



52009SE0006 2.12234 TARP LAKE

010

UMEX INC.
GEOLOGICAL ASSESSMENT REPORT
TARP LAKE OPTION
Tarp Lake Area
District of Kenora, Patricia Portion
NTS 52-O-9

RECEIVED
MAR 6 1989
MINING LANDS SECTION

December 28, 1987

David V. Mullen
Consulting Geologist

SUMMARY

During May 1987, a geological mapping survey was conducted over the Tarp Lake property held under option by Umex Inc. from Messrs. Hodge and Best. Outcrop was very scarce occurring in only two limited areas of the swampy property. Using the limited surface exposures and geophysical data, it appears that the northern half of the property is underlain by strongly foliated massive to pillowed iron-rich basalts while the southern half is dominated by less deformed, less magnetic magnesium-rich basalts. Two formational conductive horizons cross the property. The northern conductor is sinistrally offset 760 metres by a north trending fault. Previous drilling by Umex Inc. revealed both conductors to be caused by graphitic sediments and schists. Northwest trending mafic (diabase) dykes are indicated by the magnetic data.

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INTRODUCTION

A geological mapping survey was conducted over the Tarp Lake property by the writer from May 8-18, 1987. Mapping was carried out at 1:4800 scale (1 inch to 400 feet) making use of a 400 foot-spaced line grid (122m) oriented northwest-southeast and picketed every 100 feet (30.5m). All lines were walked where accessible and all outcrops, drill holes and claim posts tied into the grid.

LOCATION, ACCESS and TOPOGRAPHY

The Tarp Lake property is located 18 kilometres north-northwest of Pickle Lake, Ontario and 8 kilometres due north of the old Pickle Crow gold mine (Figure 1). A well maintained gravel road (formerly highway 808) passes within 400 metres of the extreme northwest corner of the property. An old winter drill road 2 kilometres long branches eastward off the main gravel road and crosses the center of the grid. The extreme southeast corner of the grid can be reached by canoe using "Goose Creek" (unofficial name) via the Kawinogans River from July Falls, a distance of approximately 15 kilometres.

The Tarp Lake property is covered by large tracts of spruce-temple and open tamarack swamp with alder and cedar prevalent along the numerous creeks and streams draining the claim block. Two northeast-southwest trending sand ridges (eskers) 1 and 2 kilometres long respectively wind their way across the northern part of the property. A few flat outcrops are found along the shorter ridge. Sandy ridges are found south of "Goose Creek", also associated with an outcrop area. Local relief is less than 10 metres, the highest point on the property is the large outcrop area at L 60N, 46E. Outcrop exposures make up much less than 1% of the surface area of the property.

