Geophysical Surveys

Ware Township Project

NTS 52-A-6

Phantom Exploration Services Ltd.

December, 1990

R.D.Middaugh

INTRODUCTION

Mr. Ken Simard of Thunder Bay, Ontario contracted Phantom Exploration Services Ltd. also of Thunder Bay to established a grid and conduct magnetic and electromagnetic (VLF) surveys on his Ware township project in the late fall of 1990. This program was funded under an OPAP grant awarded to Mr. Simard.

The property is located about a mile east of a known gold occurrence presently held by Inco. In the 48th annual report of the O.D.M. published in 1939, R.J. MacDonald mentions a quartz vein up to 4 feet wide that assayed 0.12 oz gold, 5.5 oz silver and contained copper, lead and zinc. Although the exact location of the vein is not documented, it is located on mining location 211T. This information was brought to our attention by Mr. John Scott, a geologist with the geological section of the Ministry of Northern Development and Mines in Thunder Bay and was the reason for the staking of the present property.

LOCATION, ACCESS AND GRIDING

The property is located about 20 kilometres north west of Thunder Bay, Ontario in Ware Township and is legally described as the east half of mining location 211T. The area is protected by 4 unpatented mining claims numbered TB 1166756 - 759 inclusive located in the Thunder Bay Mining division.

The area is easily reached by the fourth concession road in Ware township which cuts across the top 2 claims near the northern boundary of the property.

The grid was established by Phantom Exploration. Approximately 8.0 kilometres of line was cut, chained and picketed at 25 metre intervals. The base line was orientated east west while the north south wing lines were cut at 100 metre intervals along it.

PERSONNEL

The day to day work and the overall supervision of the geophysical program was carried out by R.D. Middaugh of Phantom Exploration Services Ltd.

INSTRUMENTATION

Magnetic

A proton precession magnetometer (model omni IV) manufactured by EDA Instruments of Toronto, Ontario was used for this survey. The total field was read with a resolution of one gamma and all field data was corrected for diurnal variations using another omni IV magnetometer in the base station mode.
Readings were recorded at 25 metre intervals on the grid lines.

Electromagnetic

A Vlf EM-16 unit manufactured by Geonics Limited of Mississauga, Ontario was used for this survey. Both in and out of phase components were recorded at 25 metre intervals on the grid lines. The transmitter station used was Cutler, Maine with a frequency of 24.0 KHz.

DISCUSSION OF RESULTS

Magnetic

The survey area is presented in plan form at a scale of 1:2500. The corrected magnetic data is plotted on this map contoured at 500 and 1000 gamma intervals where feasible.

The only magnetic feature of note indicated by the survey is the east west trending magnetic high located along the southern boundary of the property. The data exhibits no regional gradient and the only evidence of a regional trend is indicated by the magnetic high mentioned above.

Electromagnetic

The survey area is presented in plan view at a scale of 1:2500 with a vertical scale set at 1 cm = 20% for the EM profiles.

Most of the conductive trends located on the property exhibit poor conductivity and seem to be related to topographic features such as low swampy ground. While this is definitely true of anomalies D-D' and C-C', portions of anomalies A-A' and B-B' exhibit moderate to good conductivity which suggests these conductive trends reflect more than simple swamp responses.

These anomalies are not related to any magnetic features although they do exhibit a similar east west regional trend.

CONCLUSIONS AND RECOMMENDATIONS

The survey area is underlain by a near vertical dipping east west trending sequence of rocks. The rather flat magnetic data seems to represent granite and/or metasediments while the magnetic high located to the south probably represents a volcanic sequence of rocks as suggested by government geologic maps of the area. The conductive trends located on the property all reflect topographic responses but anomalies A-A' and B-B' seem to indicate some kind of bedrock feature such as s shear zone or fault.

Detailed mapping and prospecting should be carried out to better understand and evaluate the geophysical results and the economic potential of the area. Since the main interest on the property is gold mineralization, a geochemical survey of a suitable nature may better define gold bearing structures not necessarily outlined by the geophysical methods used to date.

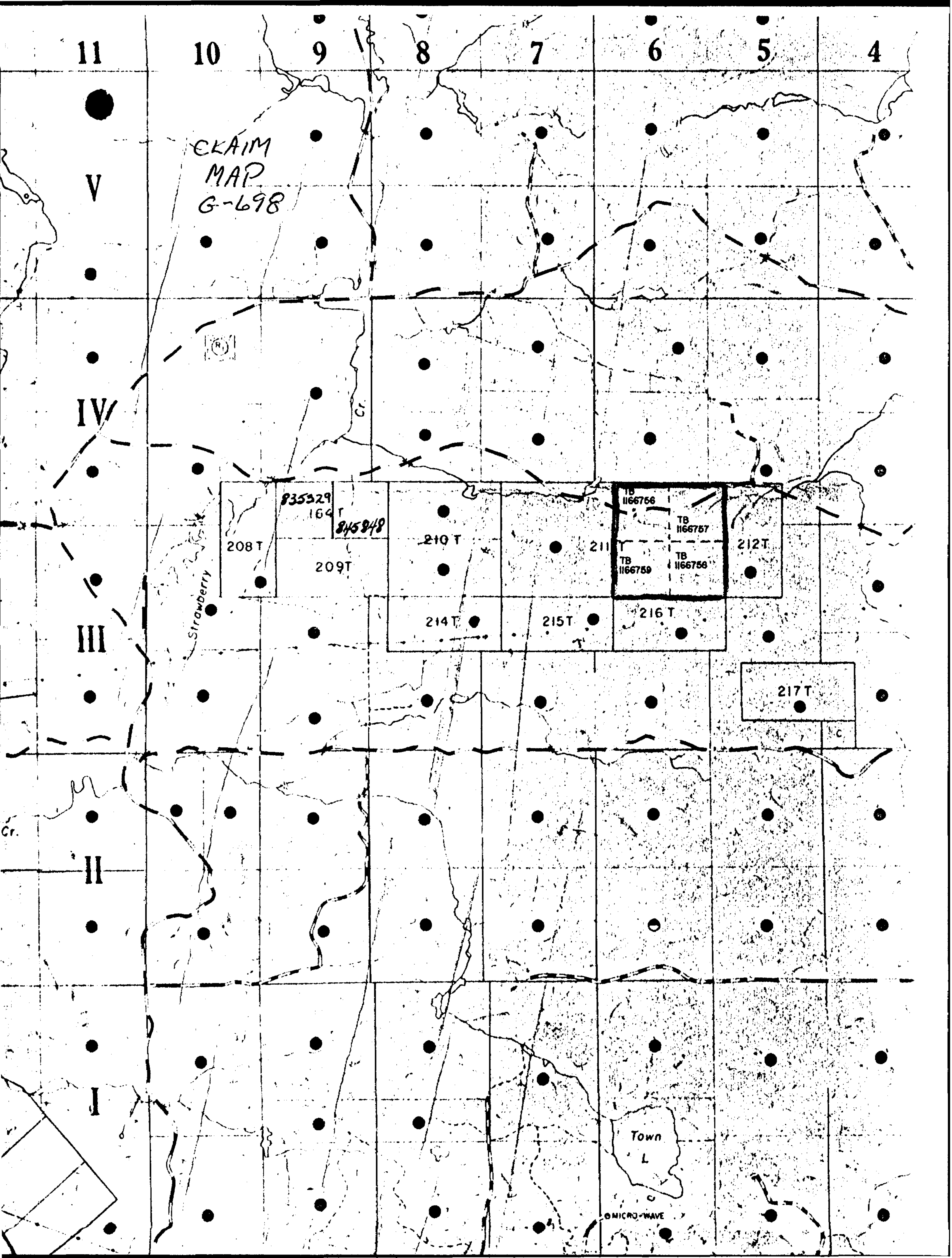
Subsequent to the above recommendations, a drill program should be considered to test any resulting target areas.

Submitted by
Phantom Exploration Services Ltd

R.D. Middaugh
Geologist

APPENDIX

Map 1.	Location map
Map 2.	VLF Survey Profiles
Map 3.	Magnetometer Survey



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CLAIM MAP G-698
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Strawberry
Cr.
Cr.
Town L
MICRO-WAVE

ACCURASSAY LABORATORIES LTD.

P.O. BOX
KIRKLAND LAKE, ONTARI
TEL.: (705) 5

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C.

020

Certificate of Analysis

Date: November 6 19 90

36203

Ken Simard
115 W. Myles Street
THUNDER BAY, ONTARIO
P7C 1M3

Work Order # : T900944
Project : Ignace + DAYDIE

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T
535807	1		
535808	2		
535809	3		
535810	4		
535811	5		
535812	825	30	<0.002
535813	IGNACE-0	32	<0.002
535814	DRYDEN-1	1137255	33.094
535815	BENDING LAKE-1	11	<0.002
535816	BENDING LAKE-2		
535816	BENDING LAKE-2		Check
535817	W of T.B.-0		
535817	W of T.B.-0		Check

Per:

LF-30

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KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Ken Simard
36202 115 W. Myles Street
THUNDER BAY, ONTARIO
P7C 1M3

Date: November 6 19 90

Work Order # : T900944
Project : Ignace

SAMPLE NUMBERS Accurassay	Customer	Copper ppm	Nickel ppm	Zinc ppm
535807	1	2000	370	78
535808	2	23	21	14
535809	3	2300	150	16
535810	4	270	67	170
535811	5	1700	370	22
535812	8296	185	18	36
535813	IGNACE-0	140	98	79
535816	BENDING LAKE-2	170	120	79
535817	W of T.B.-0	350	280	140

LF-30

Per:

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Certificate of Analysis

Thunder Bay & Area

Date: August 20 19 90

38971

Ken Simard
115 W. Myles Street
THUNDER BAY, ONTARIO
P7C 1M3

Work Order # : T900654
Project : gravel river

SAMPLE NUMBERS		Gold	Gold	
Accurassay	Customer	ppb	Oz/T	
528297	1			
528298	2	35	<0.002	
528298	2	15	<0.002	Check

