



42B01SE0054 2.5107 HORWOOD

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GEOLOGY ASSESSMENT REPORT
RAISE CONTRACTING
HORWOOD LAKE CLAIM GROUP
HORWOOD TOWNSHIP
PORCUPINE MINING DIVISION
DISTRICT OF SUDBURY

RECEIVED
OCT 12 1982
MINING LANDS SECTION

GEOLOGY ASSESSMENT REPORT
RAISE CONTRACTING
HORWOOD LAKE CLAIM GROUP
HORWOOD TOWNSHIP
PORCUPINE MINING DIVISION
DISTRICT OF SUDBURY

Total of twenty unpatented contiguous mining claims.

Assessment work on claims P-516058, P-516059, P-536980, P-536981.

Remaining claims in group are P-516059, P-516060, P-516061, P-536982,
P-536983, P-536984, P-651230, P-651231, P-651232, P-651233,
P-652789, P-652790, P-652791, P-652792, P-652793, P-652794.

Holder of property:

Raise Contracting
Box 310
#9 Roddie Road
Elliot Lake
Ontario
P5A 2J8

Assessment work submitted by:

Ingemar Explorations Limited
Cedar Hill
Connaught
Ontario
PON 1A0

Dates of mapping and stripping in 1982:

June 20 to June 29 inclusive
July 25 to August 1 inclusive



42B01SE0054 2.5107 HORWOOD

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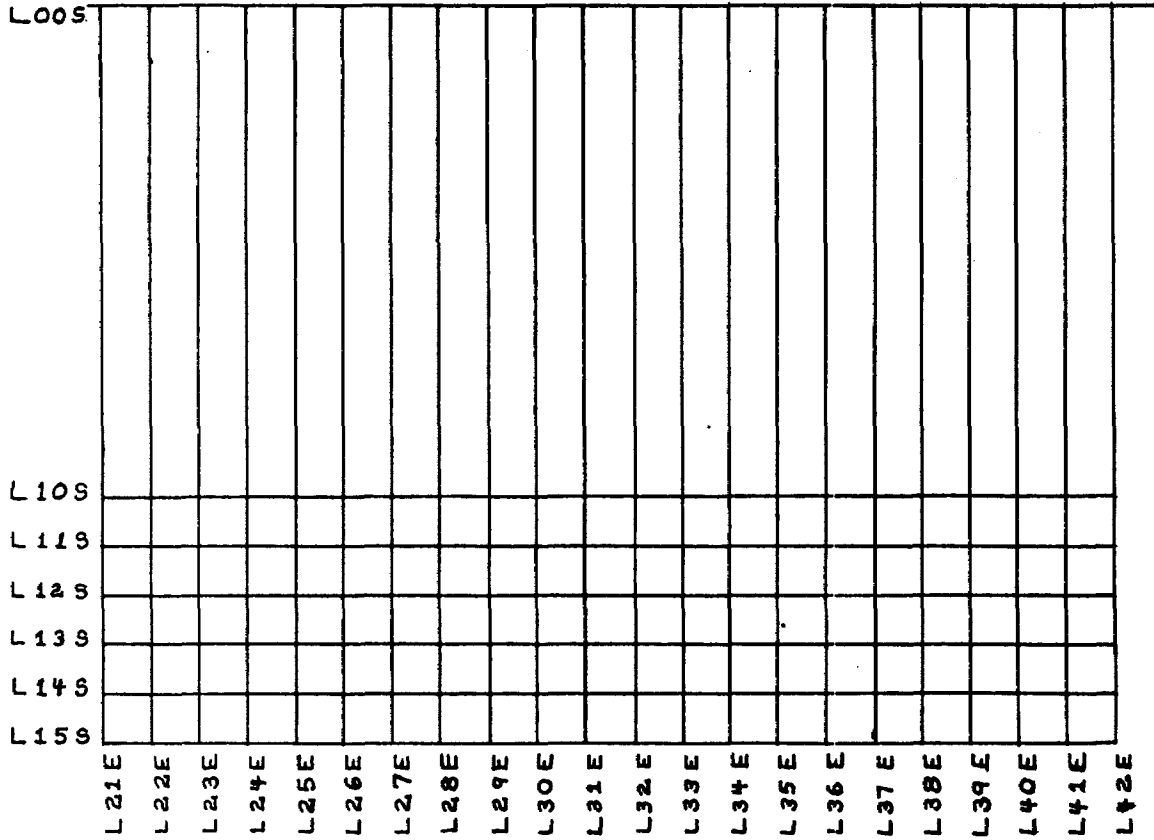
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INTRODUCTION

Raise Contracting holds twenty unpatented contiguous mining claims on Horwood Lake, in Horwood Township, about 65 miles west of Timmins. Previous work by this company included a V.L.F. electromagnetic survey and a magnetometer survey conducted by M.P.H. Consulting Limited during the months of March and April in 1980.

Current work during June, July and August, 1982, included an estimated 3,500 square feet of stripping and an estimated 1,000 cubic feet of trenching on the Inlet Showing (claims P-536980, P-536981), and an estimated 45 square feet of stripping on the Main Showing (claims P-516058, P-516059). Detail geological mapping was conducted on claims P-536980, P-536981. Sufficient quartz and quartz-carbonate veining was uncovered to encourage a continuing interest in maintaining this claim group.

To accomplish the detail geological mapping a new line grid was cut on claims P-536980 and P-536981, totalling 8.06 line-miles. A sketch of the new grid follows on the next page.



LINE SKETCH OF NEW GRID 1982

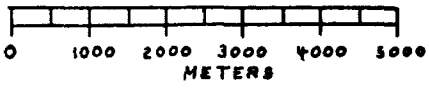
LOCATION OF PROPERTY AND MEANS OF ACCESS

The property on Horwood Lake is located in north-central Horwood Township about 65 miles west of Timmins. The claims are located on the north-west corner of the Horwood Lake Peninsula, about 8 miles south of the public landing on the north shore of Horwood Lake. The claims are south of East Marsh Island and include Blueberry Island, as indicated on the accompanying map.