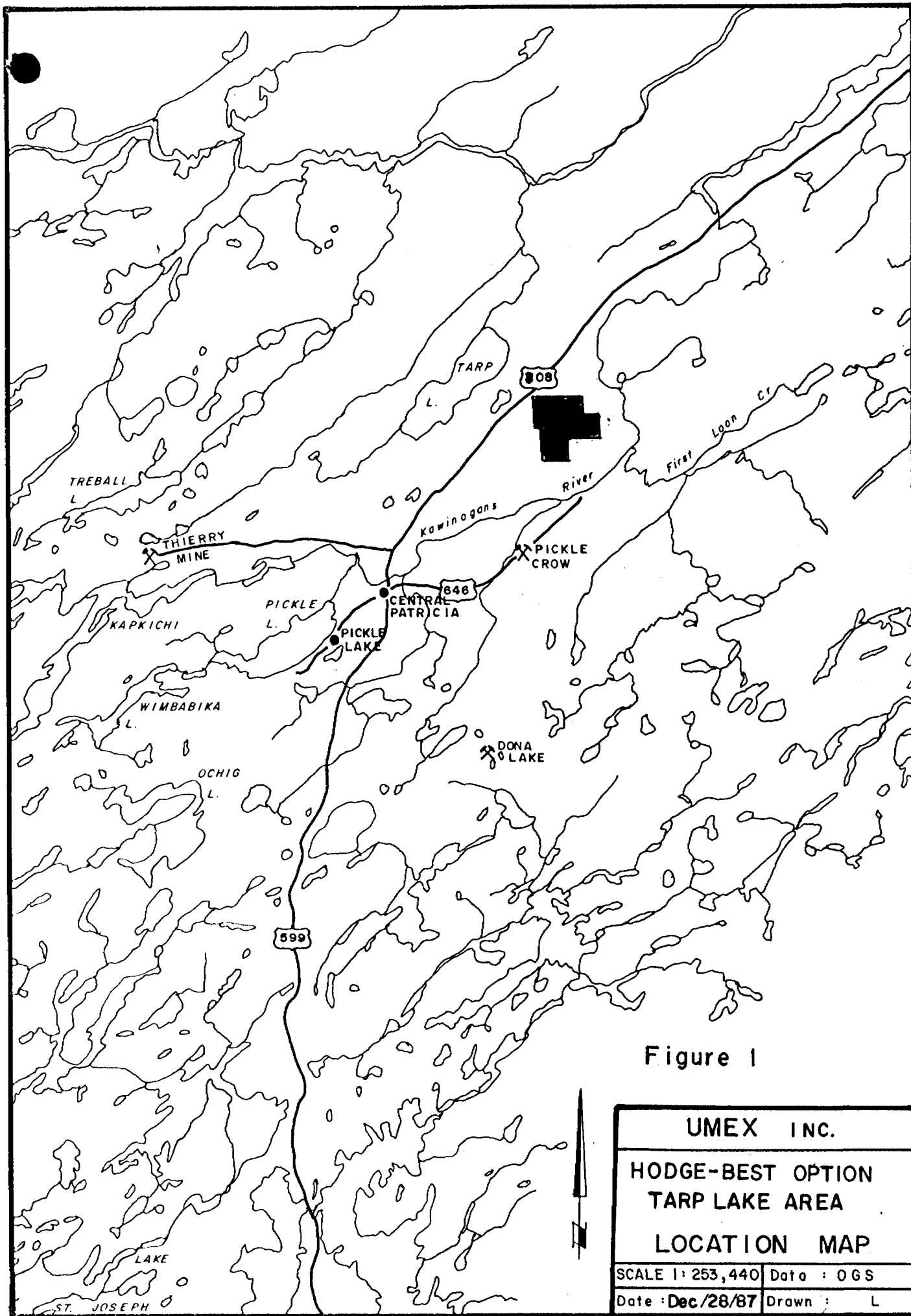


Figure 1

UMEX INC.	
HODGE-BEST OPTION TARP LAKE AREA	
LOCATION MAP	
SCALE 1: 253,440	Data : OGS
Date : Dec/28/87	Drawn : L

Several creeks drain the property. A beaver dam along "Goose Creek" has flooded a large area in the southwest part of the grid. Eastward from L 28N, this creek averages 5 metres in width and cannot be easily crossed. An old beaver dam at 49N, 22E is the only convenient crossing point. Drainage is to the northeast into the Kawinogans River.

CLAIM STATUS

The Tarp Lake property consists of 44 contiguous unpatented mining claims numbered Pa 824133 to Pa 824176 inclusive held under option from Messrs. Hodge and Best. All claims were in good standing as of November 27, 1987.

PREVIOUS WORK

Trenches in overburden in the vicinity of the outcrop areas attests to early prospecting activity on the property although no record exists of who conducted the work. During the early 1970's as part of their Crobie program, Umex Inc. staked several claim blocks in the area following airborne geophysical surveys and conducted ground geophysical surveys. Four holes (C-25, C-109, C-109A, and C-112) were drilled on targets on the currently optioned property although only two penetrated to bedrock. The collar of C-112 was not found but an old helicopter pad indicates its approximate position.

Kerr-Addison Mines drilled a series of 21 overburden holes along the northern claim boundary during 1985. All of these holes were tied into the existing grid.

