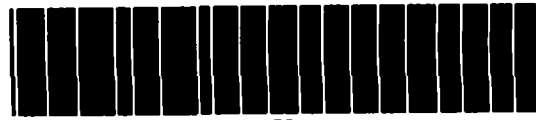


W9460.00171

REPOF



41015SW0017 2.15582 DENYES

010

ON THE

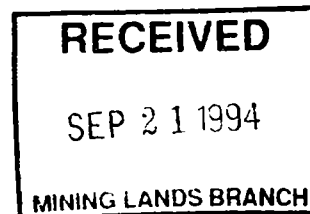
2.155 82

INDUCED POLARIZATION PROGRAMME

BARTY LAKE PROPERTY

DENYES TOWNSHIP, ONTARIO

PORCUPINE MINING DIVISION

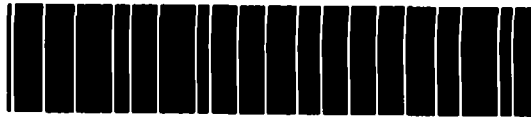


ONTARIO

BY

DAN PATRIE

WINTER 1993/94



41015SW0017 2.15582 DENYES

010C

TABLE OF CONTENTS

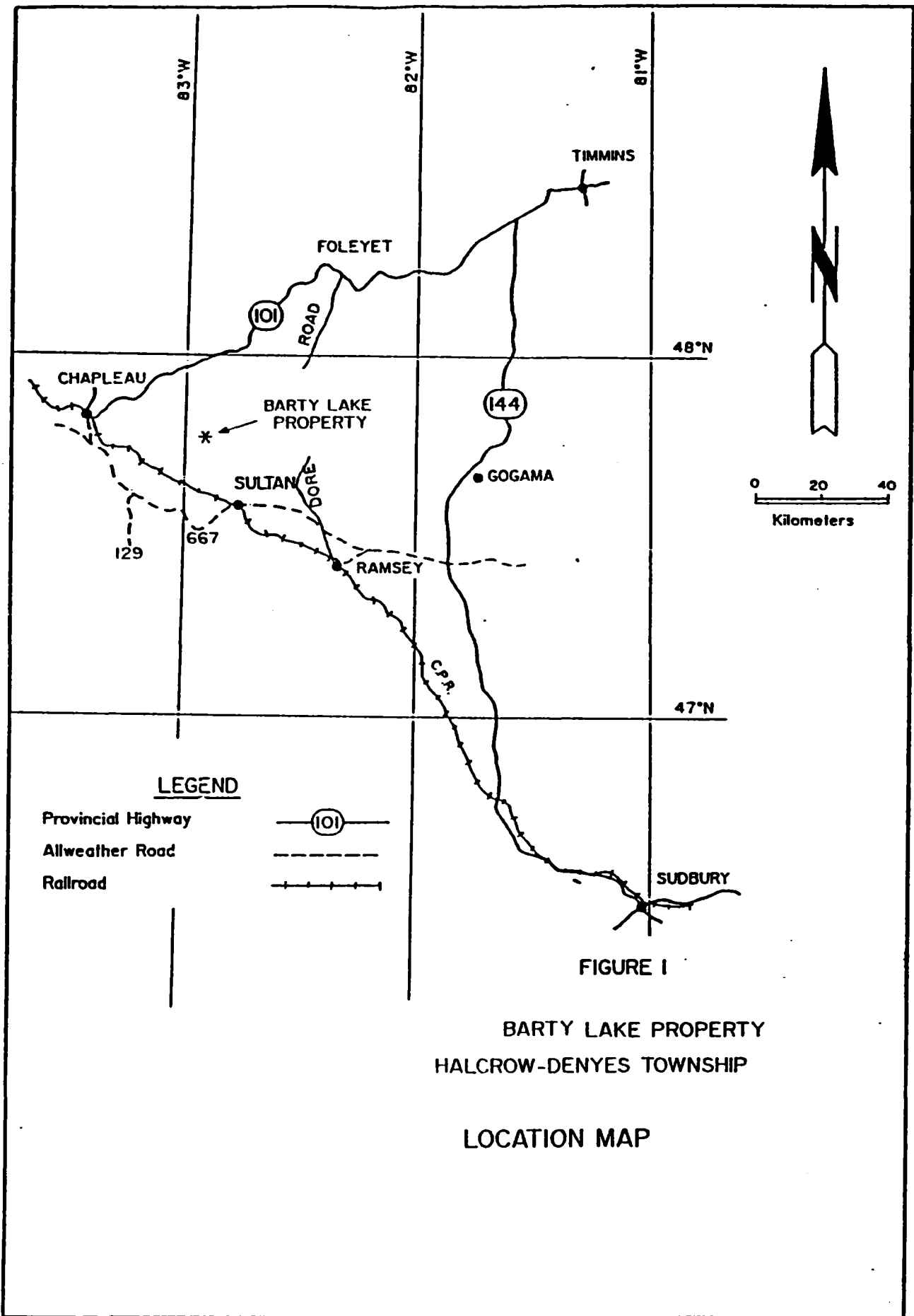
	PAGE
1. INTRODUCTION	1
2. SUMMARY AND RECOMMENDATIONS	2
3. PROPERTY	3
3.1 CLAIM DESCRIPTION	3
3.2 LOCATION AND ACCESS	3
3.3 TOPOGRAPHY AND VEGETATION	4
4. PREVIOUS WORK IN THE AREA	4
5. GEOLOGY	7
5.1 REGIONAL GEOLOGY	5
5.2 PROPERTY GEOLOGY	10
6. CURRENT EXPLORATION PROGRAMME	11
6.1 WORK DONE	11
7. CONCLUSIONS	11
8. INTERPRETATION	13
9. RECOMMENDED EXPLORATION PROGRAMME	16
REFERENCES	
3 FIGURES	
5 DRAWINGS	
1 MAP	
CERTIFICATE OF QUALIFICATION	

1. INTRODUCTION

The Barty Lake property consists of 104 claims (16 hectare units) in the southwestern part of Denyes township, approximately 40 km east of Chapleau, 140 km southwest of Timmins and 200 km northwest of Sudbury, Ontario in the Swayze area, Porcupine Mining Division (Figure 1).

The subject claim group surrounds to the north, east and south a group of 45 claims covering two (2) east-southeast trending deformation zones which host gold mineralization of economic interest. Gold mineralization on the 45 claims appears to be associated with north-northwest trending structures where they intersect the east-southeast trending deformation zones. Most areas show extensive carbonate alteration and one (1) area shows extensive green carbonate alteration with quartz veining and anomalous arsenic values.

The writer with the help of an OPAP grant carried out a limited programme of exploration on the Barty Lake property. A programme of line-cutting, re-picket and induced polarization carried out to locate areas of gold and base metal potential. The following report summarizes the results of previous work in the area, the work carried out during the current programme and the results obtained from that work.



2. SUMMARY AND RECOMMENDATIONS

Between Dec. 01 to Jan 31, 1993 a programme of line-cutting, re-picketting and Induced Polarization program was completed on the Barty Lake property. A 2 level I.P Was done on lines 0 to 14E from 400 South to 900 North. From 0 to 14E South shows a strong I.P. anomaly which is coincidental with the humus samples taken in these areas and over EM conductors in the same locations.

The following programme be carried out on all existing claims on the property to complete the evaluation.

1. Completion of the grid lines spaced at 100 metres over the total claim group of 104 claims.
2. Geological mapping and prospecting of the property.
3. Completion of the magnetometer, VLF-EM and horizontal loop surveys.
4. A test I.P. survey be completed over showings and along shear zones, as well as zones of magnetic depletion and V.L.F. anomalies.
5. Geochemical soil sampling of the property.

Following completion of this work and contingent upon the results then additional work could be considered to further evaluate property for gold and base metal mineralization.

Respectfully submitted,

Daniel Patrie
Geophysical Technologist (Dipl.T)
August 10, 1994

3. PROPERTY

3.1 CLAIM DESCRIPTION

The property consists of 104 contiguous, unpatented mining claims (16 hectare units) which are listed below and which are shown in Figure 2 after claim map M-758, Denyes township, Ministry of Natural Resources, Ontario, Surveys and Mapping Branch. The claims are held in the name of: J. Patrie, General Delivery, Algoma Mills, Ontario, POP 1A0 and Daniel F. Patrie, P.O. Box 45, Massey, Ontario, POP 1P0.

TABLE 1
DENYES TOWNSHIP CLAIMS

Claim Numbers	No. of Claims
993840 to 993851 inclusive	12
993907	1
994548 to 994553 inclusive	6
1072211 to 1072220 inclusive	10
1087218 to 1087277 inclusive	60
1088860 to 1088874 inclusive	<u>15</u>
TOTAL	104

3.2 LOCATION AND ACCESS

The Barty Lake property is located at 47 degrees 47' latitude, 82 degrees 48' longitude in Denyes township, District of Sudbury, Porcupine Mining Division approximately 40 kilometres east of Chapleau, 140 kilometres southwest of Timmins and 200 kilometres northwest of Sudbury, Ontario.

Access to the property is by float-equipped or ski-equipped aircraft to the lake in the centre of the property. The property can also be reached by road. The Dore Forest access road between Foleyet and the Eddy Forest products road in the south provides access on lumber roads to the west which are located along the

northern edge of the claim group. From here the property can be easily accessed on foot, all terrain vehicle or by snow machine.

3.3 TOPOGRAPHY AND VEGETATION

The main topographic feature of the property is Barty Lake in its central part which is drained by Engineer's Creek northwestward to Sylvanite Lake. In general the property consists of a series of ridges separated by sections of low ground and swamp. For the most part, the ridges are covered with jackpine, the occasional red pine, poplar and birch. Cedars, in particular, and alders are common in the low-lying, swampy areas. Much of the area has been infected by spruce, budworm which creates very difficult travel conditions due to the number of blow-downs.