Per: Blaine Nichols

LF-30

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Certificate of Analysis

Ken Simard
34645 115 W. Myles Street
THUNDER BAY, ONTARIO
P7C 1M3

Date: August 31 19 90

Work Order # : T900654
Project :

aquacabon road

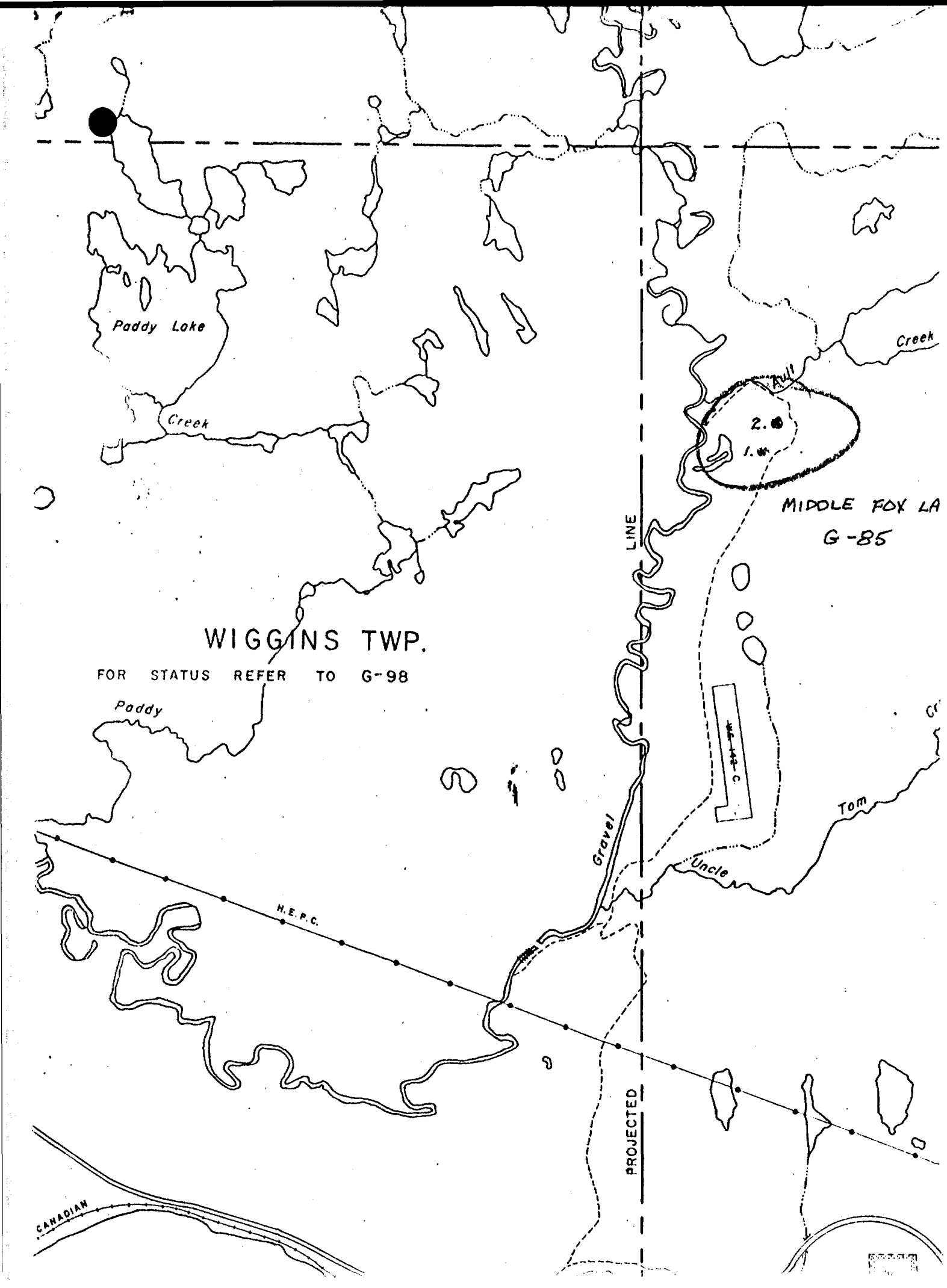
SAMPLE NUMBERS Accurassay	Customer	Copper ppm	Zinc ppm
528297	1	140	100

Per:

LF-30

CUSTOMER COPY

Sample #		Ni(ppm)	Cu(ppm)	Zn(ppm)	Au(ppb)	Location
528297	1.	---	140	100	---	Terrace Bay
528298	2.	---	---	---	35/15	Terrace Bay
535807	3.	370	200	78	---	Ignace
535808	4.	16	23	14	---	Ignace
535809	5.	150	2300	16	---	Ignace
535810	6.	67	270	170	---	Ignace
535811	7.	370	1700	22	---	Ignace
535812	8.	18	85	36	30	Ignace
535813	9.	98	140	71	32	Ignace
535815	10.	---	---	---	11	Ignace
535816	11.	120	170	79	---	Ignace
535817	12.	280	350	140	---	Shebandowan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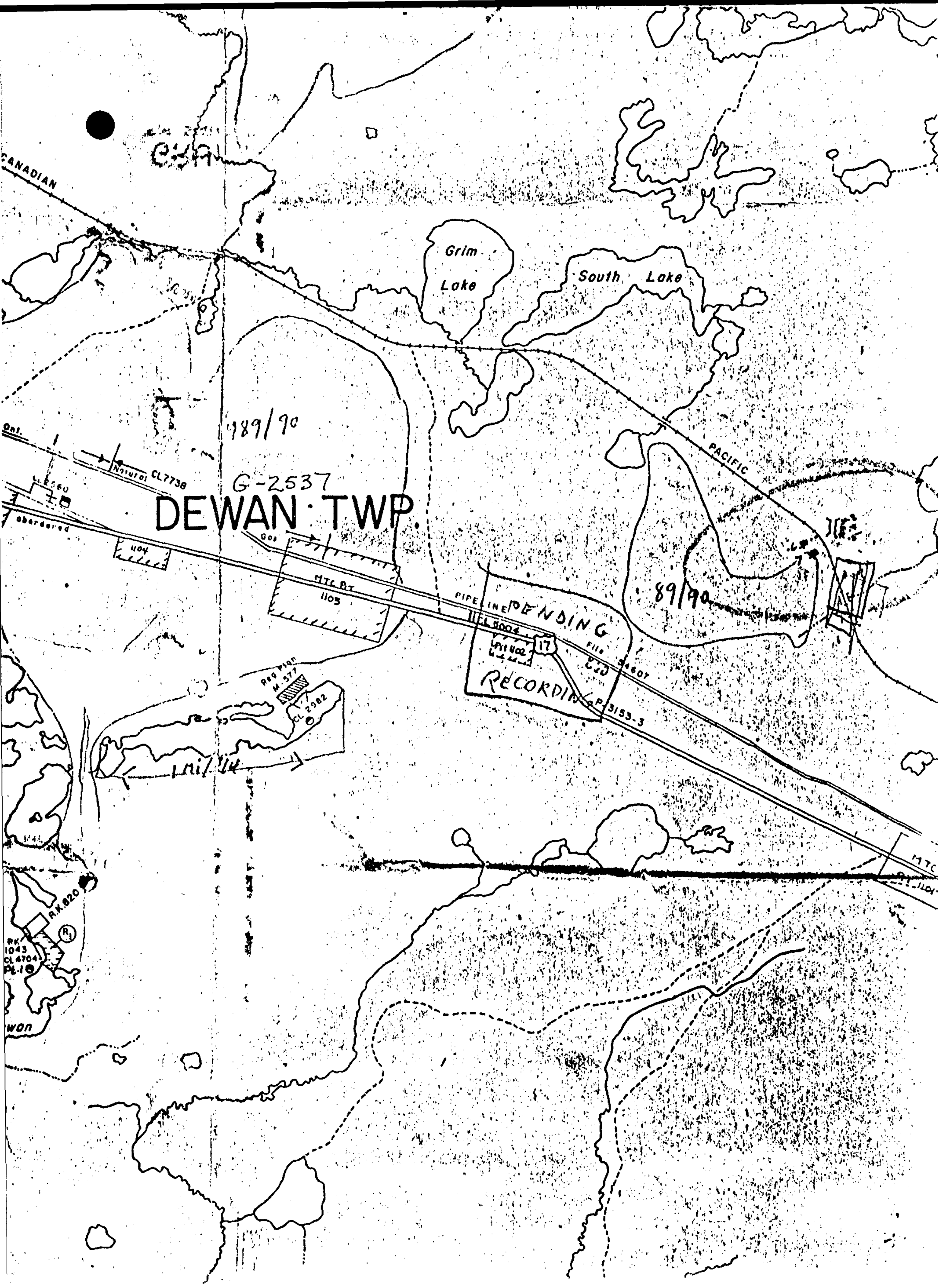
Creek
Creek
2.0
1.0
MIDDLE FOX LA
G-85
LINE
WIGGINS TWP.
FOR STATUS REFER TO G-98
Paddy
Gravel
Tom
Uncle
H.E.P.C.
PROJECTED
CANADIAN