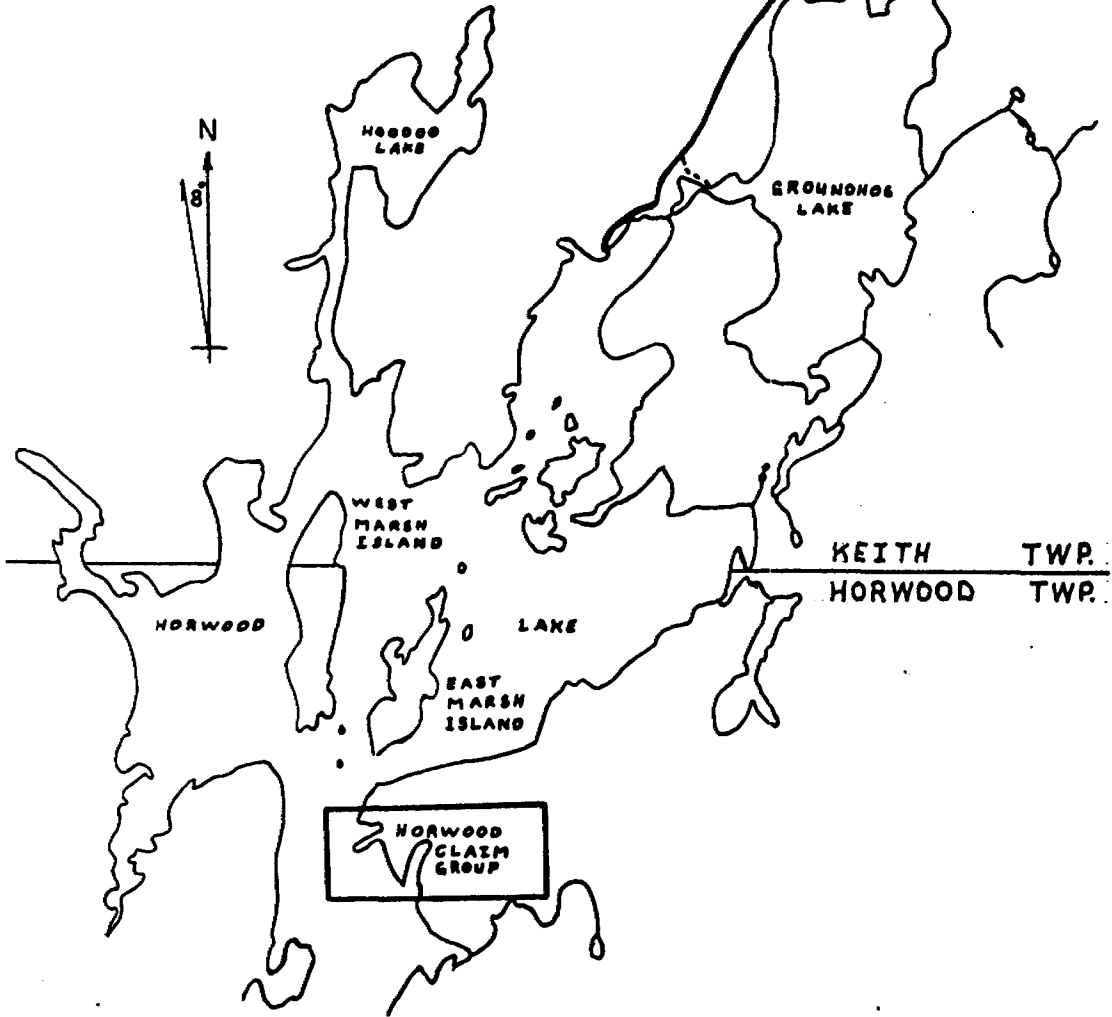
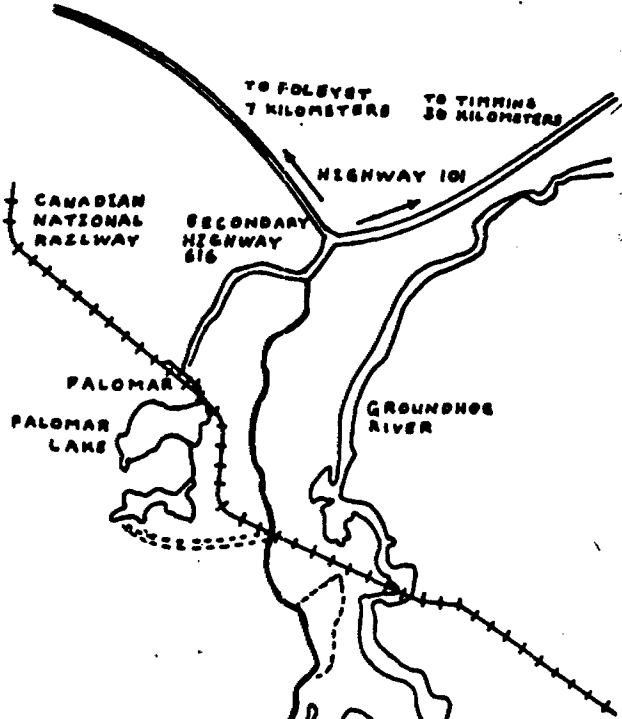
To arrive at the property, follow Highway 101 west from Timmins for 42 miles and turn south on the Secondary Highway 616 which you follow for ten miles to the gravel access road which leads to the public landing on the north shore of Horwood Lake. This access road is maintained by the Ontario Department of Natural Resources. Travel south by boat from the landing for approximately 8 miles.

**RAISE CONTRACTING
HORWOOD CLAIM GROUP
LOCATION AND ACCESS**

REFERENCE: PROVINCIAL SERIES
FOLBYET
N.T.S. 428/82
SCALE: 1:100,000



SCALE: 1:100,000



GENERAL GEOLOGY

This property exists within a conspicuous narrowing of the Swayze Greenstone Belt. The bed rock is predominantly composed of massive or pillowed flows of intermediate to mafic volcanics that are Archean in age. Mafic volcanics are most common with subordinate exposures of felsic massive flows and felsic tuff. These rocks have been intruded by pre-tectonic mafic and ultramafic plutons believed to be associated with early mafic volcanism. All rocks have been metamorphosed to the greenschist facies.