4. PREVIOUS WORK IN THE AREA

There is no record of any previous work from the subject claims in the government assessment files. However, between November 30 and December 22, 1991 under the field supervision of the Writer in association with Norwin Geological Ltd carried out a limited programme of exploration on the Barty Lake property which included line-cutting, magnetometer survey, VLF-EM survey and horizontal loop EM (Max-Min) survey, which shows in the southern part, a prominent east-west trending magnetic anomaly and in the eastern part a north-south trending anomaly. In the southeastern part of the property, the VLF-EM survey showed a number of conductors over a strike length of several hundred metres within a metavolcanic unit and north of a strong magnetic anomaly. The

horizontal loop EM (Max-Min) survey indicated a zone of conductivity in the southeastern part of the grid immediately north of the baseline within a metavolcanic unit and coincident with the VLF-EM conductors, which is interpreted to be coincidental with the projected position of a deformation zone from the northwest. These conductive zones are considered to parallel the formational contacts and may be due to sulphides. Also, the old trenching found indicates that at some time, probably during the 1930's the area was prospected and limited amount of hand trenching carried out. Unfortunately there appears to be no record of this work.

South of the subject claims in the northwest corner of Lee Lake, Lee Gold Mines Ltd. carried out shaft sinking and lateral development on a zone of alteration and gold mineralization in the early 1930's. (Gordon et al, 1979).

South of the Lee prospect in West-central Greenlaw township and west of Hot Stone Lake the Newbec prospect was explored between 1932 and 1947. The main showing is a quartz carbonate vein in a east-trending shear in schistose greywacke. Sampling indicated erratic gold values ranging from 0.01 to 0.29 ounces of gold/ton. (Gordon et al, 1979)

In May of 1984, Aerodat Ltd. flew 147 line-km with a helicopter combined mag-EM survey for Lenora Eploration on claims south and west of Sylvanite Lake which indicated six (6) east-west to southeast trending airborne EM conductors south of the subject property. (Ontario Geological Survey Assessment files, Toronto, File 2.7116).

The area was mapped by J.F.Donovan for the Geological Survey in 1964 and 1965 and the results are printed in report 63, Geology of Halcrow-Ridout Lakes Area, District of Sudbury, Ontario, 1968. The writer and J.Patrie staked a group of 25 claims in the spring of 1988 to cover a mineralized shear on the banks of Sylvanite Creek between Lee Lake and Sylvanite Lake. Subsequently a grid with lines at 400 foot spacing was cut on the property and magnetometer and VLF-EM surveys were completed over the area. The property was also prospected and a number of rock samples collected for analyses. At the same time a number of old trenches were located and due to the favourable geology and the results obtained an additional 20 claims were staked south of the original 25. This is the 45 claim property west of the subject claims.

J.Ireland of the Ontario Ministry of Northern Development and Mines visited the 45 claim property to the west and prepared a report on it in September of 1988. (Ireland, 1988).

Terraquest Ltd. covered the subject claims and the adjacent 45 claims to the west with an airborne magnetic and VLF-EM survey in October of 1989 (Terraquest Ltd., 1989). The airborne survey was carried out along lines flown at 100 metre spacing with lines directed northeast perpendicular to the regional strike. The interpreted intermediate to mafic volcanics within the area are shown by the magnetic survey to contain several west-northwest trending magnetically active horizons particularly in the central and southern parts of the property. The low magnetic response in the southern part of the area was interpreted to be related to

clastic metasediments. The magnetic data has indicated numerous diabase dykes trending northwest and northeast.

The magnetics suggest fault oriented at 080 degrees, 050 degrees and 330 degrees. A number of the EM conductors appear to be related to conductive overburden however, some appear to be related to stratigraphy and are recommended for ground follow-up.

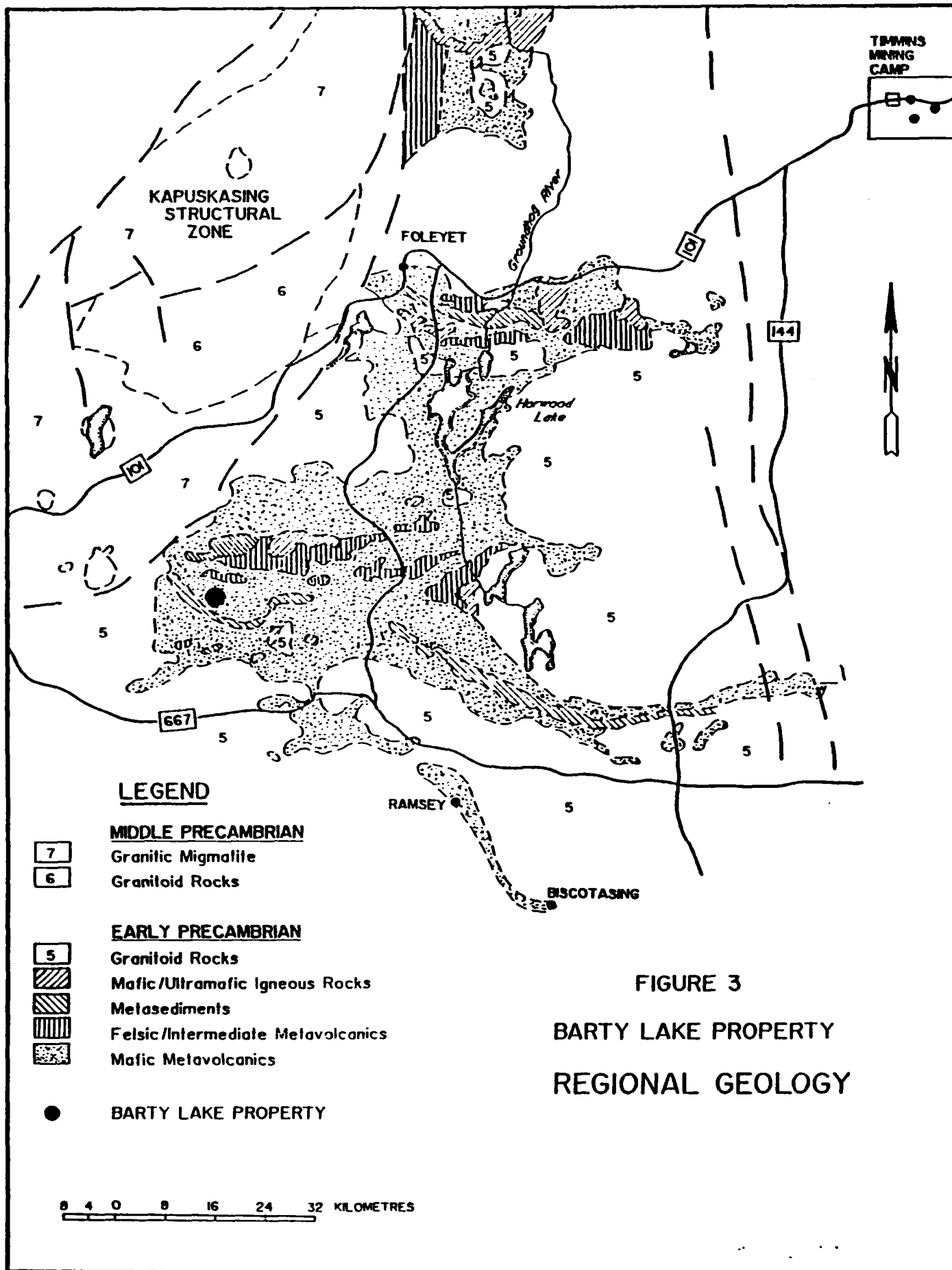
5. GEOLOGY

5.1 REGIONAL GEOLOGY

The general geology of the area is shown on the Chapleau-Foleyet compilation map (#2116) of the Ontario Geological Survey. In addition, the geology of the area is described by Donovan in his report on the Halcrow-Ridout Lakes area (1968).

The rocks of the area form the western part of the east-west trending Swayze greenstone belt approximately 50 km long and 30 km wide. The bedrock of the area is Precambrian in age and comprises an older assemblage of felsic to mafic volcanic rocks, sedimentary rocks and iron formation with younger granitic, dioritic and diabase intrusives. All are steeply dipping in fold structures whose axes trend east-west across the area (Figure 3).

Felsic volcanic rocks are abundant in Denyes township where a wide band crosses the area south of Denyes Lake and extends westward into Halcrow township. Numerous small intercalated felsic volcanic layers are found associated with intermediate to mafic volcanic rocks in Halcrow and Denyes township. The felsic volcanic rocks vary in texture from fine grained to porphyritic with



pyroclastic units also present.

page 8

Sedimentary rocks are present in both Denyes and Halcrow townships and delineate the north limb of a synclinal structure in Halcrow and Denyes townships. The north limb of the sedimentary rocks widens eastward near Denyes Lake. Smaller isolated bands of sedimentary rocks are found elsewhere in the area intercalated with the metavolcanics. Conglomerate and feldspathic quartzite are the main types of sedimentary rocks with smaller amounts of greywacke, arkose and pelitic sediments. These sediments are spatially and possibly genetically associated with the volcanic units.

Some iron formation is dispersed through the area generally in narrow, lean discontinuous horizons. The iron formation is associated with the volcanic and sedimentary units and varies from typical banded iron formation to rusty schistose material. Sedimentary rocks, notably conglomerate with a mafic or pelitic matrix are closely associated with the intermediate to mafic volcanics.

Granitic rocks ranging from fine to coarse grained and massive to gneissic occur in the area. The largest body is in the western part of Halcrow township where granite intrudes intermediate to mafic volcanic rocks resulting in a contact metamorphic zone. Other bodies representing small lenses, stocks, sills and dykes are present throughout the area.

Dioritic rocks are known from the area and may represent intrusive rocks or coarse grained volcanic flows.

The youngest intrusive rock is diabase. Two (2) sets of

dykes striking northeast and northwest are dominant. A few small north-south and east-west dykes are also present. The dykes range in thickness from 3 to 80 meters with most dipping vertically. The largest is approximately 6 km long.

Extensive areas are covered by glacial drift and sandy overburden of varying thickness. Pleistocene and recent deposits cover most of the area and are a deterrent to geological work and prospecting in the area.

