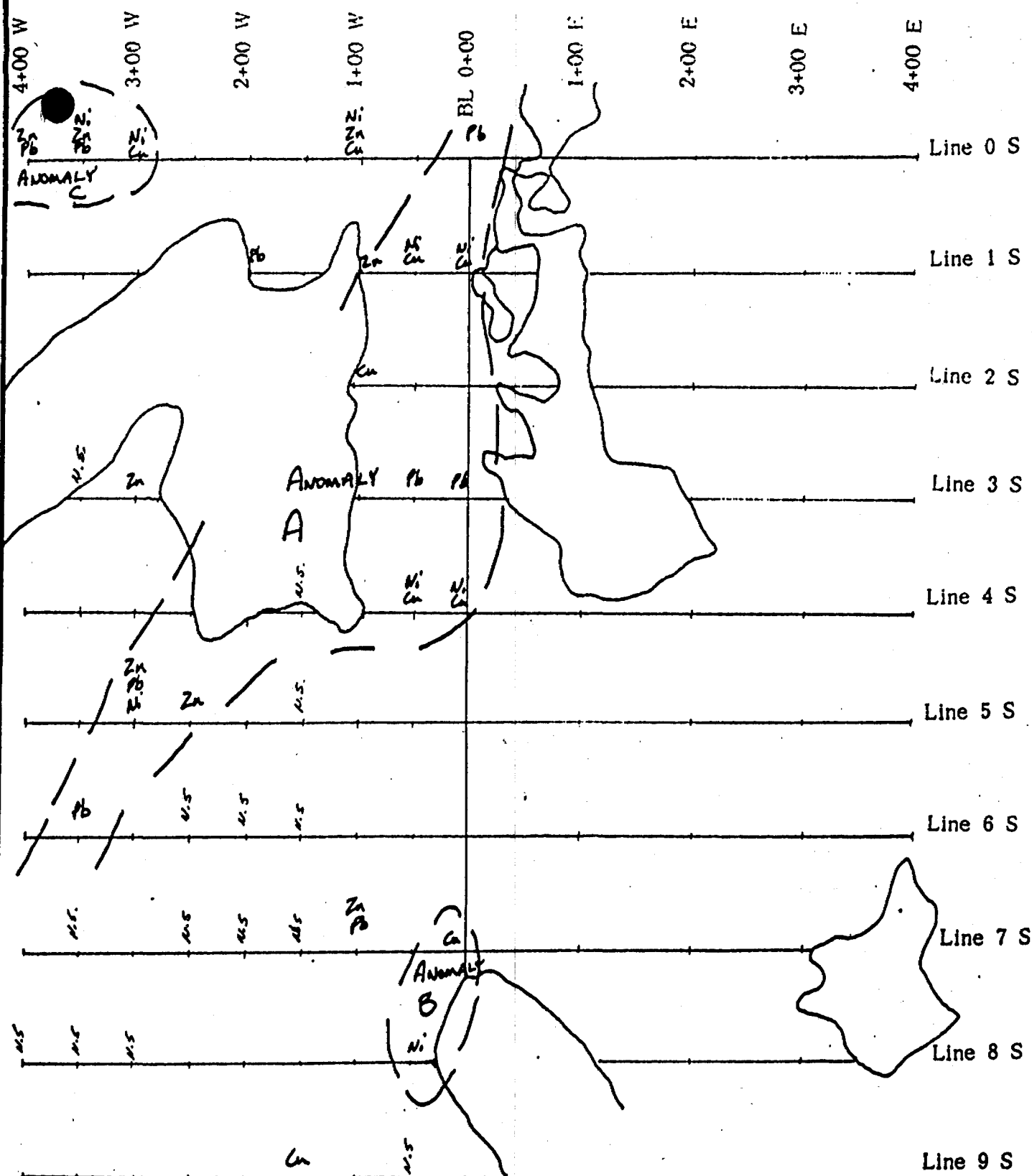
1+00 E

2+00 E

3+00 E

4+00 E

Station	Line 0 S	Line 1 S	Line 2 S	Line 3 S	Line 4 S	Line 5 S	Line 6 S	Line 7 S	Line 8 S	Line 9 S
11-4	27-4	5-4	9-4	14-4	14-4	9-4	4-4	4-4	4-4	11-4
6-1	38-1	9-4	12-1	12-1	7-2	6-2	4-4	4-4	4-4	6-1
3-1	12-1	6-4	16-4	9-4	21-4	12-4	22-1	22-1	22-1	3-1
3-2	14-1	9-3	12-4	12-4	15-1	4-5	9-4	4-5	9-4	3-2
4-3	18-1	4-4	7-4	4-5	14-1	4-5	22-1	4-5	22-1	4-3
6-3	12-1	10-4	16-4	4-5	4-5	4-5	3-4	4-5	7-4	6-3
3-2	12-4	10-4	7-4	5-4	22-1	12-1	3-4	12-1	8-1	3-2
4-5	10-1	28-4	7-4	10-1	4-4	3-4	7-4	3-4	4-1	4-5
10-4	4-5	24-4	5-4	10-1	9-4	15-3	3-1	15-3	7-4	10-4