CANADIAN
PACIFIC
Grim Lake
South Lake
989/90
G-2537
DEWAN TWP.
CL7738
Natural
abandoned
1104
Gas
MTC Pit
1103
PIPELINE
CL 4004
PENDING
RECORDING
Pit 1102
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CL 2982
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R.K.820
RK
1043
CL4704
PL-1
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MTC
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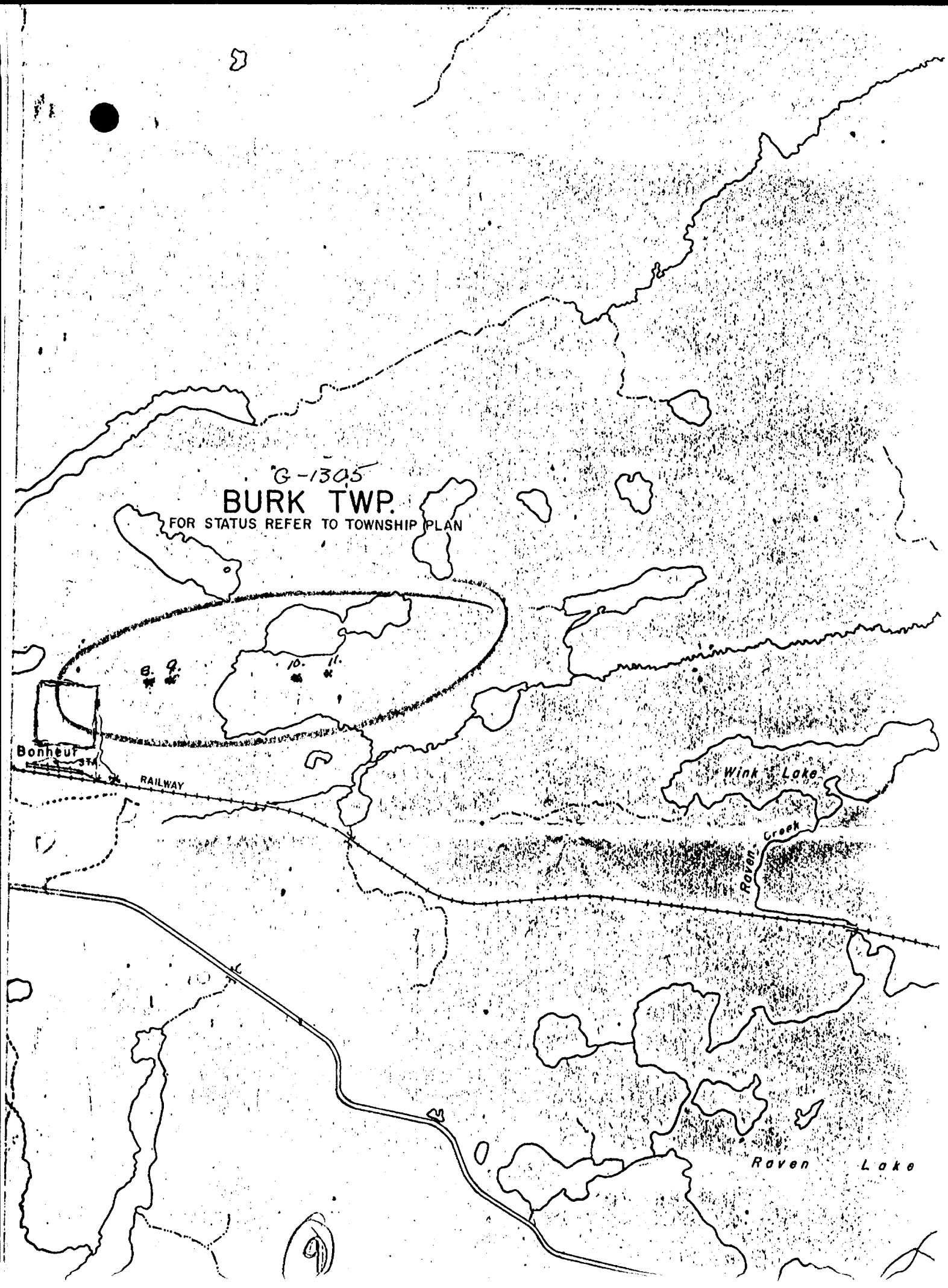
G-1305
BURK TWP.
FOR STATUS REFER TO TOWNSHIP PLAN
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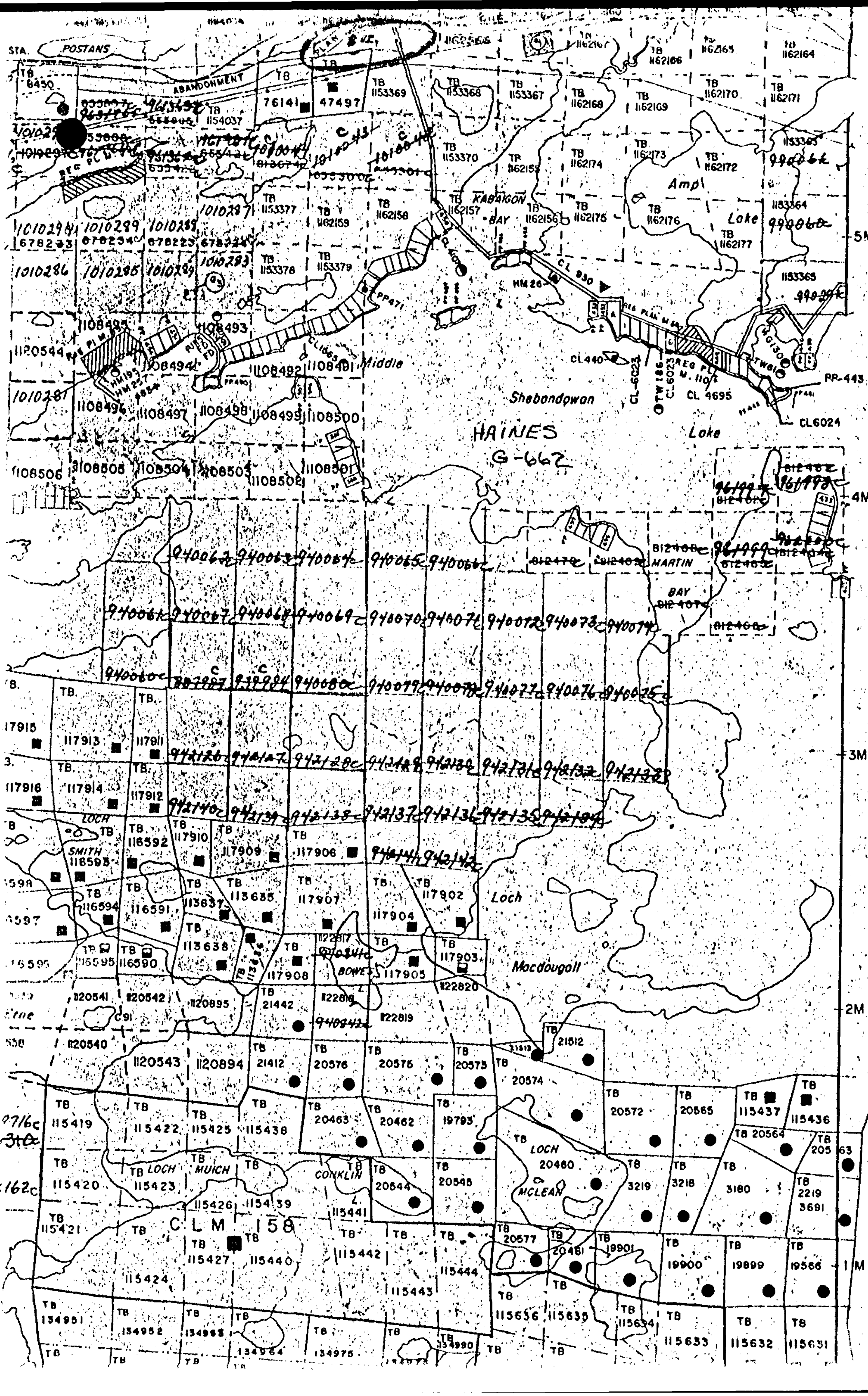

HAINES
G-662
Middle
Shebandowan
Loke
KABAIGON
BAY
Amp
Lake
MARTIN
BAY
Loch
Macdougall
LOCH
SMITH
LOCH
MUICH
CONKLIN
LOCH
MCLEAN
BOWE
CLM 158
ABANDONMENT
POSTANS
5M
4M
3M
2M
1M

Hagey Twp. G-661

MANITOBA
WOODLAND CARIBOU PROVINCIAL PARK
Poplar Hill
MacDowell
Pikangikum (I.R.)
Whitestone
Cat Lake (I.R.)
Red Lake
Balmertown
Cochenour
McKenzie Is.
Madsen
Starratt-Olsen
TOLL FERRY
PAKWASH
Ear Falls
Goldpines
Werner Lake
C.N.R.
Wabaskang
Perrault Falls
LAC SEUL
Lac Seul (I.R.)
Camp Robinson
Grassy Narrows (I.R.)
Whitedog
Minaki
Malachi
Ingolf
Sioux Lookout
Hudson
Red Lake Road
Vermilion Bay
Eagle River
Minnitaki
Oxdrift
Dryden
Wabigoon
Dinorwic
Dyment
Borups Corners
Ignace
Savant Lake
English River
Kenora
Keewatin
Clearwater Bay
Kejick
Rushing River
Aulneau Peninsula
Whitefish Bay (I.R.)
Sioux Narrows
Crow Lake
Nestor Falls
Caliper Lake
Burditt Lake
Northwest Bay
Morson
Lake of the Woods
Bergland
Baudette
Rainy River
Emo
Devlin
Rainy Lake (I.R.)
Fort Frances
International Falls
Sand Point Island
Mine Centre
Seine River Village
Atikokan
Little Fork
Kabetogama
CANADIAN PACIFIC
CANADIAN NATIONAL
O'Briens Landing
Silver Dollar
Great River Road