TABLE OF FORMATION (after Donovan, 1968)

CENOZOIC

RECENT	Stream and swamp deposits.
PLEISTOCENE	Sand, gravel, till.

UNCONFORMITY

PRECAMBRIAN

INTRUSIVE ROCKS

Late Basic Intrusive Rocks:

Diabase

Intrusive Contact

Intermediate to ultramafic intrusive rocks.

Intrusive Contact

Granitic Rocks

Intrusive Contact

INTERMEDIATE TO MAFIC VOLCANIC ROCKS

SEDIMENTARY ROCKS

FELSIC VOLCANIC ROCKS

5.2 PROPERTY GEOLOGY

Donovan's (1968) work has indicated that the property is underlain dominantly by intermediate to mafic metavolcanic rocks which strike east-west to east-southeast and dip vertically. The airborne survey has indicated the presence of rocks of low magnetic susceptibility in the southern part of the property which Terraquest (1968) interpreted as metasediments. The property is located on the southern limb of the main synclinal fold structure through Halcrow and Denyes townships. North striking diabase dykes cross-cut the metavolcanics.

The property shows a well developed vertical foliation trending between 90 and 120 degrees with local variations due to cross structures. Based on the adjacent claims to the west, it is considered that there are two (2) broad zones of deformation and strong carbonate alteration trending east-southeast across the central and southern part of the property. Deformation is expressed by well-defined zones of shearing. Associated with the deformation zones are gold-bearing quartz veins generally trending at 150 degrees and accompanied by strong carbonate alteration. On the adjacent claims volcanic breccias were identified possibly associated with felsic metavolcanics. This environment is considered to be favourable for the localization of volcanogenic massive sulphide (VMS) deposits.

6. CURRENT EXPLORATION PROGRAMME

6.1 WORK DONE

A programme of re-picketting, line-cutting and detailed induced polarization programme on Barty Lake.

The work was carried out between Dec. 01 and Jan. 31 1993.

The work covered the following claims all or in part.

1087231, 1087232, 1087234, 1087235, 1087236, 1087240,
1087241.

All readings were taken by drilling holes through ice and lowering electrodes to bottom of lake.

Approximately of 10.1 km of pole-dipole and 11.5 km of line-cutting on Barty Lake.

7. CONCLUSIONS

- 1) The Barty Lake property is underlain by metavolcanic rocks with a range in composition from mafic to felsic. These units form the south limb of a major east west trending regional syncline.
- 2) There is a well developed regional foliation on the property trending 100 to 120 degrees and dipping vertically to the north.
- 3) In the north part of the claim block, there is extensive carbonate and fuschite alteration which is associated with well developed shearing parallel to the regional trend.
- 4) Two (2) large areas on the property have been identified to have a potential for the localization of gold

mineralization of economic significance. These are along the north part of the claim block along a trend at 100 degrees and is considered that they are situated on a major regional deformation zone with strong green carbonate and fuchsite alteration associated with quartz veining in zones of shearing. Area 2 is situated south and south-west of Barty Lake in an area south of two (2) EM conductors located in December of 1991 on cut grid lines with Au assayed as high as 522 ppb in the humus samples. In this area is where the I.P. survey was conducted and where the anomalies were found. Anomalies lie between 0+00 to line 14E extending off the edge of the surveyed grid to the South.

In summary it is considered that the property contains a very favourable geological environment for the localization of gold mineralization of economic importance. As well the property has the potential to host volcanogenic massive sulphide deposits. To further evaluate the potential of this property and due to a lack of geological information from the property, it is suggested that on-going work should consist of a programme of geological mapping, prospecting, line-cutting and geophysical surveys over the balance of the property not covered.

Daniel F. Patrie
Geological Technologist (Dipl. T)
June 30, 1993

INTERPRETATION

There are three chargeability anomalies located on the surveyed portion of the grid on both N=1 and N=2 levels, two extending off the edge of the surveyed grid to the south and the other extending off the edge of the surveyed grid to the north.

Anomaly 1 is centred on line 3+00 E at approximately 1+00 S. The anomaly is roughly semi-circular in shape and extends approximately 400 metres grid East-West and 150 metres grid North-South continuing off the edge of the grid to the south. The chargeability values for the anomaly are approximately 12 to 14 mV/V above background and are consistent with metallic mineralization. The bulk resistivity values also correspond to a mineralized target (2000 ohms-m).

Anomaly 2 is centred on line 5+00 E at approximately 4+00 N. The anomaly is small in extent and roughly circular in shape. It extends 100 metres grid E-W and 100 metres grid N-S on both the N=1 and N=2 chargeability plots. Chargeability values range are 10 to 15 mV/V above background and are consistent with metallic mineralization. Resistivity values range between 3000 and 5000 ohms-m.

Anomaly 3 is centred on line 9+00 E at 5+00 N. It is 200 metres wide grid E-W at its grid north end, widening to 650 metres wide grid E-W at its grid south end and 300 metres wide grid N-S extending off the southern edge of the surveyed grid on the N=2 plot. Anomalies 1 to 3 may be larger target at depth. There is very little expression of anomaly 3 on N=1 chargeability plot

(8mV/V contour outlines the anomalous area on the N=2 plot).

Chargeability values range from a low of 16 mV/V to a high of 46 mV/V and a resistivity of 10,000 ohms-m, indicating relatively high percentage metallic mineralization.

Two other small anomalies appear on the N=1 chargeability plot. Since there is no corresponding anomaly on plot N=2, I would suggest that they are not targets for further investigation.

Background values between 2 and 5 mV/V are caused by electrolytic polarization as opposed to the combination of electrolytic and electrode polarization in the case of metallic mineralization. Both resistivity plots show bulk resistivities corresponding to bedrock values.

Interpretation completed by T. Insinna (see Certificate of Qualifications Attached) on August 10, 1994, for D. Patrie.

Anomalies 1,2,3 appear to be bedrock targets of disseminated metallic mineralization. The expression of anomaly 1 and 3 on the N=2 chargeability plot suggests tha the two anomalies may in fact be due to one mineralized target at depth. The targets outlined here definitely warrant further work. A detail I.P. survey, dipole-dipole N=1 to 5 should be completed on centres in the following table.

<u>SETUP</u>	<u>LINE</u>	<u>CENTRE LOCATION</u>	<u>STATION</u>
1	Line 2+00 E		1+00 S
2	Line 3+00 E		1+00 S
3	Line 4+00 E		2+00 S
4	Line 6+00 E		2+00 S
5	Line 9+00 E		0+50 S
6	Line 11+00 E		2+00 S
7	Line 12+00 E		2+00 S
8	Line 5+00 E		4+00 S

9. RECOMMENDED EXPLORATION PROGRAMME

The following programme is recommended to evaluate the 104 claim block in and around Barty Lake property.

1. Complete the line cutting as required to provide a control for geological, geochemical and geophysical work.
2. Completion of ground magnetometer and VLF work.
3. Cutting of a detailed grid over anomalous areas.
4. Geochemical soil sampling of appropriate areas.
5. Detailed IP over anomalous areas.
6. Complete the prospecting of the 104 claims.
7. Stripping, trenching, mapping and sampling targets with potential interest.

Daniel Patrie
Geophysics Technologist (Dipl.T)
August 10, 1994

REFERENCES

1. **Donovan, .F., 1968**
Geology of Halcrow-Ridout Lakes Area, Ontario,
Deparment of Mines, Geological Paper 63, p.45.

3. **Gordon, J.B., et al, 1979**
Gold Deposits of Ontario, Part 2, Ontario Geological
Survey, Mineral Deposits Circular 18, p. 60 & 63-64.

4. **Ireland, J.C. 1988**
Mineral Deposit Inventory Record, Patrie Claim Group,
Timmins Office, Ontario Geological Survey.

5. **Ontario Geological Survey Assessment Files, Toronto.**

6. **Norwin Geological Ltd. December 30, 1991**
Report On The Exploration Program, Barty Lake Property
Denyes Township, Ontario, Porcupine Mining Division Ontario
For Elliott Strashin & Associates. 16 P., 6 maps.

7. **Terraquest Ltd., 1989**
Airborne Magnetic & VLF-EM Survey, Denyes, Halcrow and
Greenlaw Townships, Porcupine Mining Division, Ontario
for Patrie Exploration Services. 7 p., 3 maps.

APPENDIX 1

PERSONNEL

PERSONNEL

1. Dan Patrie
P.O. Box 45
Massey, Ontario
POP 1PO

2. Bryan Patrie
General Delivery
Walford, Ontario
POP 2EO

3. Brent Patrie
P.O. Box 45
Massey, Ontario
POP 1PO

4. Maurice Mailloux
General Delivery
Walford, Ontario
POP 2EO

5. Scott Whalen
General Delivery
Walford, Ontario
POP 2EO

6. Craig Gamble
General Delivery
Massey, Ontario
POP 1PO

APPENDIX 2

I.P. DATA

BARTY LAKE I.P. WINTER 93/94

N=1

LINE	STATION	RESISTIVITY	CHARGEABILIT
0.0	37.5	538.0	1.0
0.0	87.5	463.0	1.0
0.0	137.5	480.0	1.0
0.0	187.5	597.0	1.0
0.0	237.5	731.0	1.0
0.0	287.5	1052.0	1.0
0.0	337.5	1648.0	1.0
0.0	387.5	400.0	1.0
0.0	-37.5	531.0	1.0
0.0	-87.5	524.0	1.0
0.0	-137.5	24.0	4.0
100.0	37.5	214.0	1.0
100.0	87.5	288.0	1.0
100.0	137.5	290.0	1.0
100.0	187.5	314.0	4.0
100.0	237.5	403.0	1.0
100.0	287.5	373.0	1.0
100.0	337.5	288.0	1.0
100.0	387.5	300.0	1.0
100.0	437.5	293.0	3.0
100.0	487.5	291.0	2.0
100.0	-12.5	314.0	1.0
100.0	-62.5	305.0	4.0
100.0	-112.5	314.0	5.0
100.0	-162.5	262.0	6.0
200.0	37.5	166.0	2.0
200.0	87.5	183.0	2.0
200.0	137.5	183.0	3.0
200.0	187.5	166.0	1.0
200.0	237.5	211.0	1.0
200.0	287.5	286.0	2.0
200.0	337.5	371.0	1.0
200.0	387.5	286.0	1.0
200.0	412.5	326.0	2.0
200.0	487.5	337.0	1.0
200.0	-12.5	211.0	1.0
200.0	-62.5	251.0	2.0
200.0	-112.5	183.0	15.0
200.0	-162.5	188.0	18.0