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FIG.10: SOIL GEOCHEMISTRY ANOMALIES	
James R. Atkinson Consulting Geologist	SCALE: 1:5,000 DATE: Jan 1972 FIG. No.:

Discussion of Results

The anomalies described above do not include any "spectacular" results which would indicate concentrates of base metals, however, anomaly "A" does indicate elevated metal levels within the marble/paragneiss sequence and may indicate that these units should undergo prospecting along strike. Noteably, one area of weak chalcopyrite mineralization on Line 2S at 1+00W is reflected in a soil anomaly for copper and the anomaly at 1+00W on Line 0S is in a low area downslope from a galena/sphalerite occurrence.

Anomaly B overlies area of calcilicate outcrops which commonly have very weak disseminated sulphides (pyrrhotite).

The area of elevated base metal values at the western end of Line 0 (anomaly "C") may be reflecting a zone of marble and paragneiss which underlies a ridge just to the west and north of the area (off the property), however, there are no exposures where the samples were collected and there may be marble/paragneiss underlying the area.

Rock Trenching and Channel Sampling (Fig. 3, Fig. 11)

Preliminary testing of the graphite indicated that surface oxidation was giving erroneous responses. To alleviate this problem and to get good exposures of the graphitic units a series of rock trenches were completed.

Holes were drilled with a portable percussion drill and blasted to a depth of approximately 50 centimeters. In all, 6 trenches were completed in 3 areas. A total of approximately 20 cubic meters (700 cubic feet) of rock was removed.

After blasting and cleaning the author collected channel samples from each trench which were shipped to Lakefield Research for assay for graphitic carbon. IN all, 21 samples of 2 metre length, were obtained.

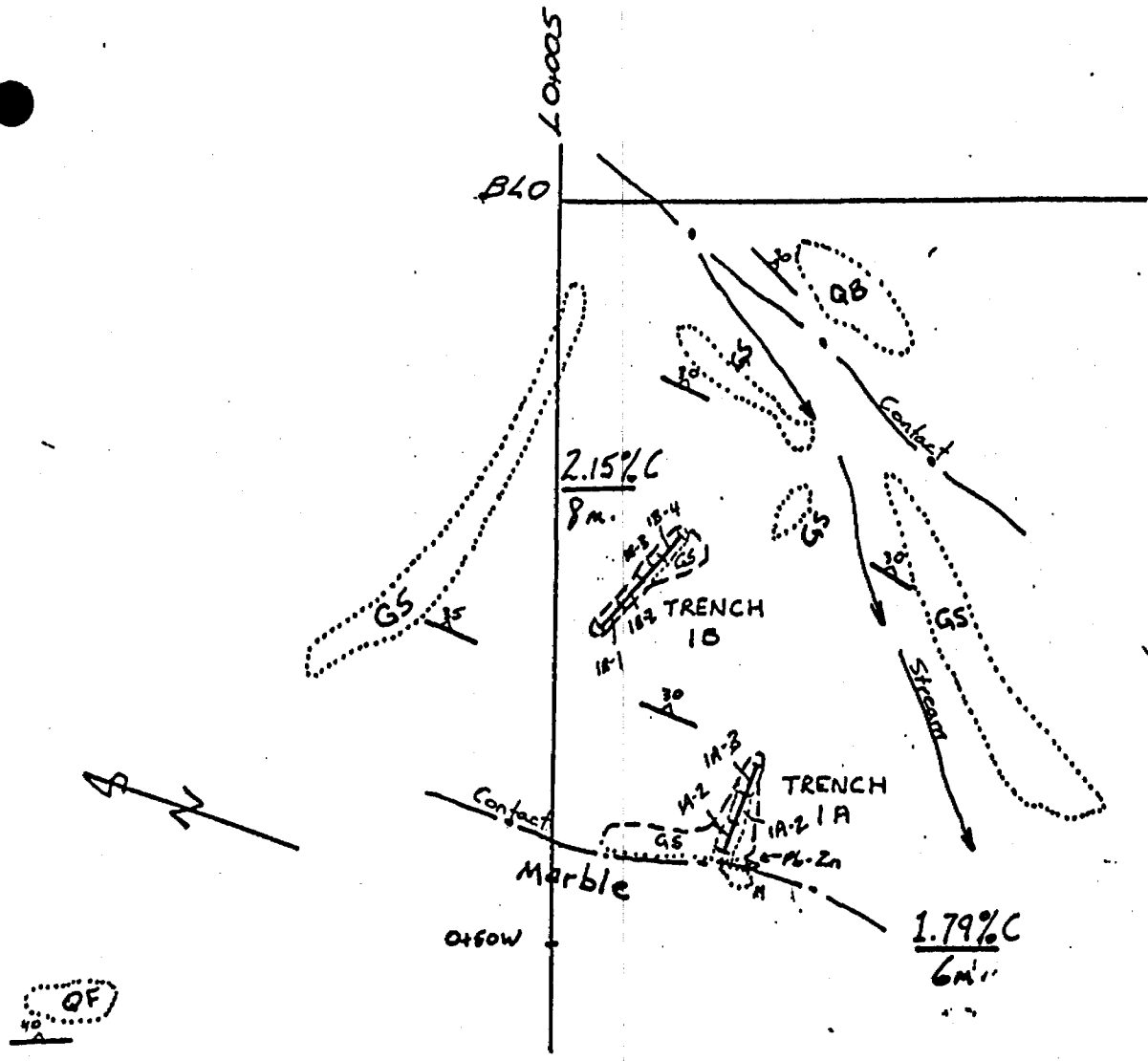
The averages which were returned are summarized in Table 2.