Sample #		Ni(ppm)	Cu(ppm)	Zn(ppm)	Au(ppb)	Location
528297	1.	---	140	100	---	Terrace Bay
528298	2.	---	---	---	35/15	Terrace Bay
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535808	4.	16	23	14	---	Ignace
535809	5.	150	2300	16	---	Ignace
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535813	9.	98	140	71	32	Ignace
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535816	11.	120	170	79	---	Ignace
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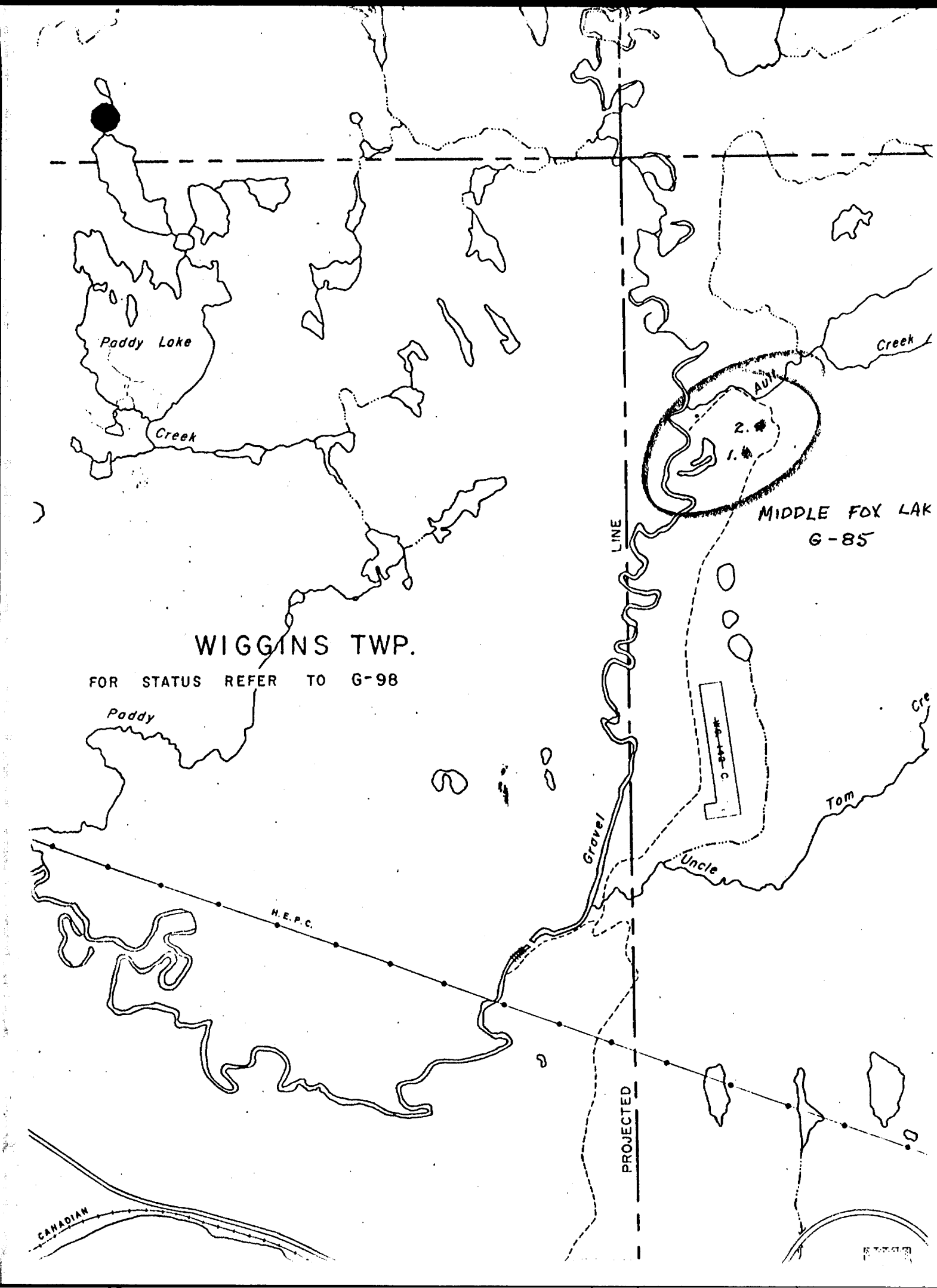
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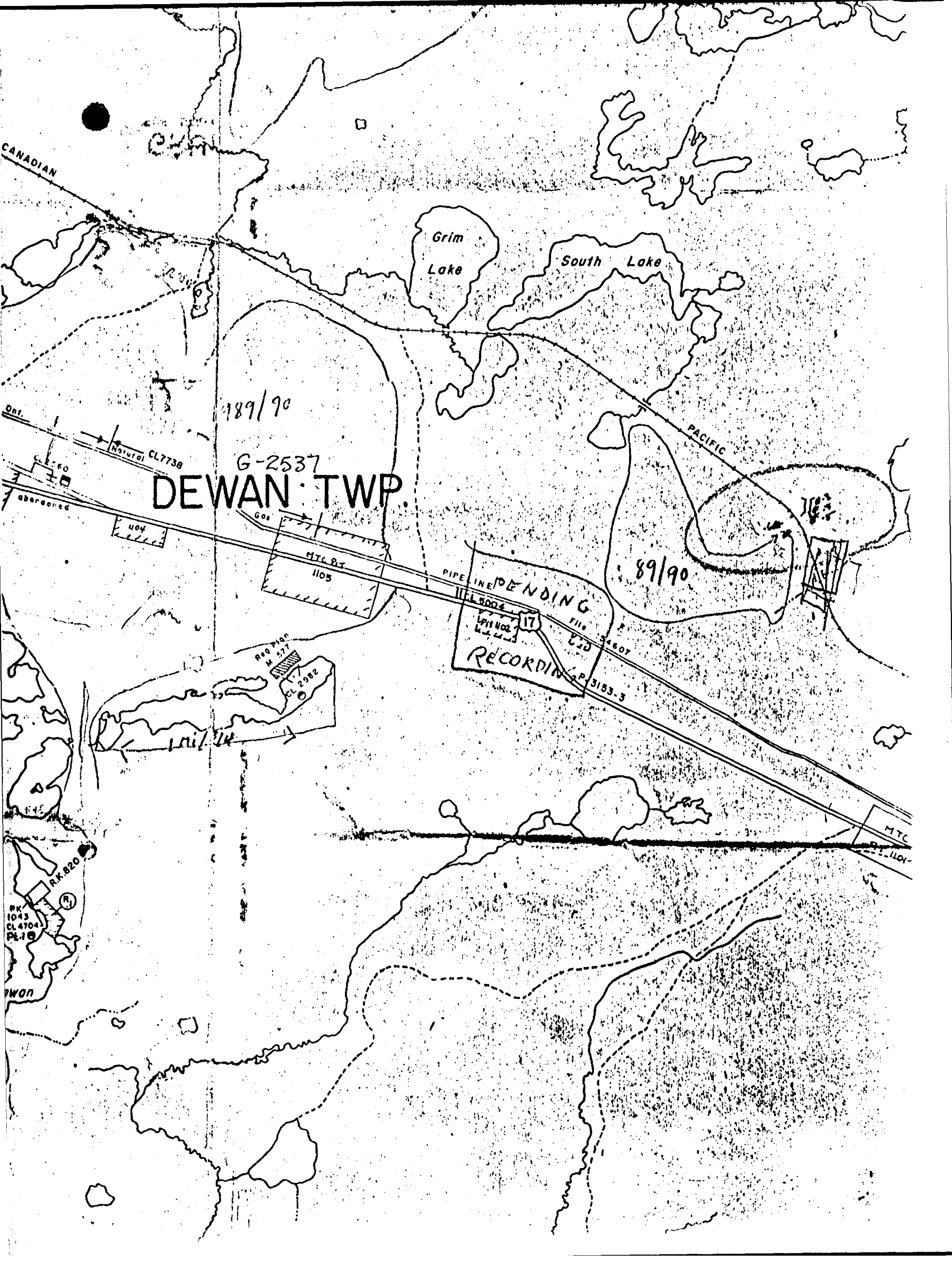
CANADIAN
PACIFIC
Grim Lake
South Lake
189/90
G-2537
DEWAN TWP.
Ont.
Natural
CL7738
abandoned
Gas
404
MTC Pit 1103
PIPE LINE
CL 8004
PENDING
RECORDING
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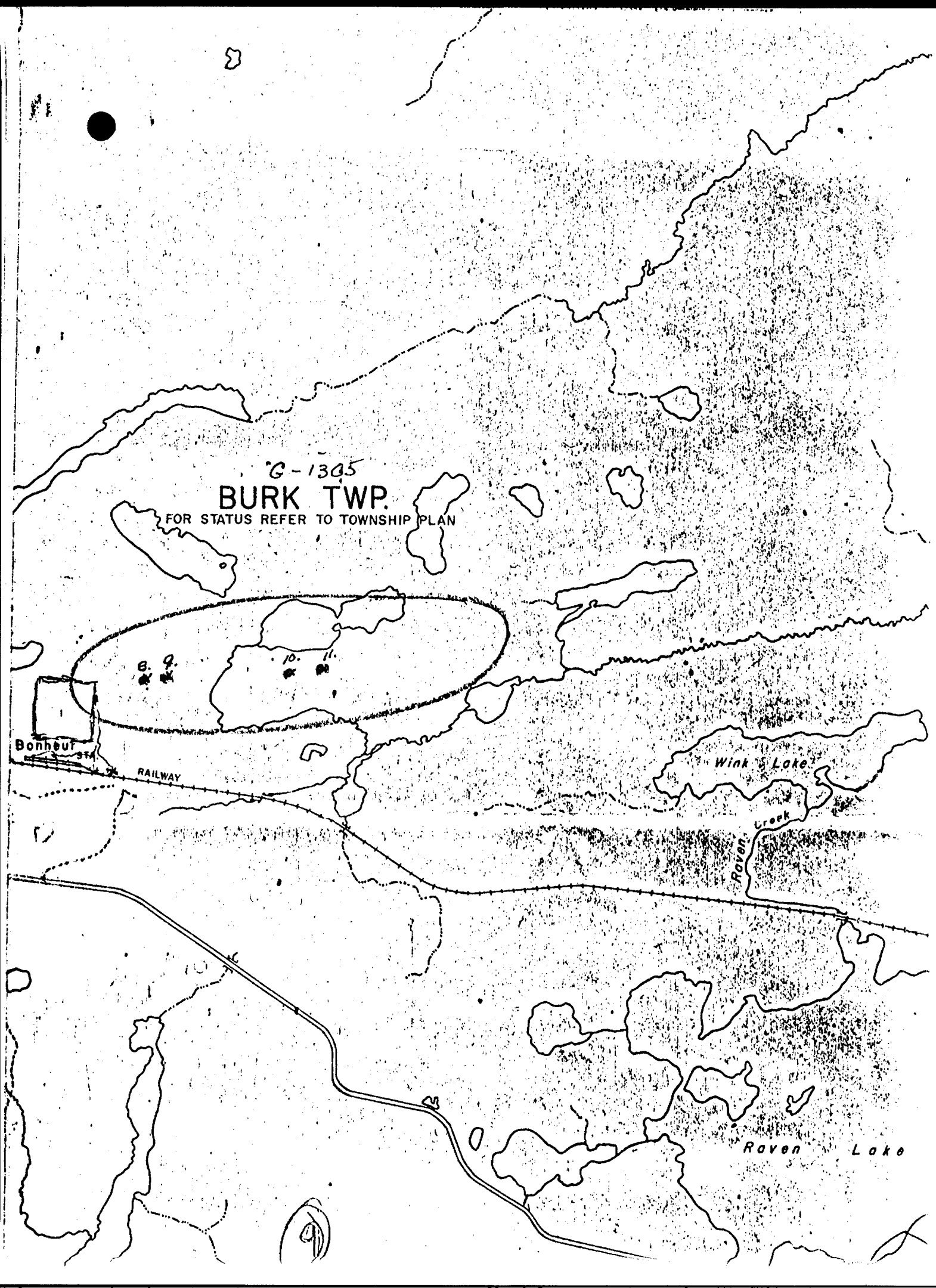
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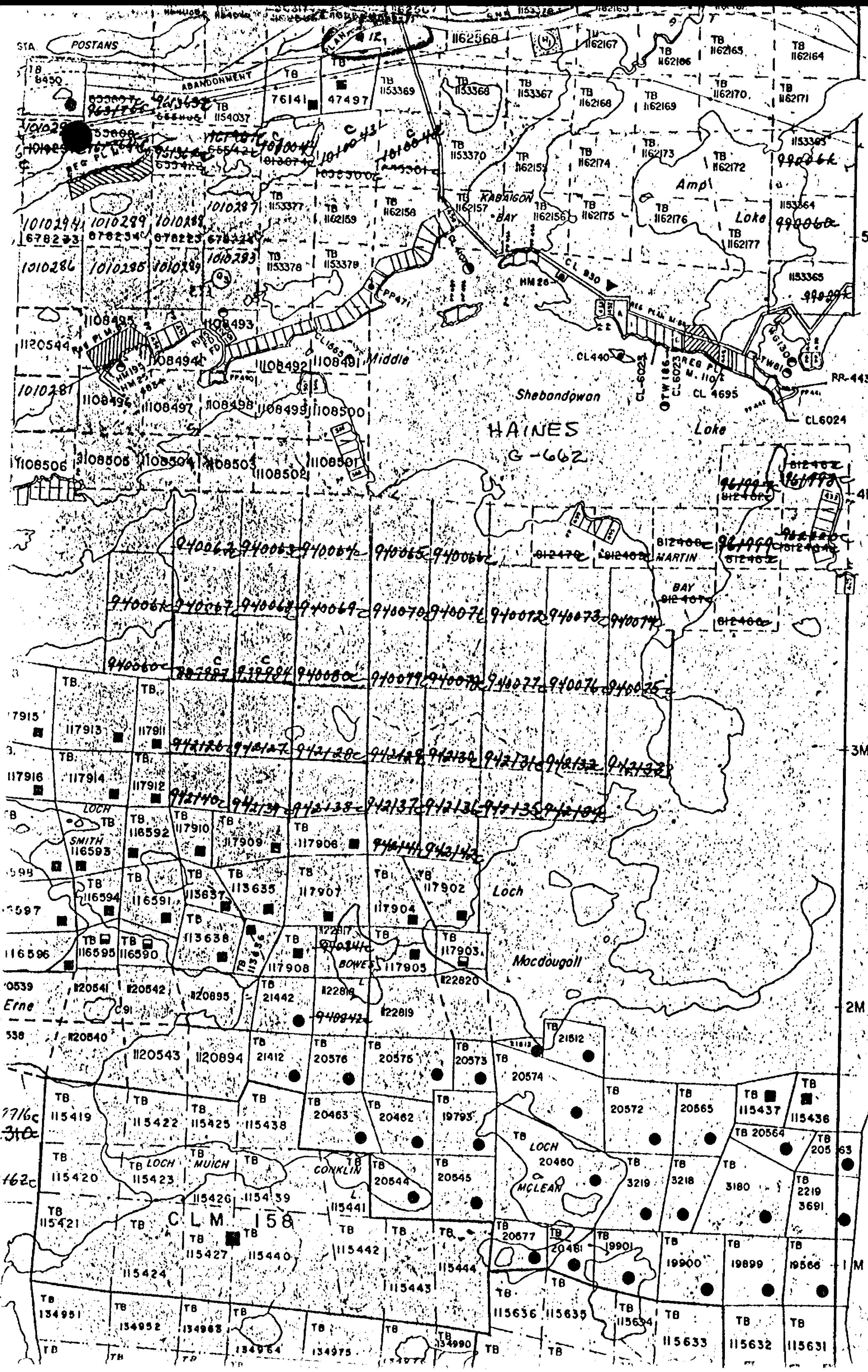