300.0	-112.5	276.0	16.0
300.0	-62.5	119.0	12.0
300.0	-12.5	151.0	4.0
300.0	37.5	171.0	2.0
300.0	87.5	183.0	2.0
300.0	137.5	160.0	1.0
300.0	187.5	126.0	1.0
300.0	212.5	137.0	2.0
300.0	287.5	240.0	1.0
300.0	337.5	251.0	1.0
300.0	387.5	291.0	2.0
300.0	437.5	406.0	1.0
300.0	487.5	303.0	2.0

400.0	-112.5	268.0	12.0
400.0	-62.5	176.0	10.0
400.0	-12.5	295.0	1.0
400.0	37.5	490.0	2.0
400.0	87.5	411.0	1.0
400.0	137.5	348.0	1.0
400.0	187.5	200.0	1.0
400.0	237.5	108.0	5.0
400.0	287.5	177.0	1.0
400.0	337.5	308.0	1.0
400.0	387.5	446.0	1.0
400.0	437.5	451.0	1.0
400.0	487.5	459.0	5.0

500.0	-112.5	931.0	6.0
500.0	-62.5	211.0	6.0

500.0	-12.5	232.0	1.0
500.0	37.5	272.0	5.0
500.0	87.5	163.0	6.0
500.0	137.5	704.0	74.0
500.0	187.5	131.0	6.0
500.0	237.5	157.0	6.0
500.0	287.5	264.0	7.0
500.0	337.5	295.0	109.0
500.0	387.5	875.0	14.0
500.0	437.5	516.0	6.0

600.0	-62.5	181.0	6.0
600.0	-12.5	748.0	9.0
600.0	37.5	1376.0	3.0
600.0	87.5	154.0	2.0
600.0	137.5	131.0	1.0
600.0	187.5	25.0	1.0
600.0	237.5	163.0	1.0
600.0	287.5	239.0	1.0
600.0	337.5	166.0	1.0
600.0	387.5	157.0	1.0

700.0	-12.5	121.0	6.0
700.0	37.5	333.0	6.0
700.0	87.5	166.0	3.0
700.0	137.5	436.0	8.0
700.0	187.5	279.0	1.0
700.0	237.5	303.0	1.0
700.0	287.5	220.0	1.0

800.0	-12.5	204.0	8.0
800.0	37.5	206.0	8.0
800.0	87.5	147.0	10.0
800.0	137.5	133.0	2.0
800.0	237.5	157.0	1.0
800.0	287.5	339.0	1.0
800.0	337.5	268.0	1.0
800.0	387.5	354.0	1.0
800.0	437.5	276.0	1.0
800.0	487.5	239.0	2.0

900.0	37.5	2199.0	9.0
900.0	87.5	691.0	5.0
900.0	137.5	110.0	9.0
900.0	187.5	306.0	4.0
900.0	237.5	660.0	7.0
900.0	287.5	686.0	15.0
900.0	337.5	647.0	6.0
900.0	387.5		1.0

1000.0	37.5	377.0	7.0
1000.0	87.5	224.0	5.0
1000.0	137.5	188.0	4.0
1000.0	187.5	236.0	6.0
1000.0	237.5	205.0	5.0
1100.0	37.5	404.0	5.0
1100.0	87.5	251.0	3.0
1100.0	137.5	246.0	3.0
1100.0	187.5	318.0	4.0
1100.0	237.5	312.0	3.0
1200.0	-12.5	1022.0	5.0
1200.0	37.5	1149.0	4.0
1200.0	87.5	645.0	4.0
1200.0	137.5	293.0	2.0
1200.0	187.5	295.0	2.0
1200.0	237.5	403.0	1.0
1200.0	287.5	270.0	3.0
1200.0	337.5	402.0	2.0
1300.0	-12.5	474.0	4.0
1300.0	37.5	503.0	2.0
1300.0	87.5	383.0	2.0
1300.0	137.5	136.0	1.0
1300.0	187.5	127.0	3.0
1300.0	237.5	119.0	2.0
1300.0	287.5	126.0	3.0
1400.0	-62.5	486.0	13.0
1400.0	-12.5	509.0	7.0
1400.0	37.5	634.0	7.0
1400.0	137.5	206.0	3.0
1400.0	187.5	99.0	4.0
1400.0	237.5	58.0	4.0
1400.0	287.5	63.0	5.0

LI	STA	RESISTIVITY	CHARGEABILIT
0.0	62.5	714.0	1.0
0.0	112.5	805.0	3.0
0.0	162.5	1028.0	2.0
0.0	212.5	660.0	2.0
0.0	262.5	1165.0	1.0
0.0	312.5	2309.0	2.0
0.0	362.5	1634.0	3.0
0.0	412.5	566.0	2.0
0.0	-62.5	685.0	5.0
0.0	-112.5	251.0	7.0
0.0	-162.5	80.0	9.0
100.0	62.5	452.0	3.0
100.0	112.5	487.0	2.0
100.0	162.5	464.0	1.0
100.0	212.5	600.0	2.0
100.0	262.5	518.0	1.0
100.0	312.5	754.0	2.0
100.0	362.5	228.0	2.0
100.0	412.5	404.0	1.0
100.0	462.5	379.0	3.0
100.0	-37.5	512.0	1.0
100.0	-87.5	485.0	6.0
100.0	-137.5	377.0	8.0
100.0	-187.5		6.0
200.0	62.5	274.0	3.0
200.0	112.5	274.0	2.0
200.0	162.5	291.0	2.0
200.0	212.5	360.0	6.0
200.0	262.5	463.0	2.0
200.0	312.5	514.0	3.0
200.0	362.5	360.0	2.0
200.0	412.5	480.0	2.0
200.0	462.5	377.0	3.0
200.0	-37.5	480.0	1.0
200.0	-87.5	325.0	9.0
200.0	-137.5	308.0	9.0

300.0	-87.5	207.0	15.0
300.0	-37.5	151.0	10.0
300.0	12.5	264.0	4.0
300.0	62.5	343.0	3.0
300.0	112.5	291.0	2.0
300.0	162.5	222.0	1.0
300.0	212.5	257.0	1.0
300.0	262.5	463.0	1.0
300.0	312.5	411.0	1.0
300.0	362.5	343.0	1.0
300.0	412.5	634.0	3.0
300.0	462.5	857.0	2.0
400.0	-87.5	154.0	11.0
400.0	-37.5	245.0	9.0
400.0	12.5	509.0	4.0
400.0	62.5	339.0	3.0
400.0	112.5	291.0	2.0
400.0	162.5	308.0	1.0
400.0	212.5	171.0	2.0
400.0	262.5	326.0	1.0
400.0	312.5	548.0	1.0
400.0	362.5	497.0	1.0
400.0	412.5	583.0	1.0
400.0	462.5	737.0	2.0
500.0	-87.5	463.0	11.0
500.0	-37.5	360.0	7.0
500.0	12.5	320.0	3.0
500.0	62.5	251.0	6.0
500.0	112.5	264.0	7.0
500.0	162.5	245.0	8.0
500.0	212.5	283.0	6.0
500.0	262.5	434.0	5.0
500.0	312.5	547.0	5.0
500.0	362.5	769.0	10.0
500.0	412.5	646.0	13.0

600.0	-37.5	188.0	8.0
600.0	12.5	302.0	11.0
600.0	62.5	131.0	11.0
600.0	112.5	240.0	4.0
600.0	162.5	223.0	3.0
600.0	212.5	283.0	2.0
600.0	262.5	377.0	1.0
600.0	312.5	206.0	1.0
600.0	362.5	291.0	1.0
700.0	12.5	296.0	13.0
700.0	62.5	274.0	10.0
700.0	112.5	377.0	4.0
700.0	162.5	244.0	2.0
700.0	212.5	293.0	2.0
700.0	262.5	257.0	1.0
700.0	312.5	471.0	1.0
800.0	12.5	188.0	11.0
800.0	62.5	190.0	11.0
800.0	112.5	251.0	9.0
800.0	162.5	240.0	5.0
800.0	212.5	462.0	3.0
800.0	262.5	471.0	2.0
800.0	312.5	531.0	1.0
800.0	362.5	497.0	2.0
800.0	412.5	867.0	2.0
900.0	62.5	349.0	59.0
900.0	112.5	200.0	30.0
900.0	162.5	346.0	6.0
900.0	212.5	801.0	1.0
900.0	262.5	264.0	3.0
900.0	312.5	522.0	2.0
900.0	362.5	1527.0	1.0

1000.0	62.5	509.0	9.0
1000.0	112.5	606.0	8.0
1000.0	162.5	512.0	9.0
1000.0	212.5	628.0	9.0
1000.0	312.5	642.0	9.0
1100.0	62.5	512.0	7.0
1100.0	112.5	628.0	5.0
1100.0	162.5	685.0	4.0
1100.0	212.5	672.0	8.0
1100.0	262.5	691.0	9.0
1200.0	12.5	1370.0	6.0
1200.0	62.5	1208.0	6.0
1200.0	112.5	585.0	4.0
1200.0	162.5	664.0	2.0
1200.0	212.5	829.0	5.0
1200.0	262.5	417.0	7.0
1200.0	312.5	349.0	8.0
1300.0	12.5	771.0	6.0
1300.0	62.5	792.0	4.0
1300.0	112.5	302.0	5.0
1300.0	162.5	251.0	4.0
1300.0	212.5	226.0	3.0
1300.0	262.5	188.0	5.0
1400.0	-37.5	1028.0	13.0
1400.0	12.5	1169.0	14.0
1400.0	112.5	308.0	10.0
1400.0	162.5	206.0	7.0
1400.0	212.5	126.0	7.0
1400.0	262.5	110.0	4.0

