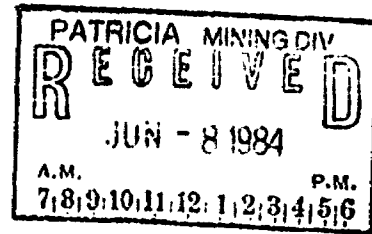




52J02SE8683 2.7127 SQUAW LAKE

010



ROCK GEOCHEMISTRY
 MORGAN ISLAND CLAIMS
 NORTHEAST ARM, STURGEON LAKE
 PATRICIA MINING DIVISION
 DISTRICT OF THUNDER BAY
 NORTHWESTERN ONTARIO
 NTS 52 J/2

Prepared for
 NOBLE PEAK RESOURCES LTD.

ARCTEX ENGINEERING SERVICES

Locke B. Goldsmith, P.Eng.
 Consulting Geologist

May 20, 1984

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APPENDIX: GEOCHEMICAL ANALYSES
 TECHNICAL DATA STATEMENT

MAPS: (Pocket inside back cover)

GEOLOGY

ROCK GEOCHEMISTRY: Au
 As
 Zn
 Cu

ROCK GEOCHEMISTRY
MORGAN ISLAND CLAIMS
NORTHEAST ARM, STURGEON LAKE
PATRICIA MINING DIVISION
DISTRICT OF THUNDER BAY
NORTHWESTERN ONTARIO

SUMMARY

A rock geochemical survey conducted over the claim group accentuates a northeasterly trend of gold values, with an arsenic, copper, and zinc association. When data from this work and all earlier surveys are compiled the preponderance of gold is seen to occur near base line 1 in the vicinity of 4N-14N. A copper-zinc trend along the southeasterly side of the island is associated with ankerite-pyrite veinlets and chlorite alteration, and may represent a halo from mineralization to the east under Sturgeon Lake.

A programme of geological mapping, soil sampling, and diamond drilling totalling approximately 300 m (1000') in 3 holes is recommended at an estimated cost of \$74,000.

INTRODUCTION

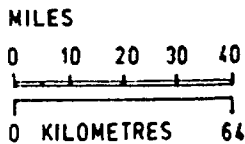
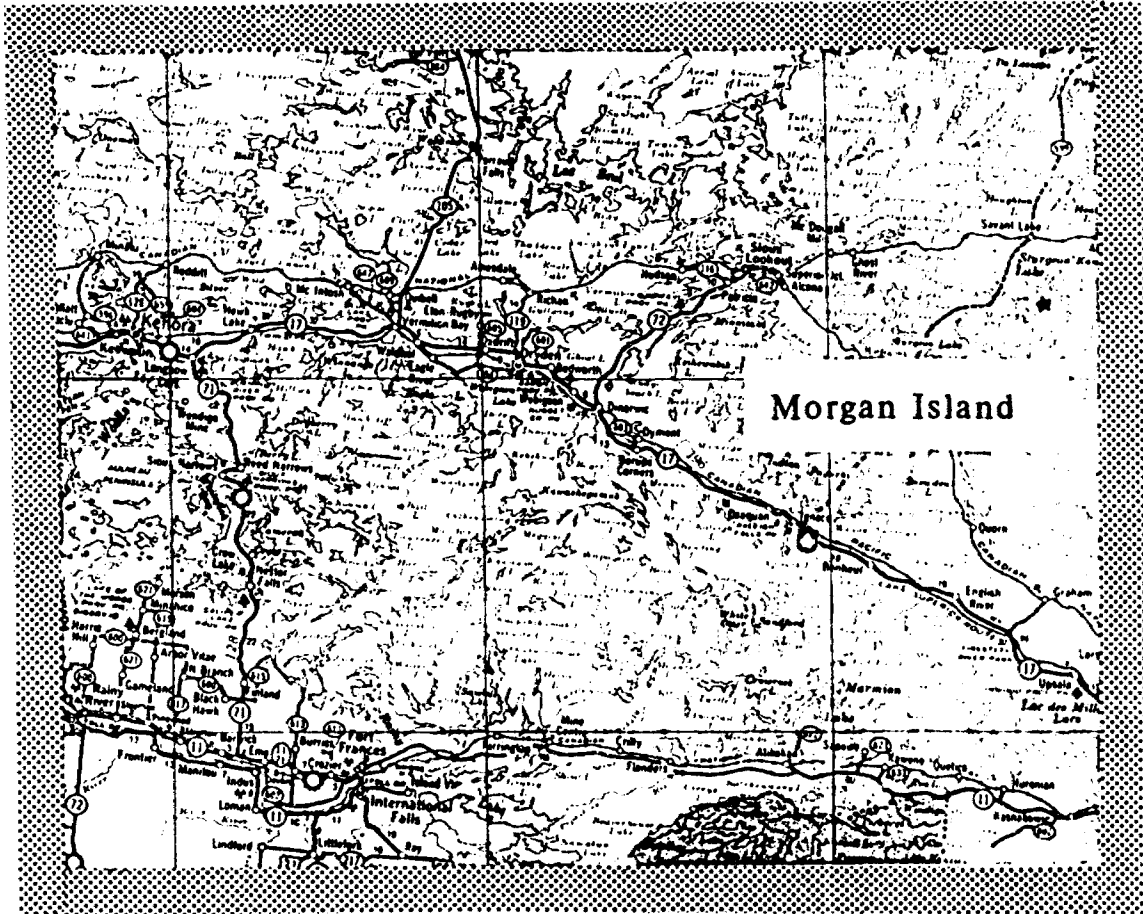
Five claims totalling 200 acres and numbered Pa 570183-Pa 570187 inclusive are held in escrow for Noble Peak Resources Ltd. by the legal firm of Worrall, Scott, and Page, 1000-609 Granville Street, Vancouver, B.C. The property covers the north end of Morgan Island and adjacent water in the northeast arm of Sturgeon Lake, as shown on Claim Map M-1904, Patricia Mining Division.

Morgan Island is located 210 km (130 miles) at Az 335° from the city of Thunder Bay and 16 km (10 miles) at Az 162° from the village of Savant Lake. Paved highways 17 and 599 provide access from Thunder Bay or Dryden, and paved highway 642 connects Sioux Lookout to Savant Lake. A landing on the northwest end of Sturgeon Lake, approximately 3 miles from Savant Lake village, can be reached by car. A boat trip of some 32 km (20 miles) is required to reach the property. A fishing lodge on an island 1 mile southwest of Morgan Island, owned by Art Mousseau of Savant Lake, was used as a base for the survey.

The survey was completed between October 7-11, 1983, by the author and one assistant. Linecutting had been done by contractors in September and October. Work was done on the land portions of all five claims. Approximately 7 km (4.3 miles) of grid was covered. Lines are spaced 61 m (200') apart, with rock sample spacings ideally at 30.5 m (100') stations; gaps in the sample pattern indicate that no rock was located near the station.

HISTORY OF EXPLORATION

Phelps Dodge Corporation completed EM-17 and magnetometer surveys over the claims and the adjacent area to the south in 1973. During 1974-1975 the Avalon Syndicate undertook geological mapping, limited soil and rock geochemistry, and drilled three holes totalling 282 m (925') in the north central portion of the Noble Peak claim group. During 1983 core from holes 1 and 2 was sampled by Donald Smith, P.Eng., on behalf of Noble Peak Resources Ltd; 23 rock samples from surface were also collected at this time. All of the foregoing reports are available from Ontario Ministry of Natural Resources assessment files.

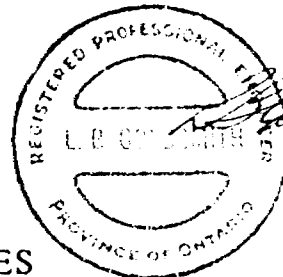


Morgan Island Claims LOCATION MAP

L.B. Goldsmith, P. Eng.

March 1984

ARCTEX ENGINEERING SERVICES



**NOBLE PEAK
RESOURCES LTD.**

Morgan Island Claims

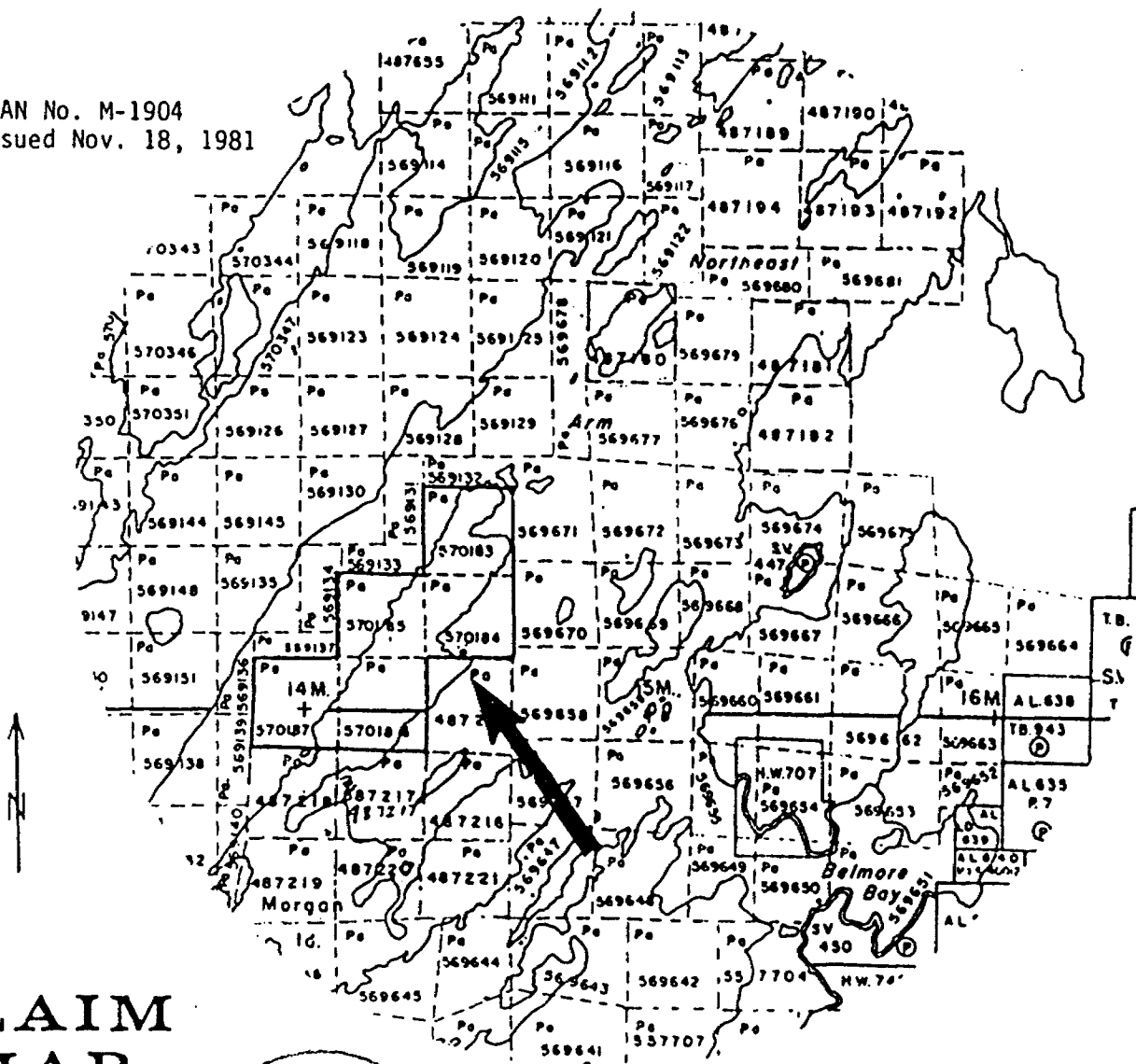
Northeast Arm of Sturgeon Lake

Patricia Mining Division

NTS 52J/2

Northwestern Ontario

PLAN No. M-1904
Issued Nov. 18, 1981



CLAIM MAP

1" = 40 chains

1 INCH = 40 CHAINS

0 1:31918 812 m.