Numerous late aplite dikes and feldspar porphyry dikes appear as a hypabyssal phase of the early trondhjemite plutonic complexes of the Kenoran Erogeny.

All earlier rocks are cut by north-east and north-west trending diabase dikes of the Late Precambrian (Proterozoic) Abitibi swarm.

The major structure is an anticline trending north-east and south-west, with a younger east-west foliation imposed upon it. The centre of the Horwood property is cut by the axis of this anticline.

The south-east part of the property is directly underlain by a part of the Horwood Peninsula Pluton (biotite-hornblende quartz diorite) and the adjacent mafic intrusion (metagabbro). Diabase dikes trend north-west, following closely the strike of the volcanic flows. Pillow measurements indicate that flows strike to the north-west with tops to the south-west.

Lack of detail geophysical information over the mapped area, accompanied by large areas of overburden, and the amount of stripping required on large outcrop areas, limit the assumed projection of dikes, faults, and flow structures.

The overburden consists mainly of Pleistocene glacial deposits of boulder till, and recent organic swamp deposits.

PRINCIPAL ROCK TYPES

MAFIC TO INTERMEDIATE METAVOLCANICS

BASALT:

A massive variety was found in the south-east corner of the mapped area. The weathered surface was notably black. The fresh surface was black, fine grained, and filled with disseminated sulphides. The non-magnetic character differentiates it from the fine grain diabase.

ANDESITE:

The main rock type within the mapped area. Weathered surfaces are dull green to black-green, and on scratching leave a soft blue-green powder. Fresh faces show an aphanitic to fine grain surface with a sub-diabasic texture or a swirly texture indicative of fast cooling. Flows may be massive or pillowed. Exposures are commonly carbonated, and in the north-east corner of the mapped area, along the scarp top, are inundated with brownish carbonate. Sulphide content is not notable, except locally, where it may amount to one per cent of the rock volume. Flow strike is generally to the north-west with pillow tops to the south-west.

Andesite pillow tuff occurs locally. A fresh surface is light to medium grey and is of fine grain. Pyrite occurs as blebs and as disseminations with disseminated chalcopyrite in a highly carbonated matrix.

FELSIC VOLCANICS

DACITE:

An exposure of massive dacite occurs on line 22+00E at 10+10S. The weathered surface is soft and chalky with a brownish hue. The fresh surface is fine grain and medium grey in colour.

South of this exposure, a bed of dacite banded tuff was recognized and traced for over 200 feet. The over-all strike is north-west. The band occurs as three different units as described below, going in order from south to north.

- (a) Massive appearance on a weathered surface. Large ($\frac{1}{2}$ inch) white aphanitic bands, broken in an angular manner, with distinct to indistinct edges, are supported in a light grey aphanitic matrix.
- (b) Massive appearance on weathered surface. Fresh surface is aphanitic with a medium grey colour.
- (c) Finely banded surface on weathered surface. On a fresh surface, light green-grey bands alternate with medium green-grey bands. Texture is fine grain with distinct to indistinct, angular to sub-angular, fragments ranging in size up to 1 millimeter.

RHYOLITE:

Massive rhyolite with a light grey aphanitic matrix occurs in the area of the Inlet Showing. The weathered surface is chalky white in colour. The flows trend north-west and alternate with both pillowed and massive andesites.

EARLY FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

FELDSPAR PORPHYRY DIKE:

Located at 23+20E, 6+00S. The trend of the outcrop is 45°. A fresh surface displays crystals and blotches of feldspar up to 2 millimeters in size, supported in a medium grey aphanitic matrix.

LATE FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

HORNBLLENDE-FELDSPAR PORPHYRY DIKE:

Located at 22+40E, 13+90S. Discrete laths of hornblende and white feldspar in a fine grain, medium grey matrix.

HORNBLLENDE PORPHYRY DIKE:

Located at 21+15E, 14+00S. Crystal laths of hornblende up to 5 millimeters long by 2 millimeters wide are suspended in a fine grain, medium grey matrix. The hornblende crystals stand out as raised phenocrysts on the chalky buff weathered surface.

BIOTITE-FELDSPAR PORPHYRY DIKE:

Located at 23+50E, 11+70S. The phenocrysts of greenish feldspars are found to weather to a reddish colour on broken surfaces within the matrix, but are not visible on the weathered surface. The flakes of mica, seen most clearly on a fresh surface, are black and shiny. The fine grain matrix is of medium grey colour with a distinctive pinkish hue. The dike contact strikes 350°.

APLITE DIKE:

Located at 21+70E, 11+00S. A small irregular dike up to 2 inches wide and extending for about 50 feet in an easterly direction. The weathered surface is smooth, soft, and dun brown in colour. The fresh surface is very fine grain with a sugary texture. Pin-point black phenocrysts may be discerned in a pale grey matrix. Pyrite occurs as smears up to 2 inches in diameter. The dike is very rusty through-out.

MAFIC INTRUSIVE ROCKS**OLIVINE DIABASE DIKES (Abitibi-type):**

The weathered surface is soft and medium brown in colour. The fresh surface is dark grey, and medium grain with a diabasic texture. The dikes will attract a compass at close range. The over-all trend is about north-west, roughly corresponding to the strike of the volcanic flows.

CHARACTERISTICS AND DIMENSIONS OF VEINS AND MINERALIZED ZONES

MAIN SHOWING:

Located on a small island east of Blueberry Island, within claims P-516058 and P-516059. The host rock is a carbonated volcanic of dioritic composition. The strike of the quartz-carbonate veins is east-west to north-west. A chlorite shear zone striking north-east enclosed two quartz-carbonate veins with a gossan zone. The wall rock is highly carbonated. Previous drilling by Kerr Addison Mines indicated a gold bearing zone 500 feet long by 4 feet wide with an average assay value of 0.204 ounces of gold per ton. The full extent of the zone is not known. It is similar in type to the Inlet Showing and to the Stack Vein.

INLET SHOWING:

The vein starts at about 20+70E, 14+25S, and extends in a south-east direction for 170 feet to about 22+00E, 15+00S. At this point it disappears underground, reappearing on the side of a hill at about 23+20E, 15+85S, giving an approximate over-all length of 300 feet. The width of the vein varies from 2 inches to 4 inches, with an over-all average width of 3 inches. The vein is sugary, highly striated with rust, and contains pyrite, chalcopyrite, bornite, malachite, and gold values.