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CONKLIN
LOCH MCLEAN
C.L.M. 158
5M
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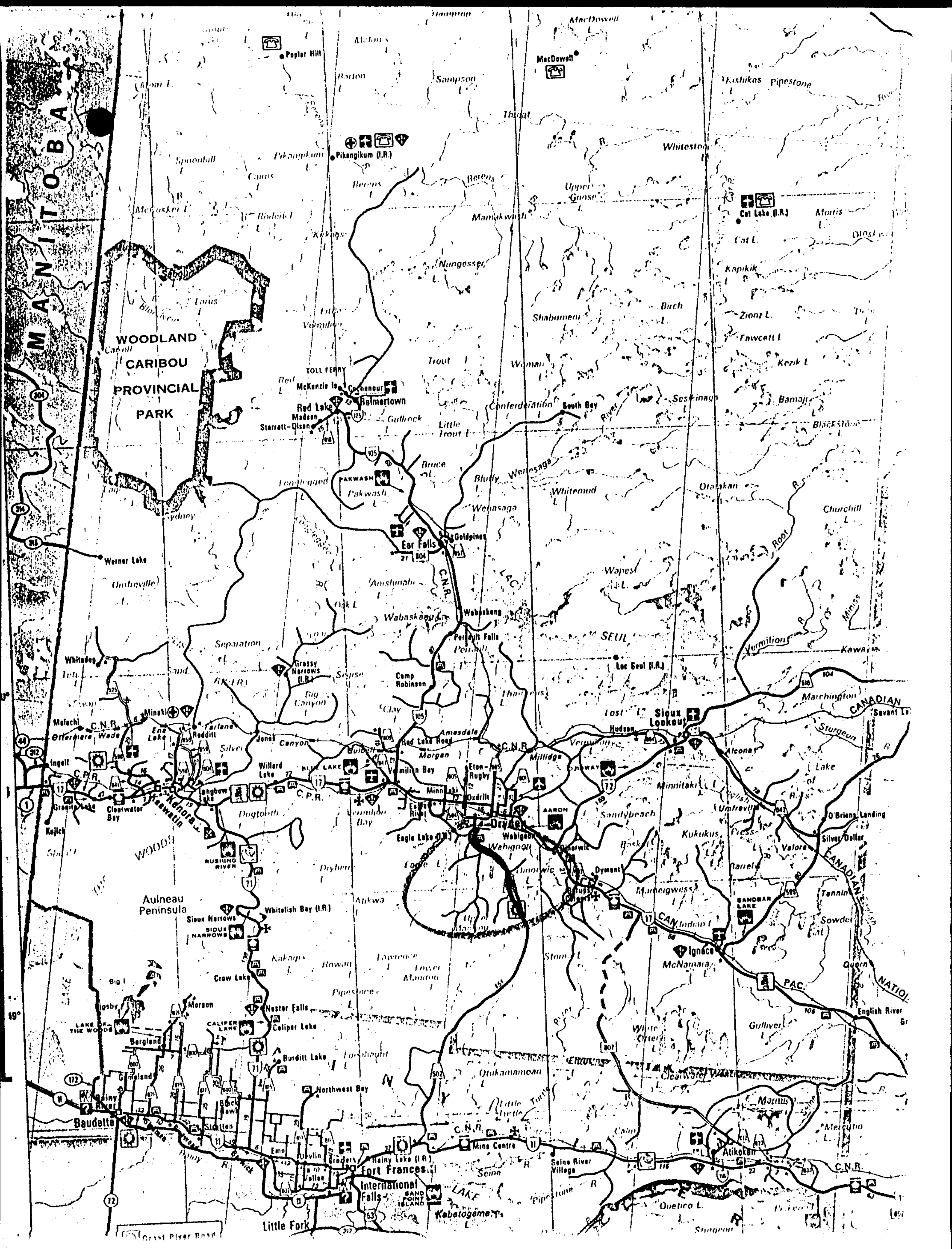
Hagey Twp. G-661



MANITOBA
WOODLAND CARIBOU PROVINCIAL PARK
Poplar Hill
MacDowell
Pikangikum (I.R.)
Kishikas
Pipestone
Whitestone
Cat Lake (I.R.)
Cat L.
Kapikik
Nungesser L.
Shabumeni L.
Birch
Fawcett L.
Trout
Woman L.
TOLL FERRY
McKenzie Is.
Cochenour
Balmertown
Red Lake
Madsen
Starratt-Olsen
Gullrock
Little Trout L.
Confederation
South Bay
Bluffy
Wenasaga
Whitemud
Pakwash L.
PAKWASH
Bruce L.
Ear Falls
Goldpines
C.N.R.
Werner Lake
Umfreville L.
Anishinabi
Oak L.
Wabaskang
LAC SEUL
Lac Seul (I.R.)
Perrault Falls
Separation
Grassy Narrows (I.R.)
Camp Robinson
Big Canyon L.
Whitedog
Minaki
Malachi
Ottermere
Ena Lake
Redditt
Jones
Canyon
Red Lake Road
Amesdale
Sioux Lookout
Hudson
Marchington
Savant L.
CANADIAN
Sturgeon
Alcona
Ingolf
C.P.R.
Granite Lake
Clearwater Bay
Keewatin
Kenora
Longbow Lake
Willard Lake
BLUE LAKE
Vermilion Bay
Minnitaki
Eton-Rugby
Oxdrift
Milliidge
Sandybeach
Umfreville
O'Briens Landing
Silver Dollar
Eagle River
Dryden
Wabigoon
Dinorwic
Eagle Lake (I.R.)
AARON
Dyment
Kukukus
Melgund
Raleigh
CANADIAN
NATIONAL
SANDBAR LAKE
Aulneau Peninsula
RUSHING RIVER
Whitefish Bay (I.R.)
Sioux Narrows
SIOUX NARROWS
Ignace
McNamara
PAC.
Crow Lake
Big L.
Morson
LAKE OF THE WOODS
CALIPER LAKE
Nestor Falls
Caliper Lake
English River
Gulliver L.
Berglund
Burditt Lake
Northwest Bay
Otukamamoan
White Otter L.
Clearwater
Rainy River
Baudette
Stratton
Emo
Devlin
Barwick
Rainy Lake (I.R.)
Fort Frances
International Falls
SAND POINT ISLAND
Mine Centre
Seine River Village
Atikokan
C.N.R.
Kabetogama
Little Fork
Quetico L.
Great River Road

-South Flambeau Lake area-

Introduction

The area south of Flambeau Lake was examined after discussing the gold potential in the area with Alex Kowozy. Mr. Kowozy operates a small scale gold mill in the area and mines gold carrying veins in diorite and mafic volcanics. He indicated areas which should be prospected

Location and Access

The area is located 30-40 kilometers south of Dryden, on highway 812. The area prospected consisted of an area west of the highway accessible by logging roads.

General Geology.

The area is underlain by Archean mafic to intermediate metavolcanic flows and pyroclastics. The volcanic package is intruded by mafic and ultramafic bodies. The known mineralization in the area consists of gold bearing quartz

veins and massive to disseminated sulfide minerals (Cu, Ni) associated to the mafic to ultramafic intrusives.

The dominant mineralization of the area is the Kowozy Flambeau lake mineralization and the Cu-Ni mineralization presently being evaluated by Minista Expl. Ltd.

Prospecting Program

The prospecting program consisted of 2 days in the area. The program included examining the Kowozy operation, discussion with Mr. Kowozy and prospecting the logging roads recommended by Mr. Kowozy. Numerous outcrops were examined and minor stripping was completed on good looking areas. Only one sample was taken but it is possible it was mixed up with samples from the Kowozy property. The assay returned 33 ppb with no gold values.

Recommendations

[illegible] were not very intriguing.

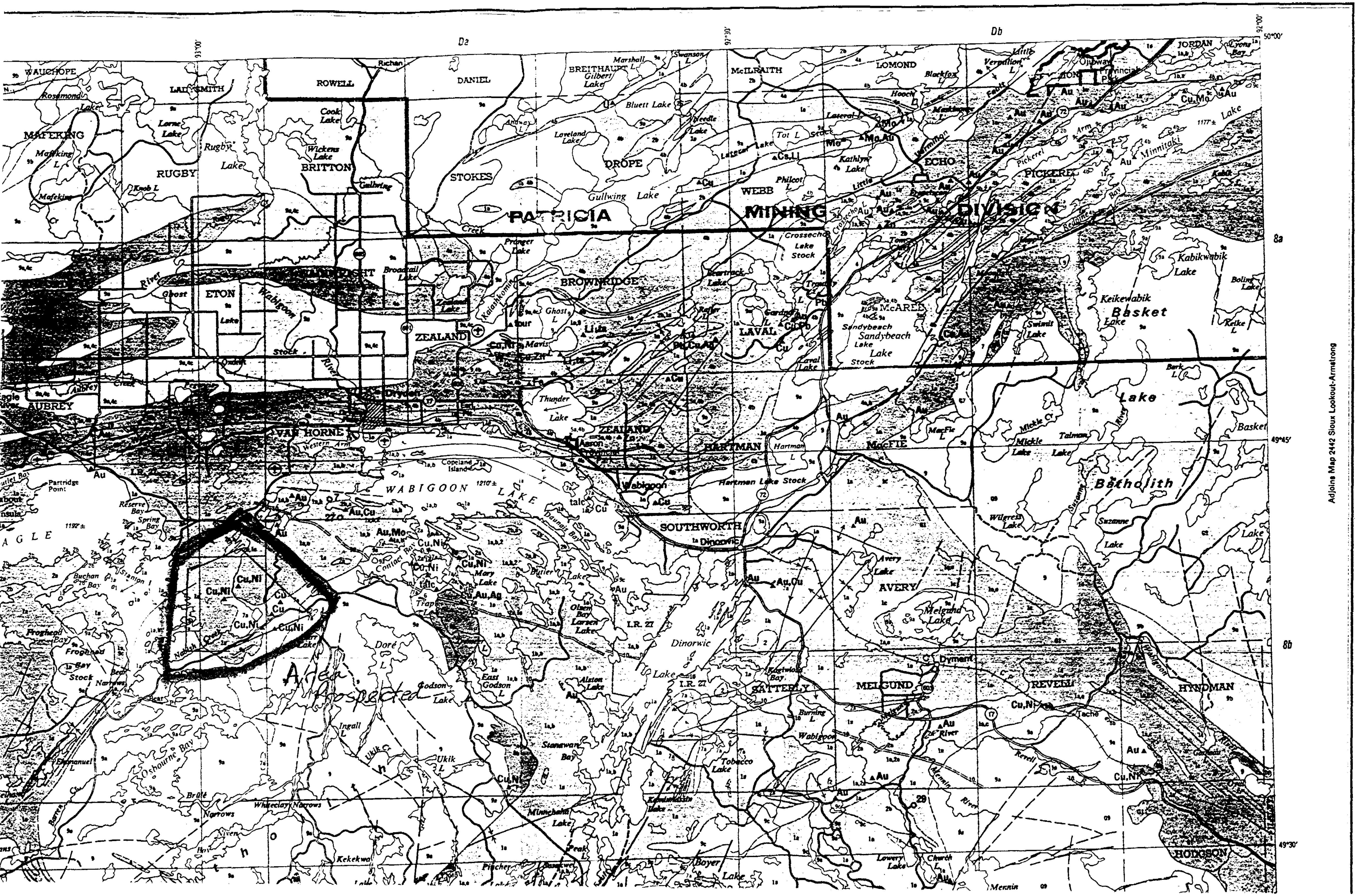
The high assay was attributed to Mr. Kowozy's Property.