Certificate of Qualification

I, Anthony Insinna do hereby certify:

- 1. that I am a geophysicist and reside at 23-1060 Martindale Road, Sudbury, Ontario, P3E 5T2,**
- 2. that I am an associate member of the Society of Exploration Geophysicists,**
- 3. that I graduated from the University of Waterloo in 1984, obtaining a Bachelor of Science degree in Honours Co-op Earth Science,**
- 4. that I have practised my profession continuously since 1984,**
- 5. that my interpretation of the geophysical surveys completed on the Barty Lake grid, is based on my personal knowledge of the surveys completed and the techniques used to present them,**
- 6. that I have no personal, direct or indirect interest in the properties surveyed or any adjacent properties, and I have written this interpretation as a totally independent consultant.**

A. Insinna, B.Sc.

August 10, 1994

CERTIFICATE OF QUALIFICATION

I, Daniel Patrie do hereby certify:

1. that I am a geophysics technologist and reside at Hwy. 17 West, Massey, Ontario, Canada, P.O. Box 45, POP 1PO,
2. that I graduated from Cambrian College of Applied Arts and Technology in 1987 with a Diploma in Geological Technology with a one-year certificate in geophysics,
3. that I have practised my profession continuously since that time and prior to that since 1972, I have been an active prospector,
4. that this report is based on a personal review of provincial, federal and some assessment reports as well as interpretation of field observations undertaken on the Barty Lake Property, Denyes Townships, Porcupine Mining Division, Ontario and was present on the property throughout the whole work programme,

Daniel Patrie
Geophysics Technologist (Dipl. T)
August 10, 1994

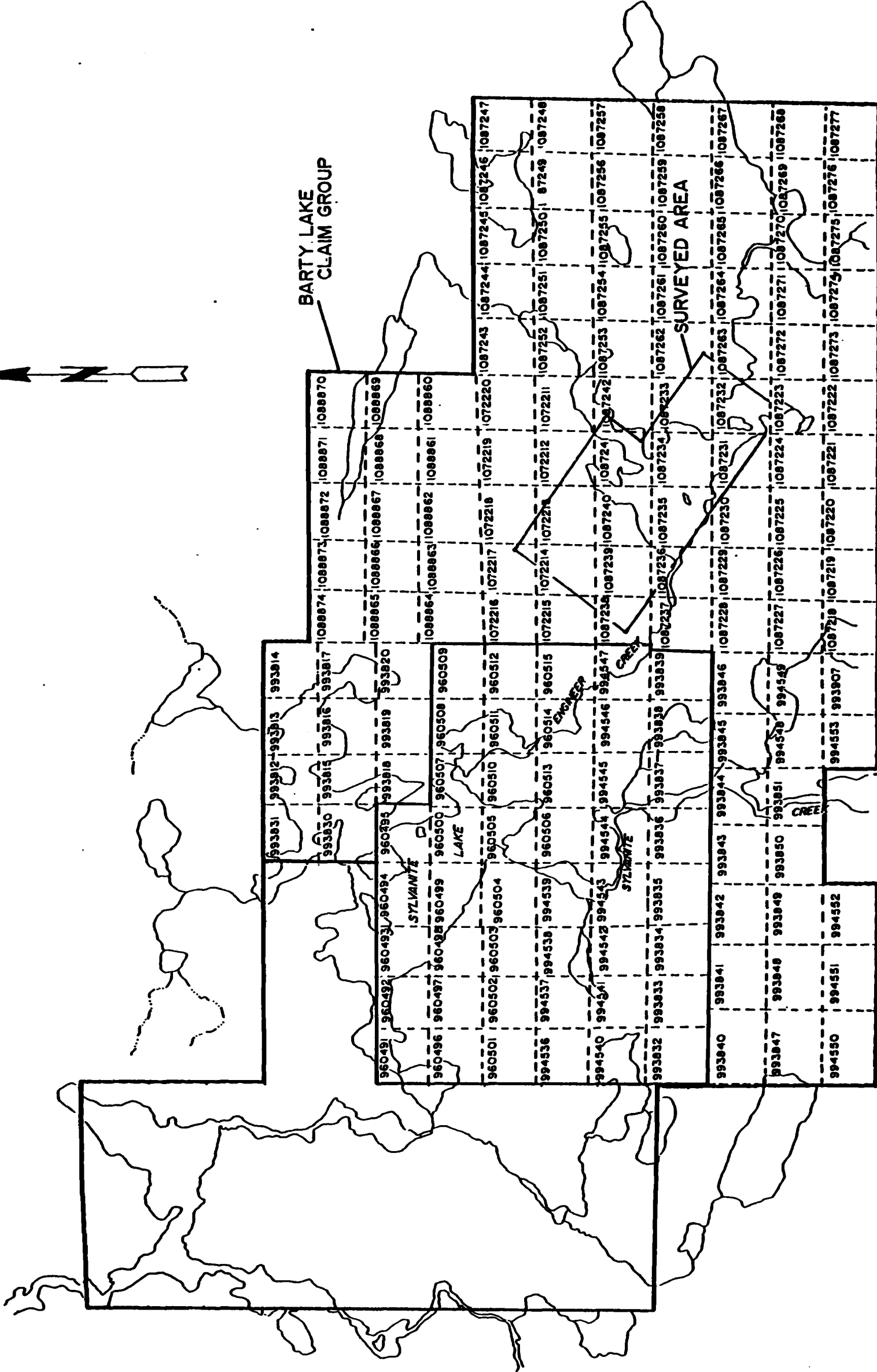
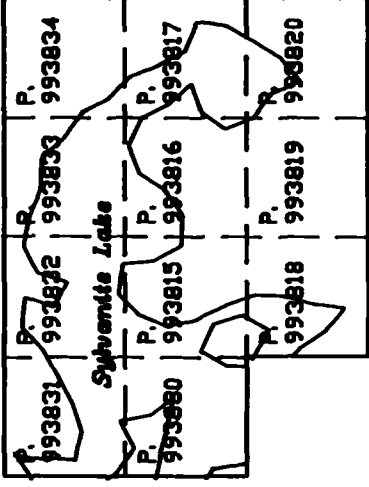
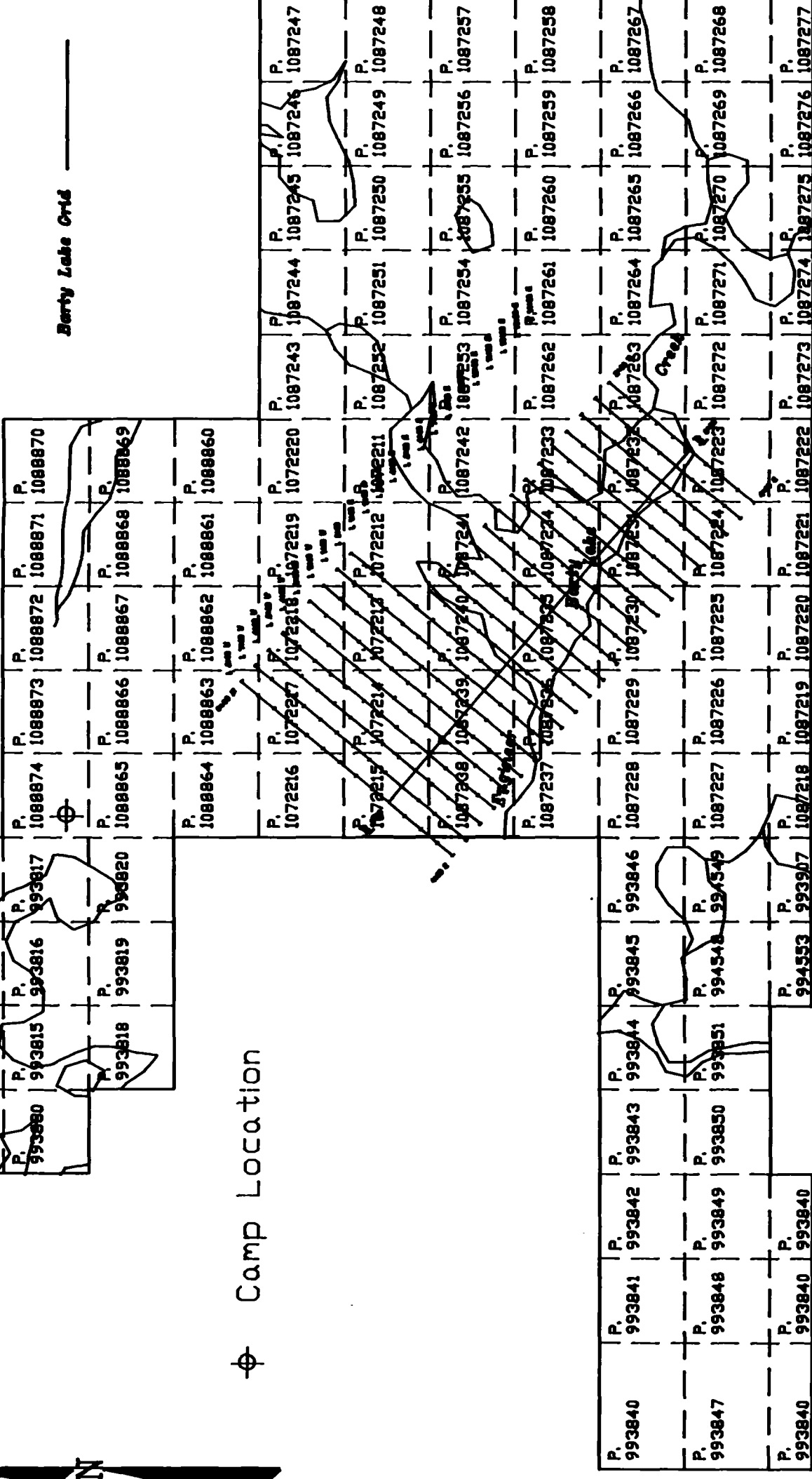