2664 ft.



L.B. Goldsmith, P. Eng.

March 1984

ARCTEX ENGINEERING SERVICES

NOBLE PEAK
RESOURCES LTD.

Geochemically anomalous quantities of gold were reported from carbonate breccia units by Avalon Syndicate. A prospector obtained a sample from a shear zone on Morgan Island circa 1958-59 which assayed approximately 1.57 oz Au/ton (personal communication).

GEOLOGY

The regional and property geology has been described in detail by Trowell (1983 a and b) and Gordanier (1975), and summarized by Smith (1983) in an exploration report. Reproduction of this information is not duplicated herein.

It was noted during sampling that the amount of carbonate (ankerite + pyrite) and chlorite alteration increases along the southeast shore of the island in the upper part of the acid agglomerate unit. Detailed mapping of this horizon is required to assist in determining if the alteration may be part of a halo around a mineralized zone which may be concealed beneath the lake. Alternatively, the geochemistry may be inherent in a chloritoid (?) schist as mapped by Gordanier in this location but not observed by Higgins.

ROCK GEOCHEMISTRY

Chip samples of outcrop were collected on a regular grid. A total of 188 specimens were shipped to X-Ray Assay Laboratories for Au-As-Zn-Cu-Mo-Sb-Hg-Pb analyses.

Arsenic, zinc, and copper results were compiled into probability plots to determine statistical populations. The remaining metals do not allow this treatment for several reasons, i.e.:

- the preponderance of gold, and mercury values are at or below detection limits, with clearly anomalous highs;
- molybdenum and antimony values are below detection limits or are uniformly low; no anomalous populations are indicated;
- a subjective scan of the scatter of lead values indicates that only one population is present.

Gold, arsenic, zinc, and copper are displayed on maps in the back of this report. A geology map from earlier investigations is included for use as an underlay to relate geochemistry to rock units. Some redefinition of the position of contacts and faults, based in part on the spatial location and level of metal content, should be undertaken as part of a subsequent programme.

Gold

Values ranged to 28 ppb, with those above detection limits scattered along a northeast trend in the central part of Morgan Island. When compiled with previous results, the pattern indicates the majority of high values to cluster on either side of the base line between 4N and 14N. The pattern appears to cross rock units at a small angle. The discordancy may be caused by offsetting along left-lateral northwesterly trending faults, by mineralization along multiple en echelon shear zones (some of which cross rock units in the same orientation as the elongation of the gold pattern), or may be more apparent than real and may be explained after remapping.

Arsenic

The probability plot indicates four populations to be present.

As (ppm)

0.3-7.6	This population appears to be a background level for units 1 (dacite tuff), 4 (andesite), and 5 (acid agglomerate).
7.6-21.0	Association unclear. May be background for unit 3 (mafic carbonate breccia).
21.0-105.0	Transcurrent pattern across units 2 (felsic carbonate breccia) and 3 (mafic carbonate breccia). This populations may be background for a coincident structural feature (shear zone). The discordance possibly reflects left-lateral northwesterly trending faults, particularly in the vicinity of lines 14N and 21+50N.
105.0-420.0	A distinct anomalous population, situated within the background (?) transcurrent pattern (discussed above). The highest values occur in the area of anomalous gold between 4N and 10N, and from 4W-5W on lines 16N and 18N.

Zinc

Three statistical populations are present.

Zn (ppm)

16.0-85.0	There is no clear association with lithology. May be background for all units.
85.0-135.0	Possibly subanomalous to anomalous in units 2 (felsic carbonate breccia), 3 (mafic carbonate breccia), and 5 (acid agglomerate).
135.0-400.0	Anomalous in units 2 (felsic carbonate breccia) and 3 (mafic carbonate breccia) in the vicinity of anomalous gold and arsenic, and in unit 5 (acid agglomerate). Values of 88.0-400.0 ppm on the east ends of lines 8N-19+50N may be from an alteration halo associated with mineralization to the southeast beneath Sturgeon Lake. Carbonate (ankerite + pyrite) and apple-green chlorite alteration are present near the shore. Note that the high zinc values occur to the west of anomalous gold-arsenic along the base line; a similar spatial association between zinc and gold is inferred along the east ends of lines 8N-19+50N.

Copper

Two populations are present which appear to correspond to rock units. A sub-group within the higher population may be related to alteration.

Cu (ppm)

2.5-50.0	This population appears to be background for units 1 (dacite tuff), 4 (andesite), and 5 (acid agglomerate).
50.0-660.0	Background for units 2 (felsic carbonate breccia) and 3 (mafic carbonate breccia). The pattern of >100 ppm is displayed on the map to show the continuity in a northeasterly direction without the apparent offsets which are indicated on the gold and arsenic trends. Values of 110.0-250.0 ppm Cu on the east ends of lines 8N-19+50N may be related to an alteration halo, as discussed above for zinc. The high copper values also occur to the west

of anomalous gold-arsenic along the base line, inferring that gold-arsenic values may be present a short distance southeast of the ends of lines 8N-19+50N.

Mercury

The peak value of 300 ppb was contained in sample MOR-1, a picked specimen from a narrow (± 5 cm), discontinuous concentration of massive pyrite on a small island off the northeast tip of Morgan Island.

The second highest content of mercury is 130 ppb at station 12N, 5E, and is associated with high zinc and copper values in the possible alteration halo.

CONCLUSIONS

The geochemistry indicates three main targets to explore for gold mineralization:

- 1) the zone between 4N-14N along the base line;
- 2) the zone extending from 14N, 4W to the northeast;
- 3) the area beneath Sturgeon Lake to the southeast of the southeast shoreline of Morgan Island. Although the geochemical association with possible gold mineralization in this target is inferred and tenuous, it represents an important clue to potential in a part of the property that has not been explored.

Some detailed geological mapping is required to better position contacts of rock units, faults, and shear zones.

A portion of the Phase 1 Recommendations as contained in the report of Donald E. Smith, P.Eng., July 1983, has been completed and documented by this report.

RECOMMENDATIONS

Phase 1 (continued from D. Smith report)

Detailed geological mapping and soil geochemical sampling with an auger should be undertaken in the vicinity of anomalous gold values and along the

southeast shore of Morgan Island. The work is expected to refine the drill targets.

Phase 2

Three diamond drill holes should be planned, one for each target mentioned in the Conclusions. Approximately 300 m (1000') in total may be required. Phase 2 is not conditional upon the results of Phase 1, but should be undertaken as soon as Phase 1 is completed.

COST ESTIMATE

Phase 1

Geological mapping	\$ 3,000	
Soil geochemical sampling	3,500	
Analyses	3,500	
Travel	2,000	
Room, board, supplies, freight	1,000	
Engineering, supervision	1,000	
Report	<u>2,000</u>	
	16,000	
Contingencies @ 10%	<u>1,600</u>	
Total Phase 1	17,600	\$17,600

Phase 2

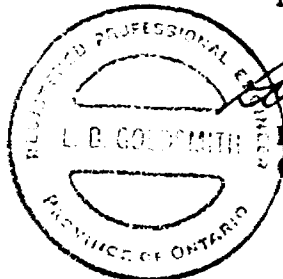
Diamond drilling, 300 m (1000') @ \$100/m	\$30,000	
Geological supervision	6,000	
Analyses	3,000	
Travel, vehicle	2,000	
Room, board, supplies, freight	2,000	
Engineering, supervision	2,000	
Report	<u>2,000</u>	
	47,000	
Contingencies @ 20%	<u>9,400</u>	
Total Phase 2	56,400	<u>56,400</u>

Total, Phases 1 and 2

\$74,000

Phase 2 may proceed when the Phase 1 results are received, without necessity for a formal engineering report because the Phase 1 work is meant to assist in selecting precise drill sites within the target zones.

Respectfully submitted,



Locke B. Goldsmith

Locke B. Goldsmith, P.Eng.
Consulting Geologist

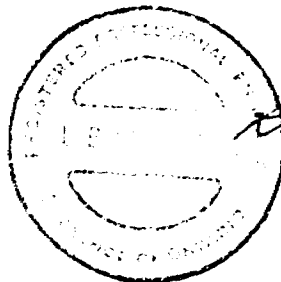
Vancouver, B.C.

May 20, 1984

ENGINEER'S CERTIFICATE

LOCKE B. GOLDSMITH

1. I, Locke B. Goldsmith, am a Registered Professional Engineer in the Province of Ontario and a Registered Professional Geologist in the State of Oregon. My address is 301, 1855 Balsam Street, Vancouver, B.C.
2. I have a B.Sc. (Honours) degree from Michigan Technological University and have done postgraduate study in Geology at Michigan Tech, University of Nevada, and the University of British Columbia. I am a graduate of the Haileybury School of Mines and am a Certified Mining Technician. I am a member of the Society of Economic Geologists, the AIME, and the Australasian Institute of Mining and Metallurgy, and a Fellow of the Geological Association of Canada.
3. I have been engaged in mining exploration for the past 25 years.
4. I have authored the report entitled, "Rock Geochemistry, Morgan Island Claims, Northeast Arm, Sturgeon Lake, Patricia Mining Division, District of Thunder Bay, Northwestern Ontario", dated May 20, 1984. The report is based on a rock geochemical survey undertaken by the author between October 7-11, 1983, and on published, private, and assessment reports.
5. I have no ownership in the property. I am a director of Noble Peak Resources Ltd., and hold escrowed and free-trading shares.
6. I consent to the use of this report in a prospectus, or in a statement of material facts related to the raising of funds.



Respectfully submitted,

*Locke B. Goldsmith*Locke B. Goldsmith, P.Eng.
Consulting Geologist

Vancouver, B.C.

May 20, 1984

REFERENCES

- Gordanier, W., 1975, Geochemistry of a carbonate breccia unit in Northwestern Ontario; unpublished B.Sc. thesis, Dept. of Geology, Univ. of Ottawa.
- Higgins, W.H., 1975, Geology-Morgan Island; private report, prepared for Avalon Syndicate, with geological map and drill logs, Ontario Ministry of Natural Resources Assessment Files.
- Smith, D.E., 1983, Report on the Morgan Island Area property of Noble Peak Resources Ltd., Squaw Lake-Sturgeon Lake Area, Patricia Mining Division, District of Thunder Bay, Northwestern Ontario; private report.
- Trowell, N.F., 1983a, Geology of the Sturgeon Lake Area, Districts of Thunder Bay and Kenora, Ontario: Ontario Geological Survey Report 221, with maps 2456 and 2457, scale 1:50,000.
- _____, 1983b, Geology of the Squaw Lake-Sturgeon Lake Area, District of Thunder Bay, Ontario: Ontario Geological Survey Report 227, with map 2420, scale 1"= $\frac{1}{2}$ mile.
- Woodham, R., 1973, Magnetometer and Horizontal Loop EM-17 Surveys, Morgan Island Sector, Sturgeon Lake Area: private maps, prepared for Phelps Dodge Corporation, Ontario Ministry of Natural Resources Assessment Files.