STACK VEIN:

In the north-east corner of the property on claim P-651230, a wide gossan zone encloses a quartz-carbonate vein trending north-west for over 200 feet, and varying between 4 inches and 36 inches in width. The quartz is solid and milky in character with heavy rust in the fractures. Pyrite, pyrrhotite, and chalcopyrite have been noted in the showing, and gold in the assay results.

SMALL SHOWING:

Located at 29+25E, 5+40S. An area about 5 feet in diameter directly above the fault scarp is heavily inundated with quartz-carbonate veins and gossan. The host rock is a massive andesite altered entirely to chlorite and highly carbonated. Other quartz veins are found filling joints in the andesite 100 feet north of this showing, overlooking the fault scarp. All of the outcrop forming the fault scarp and "east" boundary of this outcrop area are inundated with a soft brownish carbonate. The down-throw side is overlain with fallen trees and swamp.

VEIN 22+50E, 12+50S:

Two highly carbonated quartz veins up to $\frac{1}{2}$ inch wide strike 296°. Host rock is a massive andesite containing minor disseminated pyrite.

VEIN 23+60E, 13+95S:

Host rock is a highly chloritized and carbonated andesite pillow lava. Small vein of massive white quartz striking 280°.

VEIN 22+80E, 13+05S:

Distinct quartz lense measuring 8 inches by 3 inches in highly carbonated andesite pillow lava displaying a gossan zone.

VEIN 29+60E, 4+40S:

Quartz stringer, $\frac{1}{2}$ inch wide, in a joint striking 58°. Host rock is andesite pillow lava inundated with brownish carbonate.

STRIKE OF FLOWS:

Repeated measurements of flow contacts indicate a north-west strike through-out the mapped area.

PILLOW TOPS:

Measurements on pillow tops were taken whenever the pillow shape suggested a reliable top. Such measurements indicate a flow strike to the north-west with flow tops to the south-west.

FELSIC INTRUSIVE DIKES:

These dikes do not exceed ten feet in width and strike essentially due north.

DIABASE DIKES:

These dikes do not exceed 100 feet in width, may extend up to 300 feet in length, and strike approximately north-west, sub-parallel to the strike of the volcanic flows.

MAJOR FAULTING:

Faults are inclined to be in two directions: those striking north-west sub-parallel to the flow contacts, and those striking about north-east across the flow contacts. These faults are vertical or steeply dipping to the north or south. Large outcrop areas are faulted from both directions, thus raising vertical or steeply dipping fault scarps facing the north and east, with the outcrop area dipping gently away to the south and south-west.

In the south side of the map area, a third direction of faulting strikes east-west. These faults are almost vertical, dipping steeply to the south or north.

ANTICLINAL STRUCTURE:

The axis of a regional anticlinal structure trending north-east has been projected as passing through the centre of the Horwood claim group.

SCHISTOCITY:

A younger schistosity striking in an east-west direction, has been imposed on the anticlinal structure.

Zones of notable shearing, except as particularly noted, have not been observed within the mapped area.

SUMMARY OF EXPLORATION AND DEVELOPEMENT

1949-1959 J.E. LEFEVER:

Thirty-two x-ray diamond drill holes were put down, averaging 80 feet per hole and totalling 2389 feet in all. The positions of these holes have been located as follows:

Main Showing - Twenty-three holes on claims P-516058 (south part), P-516059 (north part), and P-536984 (south-west corner).

Horwood Lake - Six holes on claims P-619217 and P-619218.

Inlet Showing - 1957-1959 - Four holes on P-516058 and P-516059.

1958 - One hole on claim P-510658, for 103 feet.

The only recorded diamond drill hole assay was made on a hole on claim P-516058. The gold values indicated 0.51 ounces per ton in the core and 0.22 ounces per ton in the sludge. An unspecified assay indicated a gold content of 0.035 ounces per ton.

1960 KERR ADDISON LIMITED

The property was optioned from Lefever. In 1958, a grab sample was reported to carry 5.46 ounces per ton of gold. Consequently a diamond drill program and magnetometer survey were conducted on the main showing. Seven holes, totalling 3,026 feet, were drilled over a 500 foot strike length. A sheared diorite was located containing a narrow zone of gold and sulphide in quartz-carbonate stringers and veins.

A small magnetometer anomaly south-west of the main showing was drilled, disclosing a magnetite-bearing diorite.

The Stack vein, located on claim P-536982, was explored with three diamond drill holes, disclosing a diorite containing minor sulphides in quartz-carbonate stringers. One sample with heavy sulphides assayed 0.38 ounces per ton of gold. The best assay indicated 0.67 ounces per ton of gold over 1 inch.

1972 NORANDA EXPLORATION COMPANY LIMITED

Two geophysical surveys were conducted using a fluxgate magnetometer and a M^cphar ss-15 vertical loop electromagnetometer. The magnetometer survey located diabase dikes and confirmed the east-west trend of the structure. Two E.M. anomalies were detected, one north-west of Blueberry Island, and the other south of Blueberry Island.

1980 M.P.H. CONSULTING LIMITED

Working on behalf of Ingamar Explorations Limited, a V.L.F. electromagnetic survey and a Proton magnetometer survey were conducted. Ten V.L.F. conductors were delineated, one of which coincided with a magnetometer anomaly. A magnetic low was detected near the main showing, and a second near the "H" V.L.F. conductor.

BIBLIOGRAPHY

Breaks F.W.

1978: Geology of the Horwood Lake Area;
Ontario Geological Survey, Report 169.

Derry, Michener, Booth and Wahl

1982: Report on the Sandy K. Mines Limited Gowganda Area
and Horwood Lake Properties;
Unpublished report.

M.P.H. Consulting Limited

1980: Geophysical Report on Horwood Lake Area,
District of Sudbury
for Ingemar Explorations Limited;
Unpublished report.

QUALIFICATIONS OF GEOLOGIST

Diploma in Mining Technology from Haileybury School of Mines, Haileybury, Ontario. Four continuous years of exploration field mapping of geology in the Timmins area, with an additional two summers of similar work in the Kirkland Lake and Timmins areas.