FIGURE 2
BARTY LAKE PROPERTY
CLAIM MAP

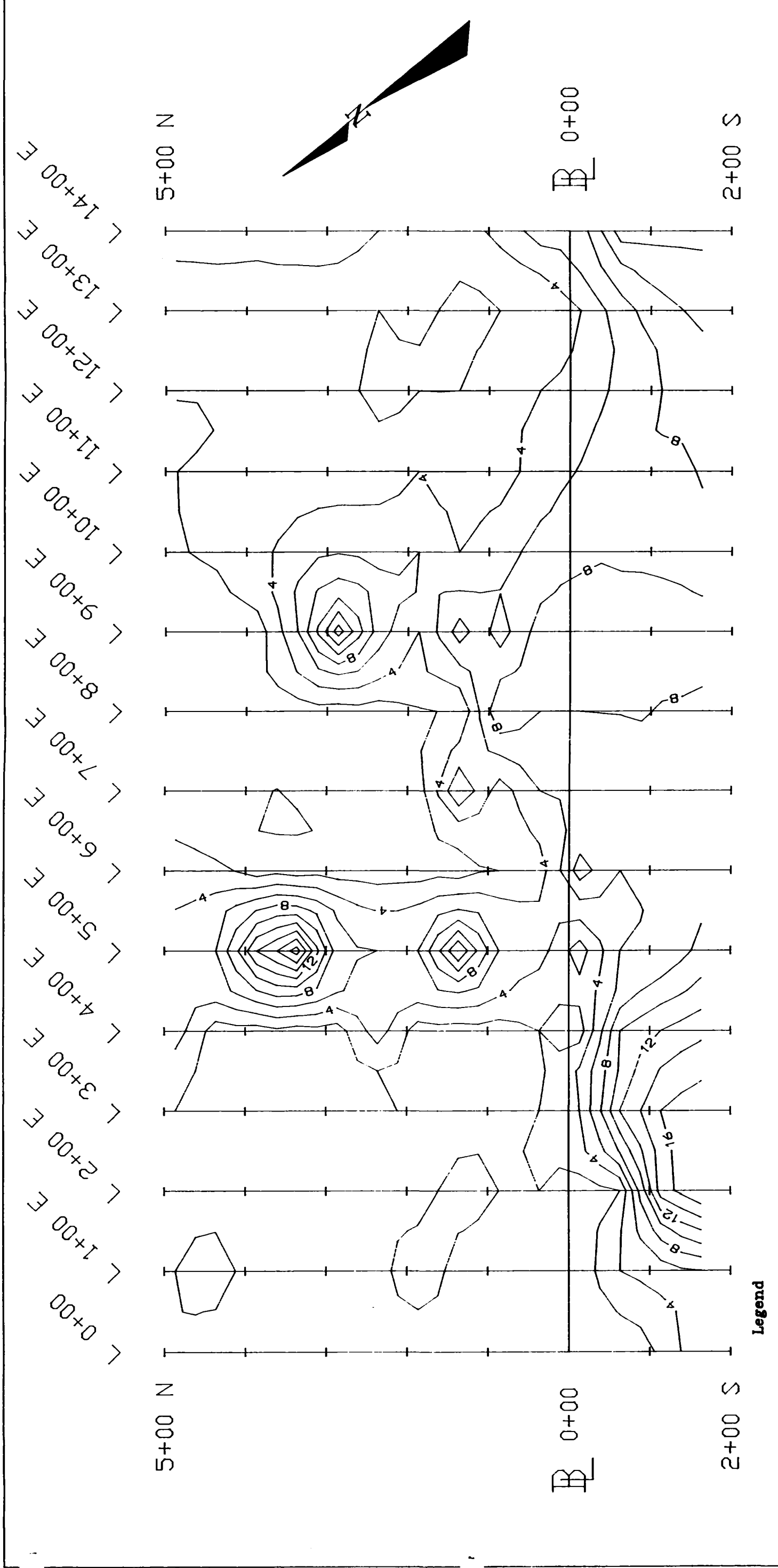


⊕ Camp Location

Barty Lake Grid

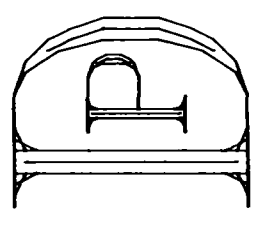


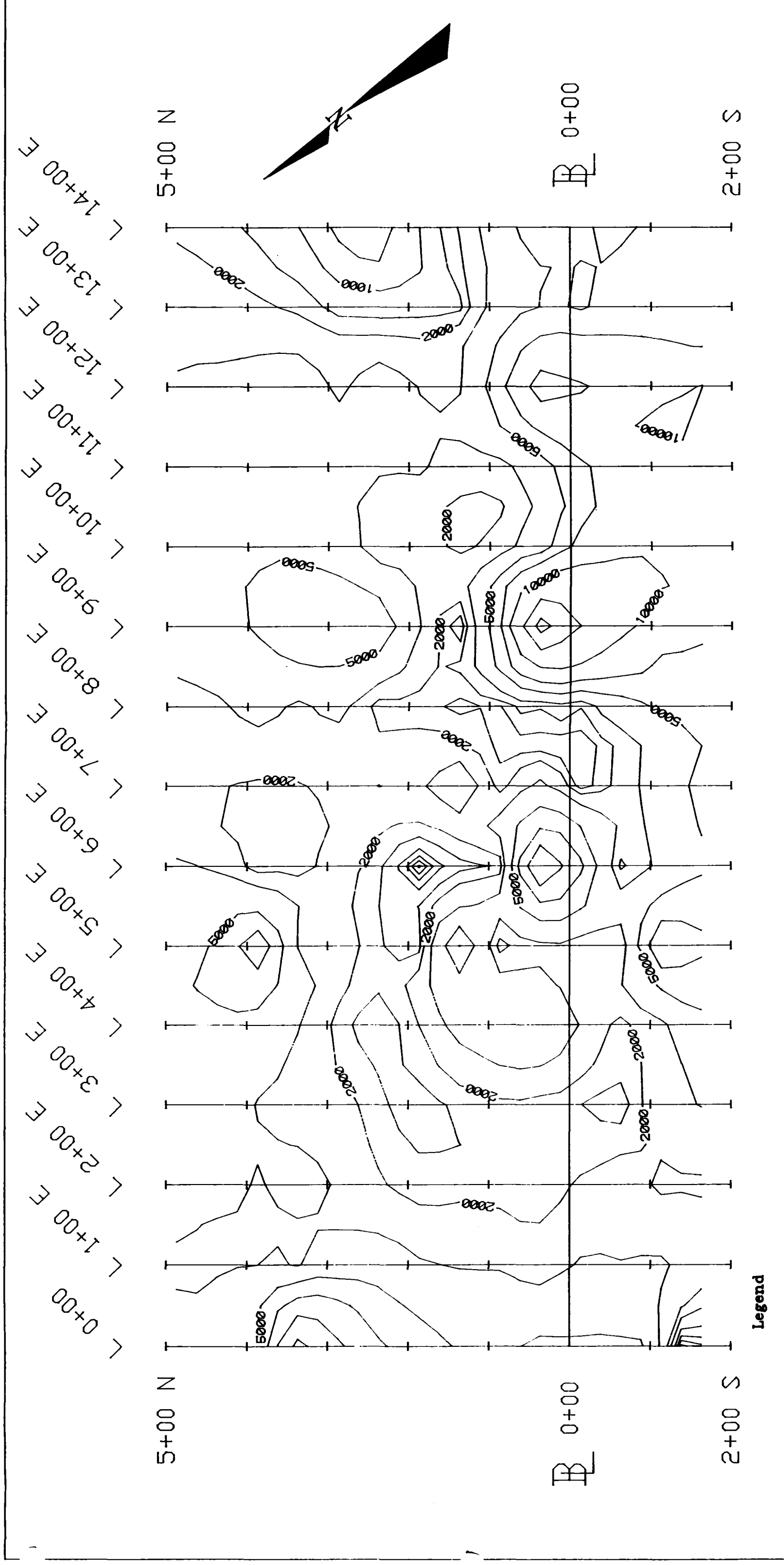
DP	
Dan Patrie Exploration Limited	
Denyes Township Claims Barty Lake Grid Base Map	
Denyes Township Claims - Female Gold Section	Scale
Drawn by S. L. Linton	Proj. No.
Date March 25, 1954	1:25,000
1	1