APPENDIX

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: NOBLE PEAK RESOURCES
ATTN: N. URSELL
5345 TRAFALGAR STREET
VANCOUVER, BRITISH COLUMBIA
V6N 1B8

CUSTOMER NO. 620

DATE SUBMITTED
13-OCT-83

REPORT 19489

REF. FILE 15173-04

188 ROCKS

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
CU PPM	DCP	0.500
ZN PPM	DCP	0.500
AS PPM	FAA	0.100
MO PPM	OCP	1.000
SB PPM	FAA	0.100
HG PPB	WET	10.000
PB PPM	DCP	2.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 03-NOV-83

CERTIFIED BY

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD PULPS 180 DAYS ***
AND REJECTS 90 DAYS FROM DATE OF THIS REPORT

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
37+50N-3W	<2	150.	110.	1.4
37+50N-2W	<2	130.	63.0	49.0
37+50N-1W	2	110.	39.0	32.0
37+50N-BL#2	<2	120.	82.0	5.6
37+50N-1E	<2	70.0	110.	2.0
37+50N-1+60E	<2	120.	94.0	2.2
35+50N-8W	<2	39.0	96.0	9.6
35+50N-7W	<2	8.0	23.0	1.4
35+50N-6W	<2	5.5	44.0	8.4
35+50N-5W	4	8.5	53.0	4.8
35+50N-3W	<2	190.	32.0	6.8
35+50N-2W	<2	210.	53.0	16.0
35+50N-1W	<2	160.	56.0	10.0
35+50N-BL#2	<2	300.	55.0	110.
35+50N-1E	<2	110.	53.0	8.0
31+50N-6+50W	<2	110.	54.0	10.0
31+50N-6W	3	11.0	51.0	4.0
31+50N-5W	<2	13.0	73.0	0.5
31+50N-4W(A)	<2	190.	52.0	40.0
31+50N-4W(B)	<2	14.0	58.0	0.6
31+50N-3W	18	22.0	47.0	47.0
31+50N-2W	<2	180.	70.0	99.0
31+50N-1W	2	190.	71.0	12.0
31+50N-BL#2	<2	190.	51.0	8.9
29+50N-5W	<2	180.	78.0	2.3
29+50N-4W	<2	22.0	57.0	2.6
29+50N-3W	<2	23.0	61.0	35.0
29+50N-2W	10	160.	81.0	43.0
29+50N-1W	<2	81.0	73.0	3.8
29+50N-BL#2	<2	180.	87.0	4.5
29+50N-2E	<2	160.	65.0	79.0
29+50N-3E	<2	150.	130.	3.0
29+50N-4E	<2	14.0	66.0	1.6
29+50N-4+60E	<2	99.0	80.0	1.2
27+50N-4W	<2	13.0	41.0	0.6
27+50N-3W	<2	22.0	28.0	0.5
27+50N-1W	<2	180.	64.0	7.8
27+50N-BL#2	<2	190.	69.0	12.0
27+50N-1E	<2	200.	75.0	40.0
27+50N-2E	<2	170.	58.0	9.7
27+50N-3E	<2	110.	73.0	1.2
27+50N-4E	<2	95.0	65.0	1.2
27+50N-5E	<2	19.0	45.0	3.0
25+50N-3+85W	<2	5.0	46.0	2.4
25+50N-3W	<2	21.0	58.0	5.4
25+50N-2W	<2	24.0	57.0	4.5
25+50N-BL#2	28	280.	54.0	82.0
25+50N-1E	<2	170.	60.0	31.0
25+50N-2E	2	160.	51.0	47.0
25+50N-3E	<2	170.	54.0	13.0

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
25+50N-4E	<2	160.	50.0	4.9
25+50N-5E	<2	210.	74.0	230.
23+50N-3+75W	<2	86.0	40.0	4.3
23+50N-3W	<2	32.0	46.0	11.0
23+50N-2W	<2	23.0	57.0	5.0
23+50N-1W	<2	13.0	51.0	1.0
23+50N-BL#2	<2	32.0	64.0	1.0
23+50N-1E	<2	230.	27.0	59.0
23+50N-3E	<2	130.	51.0	2.6
23+50N-4E	<2	190.	37.0	4.8
23+50N-5E	<2	130.	37.0	2.3
23+50N-6E	<2	120.	61.0	12.0
23+50N-7E	<2	9.5	32.0	11.0
23+50N-8E	<2	4.5	48.0	0.4
23+50N-9E	3	26.0	38.0	2.3
23+50N-10E	<2	36.0	67.0	1.2
23+50N-11E	<2	8.0	70.0	2.1
23+50N-12E	<2	16.0	48.0	0.7
21+50N-2W	<2	39.0	62.0	1.2
21+50N-1W	<2	13.0	73.0	5.0
21+50N-BL#2	<2	36.0	73.0	3.7
21+50N-1E	<2	300.	59.0	4.6
21+50N-2E	<2	230.	110.	26.0
21+50N-3E	<2	170.	28.0	6.0
21+50N-4E	21	80.0	22.0	0.6
21+50N-6E	<2	29.0	38.0	3.0
21+50N-7E	3	54.0	54.0	8.6
21+50N-8E	<2	19.0	39.0	0.6
21+50N-9E	<2	21.0	55.0	1.4
21+50N-10E	<2	19.0	52.0	0.8
21+50N-11E	<2	5.5	51.0	1.4
21+50N-12E	19	4.5	77.0	2.0
21+50N-13+75E	4	79.0	97.0	1.4
19+50N-9+85W	<2	18.0	73.0	1.4
19+50N-9W	<2	65.0	64.0	22.0
19+50N-8W	3	23.0	63.0	8.0
19+50N-7W	<2	21.0	56.0	7.0
19+50N-6W	3	250.	96.0	72.0
19+50N-5W	<2	140.	36.0	5.6
19+50N-4W	<2	160.	49.0	5.0
19+50N-3W	<2	120.	95.0	42.0
19+50N-2W	6	93.0	43.0	4.0
19+50N-1W	9	9.5	23.0	1.0
19+50N-BL	<2	18.0	51.0	0.7
19+50N-1E	<2	14.0	50.0	4.2
19+50N-2E	<2	8.5	35.0	0.7
19+50N-3E	<2	97.0	400.	1.6
19+50N-4E	<2	140.	120.	1.0
18N-8+75W	<2	11.0	72.0	5.6
18N-8W	<2	23.0	40.0	9.7

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
18N-7W	<2	13.0	52.0	2.3
18N-6W	<2	42.0	63.0	56.0
18N-5W	<2	41.0	41.0	350.
18N-4W	<2	160.	73.0	14.0
18N-3W	<2	130.	35.0	3.2
18N-2W	<2	150.	77.0	52.0
18N-1W	<2	10.0	100.	1.0
18N-BL	<2	15.0	57.0	6.6
18N-1E	<2	23.0	63.0	7.3
18N-2E	<2	12.0	37.0	1.0
18N-3E	<2	6.5	83.0	0.7
18N-4E	<2	23.0	88.0	0.7
18N-4+80E	<2	51.0	140.	1.2
16N-8W	<2	18.0	32.0	1.0
16N-6W	<2	86.0	40.0	1.6
16N-5W	<2	120.	41.0	170.
16N-4W	<2	210.	80.0	6.2
16N-3W	<2	120.	34.0	5.4
16N-1W	<2	31.0	90.0	0.9
16N-8L	<2	10.0	55.0	0.5
16N-1E	<2	19.0	21.0	2.1
16N-2E	<2	92.0	98.0	1.0
16N-3E	5	15.0	69.0	0.5
16N-4E	<2	120.	120.	1.5
16N-5E	<2	9.0	17.0	1.2
14N-6+85W	<2	38.0	58.0	1.4
14N-6W	<2	34.0	78.0	1.7
14N-5W	<2	11.0	24.0	0.9
14N-4W	<2	180.	51.0	52.0
14N-3W	<2	160.	32.0	13.0
14N-1W	<2	210.	58.0	5.3
14N-BL	<2	61.0	58.0	1.7
14N-1E	<2	12.0	58.0	0.5
14N-2E	6	4.0	78.0	0.3
14N-3E	<2	3.5	16.0	0.3
14N-5E	<2	110.	110.	2.3
12N-6W	<2	39.0	57.0	5.0
12N-5W	<2	14.0	36.0	3.7
12N-4W	<2	250.	47.0	8.7
12N-3W	<2	180.	71.0	8.3
12N-1W	<2	180.	50.0	1.7
12N-8L	<2	210.	65.0	57.0
12N-1E	<2	17.0	62.0	1.7
12N-2E	2	16.0	54.0	7.5
12N-3E	<2	6.0	56.0	0.5
12N-4E	<2	2.5	49.0	0.5
12N-5E	<2	170.	110.	0.8
12N-6E	4	96.0	380.	1.1
10N-5W	<2	51.0	110.	2.9
10N-4W	<2	14.0	57.0	0.3

SAMPLE	AU PPB	CU PPM	ZN PPM	AS PPM
10N-3W	<2	310.	41.0	5.7
10N-2W	7	190.	49.0	35.0
10N-BL	<2	200.	56.0	64.0
10N-2E	<2	22.0	110.	26.0
10N-3E	<2	6.0	52.0	13.0
10N-4E	<2	24.0	99.0	5.7
10N-6E	<2	11.0	44.0	0.8
10N-8+80E	<2	110.	57.0	1.9
8N-3+90W	<2	10.0	35.0	0.6
8N-3W	<2	660.	84.0	150.
8N-2W	4	190.	48.0	37.0
8N-1W	<2	120.	150.	2.4
8N-BL	<2	110.	90.0	210.
8N-2E	24	21.0	65.0	9.0
8N-3F	<2	13.0	55.0	6.7
8N-4E	<2	2.5	41.0	1.7
8N-5E	<2	3.0	73.0	2.1
8N-6E	<2	170.	110.	2.3
8N-7E	<2	93.0	100.	2.3
6+50N-2E	<2	45.0	57.0	42.0
6N-3W	<2	13.0	42.0	6.7
6N-2W	3	320.	86.0	12.0
6N-1W	13	260.	75.0	42.0
6N-0+25E	2	82.0	120.	1.5
6N-3E	<2	10.0	29.0	0.9
6N-3+50E	<2	19.0	27.0	3.4
5+40N-1E	<2	88.0	68.0	69.0
4N-2+75W	<2	16.0	29.0	2.1
4N-2W	<2	18.0	41.0	4.2
4N-1W	<2	210.	85.0	110.
4N-BL	<2	79.0	160.	1.1
4N-1+62E	<2	12.0	76.0	0.6
4N-1+85E	<2	150.	42.0	420.
2N-1+50W	<2	40.0	41.0	11.0
2N-0+65W	<2	200.	55.0	9.7
2N-1E	<2	24.0	82.0	3.8
MOR-1	4	160.	58.0	71.0
MOR-2	2	250.	150.	1.4