John C. Scott

LEGEND

CENOZOIC

QUATERNARY

RECENT

Unconsolidated lake, stream, and swamp deposits.

PLEISTOCENE

Unconsolidated glacial drift, sand, gravel, boulders.

UNCONFORMITY

PRECAMBRIAN


PROTEROZOIC (Middle to Late Precambrian)


MAFIC INTRUSIVE ROCKS


 9a Olivine diabase dike (Abitibi-type).

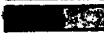
INTRUSIVE CONTACT

LATE FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

 7c Biotite-feldspar porphyry dike.

 7e Aplite dike.

 7h Hornblende porphyry dike.

 7k Hornblende-feldspar porphyry dike.


EARLY FELSIC TO INTERMEDIATE INTRUSIVE ROCKS

 6e Feldspar porphyry dike.

INTRUSIVE CONTACT

FELSIC TO INTERMEDIATE VOLCANICS

 2R Rhyolite.







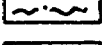
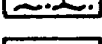


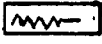


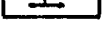


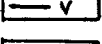

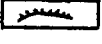
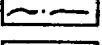

 2D Dacite.

MAFIC TO INTERMEDIATE METAVOLCANICS

 1A Andesite.

 1B Basalt.

SYMBOLS

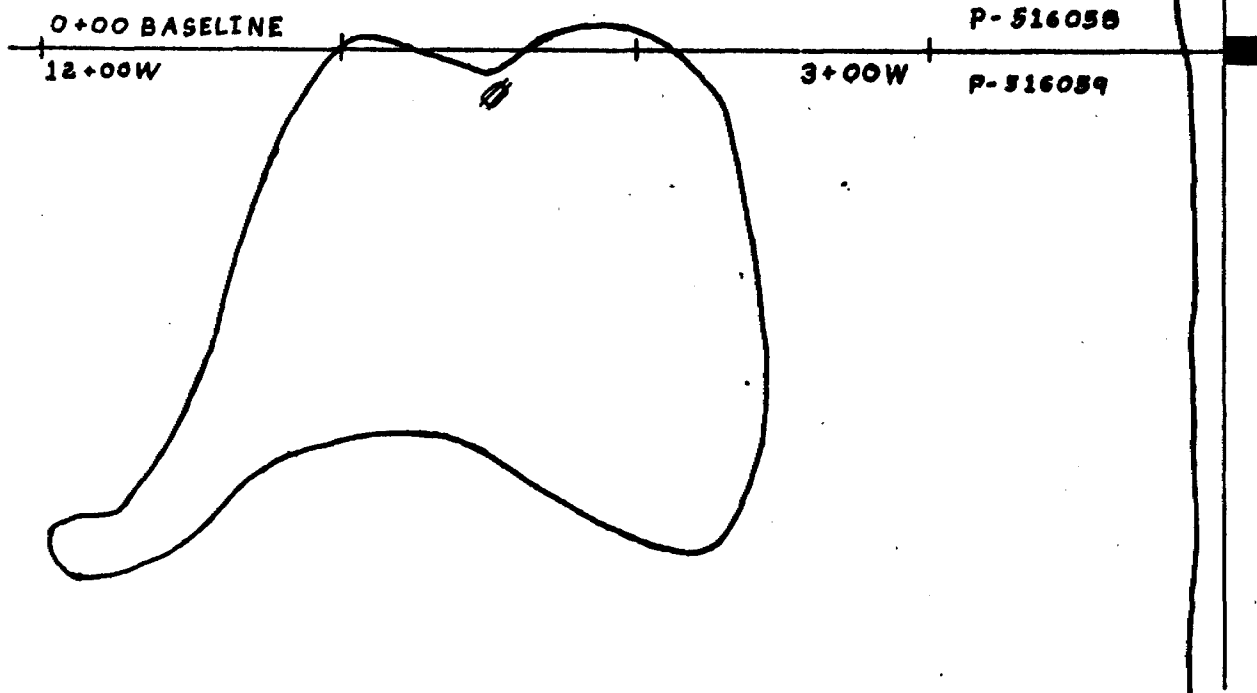
	Outcrop
	Suboutcrop
	Trend Of Outcrop
	Trend Of Face
	Geological Contact
	Assumed Geological Contact
	Flow Contact
	Flow Contact With Top
	Flow Contact With Dip
	Pillow Strike And Top
	Fault With Known Dip
	Fault With Unknown Dip
	Joint With Known Dip
	Joint With Unknown Dip
	Pit Or Trench
	Pit Or Trench
	Vein
	Small Dike
	Swamp
	Swamp Boundary
	Creek

ABBREVIATIONS

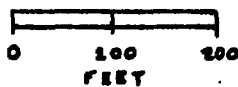
M	Massive
P	Pillow
T	Tuff
P	Porphyry
G	Gossan
GV	Gossan Vein
CV	Carbonate Vein
QV	Quartz Vein
Q-CV	Quartz-Carbonate Vein
CC	Carbonated
HC	Highly Carbonated
Ch	Chloritized
HCh	Highly Chloritized
HQ	Highly Silicified
Ag	Silver
Au	Gold
bo	Bornite
cp	Chalcopyrite
gn	Galena
po	Pyrrhotite
s	Sulphide

LINE 0+00W

RAISE CONTRACTING
HORWOOD LAKE GROUP
HORWOOD TOWNSHIP
MAIN SHOWING



New showing on island. Chlorite
shear with gossan and quartz-
carbonate veins which strike
N 45° E. Host rock is highly
carbonated andesite.
Strip area 4 x 25 feet.



John C. Scott



Ministry of Natural Resources

Horwood Twp.