Table 2:
Channel Sampling Results

Trench Number	Length	% Carbon (graphite)
1A	6 m	1.79
1B	8 m	2.15
2A	10m	2.91
2B	2 m	2.12
2C	2 m	0.40
3A	14m	2.31

Conclusions

The present program resulted in identification and preliminary evaluation of a 550 metre long zone of graphite mineralization which averages over 2.3% C where sampled and is about 30 metres wide.



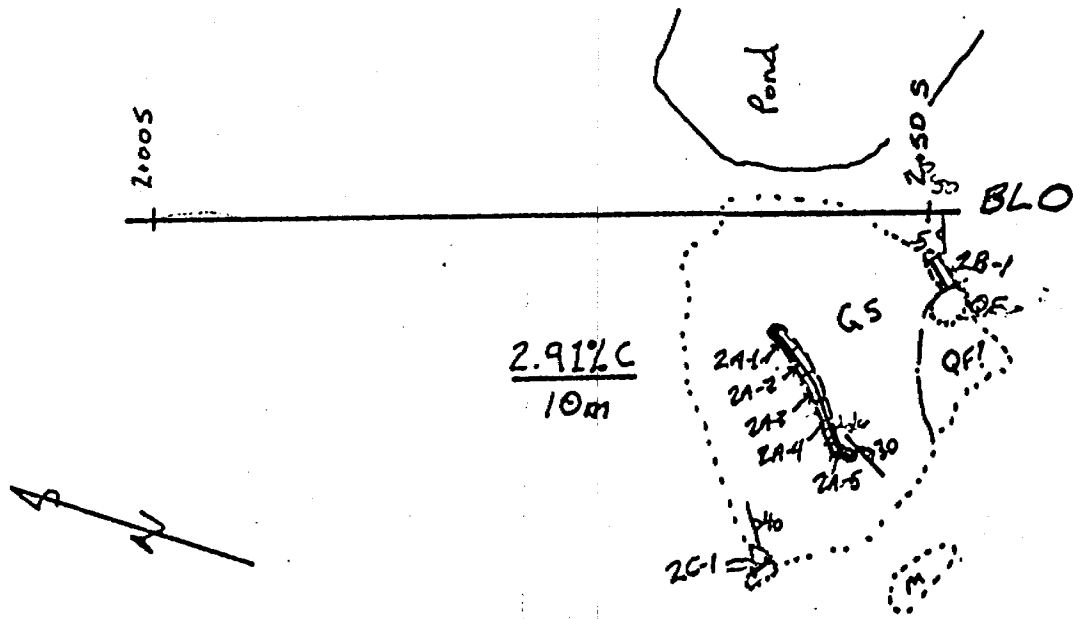
Area 1

35 QF10B
minot GS

Sample Results

Sample No.	Graphite (%)
1B-1	2.25
1B-2	2.04
1B-3	1.90
1B-4	2.40
1A-1	1.71
1A-2	1.53
1A-3	2.12

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FIG.11: CHANNEL SAMPLING	
James R. Atkinson Consulting Geologist	SCALE: 1:500 DATE: Dec/98 FIG. No.:

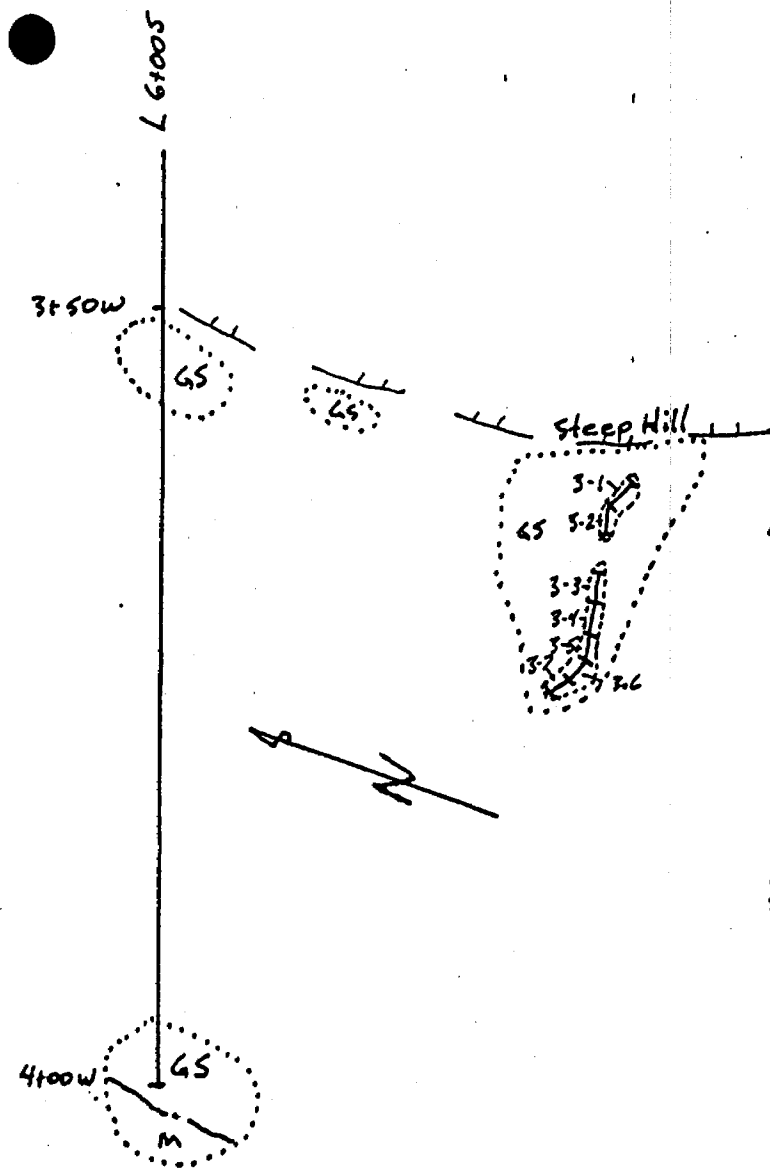


Sample Results

<u>Sample No.</u>	<u>Graphite (%)</u>
2A-1	3.36
2A-2	3.41
2A-3	3.47
2A-4	1.94
2A-5	2.36
2B-1	2.12
2C-1	0.40

Area 2

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2.31%
14m.

Area 3

Sample Results

<u>Sample No.</u>	<u>Graphite (%)</u>
3-1	2.66
3-2	2.26
3-3	2.24
3-4	2.16
3-5	2.34
3-6	2.09
3-7	2.43

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James R. Atkinson Consulting Geologist	SCALE : DATE : FIG. No.:

A potential area of white, massive to weakly banded marble was also located.

The geological mapping defined the trend of these two zones across the property and outlined the lithological and structural features of the property. As well, a zone of calcsilicate "skarn" with weak sulphide mineralization was discovered.

The soil sampling program failed to identify significant zones of mineralization, however, the graphite paragneiss/marble zone is seen to contain elevated base metal values, along its length corresponding to weak sulphide mineralization.

The rock trenching resulted in three areas of excellent exposure of the graphite bearing units below the zone of surface weathering and gave 21 channel samples for analyses for graphitic carbon.

The property has yielded results sufficient to warrant further work.

Recommendations

Continuation of the rock trenching is recommended, especially to the west of Trench 3 and, if possible, to the east of Trench 2A (which had the highest average graphite content), at least as far as the pond. Deepening of Trench 3 at the eastern end may allow a better cross-section of the graphite horizon which is fairly shallowly dipping in this area also, extrusion of Trench 1A to the east of 1B to the west would allow a more complete section of the graphitic bearing units.

Following this, a series of vertical diamond drill holes, designed to test the thickness of the graphite zone, should be planned. To allow comparison with surface samples the areas of trenching should be targeted first.