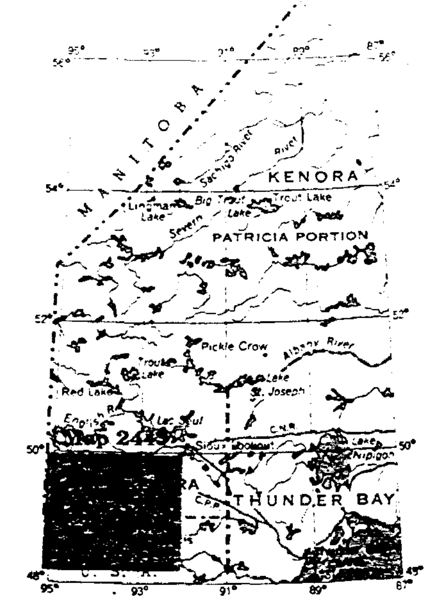
No further prospecting is foreseen in the area

for 1991.

Map 2443
Kenora – Fort Frances
Geological Compilation Series

1: 253,440





Scale, 1 inch to 200 miles

N.T.S. reference: 52C, 52D, 52E, 52F

LEGEND

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Sand, gravel, clay.

UNCONFORMITY

PRECAMBRIAN

MIDDLE TO LATE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

10 Diabase dikes.

INTRUSIVE CONTACTS

EARLY PRECAMBRIAN*

FELSIC AND INTERMEDIATE INTRUSIVE ROCKS

9 Unsubdivided.
9a Massive to foliated, equigranular and porphyritic, quartz monzonite granodiorite, trondhjemite, quartz diorite, and granite.
9b Gneissic to foliated trondhjemite, quartz monzonite, granodiorite quartz diorite.
9c Quartz and feldspar porphyries.

8 Unsubdivided equigranular and porphyritic monzonite, syenodiorite, syenite, diorite and quartz diorite.
8a Monzonite, syenodiorite, syenite.
8b Diorite, quartz diorite.

METAMORPHOSED MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS

7 *7 Unsubdivided mafic intrusive rocks*
7a Gabbro, norite, diorite

Shebandowan Area - Haines Twp.

Introduction

One day was spent in the Haines Twp. area west of Thunder Bay. The area is well known as a mineralized belt with the Shebandowan mine (Inco) in production at the present.

Location and Access

The area is approximately 100 km by Highway 11 west of Thunder Bay. Access is via highway 11 and then by foot off the highway.

Regional Geology

The area is underlain by the Shebandowan Lake metavolcanic belt. The belt consists of Archean mafic to felsic metavolcanics intruded by ultramafic to felsic bodies. The area has numerous occurrences of base and precious metals. The area prospected is

near or on strike to gold bearing quartz veins and stratiform base metal occurrences. The closest occurrence is the Vanguard Zn-Cu occurrence associated to a chert-magnetite horizon.

Prospecting Program.

The program included outcrop stripping along 1200 foot north-south prospecting traverses from the highway over a ½ mile strike length. Only one sample was taken at rusty sheared basalt which assayed [illegible] ppm Cu.

Recommendations.

Further prospecting would be recommended but since last summer the area has been staked by someone.

Lake Shebandowan Lake Area

area prospected

Projected line

Postans Fault

Postans

Postans Lake

Second Narrows

Gilt Lake

Electric power transmission line

Three Mile Bay

Kabaigon

Kabaigon Lake

Little Kabaigon Lake

Kabaigon Bay

Amp Lake

Shafton Lake

Young Bay

Shebamboo Pt.

Kabaigon Island

Teapot I.

Middle Gap

Middle Shebandowan Lake

Little Bare I.

Big Bare I.

Pine Island

Mo, Pb, Cu, Au, Ag

Mo

Martin Bay

Dam

Drift

Anderson Island

Boyes Island

Loch Smith

Crayfish Creek Fault

Loch Macdougall

Loch Erne

HAINES

HAGEY

Cu, Pb, Au, Ag

Bending Lake Gold Area

<u>Introduction</u>

The Bending Lake area has recently been made accessible by the Nikolin - Ignace Highway which also exposed numerous new outcrop exposures.

<u>Location and Access</u>

The area prospected is located approximately 80 kilometers West of Ignace, north of Bending Lake. The Nikolin - Ignace road provides access to the area.

<u>General Geology</u>

The area is underlain by the Stormy Lake - Bending Lake metavolcanic belt. The belt strikes northwest and is of amphibolite grade metamorphic facies. The mineralization in the belt consists of magnetite iron formations, gold bearing quartz veins and minor base metal occurences. The only economic [illegible] mineralization in the Bending Lake iron deposits

Prospecting Program

A one day prospecting program was completed on the Atikokan - Ignace road. The program consisted of examining road side outcrops from Highway 17 to the Turtle River. The only area of interest was the northwest extension of the Bending Lake iron deposit. The area at the road side consists of cherty, pyrite, pyrrhotite iron formation. Samples of the iron formation assayed 1. 11 ppb gold, 2. 17 ppm Copper, 120 ppm Nickel and 79 ppm Zinc.

Recommendations

The assay results were not significant enough to complete further work.

Berding Lake Area

... Area Buck and Dewan Twp.
Introduction
... Buck and Dewan Twp. areas have been prospected since the days of the Bonhuer trail (late 1800s). In the 1960s gold mineralization was reported just west of the Bonhuer River in Dewan Twp. A molybdenite occurrence is located just north of ... station in a granite quarry.

Location and Access

Recent logging activity has created a series of logging roads extending northerly from Highway 17 and the C.P.R. railway. These roads provide good access and expose additional outcrop.

General Geology

The area has been mapped as being underlain by granite with minor mafic metavolcanic outliers. These metavolcanic outliers are possibly less metamorphosed

sections of a volcanic belt. Sampling during this prospecting program indicates more mafic material than indicated on government maps. Documentation of mineralization is not present in government files.

Prospecting Program (May 25-28/90)

The prospecting program consisted of 5 days of evaluating the new logging roads and the old showing documented in the 1960's. The prospecting of the roads revealed numerous sheared chloritic outcrops with minor sulfides. The samples taken on the logging road northeast of Bonheur Station were.

ample	Description	kilometers from Bonheur	Cu(ppm)	Ni(ppm)	Zn(ppm)
	Sheared Basalt minor sulfides	0.8	2000	370	78
	Chlorite Schist pyrite<1%	0.9	23	16	14
	Sheared Basalt 1% cp, py	1.8	2300	150	16
	Chlorite Schist	2.0	270	67	170
	Chlorite Schist	3.0	1700	370	22

The work completed on the old showing west of the Bonhuer River in Dewan Twp. included outcrop stripping, blasting, prospecting and sampling. Only two samples were assayed and returned:

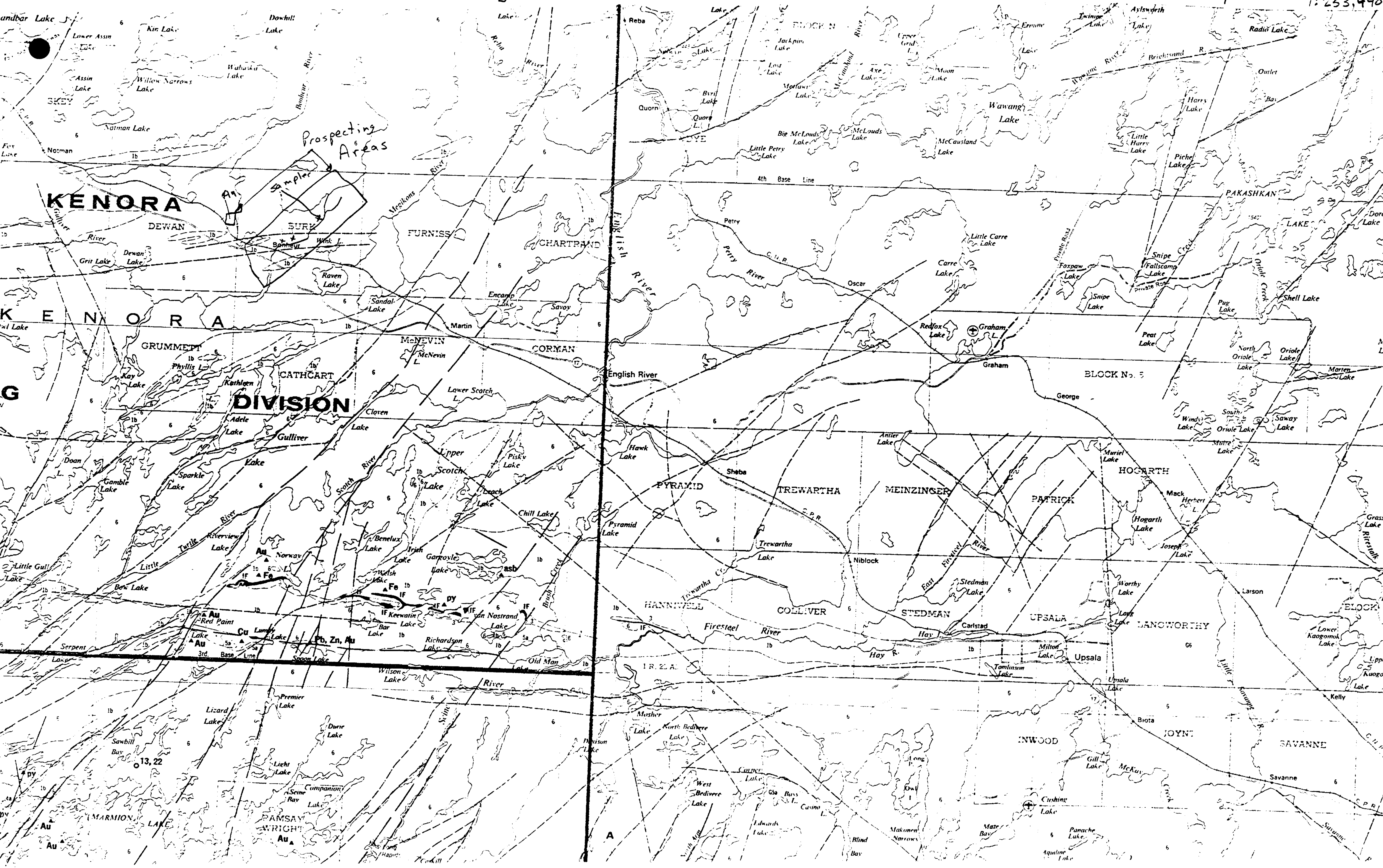
Sample #	Description	Au(ppb)	Cu(ppm)	Ni(ppm)	Zn(ppm
875	Quartz Vein ~2% pyrite	30	85	18	36
Ignace-0	Sheared Basalt <1% py	32	140	98	71

Recommendations

Work on the area has indicated more volcanics ther are shown on geology maps. The copper assays are interesting and should be followed up. The location of the showing in Dewan Twp. was not located but should be further followed-up.