SAMPLE	MO PPM	SB PPM	HG PPB	PB PPM
37+50N-3W	<1	0.2	10	16
37+50N-2W	<1	0.2	10	34
37+50N-1W	<1	0.2	60	20
37+50N-BL#2	<1	0.1	20	14
37+50N-1E	<1	0.1	<10	10
37+50N-1+60E	<1	0.1	<10	14
35+50N-8W	<1	0.1	<10	10
35+50N-7W	<1	<0.1	<10	6
35+50N-6W	<1	0.1	<10	12
35+50N-5W	<1	0.3	NSS	100
35+50N-3W	<1	0.2	10	20
35+50N-2W	<1	0.2	10	16
35+50N-1W	<1	0.3	<10	18
35+50N-BL#2	<1	0.2	60	20
35+50N-1E	<1	0.1	10	10
31+50N-6+50W	<1	0.1	<10	14
31+50N-6W	<1	0.1	10	24
31+50N-5W	<1	<0.1	10	4
31+50N-4W(A)	<1	0.1	10	32
31+50N-4W(B)	<1	<0.1	10	10
31+50N-3W	<1	0.1	10	4
31+50N-2W	<1	0.1	10	24
31+50N-1W	<1	0.1	<10	28
31+50N-BL#2	<1	0.1	<10	24
29+50N-5W	<1	0.1	<10	6
29+50N-4W	<1	0.1	<10	10
29+50N-3W	<1	0.1	10	6
29+50N-2W	<1	0.1	<10	26
29+50N-1W	<1	<0.1	<10	36
29+50N-BL#2	<1	0.1	<10	32
29+50N-2E	<1	0.1	<10	30
29+50N-3E	<1	0.2	<10	12
29+50N-4E	<1	0.1	<10	4
29+50N-4+60E	<1	<0.1	<10	16
27+50N-4W	<1	0.1	<10	10
27+50N-3W	<1	<0.1	<10	2
27+50N-1W	<1	0.1	<10	28
27+50N-BL#2	<1	0.1	10	30
27+50N-1E	<1	0.1	10	18
27+50N-2E	<1	0.1	20	32
27+50N-3E	<1	0.1	<10	12
27+50N-4E	<1	0.1	<10	14
27+50N-5E	2	0.1	<10	8
25+50N-3+85W	<1	0.1	<10	6
25+50N-3W	<1	0.1	<10	8
25+50N-2W	<1	0.2	<10	8
25+50N-BL#2	1	0.1	10	12
25+50N-1E	<1	0.1	<10	22
25+50N-2E	<1	0.1	<10	24
25+50N-3E	<1	<0.1	<10	32

NSS - NOT SUFFICIENT SAMPLE

SAMPLE	MO PPM	SB PPM	HG PPB	PB PPM
25+50N-4E	<1	0.1	10	22
25+50N-5E	<1	0.1	10	32
23+50N-3+75W	<1	0.1	<10	6
23+50N-3W	<1	0.1	<10	8
23+50N-2W	<1	0.1	<10	6
23+50N-1W	<1	0.1	<10	4
23+50N-BL#2	<1	0.1	<10	8
23+50N-1E	<1	0.1	<10	24
23+50N-3E	<1	<0.1	<10	14
23+50N-4E	<1	0.1	<10	26
23+50N-5E	<1	0.1	<10	28
23+50N-6E	<1	<0.1	<10	8
23+50N-7E	<1	0.1	<10	2
23+50N-8E	<1	<0.1	<10	8
23+50N-9E	<1	<0.1	<10	10
23+50N-10E	<1	<0.1	<10	8
23+50N-11E	<1	<0.1	10	10
23+50N-12E	<1	<0.1	<10	6
21+50N-2W	<1	0.1	<10	14
21+50N-1W	<1	0.1	<10	8
21+50N-BL#2	<1	0.1	<10	4
21+50N-1E	<1	<0.1	<10	18
21+50N-2E	<1	<0.1	<10	26
21+50N-3E	<1	<0.1	<10	18
21+50N-4E	<1	<0.1	<10	6
21+50N-6E	<1	<0.1	<10	4
21+50N-7E	<1	0.1	20	8
21+50N-8E	<1	<0.1	<10	8
21+50N-9E	<1	<0.1	<10	10
21+50N-10E	<1	<0.1	<10	8
21+50N-11E	<1	<0.1	<10	12
21+50N-12E	<1	<0.1	<10	8
21+50N-13+75E	<1	0.1	<10	24
19+50N-9+85W	<1	0.1	<10	8
19+50N-9W	<1	0.1	<10	8
19+50N-8W	<1	0.1	<10	8
19+50N-7W	<1	0.1	<10	6
19+50N-6W	<1	0.1	<10	24
19+50N-5W	<1	0.1	<10	18
19+50N-4W	<1	<0.1	<10	30
19+50N-3W	2	0.1	10	16
19+50N-2W	<1	0.1	<10	6
19+50N-1W	<1	<0.1	<10	4
19+50N-BL	<1	<0.1	<10	10
19+50N-1E	<1	<0.1	<10	8
19+50N-2E	<1	<0.1	<10	4
19+50N-3E	<1	<0.1	<10	20
19+50N-4E	<1	<0.1	<10	18
18N-8+75W	<1	<0.1	<10	10
18N-8W	<1	<0.1	<10	2

SAMPLE	MO PPM	SB PPM	HG PPB	PB PPM
18N-7W	<1	<0.1	<10	4
18N-6W	2	<0.1	<10	6
18N-5W	<1	0.1	<10	24
18N-4W	<1	<0.1	<10	18
18N-3W	<1	<0.1	<10	30
18N-2W	<1	<0.1	<10	26
18N-1W	<1	<0.1	<10	10
18N-BL	<1	<0.1	<10	10
18N-1E	<1	<0.1	<10	12
18N-2E	<1	<0.1	<10	8
18N-3E	<1	<0.1	<10	12
18N-4E	1	<0.1	<10	8
18N-4+80E	<1	<0.1	<10	12
16N-8W	4	<0.1	<10	10
16N-6W	<1	0.1	<10	14
16N-5W	<1	0.1	<10	32
16N-4W	<1	<0.1	<10	42
16N-3W	<1	0.1	<10	30
16N-1W	<1	<0.1	<10	8
16N-BL	1	<0.1	<10	8
16N-1E	2	<0.1	<10	6
16N-2E	<1	<0.1	<10	18
16N-3E	1	<0.1	<10	8
16N-4E	<1	<0.1	<10	16
16N-5E	<1	<0.1	<10	8
14N-6+85W	2	<0.1	<10	8
14N-6W	<1	<0.1	<10	8
14N-5W	1	<0.1	<10	2
14N-4W	<1	<0.1	<10	30
14N-3W	<1	<0.1	<10	34
14N-1W	<1	0.1	<10	30
14N-BL	2	<0.1	<10	20
14N-1E	<1	<0.1	<10	6
14N-2E	1	<0.1	<10	10
14N-3E	1	<0.1	<10	4
14N-5E	<1	<0.1	<10	16
12N-6W	<1	0.1	<10	6
12N-5W	1	<0.1	<10	6
12N-4W	<1	<0.1	<10	30
12N-3W	<1	<0.1	<10	28
12N-1W	<1	<0.1	<10	30
12N-BL	<1	<0.1	<10	40
12N-1E	<1	<0.1	<10	6
12N-2E	1	<0.1	<10	8
12N-3E	<1	<0.1	<10	8
12N-4E	<1	<0.1	10	10
12N-5E	<1	0.1	130	22
12N-6E	<1	<0.1	<10	12
10N-5W	<1	<0.1	<10	8
10N-4W	<1	<0.1	<10	8

SAMPLE	MO PPM	SB PPM	HG PPB	PB PPM
10N-3W	<1	<0.1	<10	16
10N-2W	<1	0.1	<10	40
10N-BL	<1	<0.1	20	28
10N-2E	<1	0.1	20	12
10N-3E	2	<0.1	10	14
10N-4E	<1	<0.1	30	8
10N-6E	1	<0.1	<10	6
10N-8+80E	<1	<0.1	<10	16
8N-3+90W	<1	<0.1	10	12
8N-3W	4	0.1	<10	12
8N-2W	<1	0.1	<10	34
8N-1W	<1	0.1	<10	16
8N-BL	<1	0.1	<10	34
8N-2E	1	<0.1	<10	8
8N-3E	1	<0.1	<10	4
8N-4E	1	<0.1	20	10
8N-5E	<1	<0.1	<10	10
8N-6E	<1	<0.1	<10	14
8N-7E	<1	<0.1	<10	14
6+50N-2E	<1	<0.1	<10	6
6N-3W	<1	<0.1	<10	6
6N-2W	<1	0.1	<10	16
6N-1W	<1	0.1	<10	32
6N-0+25E	<1	<0.1	<10	16
6N-3E	<1	<0.1	20	4
6N-3+50E	<1	<0.1	<10	10
5+40N-1E	<1	0.1	70	30
4N-2+75W	<1	<0.1	<10	8
4N-2W	<1	<0.1	<10	12
4N-1W	<1	<0.1	<10	28
4N-BL	<1	<0.1	<10	14
4N-1+62E	<1	<0.1	<10	6
4N-1+85E	<1	0.1	<10	32
2N-1+50W	<1	<0.1	<10	12
2N-0+65W	<1	0.1	<10	26
2N-1E	<1	0.1	<10	4
MOR-1	<1	0.5	300	12
MOR-2	<1	<0.1	<10	30



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT

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

Type of Survey(s) ROCK GEOCHEMICAL
Township or Area NORTHEAST ARM STURSEON LAKE NTS 5212
Claim Holder(s) BOULDER LAKE RESOURCES LTD.
Survey Company ARIZONA ENGINEERING SERVICES
Author of Report ROCKE D. GOROSHIAN, P. ENG.
Address of Author 301-1255 LAWSON ST. VANCOUVER, BC.
Covering Dates of Survey SEPTEMBER 20 - OCTOBER 11
Total Miles of Line Cut 4.3

MINING CLAIMS TRAVERSED
List numerically

Table with 2 columns: (prefix) and (number). Entries include 570183, 570184, 570185, 570186, 570187.

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED table with columns for Geophysical and DAYS per claim. Includes entries for Electromagnetic, Magnetometer, Radiometric, Other, and Rock Geochemical (40).

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____

DATE: June 4/84 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications 2.2072

Table with 4 columns: File No., Type, Date, Claim Holder. Header: Previous Surveys.