Further work on the marble resource may involve removal of several large blocks to test by cutting and completion of a crushing test.

At least one drill hole should be planned to test the thickness of the marble and evaluate the color changes with depth.

No further work is recommended to explore for base metal concentrations, however, care should be taken during any drilling program, to identify the presence of potentially economic mineralization.

Bibliography

Culshaw, N., Corrigan, D., Ketchum, J. and Wallace, P.; 1990: Georgian Bay Geological Synthesis: Twelve Mile Bay to Port Severn, Grenville Province of Ontario; in Current Research, Part C. Geological Survey of Canada, Paper 90-1C, p. 107-112.

Culshaw, N., Corrigan, D. Jamieson, R.A., Ketchum J., Wallace, P., and Wodicka N.; 1991. Traverse of the Central Gneiss Belt, Grenville Province, Georgian Bay; GAC/MAC/SEG Joint Annual Meeting, Toronto 91, Field Trip B3: Guide book, 32p.

Culshaw, N., Davidson, A., and Nadeau, L.; 1983: Structural Subdivision of the Grenville Province in the Parry Sound-Algonquin Region, Ontario; in Current Research, Part B, Geological Survey of Canada, Paper 83-1B, p. 243-252.

Schwerdtner, W.M., and Mawer, C.K.; 1982: Geology of the Gravenhurst Region, "Grenville Structural Province, Ontario in Current Research, Part B, Geological Survey of Canada, Paper 82-1B, p. 195-207.

Levinson, A.A.; 1974: Introduction to Exploration Geochemistry. Applied Publishing, Calgary.

Hawkes, H.E., and Webb, J.S.; 1962: Geochemistry in Mineral Exploration. Harper and Row.

Cost Summary

Geological Mapping	
Services 8 days (incl. G.S.T.)	\$2996.00
Expenses	406.78
Grid Preparation	400.00
Travel	117.60
Trenching	
Labour	1,000.00
Supplies and Expenses	1,018.42
Travel	117.60
Soil Sampling	
Labour	400.00
Travel	117.60
Analyses (Chemex Labs Ltd.)	730.28
Channel Sampling	
Mapping and Sample Collection	1,123.50
Analyses (Lakefield Research)	517.88
Report Preparation	<u>1,872.50</u>
TOTAL	\$10,818.16

Certificate

I James R. Atkinson of #41 - 2006 Glenada Crescent, Oakville Ontario do hereby certify:

THAT, I graduated with an Honours Bachelor of Science Degree from Brock University in St. Catherines, Ontario in 1972.

THAT, I completed two years post-graduate work at the University of Calgary, Calgary, Alberta.

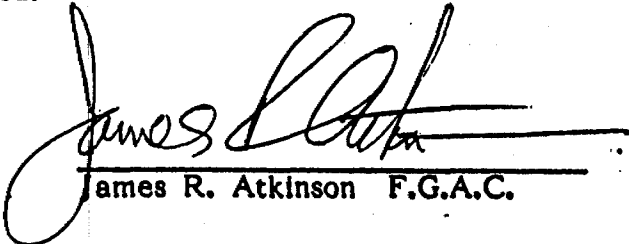
THAT, I have practised my profession continuously since 1974 with various mining and exploration companies, and since 1984 as an independent consulting geologist.

THAT, I am a Fellow of the Geological Association of Canada.

THAT, I completed and supervised the referenced work and wrote the accompanying report.

THAT, I have no interest in the Baxter Lake property.

Dated this 17 day of January, 1992.


James R. Atkinson F.G.A.C.

**APPENDIX A:
ANALYTICAL RESULTS**



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 416-624-2806

To: ATKINSON, JIM

41 - 2006 GLENADA CR.
OAKVILLE, ON
L6H 5R9

A9123425

Comments:

CERTIFICATE

A9123425

ATKINSON, JIM

Project: BAXTER
P.O.#:

Samples submitted to our lab in Mississauga, ON.
This report was printed on 22-OCT-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	65	Dry, sieve to -80 mesh NITRIC-AQUA REGIA DIGESTION
238	65	

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	65	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
1005	65	Ag ppm: 9 element, soil and rock	ICP-AES	0.5	200
1929	65	Co ppm: 9 element, soil & rock	ICP-AES	1	10000
1931	65	Cu ppm: 9 element, soil & rock	ICP-AES	1	10000
1932	65	Fe %: 9 element, soil & rock	ICP-AES	0.01	15.00
1937	65	Mn ppm: 9 element, soil & rock	ICP-AES	5	10000
1938	65	Mo ppm: 9 element, soil & rock	ICP-AES	1	10000
1940	65	Ni ppm: 9 element, soil & rock	ICP-AES	1	10000
1004	65	Pb ppm: 9 element, soil and rock	ICP-AES	5	10000
1950	65	Zn ppm: 9 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga,
 Ontario, Canada L4W 2S3
 PHONE: 416-624-2806