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

P-516058



42B01SE0054 2.5107 HORWOOD

900

W P 2 06 2 90

The Mining

Type of Survey(s) <i>Geological</i>		Township or Area <i>Horwood</i>	
Claim Holder(s) <i>A. Martin</i>		Prospector's Licence No. <i>D-15098</i>	
Address <i>Hammins Ont</i>			
Survey Company <i>Injanna Explorations</i>		Date of Survey (from & to) <i>17 6 82 13 8 82</i>	
Name and Address of Author (of Geo. Technical report) <i>John Scott MacIntosh</i>		Total Miles of line Cut <i>8.5</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	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	<i>40</i>
	Geochemical	
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>P</i>	<i>536983</i>				
	<i>536982</i>				
	<i>536981</i>				
	<i>536980</i>				
	<i>536979</i>				
	<i>536984</i>				
	<i>516058</i>				

RECEIVED

AUG 31 1982

MINING LANDS SECTION

RECORDED
AUG 13 1982
Receipt No.

See Revised Statement

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

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.

Total number of mining claims covered by this report of work. **7**

Date: *Aug 13/82* Recorded Holder or Agent (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded *280* Date Recorded *Aug. 13/82* Mining Recorder *[Signature]*

Date Approved as Recorded *[Signature]* Regional Mining Recorder

Certification Verifying Report of Work

I hereby certify that I have 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 *M. AUG 13 1982 [Signature] [Address]*

Date Certified *Aug 13/82* Certified By (Signature) *[Signature]*



Recorded Holder	A. MARTIN
Township or Area	HORWOOD TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ 20 _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	P 536980 - 81

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

<input type="checkbox"/> not sufficiently covered by the survey	<input checked="" type="checkbox"/> Insufficient technical data filed
---	---

P 536979
 536982-83-84
 516058

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:



Jan 24/83

Mining Lands Comments

- Report not signed ✓

To: Geophysics

Comments

Approved Wish to see again with corrections Date Signature

To: Geology - Expenditures *W/E Kustra*

Comments

Approved Wish to see again with corrections Date *Jan 31/83* Signature *C Kustra*

To: Geochemistry

Comments

CD

Approved Wish to see again with corrections Date Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

P

2.

536983

0

982

0

981

1/2

980

1/2

979

0

984

0

516058

0

1982 10 25

2.5107

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geological Survey submitted under Man Days (credit for Performance and Coverage) on Mining Claims P 536983 et al in the Township of Horwood.

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

Yours very truly

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

DW:sc

cc: Ingamar Explorations Limited
Timmins, Ontario

May 25, 1983

2.5107

Ingamar Explorations Limited
362 Seventh Avenue
Timmins, Ontario

Dear Sirs:

RE: Geological Survey submitted on Mining Claims
P516058, 536980-1 et al in the Township of
Harewood

The manner in which you conducted a geological survey of Mining Claims P 516058 et al does not qualify for work credits under the Special Provisions method as only portions of the claims were traversed. Please therefore, provide a man-days breakdown listing the names and addresses of the employees and the dates that each man worked on the various phases of the survey. The survey will then be assessed under the provisions of sub-sections (11) and (14) of Section 77 of the Mining Act. R.S.O. 1980.

For further information, please contact Mr. F.W. Matthews at 416/965-1280.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

D. Kinvig:md

cc: Mining Recorder
Timmins, Ontario

REGISTERED

August 11, 1983

2.5107

Ingamar Explorations Ltd.
362 Seventh Avenue
Timmins, Ontario
P4N 5R1

Dear Sir:

Re: Geological Survey submitted on Mining Claims #516058 et al
in the Township of Horwood

Enclosed is a copy of our letter dated May 25, 1983, requesting
additional information for the above mentioned survey.

Unless you can provide the required data by August 22, 1983 the
mining recorder will be directed to cancel the work credits re-
corded on August 13, 1982.

For further information, please contact Mr. F. W. Matthews at
416/965-1380.

Yours very truly,

E. F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

S. Hurst/ms

Encl.

cc: Mining Recorder
Timmins

REGISTERED

September 2, 1983

2.5107

Ingamar Explorations Ltd
Cedar Hill
Connaught, Ontario
PON 1A0

Dear Sir:

RE: Geological Survey submitted on Mining Claims P 516058
et al in the Township of Horwood

Enclosed is a copy of our letter dated May 25, 1983, requesting additional information for the above-mentioned survey.

Unless you can provide the required data by September 19, 1983 the mining recorder will be directed to cancel the work credits recorded on August 13, 1982.

For further information, please contact Mr. F.W. Matthews at (416)965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-1380

S. Hurst:mc

cc: Mining Recorder
Timmins, Ontario

cc: Mr. A. Martin
R.R.#1
Dalton Road
Timmins, Ontario
P4N 7C2

Encl.

2.5107

1984 02 28

Your File: 2.5107

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geological Survey submitted on Mining
Claims P 516058, 536980-1 et al in the
Township of Horwood.

The Geological Survey assessment work credits as listed with my Notice of Intent dated January 27, 1984 have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

R. Pichette:sc

cc: Mr. A. Martin
R.R. #1 - Dalton Road
Timmins, Ontario
P4N 7C2

cc: Resident Geologist
Timmins, Ont

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



INGAMAR EXPLORATIONS LIMITED

362 SEVENTH AVENUE TIMMINS, ONTARIO

TEL.: AREA CODE 705 264-0850
264-2443

October 6, 1982

RECEIVED
OCT 12 1982
MINING LANDS SECTION

Ministry of Natural Resources
Whitney Block, Room 6450
Queen's Park
Toronto, ON
M7A 1W3

ATTENTION: E.F. ANDERSON, DIRECTOR

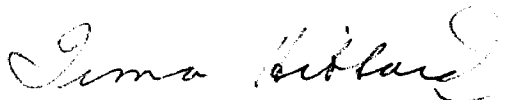
SUBJECT: Geology Assessment Report on Claim Groups in
Horwood Township

Dear Sir:

Enclosed please find Geology Assessment Report and Report of Work.

Thank you.

Sincerely,
INGAMAR EXPLORATIONS LIMITED


Irma Hibbard, Vice-President

IH/ab
Enc.

May 25, 1983

2.5107

Ingamar Explorations Limited
362 Seventh Avenue
Timmins, Ontario

Dear Sirs:

RE: Geological Survey submitted on Mining Claims
P516058, 536980-1 et al in the Township of
Harewood

The manner in which you conducted a geological survey of Mining Claims P 516058 et al does not qualify for work credits under the Special Provisions method as only portions of the claims were traversed. Please therefore, provide a man-days breakdown listing the names and addresses of the employees and the dates that each man worked on the various phases of the survey. The survey will then be assessed under the provisions of sub-sections (11) and (14) of Section 77 of the Mining Act. R.S.O. 1980.