Ignace Area - Dewar + Bark Twp.

Map 2065. 1:253,440



Terrace Bay - Gravel River

Introduction

The Gravel River Prospecting Area has been prospected since the late 1800's. Work in the Nagunagsic Lake area located a gold showing in the 1960's. The prospecting in 1990 attempted to re-locate the showing.

Location and Access

Nagunagisic Lake is located west of the Gravel River 20 kilometers north west of Rossport. Access is via the Gravel River Road which departs from Highway 17 approximately 12 kilometers west of Rossport. The Gravel River Road leads to the prospecting area though the last 3 miles must be travelled on foot. (Claim Map G-45)

General Geology

The area is underlain by granite and paragneiss. The area is bounded by the Proterozoic Faults marked

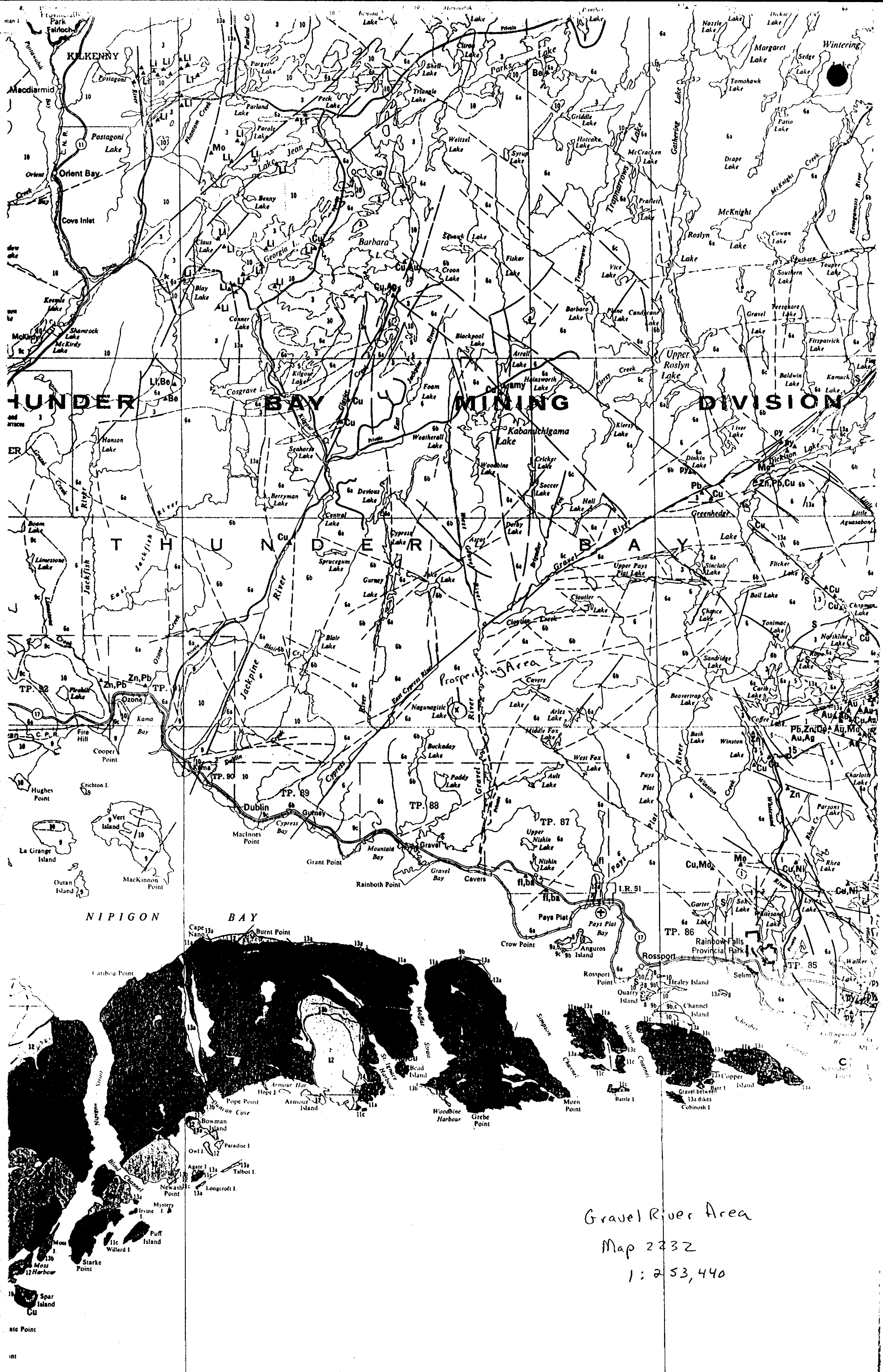
by the Jackpine and Gravel Rivers. Copper, amethyst molybdenite and gold showings are associated to the faults. The mineralization consists of pyrite, chalcopyrite and molybdenite.

Prospecting Program

A total of 2 days was spent prospecting. The program consisted of outcrop stripping and prospecting. Only one sample was assayed from those taken. The sample consisted of a quartz vein with 1% pyrite and assayed 35 and 15 ppb.

Recommendations

Prospecting failed to located significant gold mineralization. Further work is not anticipated.



Gravel River Area
Map 2232
1:253,440

Terrace Bay - Aguasabon Road

Introduction

The Aguasabon Road is a main logging haul road that departs from Terrace Bay. The road travels north and provides numerous outcrop exposures of the area.

Location and Access

The road departs from Terrace Bay located on Trans Canada Highway 17.

General Geology

The road travels north and crosscuts the Schreiber - Hemlo Metavolcanic Belt, and granite nd gneissic rocks. The mineralization in the area includes gold, base metal and molybdenite.

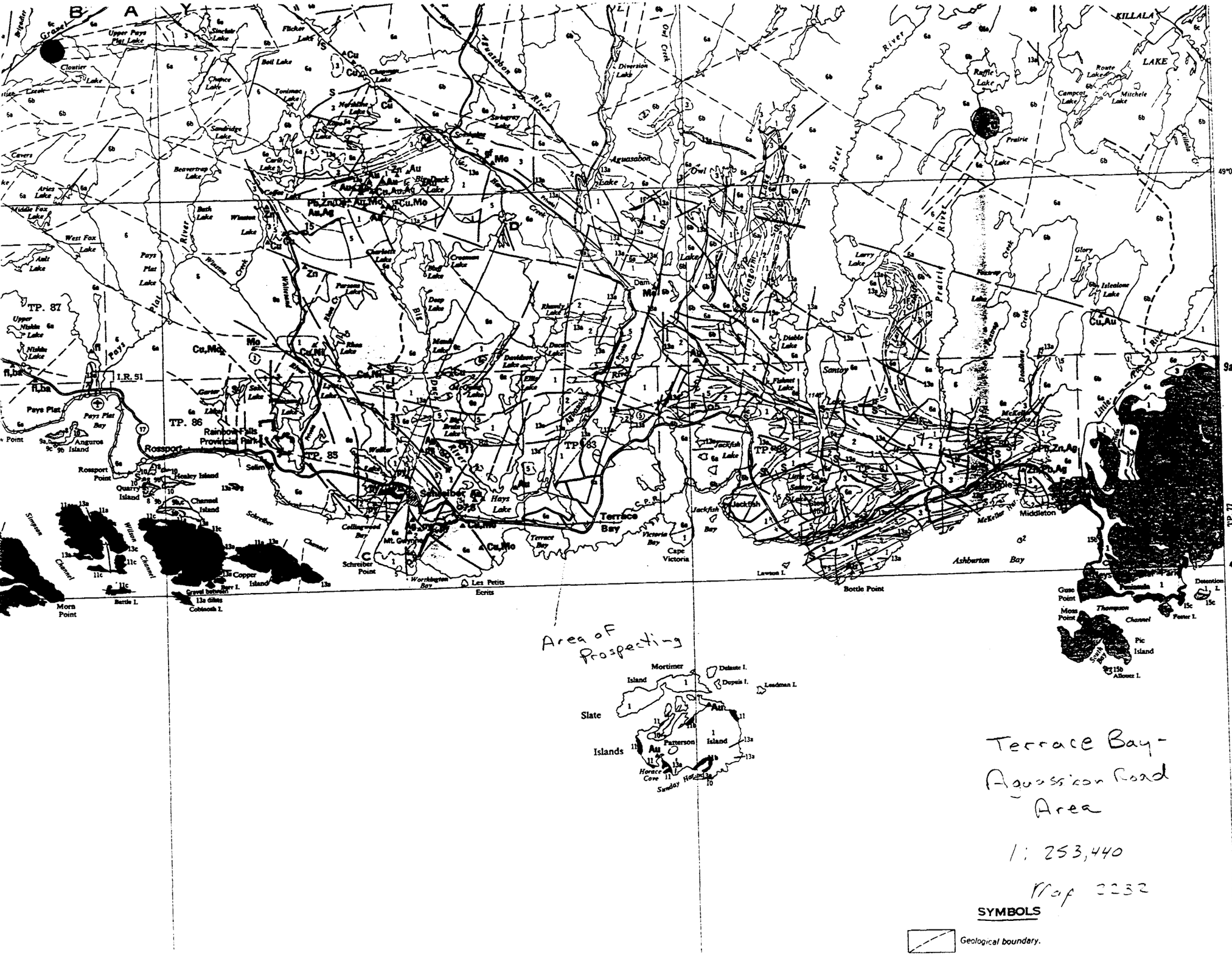
Prospecting Program

The program consisted of 1 day of road side outcrop examination and stripping. The outcrops ranged from sheared basalts

to granite. Only one sample was taken for assaying. The sheared basalt contained approximately 1% pyrite and returned 140 ppm copper and 100 ppm zinc.

Recommendations

Further work should be completed to evaluate the gold and base metal potential east and west of the road.