10: ATKINSON, JIM

41 - 2006 GLENADA CR.
 OAKVILLE, ON
 L6H 5R9

Project : BAXTER
 Comments:

Page Number :1
 Total Pages :2
 Certificate Date: 22-OCT-91
 Invoice No. :19123425
 P.O. Number

CERTIFICATE OF ANALYSIS A9123425

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
0-0000	201 238	< 5	< 0.5	4	13	8.99	275	5	3	52	130
0-0050	201 238	< 5	< 0.5	10	21	2.66	170	1	19	24	186
0-0100	201 238	< 5	< 0.5	12	26	3.46	210	< 1	29	10	428
0-0150	201 238	< 5	< 0.5	9	8	2.15	255	1	12	8	106
0-0200	201 238	< 5	< 0.5	18	15	3.21	630	1	18	20	182
0-0250	201 238	< 5	< 0.5	14	9	2.41	270	< 1	22	6	120
0-0300	201 238	< 5	< 0.5	12	73	3.04	125	1	44	6	142
0-0350	201 238	< 5	< 0.5	38	13	6.29	2550	1	30	44	226
0-0400	201 238	< 5	< 0.5	27	8	4.84	1145	< 1	15	28	240
1-0000	201 238	< 5	< 0.5	26	26	3.10	1095	< 1	32	2	172
1-0050	201 238	< 5	< 0.5	28	23	4.67	640	< 1	32	12	186
1-0100	201 238	< 5	< 0.5	10	46	2.16	725	< 1	15	24	112
1-0150	201 238	< 5	< 0.5	4	8	0.90	75	< 1	7	8	62
1-0200	201 238	< 5	< 0.5	9	12	2.62	90	3	15	62	150
1-0300	201 238	< 5	< 0.5	6	3	1.45	175	< 1	10	6	60
1-0350	201 238	< 5	< 0.5	9	11	2.05	220	< 1	13	6	122
1-0400	201 238	< 5	< 0.5	5	1	1.75	110	< 1	7	4	52
2-0000	201 238	< 5	< 0.5	5	1	1.68	100	< 1	7	< 2	50
2-0050	201 238	< 5	< 0.5	7	5	3.63	485	< 1	9	20	74
2-0100	201 238	< 5	< 0.5	16	27	3.02	775	< 1	17	18	176
3-0000	201 238	< 5	< 0.5	10	5	1.83	1425	1	9	42	80
3-0050	201 238	< 5	< 0.5	10	5	2.37	290	1	9	28	56
3-0100	201 238	< 5	< 0.5	5	9	1.46	130	< 1	11	10	26
3-0300	201 238	< 5	< 0.5	9	< 1	2.31	315	< 1	5	22	200
4-0000	201 238	20	< 0.5	20	30	5.11	630	< 1	99	10	160
4-0050	201 238	< 5	< 0.5	18	29	5.24	335	< 1	32	6	128
4-0100	201 238	< 5	< 0.5	8	2	1.73	160	1	12	10	54
4-0200	201 238	< 5	< 0.5	7	7	0.70	65	< 1	17	6	18
4-0250	201 238	< 5	< 0.5	12	25	2.60	210	< 1	25	8	104
4-0300	201 238	< 5	< 0.5	16	5	3.59	455	< 1	15	4	166
4-0350	201 238	< 5	< 0.5	12	6	4.40	180	1	20	20	232
4-0400	201 238	< 5	< 0.5	9	2	2.91	180	< 1	8	6	138
5-0000	201 238	< 5	< 0.5	9	2	2.99	220	< 1	10	6	64
5-0050	201 238	< 5	< 0.5	9	3	3.94	210	< 1	10	12	98
5-0100	201 238	< 5	< 0.5	22	9	3.25	630	1	27	20	136
5-0200	201 238	< 5	< 0.5	14	1	3.48	180	1	12	8	168
5-0250	201 238	< 5	< 0.5	15	12	5.26	380	1	12	18	222
5-0300	201 238	< 5	< 0.5	21	22	4.16	2850	< 1	29	42	254
5-0350	201 238	< 5	< 0.5	7	5	3.36	505	2	4	18	140
5-0400	201 238	< 5	< 0.5	14	14	3.07	425	< 1	18	4	176

CERTIFICATION: *B. Caughlin*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 5175 Timberlea Blvd., Mississauga,
 Ontario, Canada L4W 2S3
 PHONE: 416-624-2806

to: ATKINSON, JIM

41 - 2006 GLENADA CR.
 OAKVILLE, ON
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Project : BAXTER
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Page Number : 2
 Total Pages : 2
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CERTIFICATE OF ANALYSIS A9123425