For further information, please contact Mr. F.W. Matthews at 416/965-1280.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

D. Kinvig:md

cc: Mining Recorder
Timmins, Ontario



Ministry of
Natural
Resources

Feb. 13/84

Your file: 290

1984 01 27

Our file: 2.5107

Mr. Bruce Hanley
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

R. Pichette:mc

Encls:

cc: Mr. A. Martin
R.R.#1
Dalton Road
Timmins, Ontario
P4N 7C2

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1984 01 27

2.5107/290

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

KEITH TWP M-962

THE TOWNSHIP OF
OF

HORWOOD

DISTRICT OF
SUDBURY

PORCUPINE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

DISPOSITION OF CROWN LANDS

- PATENT, SURFACE AND MINING RIGHTS ●
- " SURFACE RIGHTS ONLY ○
- " MINING RIGHTS ONLY ◐
- LEASE, SURFACE AND MINING RIGHTS ■
- " SURFACE RIGHTS ONLY ◑
- " MINING RIGHTS ONLY ◒
- LICENCE OF OCCUPATION ▼
- ROADS ————
- IMPROVED ROADS ————
- KING'S HIGHWAYS ————
- RAILWAYS ————
- POWER LINES ————
- MARSH OR MUSKEG ————
- MINES ————
- CANCELLED ————

NOTES

400' Surface Rights Reservation
along the shores of all lakes & rivers

Areas withdrawn from staking under Section

36 of the Mining Act (R.S.O. 1980)

Order No.	File	Date	Disposition
W. 2/82		10/5/82	S.R. & M.R.