TOTAL CLAIMS _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken Pa 570183 - Pa 570187 INCLUSIVE

Total Number of Samples 188
Type of Sample ROCK CHIP OF OUTCROP
(Nature of Material)
Average Sample Weight 2 POUNDS
Method of Collection HAMMER

Soil Horizon Sampled _____
Horizon Development _____
Sample Depth _____
Terrain _____

Drainage Development _____
Estimated Range of Overburden Thickness _____

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

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

Cu, Pb, Zn, Ni, Co, Ag, Mn, As (circle)

Others Al, Hg, Sb

Field Analysis (_____ tests)

Extraction Method _____
Analytical Method _____
Reagents Used _____

Field Laboratory Analysis

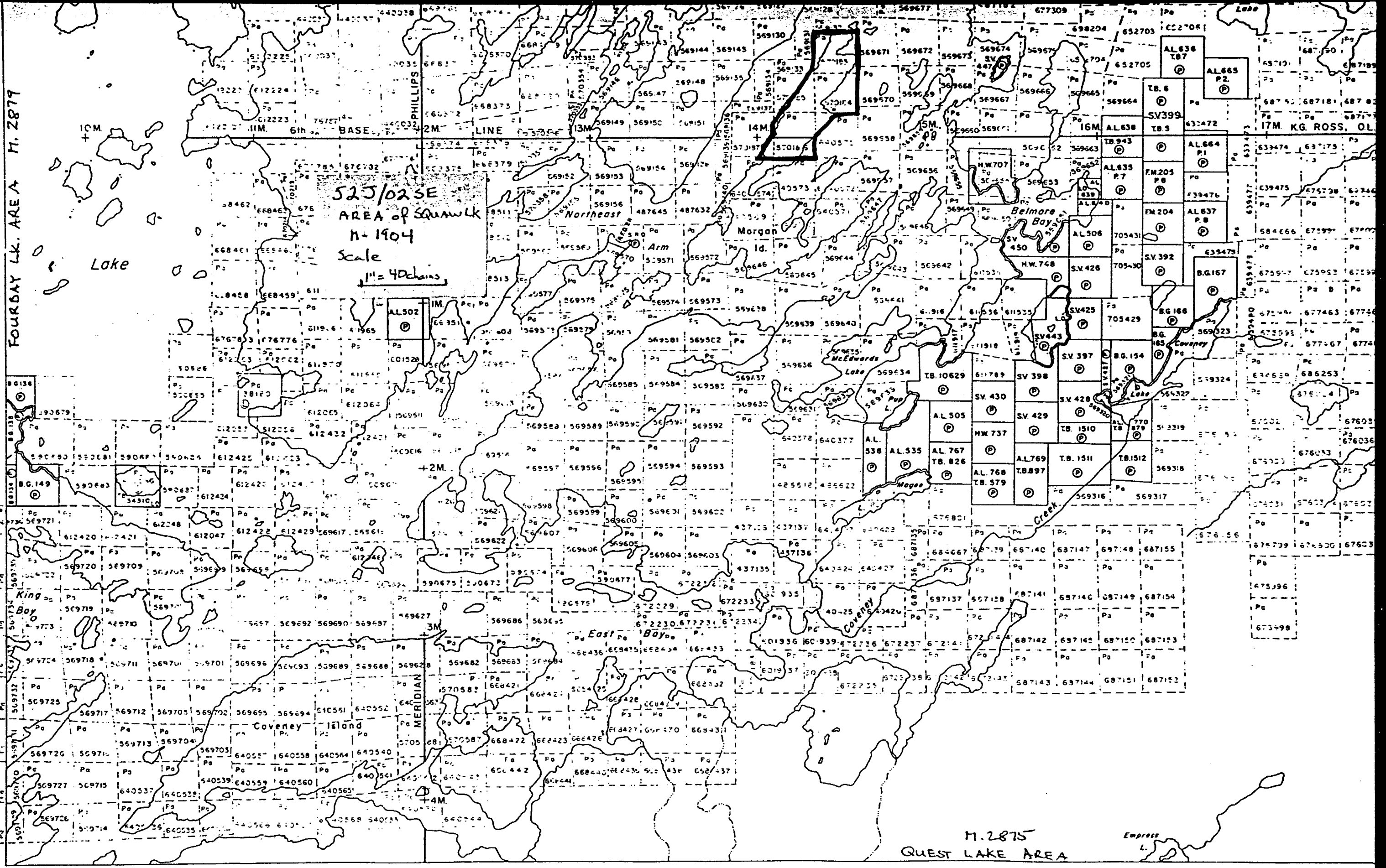
No. (_____ tests)
Extraction Method _____
Analytical Method _____
Reagents Used _____

Commercial Laboratory (188 tests)

Name of Laboratory X-RAY LABS
Extraction Method _____
Analytical Method _____
Reagents Used _____

General _____

FOURDAY LK. AREA M. 2879



525/02 SE
 AREA of Squawlk
 N-1904
 Scale
 1" = 40 chains

M. 2875
 QUEST LAKE AREA

44° 43° 42° 41° 40° 39° 38° 37° 36° 35°
 31° 30° 30° 30° 30° 30° 30° 30° 30° 30°



Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

84-83

2.7127

Instructions: - Print type or print.
- If number of mining claims traversed exceeds space on this form, attach a separate sheet.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below

Min. Lands

The Mining Act

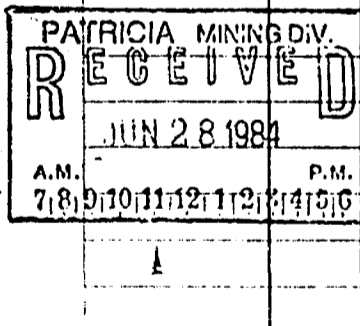
Type of Survey(s) <i>Geochemical</i>	Township or Area <i>Squam Lake G 3140</i>
Claim Holder(s) <i>Noble Peak Resources Ltd (Option from J. Randa)</i>	Prospector's Licence No. <i>71766</i>
Address <i>5345 Tremaine St., Vancouver, B.C.</i>	
Survey Company <i>Arctex Engineering Services</i>	Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr. <i>7 10 83 11 10 83</i>
Name and Address of Author (of Geo-Technical report) <i>Luke B. Goldsmith, P. Eng. 301-1855 Bessam St., Vancouver, B.C.</i>	Total Miles of line Cut <i>4.3</i>
Date of Report <i>20 5 89</i>	

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Electromagnetic	
	Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	Radiometric	
	Other	
	Geological	
	Geochemical	<i>40</i>
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	
	Geochemical	<i>72</i>
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
<i>P2</i>	<i>570183</i>	<i>40</i>			
	<i>570184</i>	<i>60</i>			
	<i>570185</i>	<i>60</i>			
	<i>570186</i>	<i>60</i>			
	<i>570187</i>	<i>60</i>			



Expenditures (excludes power stripping)

Type of Work performed
Geochemical Analyses

Performed on Claim(s)
P2 570183 - 570187 NCL

Calculation of Expenditure Days Credits

Total Expenditures *\$ 5799.58* + 15 = Total Days Credits *597*

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

P. 569608

Total number of mining claims covered by this report of work. *5*

For Office Use Only	
Total Days Cr. Recorded <i>200</i>	Date Recorded <i>June 28, 1984</i>
Date Approved as Recorded <i>8.9.14</i>	Mining Recorder <i>[Signature]</i>
	Branch Director <i>[Signature]</i>

Date *June 23/84*

Recorded by or Agent (Signature)
[Signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
Luke B. Goldsmith, P. Eng. 301-1855 Bessam St., Vancouver, B.C. V6K 3M3

Date Certified *7/11/84*

Certified by (Signature)
[Signature]

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey <i>Rock Geochemical</i>												
Technical Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">28</div>	X	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center;">7</div>	=	Technical Days Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">196</div>	+	Line-cutting Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">14</div>	=	Total Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">210</div>	÷	No. of Claims <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">5</div>	=	Days per Claim <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto; text-align: center;">42</div>

Type of Survey												
Technical Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	X	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center;">7</div>	=	Technical Days Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	+	Line-cutting Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	=	Total Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	÷	No. of Claims <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	=	Days per Claim <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>

Type of Survey												
Technical Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	X	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center;">7</div>	=	Technical Days Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	+	Line-cutting Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	=	Total Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	÷	No. of Claims <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	=	Days per Claim <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>

Type of Survey												
Technical Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	X	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center;">7</div>	=	Technical Days Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	+	Line-cutting Days <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	=	Total Credits <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	÷	No. of Claims <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	=	Days per Claim <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>

1984 09 11

Your File: 84-83
Our File: 2.7127

Albert Hanson
Mining Recorder
Ministry of Natural Resources
P.O. Box 309
Sioux Lookout, Ontario
POV 2T0

Dear Sir:

We have received reports and maps for a Geochemical Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims PA 570183 et al in the Area of Squaw Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 365-4888

A. Barr:mc

cc: Noble Peak Resources Ltd
5345 Trafalgar Street
Vancouver, B.C.
V6N 1B8

cc: Locke B. Goldsmith
Suite 301
1855 Balsam Street
Vancouver, B.C.
V6K 3M3

Noble Peak Resources Ltd.

Vancouver, B.C.

Tel. (604) 266-4216

February 13, 1984

Mr. A. Hanson
Mining Recorder
Patricia Mining Division
P.O. Box 669
SIOUX LOOKOUT, Ontario
POV 2T0

RECEIVED
FEB 20 1984
PATRICIA MINING DIV.

Dear Sir:

Re: Mining Claims Pa570183 - 187 inc.
Area of Squaw Lake M1904
Patricia Mining Division

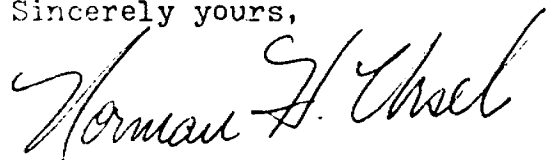
In addition to work recorded on the above claims a geochemical survey was completed in October and November of last year. Compiling these data has been delayed - maps and proper work reports will be submitted by the end of this month.

The cost of the survey and assays was \$9,000.00+. Copies of the receipts from X-Ray Assay Laboratories are enclosed simply to provide some proof of work to you at this time.

Will you also please send certified abstracts on the above claims showing their present status.

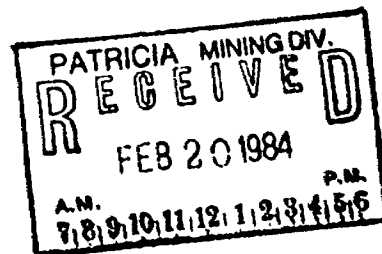
Please send invoice to the above address.

Sincerely yours,



Norman H. Ursel, P.Eng.
President

encls.