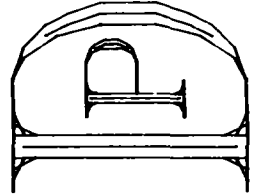


Legend

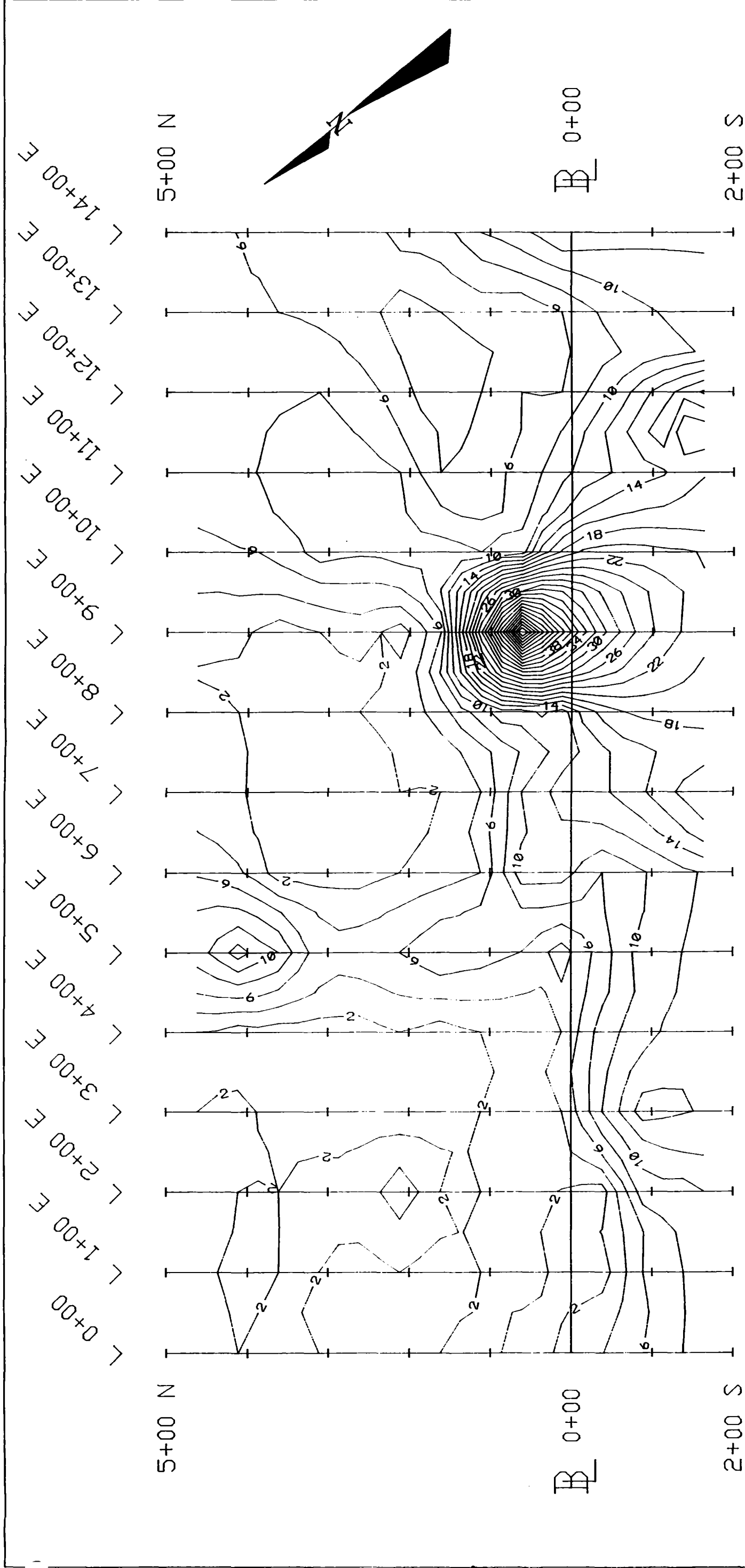
- I.P. Array : Poles - Dipole
- A - Spacing : 50 Metres
- Contour Interval : 2 mV/V
- Line Spacing : 100 Metres
- Station Spacing : 25 Metres
- Transmitter : Phoenix IPF-1 Tx.
- Receiver : MG-2 Motor Generator
- Personnel : B. Patrie, B. Patrie
- Survey Dates : B. Patrie, S. Whalen
- February, 1994

		Dan Patrie Exploration Limited Barty Lake Grid Chargeability Plot N=1	
Project: Denyes Township			
Drawn by: T. Insinna		Scale 1:5000	
Date: March 15, 1994		Dwg. No. 2	



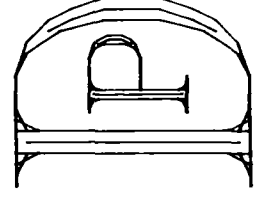
Dan Patrie Exploration Limited 	
Barty Lake Grid Resistivity Plot N=1	
Project: Denyes Township	
Drawn by: T. Instina	Scale
Date: March 15, 1994	Dwg. No.
	1:5000
	3

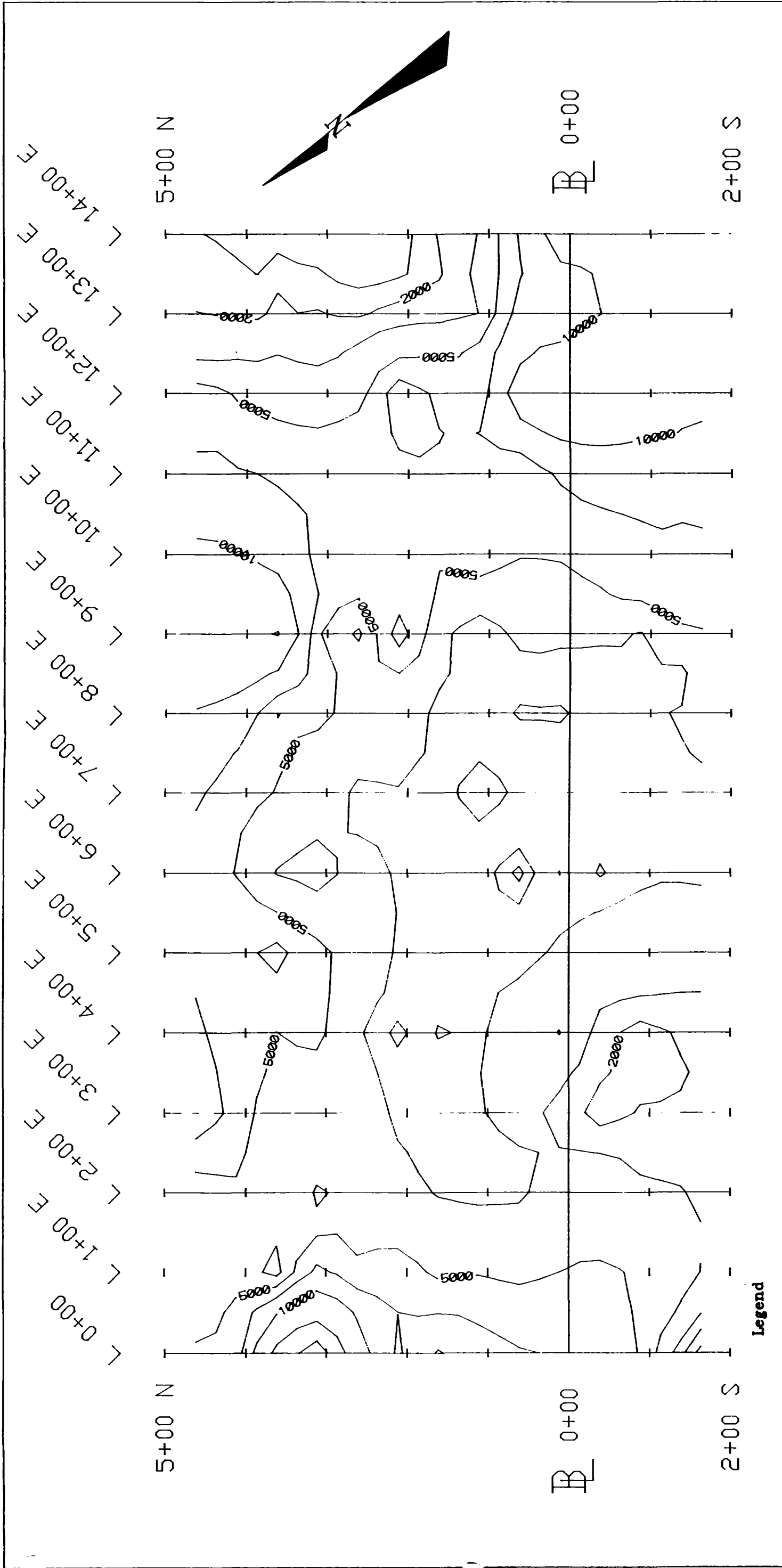
- Legend**
- I.P. Array : Pole - Dipole
 - A - Spacing : 50 Metres
 - Contour Interval : Logarithmic ohm-m
 - Line Spacing : 100 Metres
 - Station Spacing : 25 Metres
 - Transmitter : Phoenix IPT-1 Tx.
MG-2 Motor Generator
 - Receiver : BRGM IP-2 Rx.
 - Personnel : D. Patrie, B. Patrie
B. Patrie, S. Whalen
 - Survey Dates : February, 1994



Legend

- L.P. Array : Pole - Dipole
- A - Spacing : 50 Metres
- Contour Interval : 2 mV/V
- Line Spacing : 100 Metres
- Station Spacing : 25 Metres
- Transmitter : Phoenix IPT-1 Tx.
- Receiver : MG-2 Motor Generator
- Personnel : D. Patrie, B. Patrie
- Survey Dates : B. Patrie, S. Whalen
- Survey Dates : February, 1994

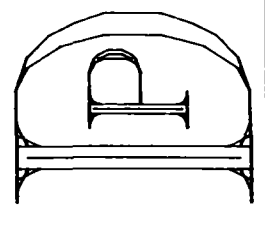
Dan Patrie Exploration Limited 	
Barty Lake Grid Chargeability Plot N=2	
Project: Denyes Township	
Drawn by: T. Insinna	Scale
Date: March 15, 1994	1:5000
	Dwg. No.
	4



- Legend**
- I.P. Array : Pole - Dipole
 - A - Spacing : 50 Metres
 - Contour Interval : Logarithmic ohm-m
 - Line Spacing : 100 Metres
 - Station Spacing : 25 Metres
 - Transmitter : Phoenix IPT-1 Tx.
 - Receiver : MG-2 Motor Generator
 - Personnel : BRGM IP-2 Rx.
 - Survey Dates : D. Patrie, B. Patrie
 - : S. Patrie, S. Whalen
 - : February, 1994

Dan Patrie Exploration Limited

Barty Lake Grid
Resistivity Plot N=2



Project: Denyes Township

Drawn by: T. Insinna

Date: March 15, 1994

Scale

1:5000

Dwg. No.

5

Report of Work Conducted After Recording Claim

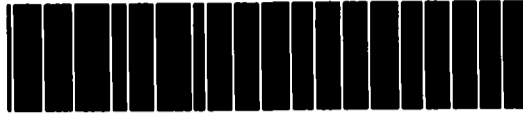
Mining Act

Transaction Number
645
W9460.00171

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7264.