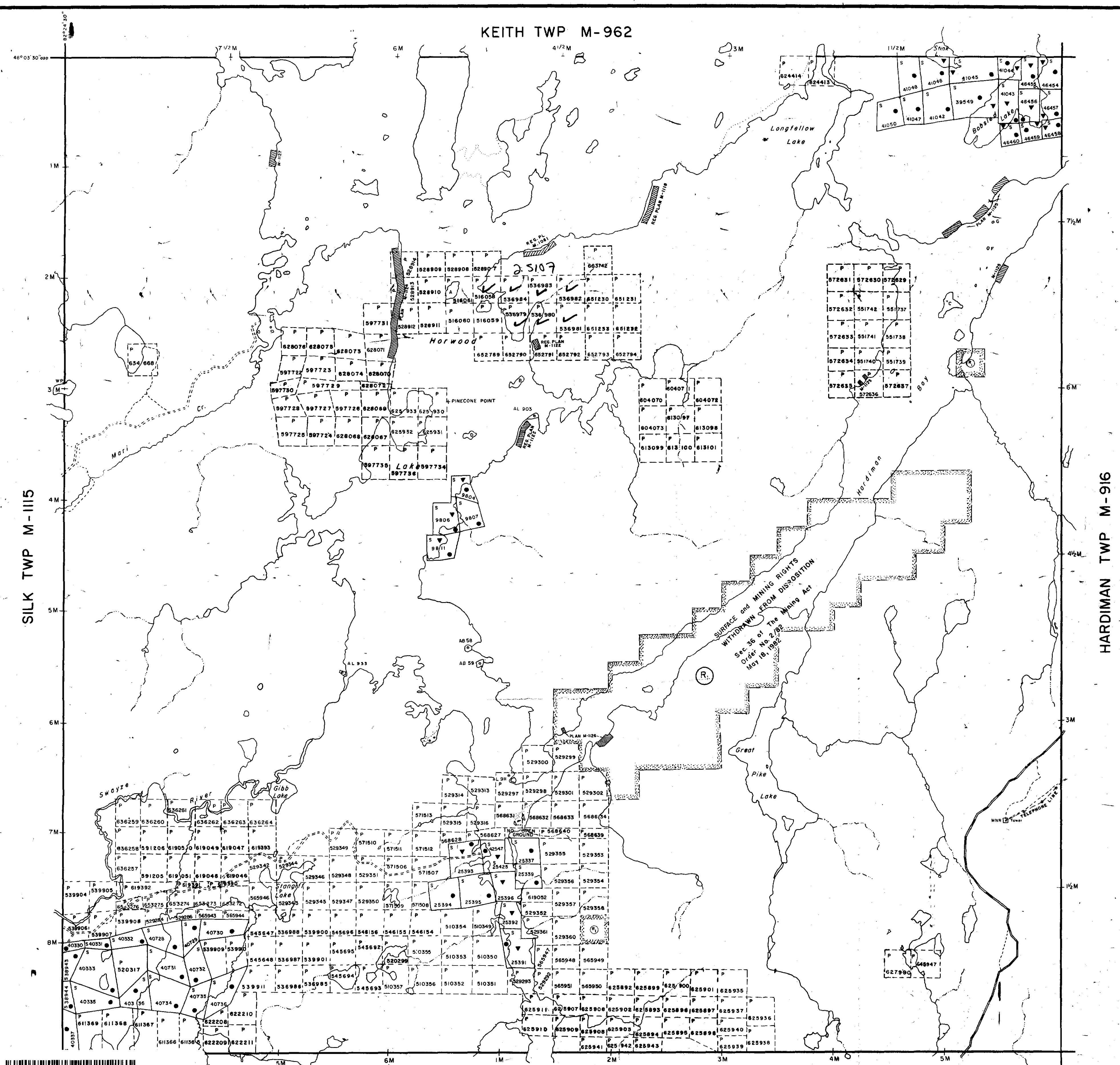
DATE OF ISSUE

FEB - 1 1983

Ministry of Natural Resources
TORONTO

PLAN NO. M-936

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



SILK TWP M-1115

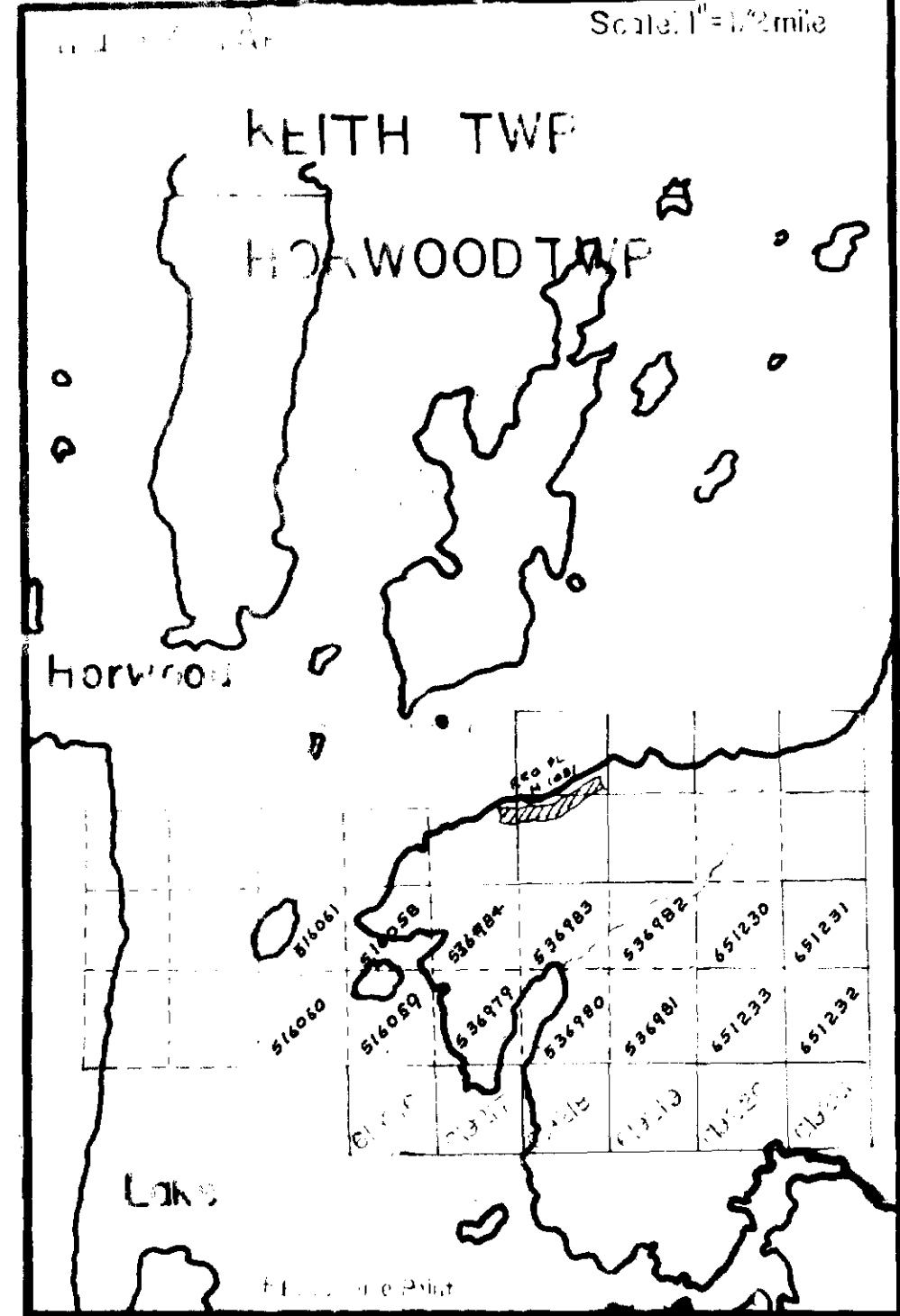
HARDIMAN TWP M-916

TON TWP M-3471

DALE TWP M-2828



HORWOOD LAKE



LEGEND

CENOZOIC
QUATERNARY
 RECENT: L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, L32, L33, L34, L35, L36, L37, L38, L39, L40, L41, L42, L43, L44, L45, L46, L47, L48, L49, L50, L51, L52, L53, L54, L55, L56, L57, L58, L59, L60, L61, L62, L63, L64, L65, L66, L67, L68, L69, L70, L71, L72, L73, L74, L75, L76, L77, L78, L79, L80, L81, L82, L83, L84, L85, L86, L87, L88, L89, L90, L91, L92, L93, L94, L95, L96, L97, L98, L99, L100
 PLEISTOCENE: G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

PRECAMBRIAN
 PROTEROZOIC (Middle to Late Precambrian)
 9a - ? Olona Diabase

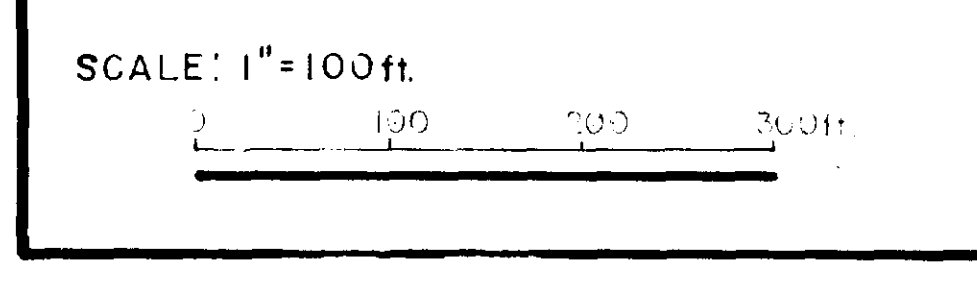
INTRUSIVE CONTACT

ARCHAEN (Early Precambrian)
 7C - FELDSPAR PORPHYRY DIKE
 7E - APLITE
 7H - BORNBLLENDE PORPHYRY DIKE
 7K - HORNBLLENDE - FELDSPAR PORPHYRY DIKE
 6C - FELDSPAR PORPHYRY DIKE

INTRUSIVE CONTACT
 2R - HAYOLITE
 2D - GALETE
 1A - ANDCITE
 1B - BASALT

PROJECT: 81-39
 FOR
RAISE CONTRACTING
 HORWOOD LAKE AREA
 HORWOOD TWP.
 BY
INGAMAR EXPLORATIONS LTD.

DATE: _____ DRAWN BY: J. SALO



John C. Scott