ANAL

ANAL ANAL LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755
COPY TO

INVOICE TO:

NOBLE PEAK RESOURCES
ATTN: N. URSELL
5345 TRAFALGAR STREET
VANCOUVER, BRITISH COLUMBIA
V6N 1B8

SUBMITTED TO:

NOBLE PEAK RESOURCES
ATTN: N. URSELL
5345 TRAFALGAR STREET
VANCOUVER, BRITISH COLUMBIA
V6N 1B8

INVOICE NO.	CUSTOMER NO.	A20	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
19489	03-NOV-83	15173	13-OCT-83		
TERMS					

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

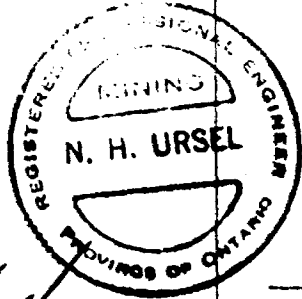
CLIENTS P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
		ROCK

QTY OF BAGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
4 BAGS	AIR CANADA	014-02616633	

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 188	CU, ZN, MO, PB, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	4.85	911.80
2. 188	AU	2, 10, 7, 0, 0, 0	6.50	1222.00
3. 188	AS, SB, MIXED ACID DIG.	3, 8, 0, 0, 0, 0	7.50	1410.00
4. 187	HG	5, 9, 0, 0, 0, 0	5.00	935.00
5. 188	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	517.00

\$ 26.60

PATRICIA MINING DIV.
RECEIVED
FEB 20 1984
A.M. P.M.
7|8|9|10|11|12|1|2|3|4|5|6



N. H. Urssel

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	SUB-TOTAL	\$ 4995.80
MISC CHARGES	OTHER		SURCHARGE - HIGH SERVICE		\$ 203.74
TOTAL				IN CANADIAN FUNDS	\$ 5199.54

ORIGINAL INVOICE

XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755
COPY TO

VOICE TO:

NOBLE PEAK RESOURCES
ATTN: N. URSELL
5345 TRAFALGAR STREET
VANCOUVER, BRITISH COLUMBIA
V6N 1B8

SUBMITTED TO:

NOBLE PEAK RESOURCES
ATTN: N. URSELL
5345 TRAFALGAR STREET
VANCOUVER, BRITISH COLUMBIA
V6N 1B8

INVOICE NO.	CUSTOMER NO.	WORK ORDER NO.	DATE SUBMITTED
19556	130	15266	24-OCT-83
TERMS			

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

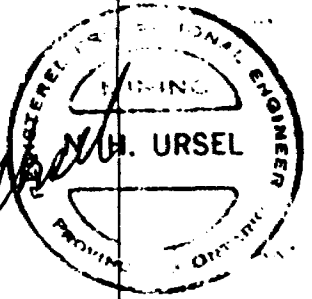
INSTR. P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
		ROCK

QTY OF PKGS.	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1 BOX	SMALL FRY	50598	

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 12	CU, ZN, AG, PB, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	4.85	58.20
2. 12	AU	2, 10, 7, 0, 0, 0	6.50	78.00
3. 12	AS, SB, MIXED ACID DIG.	3, 8, 0, 0, 0, 0	7.50	90.00
4. 12	HG	5, 9, 0, 0, 0, 0	5.00	60.00
5. 12	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	33.00
			SUB-TOTAL	\$ 319.20

PATRICIA MINING DIV.
RECEIVED
FEB 20 1984
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

Copy Norman J.



MISC. CHARGES	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES
	15.80			
OTHER				CHARGE - RUSH SERVICE
				\$ 15.80

TOTAL IN CANADIAN FUNDS \$ 335.00

ORIGINAL INVOICE

XRAL

A-MAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO

INVOICE TO:

NOBLE PEAK RESOURCES
ATTN: N. URSELL
5345 TRAFALGAR STREET
VANCOUVER, BRITISH COLUMBIA
V6N 1B8

SUBMITTED TO:

NOBLE PEAK RESOURCES
ATTN: N. URSELL
5345 TRAFALGAR STREET
VANCOUVER, BRITISH COLUMBIA
V6N 1B8

CUSTOMER NO. 620

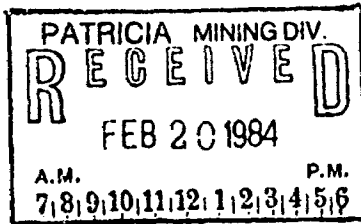
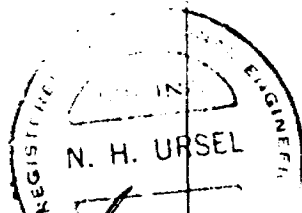
INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
19578	10-NOV-83	15302	27-OCT-83

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENTS P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
		ROCK

NO. OF PAGES	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 5	CU, MIXED ACID DIGESTION	1, 7, 0, 0, 0, 0	2.15	10.75
2. 5	AU	2, 10, 7, 0, 0, 0	6.50	32.50
3. 5	AS, SB, MIXED ACID DIG.	3, 8, 0, 0, 0, 0	7.50	37.50
4. 5	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	13.75
				<p><i>copy to Norman J. Wood</i></p> <p>SUB-TOTAL \$ 94.50</p>

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES
MISC. CHARGES	OTHER	PURCHASE - WITH SERVICE	

TOTAL CANADIAN FUNDS \$ 94.50

ORIGINAL INVOICE

No. 85-11-05

THE TORONTO-DOMINION BANK

CURRENT ACCOUNT

TORONTO DOMINION TOWER BRANCH
700 W. GEORGIA ST., PACIFIC CENTRE
VANCOUVER, B.C. V7Y 1A2

THE TORONTO-DOMINION BANK

APR. 22 1983

PAY TO THE ORDER OF

X-Ray Assay Lab

PAID

LEDGER \$ 5629 04
04
100 DOLLARS

*Re Inv. 19570
19556
19489*

NOBLE OPEN BANK DESIGNER CENTRE BRANCH
9400 Pacific Centre, Vancouver

Norman J. Shell

⑈ 940000004: 090200711210⑈

⑈0000562904⑈

NOV 28 1983
1982-004
ONTARIO BSB 1XX

FOR DEPOSIT ONLY
TO THE CREDIT OF
X-RAY ASSAY LABORATORIES LTD.
NOV 28 1983
TORONTO-DOMINION BANK
CENTRAL OFFICE

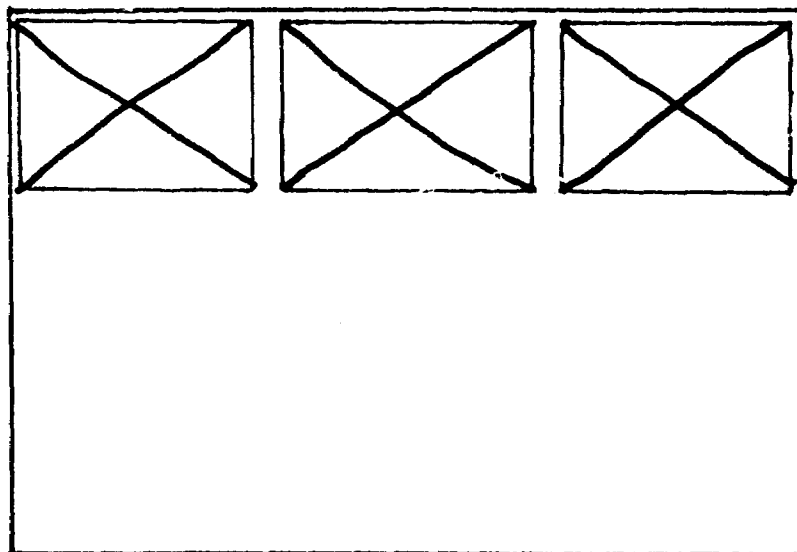
NOV 28 1983
TORONTO-DOMINION BANK
CENTRAL OFFICE
TORONTO, ONTARIO

SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

525/02SE-0076 # 1-3

LOCATED IN THE MAP
CHANNEL IN THE
FOLLOWING SEQUENCE

(X)



FOR ADDITIONAL

INFORMATION

SEE MAPS:

52J/02SE-0076 # 4-5

NOBLE PEAK RESOURCES LTD.

MORGAN ISLAND CLAIM GROUP

NORTHEAST ARM STURGEON LAKE NORTHWESTERN ONTARIO
PATRICIA MINING DIVISION

2.7127

NTS 52 J / 2
MARCH, 1984

GEOLOGY

1: 2400

NORTHEAST ARM
STURGEON LAKE

STRATIGRAPHY

MAFIC INTRUSIVES

6 METADIORITE PORPHYRITIC METAGABBRO

METAVOLCANICS

5 ACID AGGLOMERATES
VOLCANIC CONGLOMERATES
ACID TUFFS & BRECCIAS

4 ANDESITE - PILLOWED AND MASSIVE

3 MAFIC CARBONATE BRECCIA - BOTH
BEDDED AND WITH MAFIC AGGLOMERATE CLASTS

2 FELSIC CARBONATE BRECCIA - BOTH LAMINATED
AND WITH LAPILLI-SIZED PINKISH FELSIC CLASTS

1 DACITE TUFF AND DACITIC SCHISTS
SERICITE SCHISTS, AGGLOMERATES AND BRECCIAS

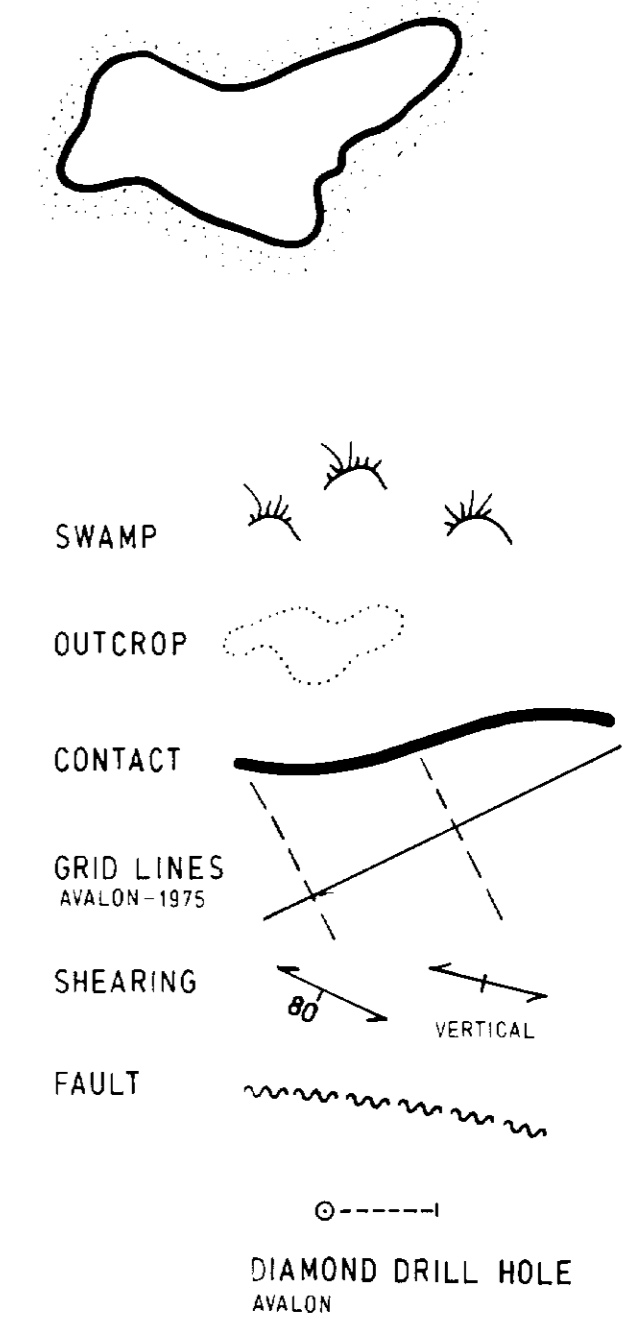
GEOLOGY AFTER
W. H. HIGGINS
SEPTEMBER 1975