LATE PRECAMBRIAN

KEWEENAWAN

CARBONATITE-ALKALIC COMPLEXES

- *15a Carbonatite, urtite, ijolite.*
- *15b Nepheline syenite, augite-nepheline syenite, hastingsite-nepheline syenite, augite syenite, augite-oligoclase syenite, trachyte.*
- *15c Nordmarkite.*
- *15d Syenodiorite.*
- *15e Augite syenite (larvikite).*
- *15f Gabbro, olivine gabbro, nepheline-olivine gabbro.*
- *15g Lamprophyre.*

CONTACT INDETERMINATE

LATE FELSIC IGNEOUS ROCKS

- *14 Quartz porphyry, felsite.*

INTRUSIVE CONTACT

LATE MAFIC IGNEOUS ROCKS[a]

- *13a Diabase (dikes), lamprophyre.*
- *13b Gabbro, anorthosiitic gabbro, anorthosite, pyroxenite, peridotite, diorite, granophyre.*

INTRUSIVE CONTACT

OSLER GROUP[b]

- *12 Porphyritic rhyolite or dacite, quartz porphyry, felsite.[c]*
- *11 Unsubdivided.*
- *11c Diabase (sills and flows).*
- *11b Basalt (flows) and minor pyroclastic rocks.*
- *11a Conglomerate, sandstone.*

CONTACT INDETERMINATE

MAFIC IGNEOUS ROCKS[d]

- *10 Diabase (dikes and sheets).*

INTRUSIVE CONTACT

SIBLEY GROUP[b]

- *9 Unsubdivided.*
- *9e Red and purple shale.*
- *9d Chert and stromatolitic rock.*
- *9c Red, sandy and limey sandstone.*
- *9b Sandstone.*
- *9a Conglomerate.*

UNCONFORMITY

MIDDLE PRECAMBRIAN

ANIMIKIE

Rove Formation

- *8 Argillite, shale, greywacke, minor volcanic rocks.*

Gunflint Formation

- *7 Unsubdivided.*
- *7a Upper Gunflint: ferruginous carbonate, chert-carbonate, jasper, argillite-tuff.[e]*
- *7b Lower Gunflint: conglomerate, ferruginous carbonate, chert, algal chert, chert-carbonate, taconite, hematite iron formation, argillite-tuff.[e]*

UNCONFORMITY

EARLY PRECAMBRIAN (ARCHEAN)

FELSIC IGNEOUS AND METAMORPHIC ROCKS

- *6 Unsubdivided.*
- *6a Granite, quartz monzonite, granodiorite, trondhjemite, alaskite, pegmatite, aplite, syenite, monzonite, quartz diorite.*
- *6b Granite gneiss, metasedimentary migmatite, hybrid rocks.*
- *6c Quartz porphyry, quartz-feldspar porphyry, feldspar porphyry.[f]*

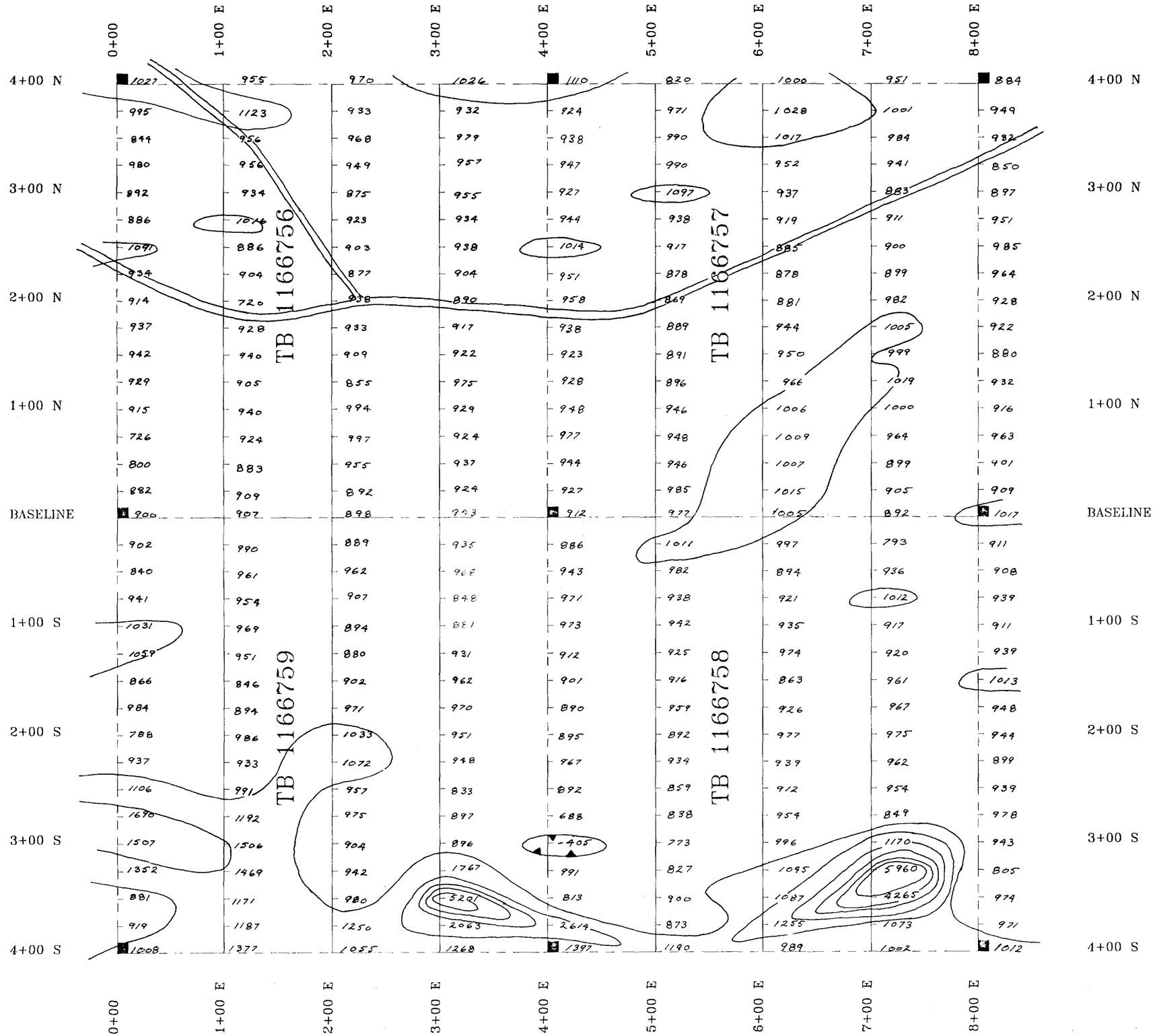
INTRUSIVE CONTACT

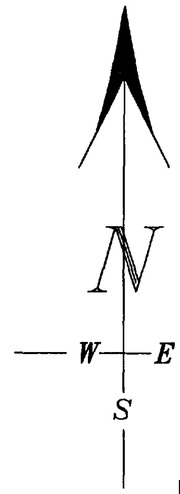
MAFIC AND ULTRAMAFIC IGNEOUS ROCKS

- *5 Metagabbro, serpentinite, hornblendite, amphibolite.*

INTRUSIVE CONTACT

METAVOLCANICS AND METASEDIMENTS





200

LEGEND

GEOPHYSICAL LEGEND

INSTRUMENT: EDA OMNI IV

BASE STATION: EDA OMNI IV

ACCURACY: 0.1 nt (GAMMA)

RECORDER INTERVAL: 10 SECONDS

CONTOUR INTERVAL: VARIES

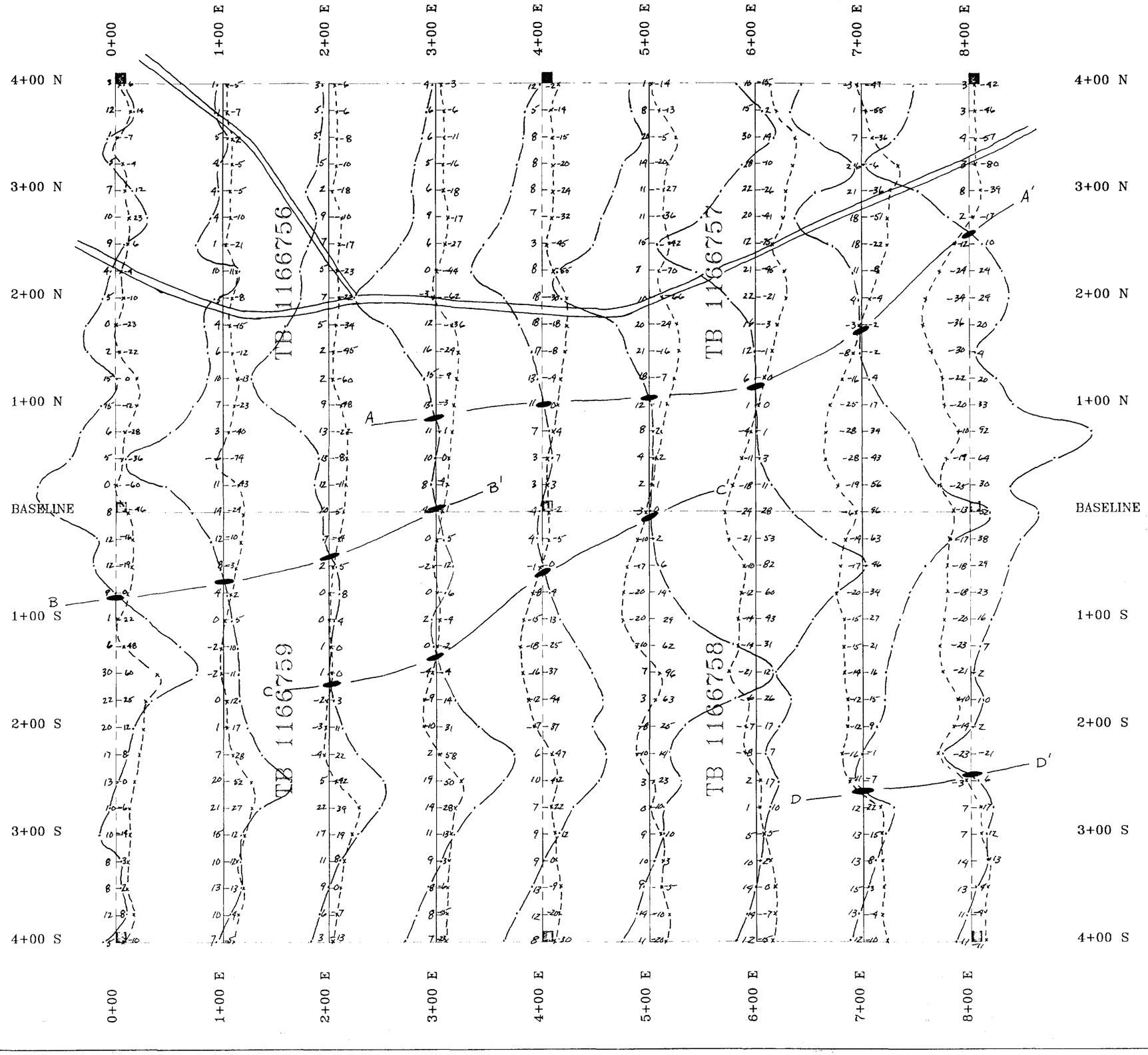
DATUM: 58000 γ

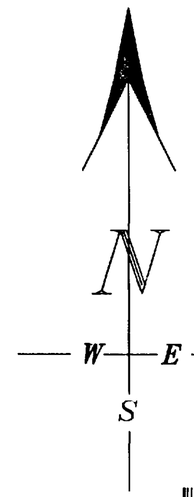
K. SIMARD PROPERTY

MAGNETOMETER SURVEY

SCALE 1:2500 DATE: DECEMBER 1990

PHANTOM EXPLORATION SERVICES LTD.





LEGEND

GEOPHYSICAL LEGEND

INSTRUMENT: EDA OMNIPLUS VLF/MAGNETOMETER

PROFILE SCALE: 1 cm = 20%

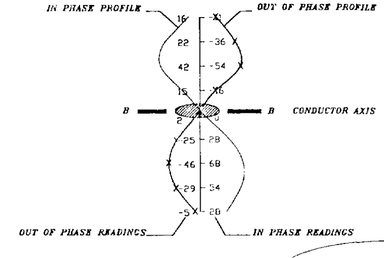
SENSITIVITY: 0.1 GAMMA

POSITIVE READINGS TO THE RIGHT OF LINE

TRANSMITTER STATION: CUTLER, MAINE

CONDUCTOR AXIS: A

ROAD:



K. SIMARD PROPERTY

VLF-EM PROFILES

SCALE 1:2500 DATE: DECEMBER 1990

PHANTOM EXPLORATION SERVICES LTD.