2.155 82

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for Recorder.
 - A separate copy of this form must be complete.
 - Technical reports and maps must accompany.
 - A sketch, showing the claims the work is assessed on.



41015SW0017 2.15582 DENYES

900

Recorded Holder(s) Jean P. Patrie & Dan Patrie		Client No. 180012, 17,9999
Address Box 45, Massey, Ontario P0P1P0		Telephone No. (705) 844-2113
Mining Division Porcupine	Township/Area Denyes	M or G Plan No.
Date Work Performed	From: December 1/93	To: January 30/94

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	Geophysics (Induced Polarization)
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	SECTION 18 ONLY.
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECORDED
AUG 16 1994
Receipt _____

Total Assessment Work Claimed on the Attached Statement of Costs \$ **44,237.00**

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
Dan Patrie	P.O. Box 45, Massey, Ontario P0P1P0
See Appendix 1 of Report	for list of Personnel

RECEIVED
SEP 21 1994
MINING LANDS BRANCH

(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 August 10/94	Recorded Holder or Agent (Signature) <i>Dan Patrie</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 Dan Patrie P.O. Box 45, MASSEY, Ont P0P1P0		
Telephone No. (705) 844-2113	Date August 10/94	Certified By (Signature) <i>Dan Patrie</i>

For Office Use Only

Total Value Cr. Recorded \$ 44,237.00	Date Recorded Aug. 16/94	Mining Recorder	Received Stamp AUG 16 1994
	Deemed Approval Date Nov. 14th 1994	Date Approved	
	Date Notice for Amendments Sent		

Mining Act/Loi sur les mines

2,155 82

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		
	Field Supervision Supervision sur le terrain	3,500	3,500
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Geophysics	18,180	
	Report & Plotting	4,500	
	Grid Lake	4,025	26,705
Supplies Used Fournitures utilisées	Type Propane, Flagging etc.	289	
	Gas-ATV'S, Generator	400	
	Ice Auger	380	
	Tarps, Tapes etc.	350	1,419
Equipment Rental Location de matériel	Type ATV'S (Grid L.)	2,240	
	2 snowmobiles for I.P.	3,000	
Total Direct Costs Total des coûts directs			5,240
Total Direct Costs Total des coûts directs			36,864

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Vehicles (Trucks)	1,200	
	Down machines	4,000	
Sub Total of Indirect Costs Total partiel des coûts indirects			6,200
Lodging Nourriture et hébergement	Groceries	1,600	1,600
Mobilization and Demobilization Mobilisation et démoblisation	6 Men	2,400	2,400
Sub Total of Indirect Costs Total partiel des coûts indirects			10,200
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			7,372
Total Value of Assessment Credit (Total of Direct and Indirect Costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			44,237

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
	x 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	Evaluation totale demandée
	x 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 Recorded Holder 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: [Signature] Date: August 10/94

VALUE OF ASSESSMENT WORK PERFORMED ON MINING CLAIMS

FILE NUMBER 2.15582

TRANSACTION NO. W9460.00171

CLIENT NUMBERS: 180012 AND 179999

CLAIM HOLDERS: JEAN P. PATRIE AND DAN PATRIE

TOWNSHIP: DENYES TWP.

CLAIM NUMBERS	VALUE OF ASSESSMENT WORK DONE ON THIS CLAIM
----------------------	--

993840	
993841	
993842	
993843	
993844	
993845	
993846	
993847	
993848	
993849	
993850	
993851	
993907	
994548	
994549	
994550	
994551	
994552	
994553	
1072211	
1072212	
1072213	
1072214	
1072215	
1072216	
1072217	
1072218	
1072219	
1072220	
1087218	
1087219	
1087220	
1087221	
1087222	

1087223	
1087224	
1087225	
1087226	
1087227	
1087228	
1087229	
1087230	
1087231	\$2610.00
1087232	\$5872.00
1087233	
1087234	\$5872.00
1087235	\$5873.00
1087236	\$1460.00
1087237	
1087238	
1087239	
1087240	\$3589.00
1087241	\$3589.00
1087242	
1087243	
1087244	
1087245	
1087246	
1087247	
1087248	
1087249	
1087250	
1087251	
1087252	
1087253	
1087254	
1087255	
1087256	
1087257	
1087258	
1087259	
1087260	
1087261	
1087262	
1087263	
1087264	
1087265	
1087266	
1087267	
1087268	
1087269	
1087270	
1087271	
1087272	
1087273	
1087274	
1087275	
1087276	

1087277
1088860
1088861
1088862
1088863
1088864
1088865
1088866
1088867
1088868
1088869
1088870
1088871
1088872
1088873
1088874

TOTAL

\$28,865.00



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

December 19, 1994

Our File: 2.15582
Transaction #: W9460.00171

Mining Recorder
Ministry of Northern
Development and Mines
60 Wilson Avenue
1st Floor
Timmins, Ontario

Dear Mr. White

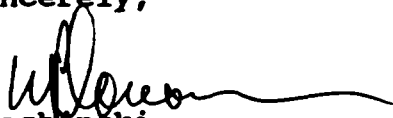
**RE: Approval of Notice of Reduction issued for assessment work
reported on mining claims P993840 in Denyes Township.**

The assessment work credits as outlined in the Notice of Reduction dated October 19, 1994 have been approved as of December 5, 1994. Please redistribute the allowable assessment credits as requested by the recorded holder.

If you require additional assistance in this matter please contact Dale Messenger at 670-5858.

ORIGINAL SIGNED BY:

Yours sincerely,

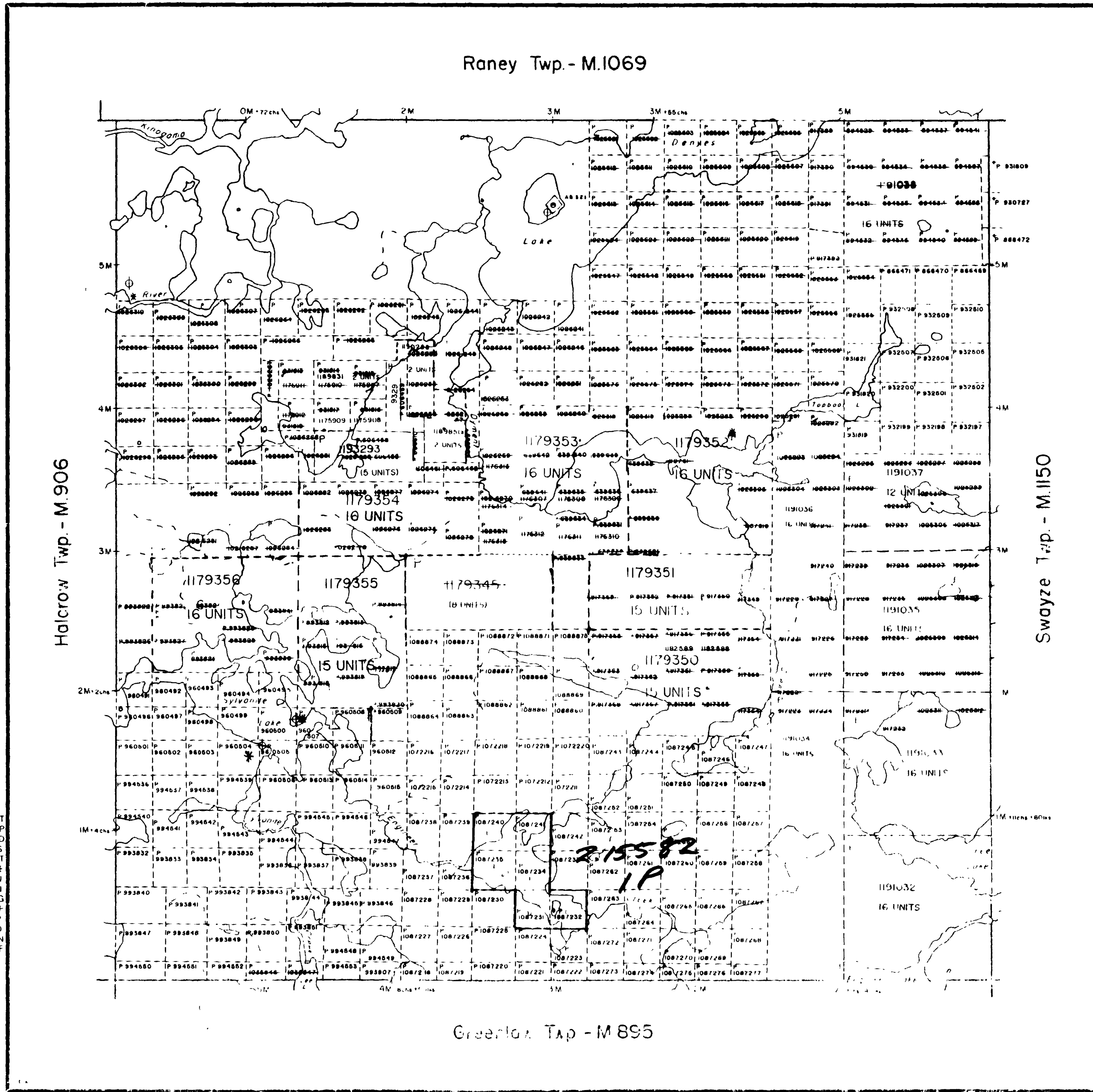

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

DEM/dl

cc: Assessment Files Office ✓
Sudbury, Ontario

Resident Geologist
Timmins, Ontario

Raney Twp. - M.1069



THE TOWNSHIP OF DENYES

DENYES

DISTRICT OF SUDBURY

RECEIVED
SEP 21 1994

MINING LANDS BRANCH

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKOG
- MINES
- CANCELLED
- PATENTED FOR S R O

2-155 82

NOTES

100% surface rights reserved on the units of all lakes and rivers

- * LUP
- Φ REMOTE TOURIST CAMPS

SERVICE NO. 31/89 CHECKED BY: K. HAINLEY

PLAN NO. G-1107

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

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

Greenlaw Twp - M.895



410155W0017 2 15582 DENYES