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
6-0000	201	238	< 5	< 0.5	3	1	1.34	140	1	2	12	34
6-0050	201	238	< 5	< 0.5	7	2	2.35	85	< 1	8	2	64
6-0100	201	238	< 5	< 0.5	3	< 1	1.60	75	< 1	3	6	64
6-0300	201	238	< 5	< 0.5	12	16	3.24	155	< 1	13	10	150
6-0350	201	238	< 5	< 0.5	6	14	5.57	350	2	11	36	166
6-0400	201	238	< 5	< 0.5	9	6	2.89	1225	1	9	22	148
7-0000	201	238	< 5	< 0.5	13	49	6.10	160	3	18	8	66
7-0050	201	238	< 5	< 0.5	3	1	1.36	110	< 1	3	< 2	48
7-0100	201	238	< 5	< 0.5	12	4	3.82	895	1	7	30	216
7-0300	201	238	< 5	< 0.5	32	4	4.77	535	1	17	18	356
7-0400	201	238	< 5	< 0.5	4	2	0.76	270	< 1	4	6	80
8-0000	201	238	< 5	< 0.5	7	1	1.63	190	< 1	9	2	54
8-0050	201	238	< 5	< 0.5	14	7	4.35	270	1	30	2	90
8-0100	201	238	< 5	< 0.5	8	3	4.01	170	< 1	9	10	120
8-0150	201	238	< 5	< 0.5	7	3	2.23	230	< 1	6	4	96
8-0200	201	238	< 5	< 0.5	22	15	3.37	620	1	21	2	132
8-0250	201	238	< 5	< 0.5	9	< 1	2.57	160	< 1	5	4	98
9-0000	201	238	< 5	< 0.5	10	3	3.19	195	< 1	11	8	172
9-0100	201	238	< 5	< 0.5	3	3	2.60	155	2	5	10	52
9-0150	201	238	< 5	< 0.5	6	49	6.33	1470	3	9	20	90
9-0200	201	238	< 5	< 0.5	4	7	5.29	110	3	10	8	58
9-0250	201	238	< 5	< 0.5	3	2	2.32	70	2	2	16	22
9-0300	201	238	< 5	< 0.5	3	< 1	1.81	365	1	1	8	28
9-0350	201	238	< 5	< 0.5	6	4	2.21	160	1	7	4	104
9-0400	201	238	< 5	< 0.5	11	6	2.75	190	< 1	10	8	218

CERTIFICATION:

B. Coughlin

LAKEFIELD RESEARCH

A Division of Falconbridge Limited

P.O. Box 4300, 185 Concession St., Lakefield, Ontario, K0L 2H0
Phone: 705-652-3341 FAX: 705-652-6365

Date: December 18, 1991

Date Received: December 9, 1991

Lakefield Reference: 9138116 91/12-000025

Customer Reference:

Number of Samples: 22

Customer P.O.:

Jim Atkinson
#41-2006 Glenada Cr.
Oakville, Ontario
Canada L6H 5R9
Fax Number

Attention: Jim Atkinson

Certificate of Analysis

Page 1

Sample ID	C(g) %
TIB-4	2.40
ATKINSON, BAYER TWP	0.11
1A-1	1.71
1A-2	1.53
1A-3	2.12
1B-1	2.25
1B-2	2.04
1B-3	1.90
2A-1	3.36
2A-2	3.41
2A-3	3.47
2A-4	1.94
2A-5	2.36
2B-1	2.12
2C-1	0.40
3-1	2.66
3-2	2.26
3-3	2.24
3-4	2.16
3-5	2.34
3-6	2.09
3-7	2.43

9138116



J.R. Johnston - Chief Chemist

March 17, 1992

Mrs. R.M. Charnesky
Mining Recorders Office
10 Wellesley Street, East
1st Floor
Toronto, Ontario
M4Y 1G2

Dear Mrs. Charnesky:

In reply to your letter of March 5, 1992 referencing deficiencies in work report W9290 00013. I am pleased to provide the following details.