Pa 570187

Pa 570185
Pa 570186

Pa 570184

MORGAN ISLAND



Geochemistry

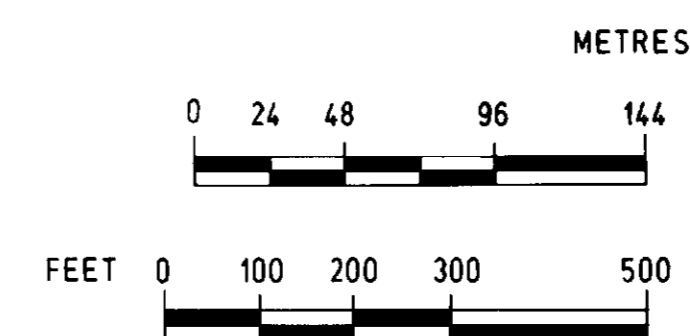
SOIL SAMPLE NUMBER	PPB Au	PPM Ag	PPM Pb	PPM Zn	PPM Sb	PPM As
MI-01	4.0	1.4	32	49	20	25
02	12	0.4	18	24	24	5
03	26	0.2	8	9	4	ND
04	24	0.4	6	18	12	5
05	28	0.2	14	27	18	5
06	18	0.2	8	62	8	5
07	20	0.6	18	92	18	25
08	8	0.2	6	11	14	5
09	4	0.2	8	26	10	5
10	6	0.2	10	23	20	5
11	6	0.6	14	46	42	40
12	2	0.2	12	30	28	5
13	32	0.2	8	31	12	5
14	4	0.5	45	86	45	15
15	8	0.8	24	67	32	20
16	4	0.5	30	67	40	5
17	46	0.8	30	117	42	40
18	42	0.8	34	167	48	15
19	24	0.6	24	123	48	10
20	16	1.0	44	180	44	30
ROCK C-775	115	16.4	7100	18720	68	250

1982 KERR ADDISON MINES
GEOCHEMICAL SAMPLES :

SOIL MI SERIES
ROCK

SAMPLE LOCATIONS

1975 AVALON SYNDICATE SAMPLES p.p.b. Au



200

525/02SE-0076, #1

NOBLE PEAK RESOURCES LTD.

MORGAN ISLAND CLAIMS

Northeast Arm of Sturgeon Lake Patricia Mining Division
 NTS 52J/2 Northwestern Ontario

1983 GEOCHEMISTRY

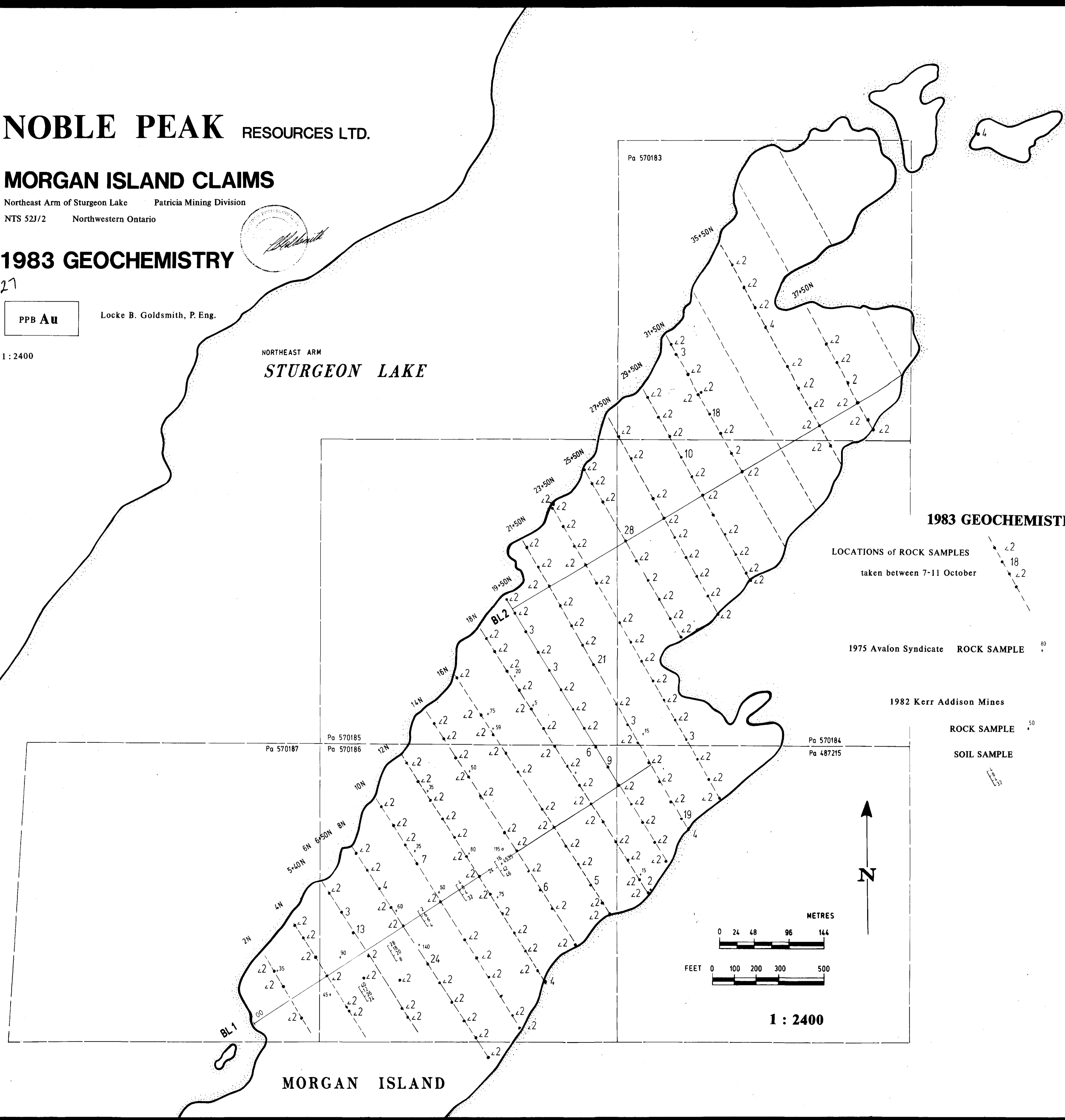
2.7127

PPB Au

Locke B. Goldsmith, P. Eng.

1 : 2400

NORTHEAST ARM
STURGEON LAKE



1983 GEOCHEMISTRY

LOCATIONS of ROCK SAMPLES
 taken between 7-11 October

1975 Avalon Syndicate ROCK SAMPLE 80

1982 Kerr Addison Mines

ROCK SAMPLE 50

SOIL SAMPLE

1 : 2400

52J/02SE-0076, #2



NOBLE PEAK RESOURCES LTD.

MORGAN ISLAND CLAIMS

Northeast Arm of Sturgeon Lake Patricia Mining Division
NTS 52J/2 Northwestern Ontario

1983 GEOCHEMISTRY

2.7127

L.B. Goldsmith, P. Eng.

PPM As

March 1984

1:2400

NORTHEAST ARM
STURGEON LAKE

STATISTICAL POPULATIONS, p.p.m. BASED ON PROBABILITY PLOTS

0.3 - 7.6	7.6 - 21.0	21.0 - 105.0	105.0 - 420.0
Outlines units 1 (dacite tuff) and 4 (andesite).	Provenance unclear. May be background for unit 3 (mafic carbonate breccia).	Transcurrent pattern (background ?) across units 2 (felsic carbonate breccia) and 3 (mafic carbonate breccia). This continuity possibly reflects left-lateral northwesterly trending faults.	A distinct anomalous population within the background (?) pattern of units 2 (felsic carbonate breccia) and 3 (mafic carbonate breccia). Occurs in the area of anomalous gold on lines 4N-10N.

> 42.0 p.p.m. shown

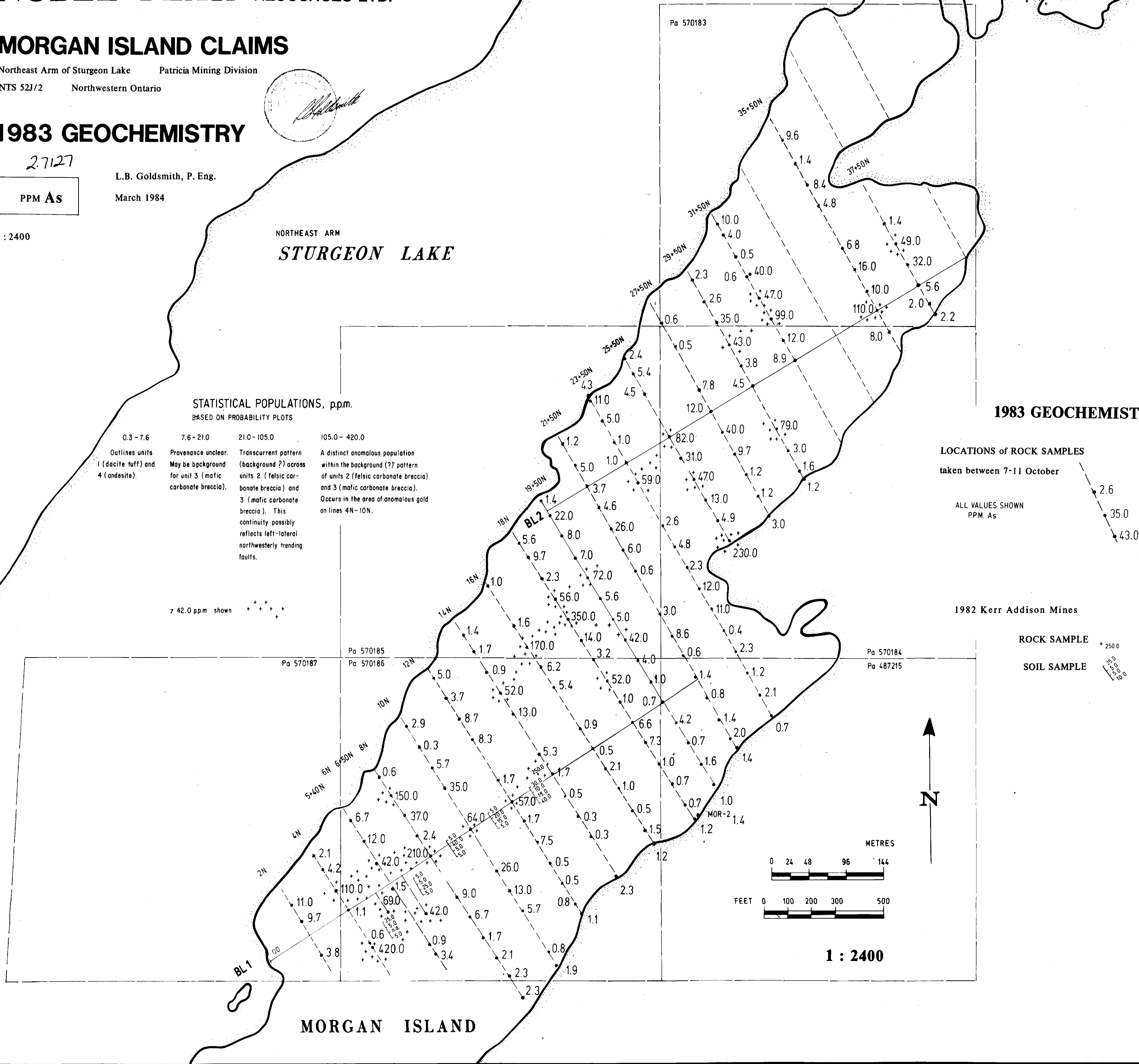
1983 GEOCHEMISTRY

LOCATIONS of ROCK SAMPLES
taken between 7-11 October

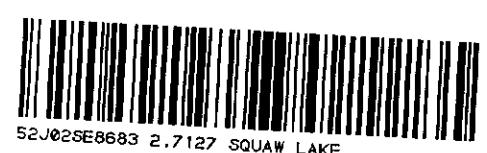
ALL VALUES SHOWN
PPM. As

1982 Kerr Addison Mines

ROCK SAMPLE 250.0
SOIL SAMPLE 1.35
1.50
1.50
1.50



1:2400



52-2026683 2.7127 SQUARE LINE

NOBLE PEAK RESOURCES LTD.