Statement of Costs:

1. Direct Costs

Wages (October 29, 30, 31, November 1, 2, 1991)			
Fred Atkinson	5 days x \$100	=	\$500.00
Dan Atkinson	5 days x \$ 50	=	\$250.00
Dave Atkinson	5 days x \$ 50	=	<u>\$250.00</u>
			\$1,000.00
Supplies Used (October 30, 31, November 1)			
Dynamite Caps			\$496.92
Equipment Rental (October 30, 31, November 1)			
ATV			\$180.00
Drill, Steel & Bits			\$341.50
Total Direct Costs:			\$2,018.42

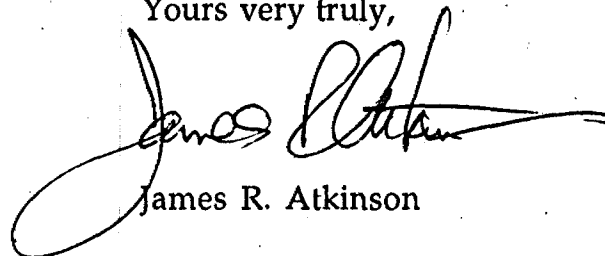
2.

2. Indirect Costs

Travel	\$117.60
<i>Total Value of Assessment Credit</i>	<i>\$2,136.02</i>

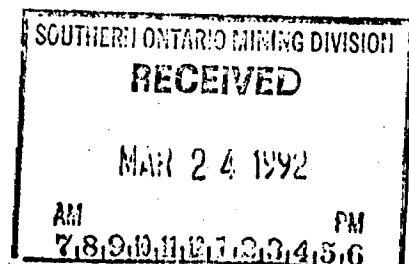
Hopefully, this will satisfy your requirements for acceptance of this assessment credit, however, should you require additional information please feel free to contact me at the address noted below.

Yours very truly,



James R. Atkinson

JRA/jg
Encl.



Report of Work Conducted After Recording Claim

Minina Act

Transaction Number
W9290.00013

63.5705

Personal information collected on this form is obtained under the authority of this collection should be directed to the Provincial Manager, Mining Law Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



about Street,

- Instructions:**
- Please type or print and submit in duplicate
 - Refer to the Mining Act and Regulations for requirements of mining 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.

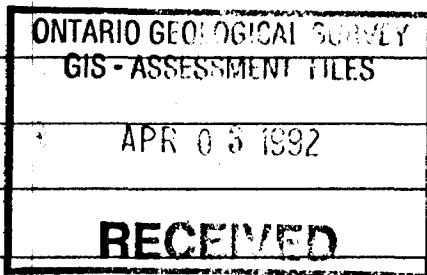
31D13NE002 63.5705 BAXTER

900

Recorded Holder(s) <i>Frederick J. Atkinson</i>	Client No. <i>103583</i>
Address <i>Pl#2 Site 4 Box 40 Parry Sound</i>	Telephone No. <i>705 732 2833</i>
Mining Division <i>Southern Ontario</i>	Township/Area <i>BAXTER Twp.</i>
M or G Plan No. <i>41-1922</i>	
Dates Work Performed From: <i>November 1991</i>	To: <i>NOVEMBER 1991</i>

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	<i>Trenching</i>
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ 2136

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
<i>Frederick J. Atkinson</i>	<i>as above.</i>
<i>Dan Atkinson</i>	<i>"</i>
<i>Dave Atkinson</i>	<i>"</i>

(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 <i>Mar 2/92</i>	Recorded Holder or Agent (Signature) <i>James Atkinson</i>
--	-------------------------	---

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 <i>James R Atkinson #41-2006 Glenada Cres. Oakville</i>		
Telephone No. <i>416 845 1389</i>	Date <i>Mar 2 1992</i>	Certified By (Signature) <i>James R Atkinson</i>

For Office Use Only

Total Value Cr. Recorded <i>\$ 0</i> (Banked)	Date Recorded <i>March 30/92</i>	Mining Recorder <i>Mike Chumsky</i>	Received Stamp RECEIVED MAR - 2 1992 AM 7,8,9,10,11,12,1,2,3,4,5,6 PM
	Deemed Approval Date	Date Approved	
	Date Notice for Amendments Sent		



Ministry of
Northern Development
and Mines

Ontario

Ministère du
Développement du Nord
et des mines

**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
W9290.00013

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, Minings 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	1000	
	Field Supervision Supervision sur le terrain		1000
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type		
Supplies Used Fournitures utilisées	Type		
	Powder & Gyps	618.42	
			618.42
Equipment Rental Location de matériel	Type Drill	400	
			400.00
Total Direct Costs Total des coûts directs			208.42

2. Indirect Costs/Coûts Indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable for 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 Travel	117.60	
			117.60
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			117.60
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			117.60
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			2136.02
Value totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			

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

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. 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	Total Assessment Claimed
	× 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. 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	Évaluation totale demandée
	× 0,50 =

Certification Verifying Statement of Costs

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 James R. [Signature] I am authorized
(Recorded Holder, Agent, Position in Company)
to make this certification

Attestation de l'état des coûts

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 James R. [Signature] Date Mar 2/92

BAXTER TWP M-1922