MORGAN ISLAND CLAIMS

Northeast Arm of Sturgeon Lake Patricia Mining Division
NTS 52J/2 Northwestern Ontario

1983 GEOCHEMISTRY

27127

PPM Zn

L.B. Goldsmith, P. Eng.
March 1984

1:2400

NORTHEAST ARM
STURGEON LAKE

STATISTICAL POPULATIONS, p.p.m.

DETERMINED FROM PROBABILITY PLOTS

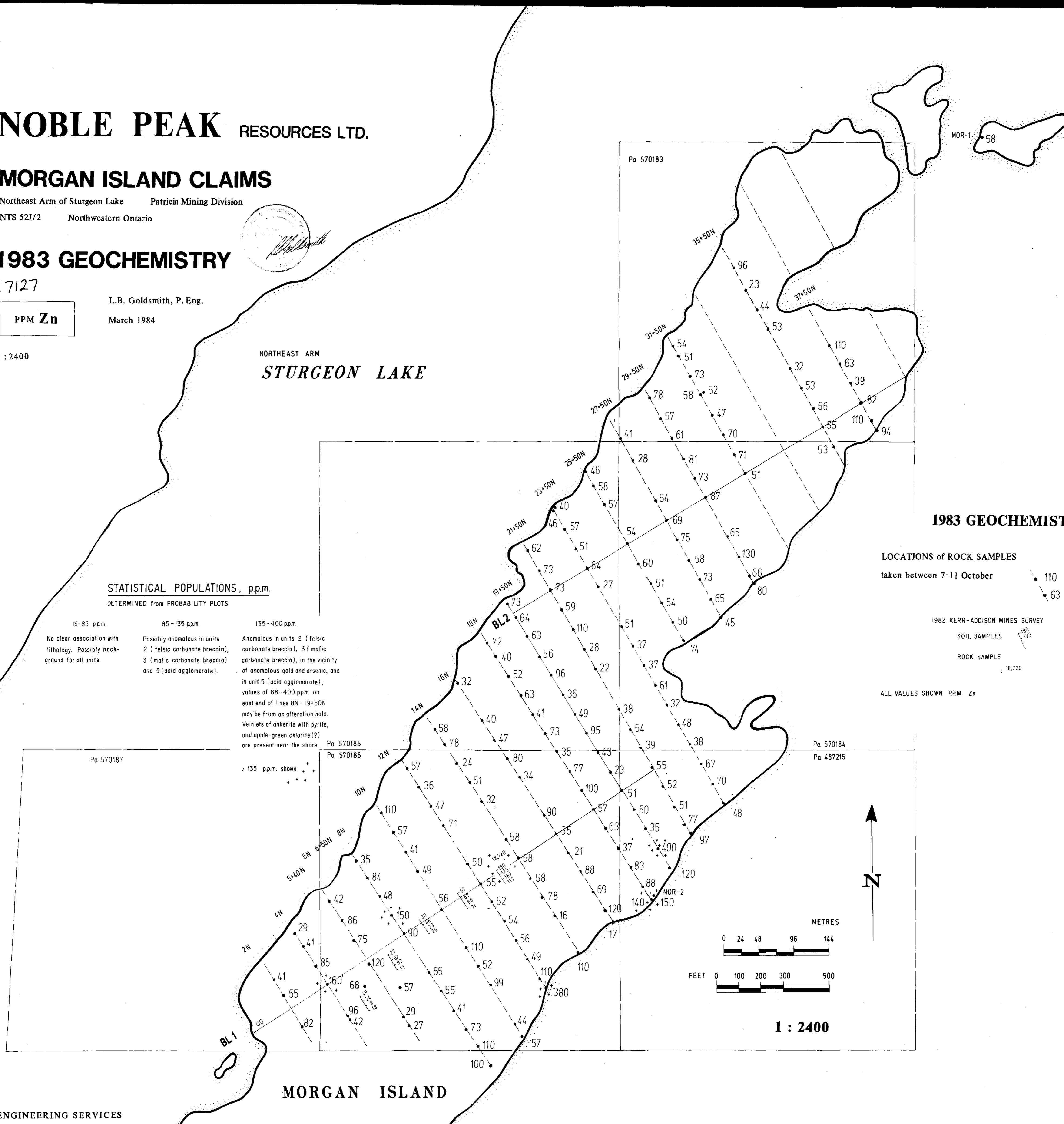
16-85 p.p.m. No clear association with lithology. Possibly background for all units.	85-135 p.p.m. Possibly anomalous in units 2 (felsic carbonate breccia), 3 (mafic carbonate breccia) and 5 (acid agglomerate).	135-400 p.p.m. Anomalous in units 2 (felsic carbonate breccia), 3 (mafic carbonate breccia), in the vicinity of anomalous gold and arsenic, and in unit 5 (acid agglomerate); values of 88-400 p.p.m. on east end of lines 8N-19+50N may be from an alteration halo. Veinlets of ankerite with pyrite, and apple-green chlorite (?) are present near the shore.
---	--	--

1983 GEOCHEMISTRY

LOCATIONS OF ROCK SAMPLES
taken between 7-11 October

1982 KERR-ADDISON MINES SURVEY
SOIL SAMPLES
ROCK SAMPLE

ALL VALUES SHOWN PPM. Zn



MORGAN ISLAND

1:2400

ARCTEX ENGINEERING SERVICES



52J/2SE/02 2-7127 STURGEON LAKE

230

52J/02SE-0076, #4

NOBLE PEAK RESOURCES LTD.

MORGAN ISLAND CLAIMS

Northeast Arm of Sturgeon Lake Patricia Mining Division
NTS 52J/2 Northwestern Ontario

1983 GEOCHEMISTRY

27127

PPM Cu

L.B. Goldsmith, P. Eng.

March 1984

1:2400

NORTHEAST ARM
STURGEON LAKE

STATISTICAL POPULATIONS, ppm.,
determined from probability plots.

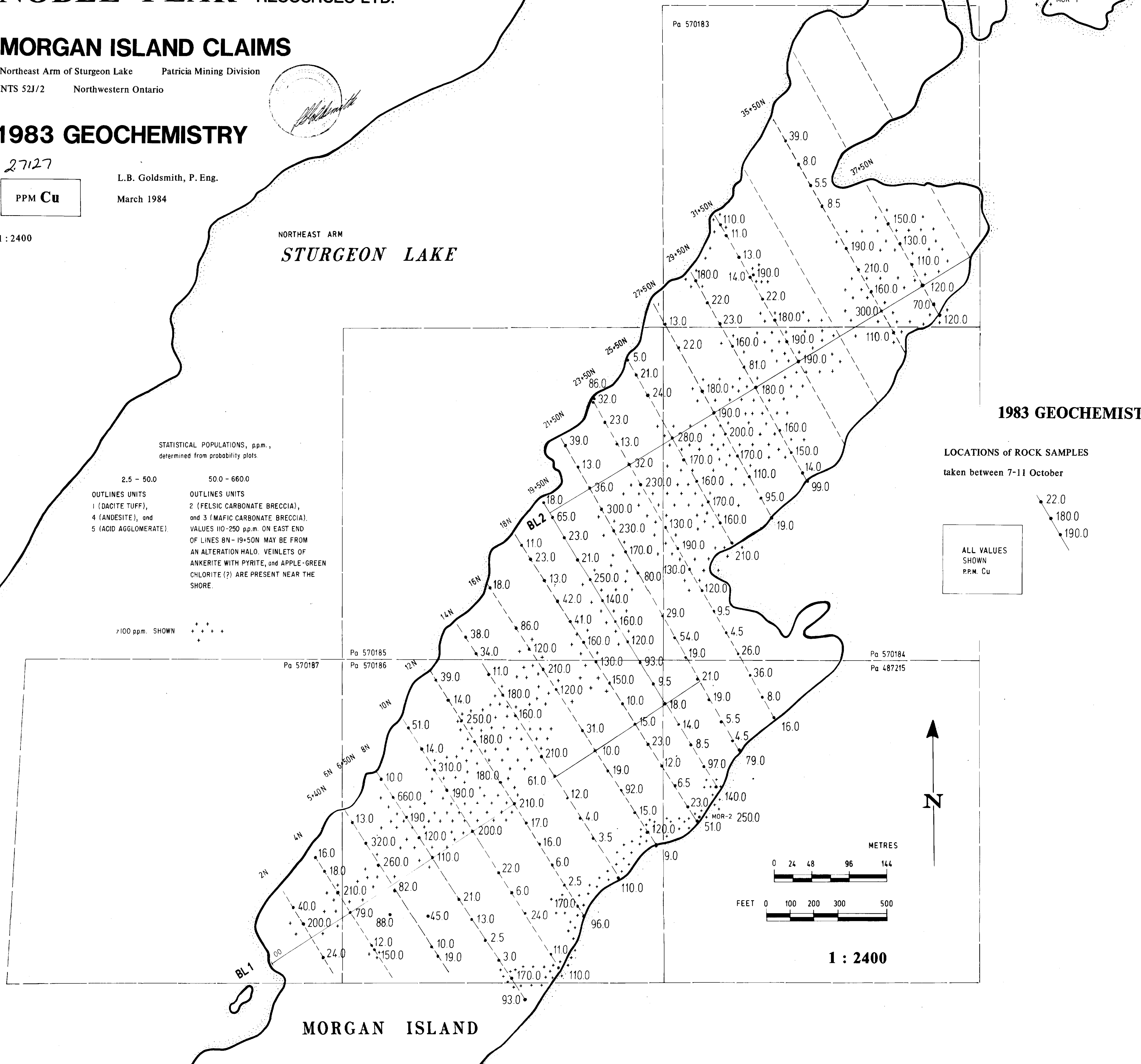
2.5 - 50.0	50.0 - 660.0
OUTLINES UNITS 1 (DACITE TUFF), 4 (ANDESITE), and 5 (ACID AGGLOMERATE).	OUTLINES UNITS 2 (FELSIC CARBONATE BRECCIA), and 3 (MAFIC CARBONATE BRECCIA). VALUES 110-250 ppm. ON EAST END OF LINES 8N-19+50N MAY BE FROM AN ALTERATION HALO. VEINLETS OF ANKERITE WITH PYRITE, and APPLE-GREEN CHLORITE (?) ARE PRESENT NEAR THE SHORE.

>100 ppm. SHOWN

1983 GEOCHEMISTRY

LOCATIONS of ROCK SAMPLES
taken between 7-11 October

ALL VALUES
SHOWN
PPM Cu



1:2400



52J/02SE-0076#5