REGIONAL GEOLOGY

The Tarp Lake property lies along one of several northeast trending lobes of the Pickle Lake greenstone belt (Stott, 1986; Sage and Breaks, 1982). Outcrop is not abundant so much interpretation is based upon airborne geophysical data. Metamorphic grade is middle greenschist facies.

PROPERTY GEOLOGY


Because of the paucity of outcrop little can be said of the geology of the property. The northern outcrop area located between lines 16N and 20N at 2E consists of strongly foliated, partly pillowed dark green mafic volcanics with an unusual intercalated band of felsic(?) "quartz bubble" tuff. The mafic flows are chloritic, weakly bleached and contain disseminations of magnetite. The "quartz bubble" tuff occurs in a zone 30 cm wide and contains elongated pods (30-55cm x 2-3cm) with quartz bubbles to 2mm. These bubbles do not appear to be amygdules since they are not stretched. A strong foliation oriented at 40 degrees and dipping southeast at 80 degrees was observed. The foliation was affected by small dextral faults and kink bands.

The southeastern outcrop area located mainly between Lines 56N and 64N at 46E consists of relatively undeformed northeast striking, northwest facing massive to pillowed light green mafic volcanics intruded by a 3 metre wide northwest trending granular mafic dyke. Thin radial cooling fractures enhanced by weak calcite and epidote alteration were observed. The pillows and a weak foliation dip to the southeast at 60-70 degrees suggesting an overturned sequence. A mineral lineation oriented at 230/40 was noted.

Geophysical surveys suggest that the northern half of the property is underlain by iron-rich basalts (iron tholeiites) which is substantiated by disseminated magnetite observed in the mafic schists. A northeast trending conductive horizon indicated as being caused by graphitic sediments (hole C-109A) flanks the southeast side of the magnetic high (Fe basalts). The conductive horizon and magnetic high appears faulted between Lines 48N and 60N. A sinistral movement of 760 metres is indicated.

Geophysical surveys also suggest that the southern half of the grid is underlain by less magnetic basalts (magnesium tholeiites). The light green colour of the basalts in the southern part confirms this interpretation. Another northeast trending conductive horizon crosses the southeast corner of the property immediately southeast of the main outcrop area. Hole C-25 intersected several bands of acidic volcanic tuff and graphitic schist explaining the conductor.

Magnetic data indicate the presence of three northwest trending mafic (diabase) dykes centered on Lines 32N, 40N and 48N. These dykes could not be traced through the higher magnetic zone in the northern half of the property.



David V. Mullen
Consulting Geologist

REFERENCES

- Sage, R.P. and Breaks, F.W.,
1982: Geology of the Cat Lake-Pickle Lake Area, Districts of Kenora and Thunder Bay; Ontario Geological Survey Report 207, 238p. Accompanied by Map 2218, scale 1:253440 and Charts A, B and C.
- Stott, G.M.,
1986: Regional Geology and Structure of the Pickle Lake Metavolcanic Belt, District of Kenora, Patricia Portion; p.9-14, in Summary of Field Work and Other Activities 1986, by the Ontario Geological Survey, edited by P.C. Thurston, O.L. White, R.B. Barlow, M.E. Cherry, and A.C. Colvine, Ontario Geological Survey Miscellaneous Paper 132, 435 p. Accompanied by 1 chart.
- Unger, D.,
1987: Report on VLF-EM and Magnetometer Surveys on the Hodge-Best Claims, Pickle Lake Area, Ontario, Patricia Mining Division, NTS 52-O-9, Tarp Lake Claim Sheet, Assessment Report.

APPENDIX A
DIAMOND DRILL LOGS
UMEX INC.

UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED
DRILL RECORD.

AREA Crobie (Tarp Lake)

Hole No. C-25

Depth: 704.0

Drilled By: Inspiration

ANOMALY: C739

Bearing and Dip: 60°N 120°E

Started: 2.2.72

Machine: Wire Line

Described By:

CLAIM:

Local Coord. X= 12N Y= 1W Z=

Completed: 12.2.72

Diam Drill: AQ

P. Kennedy

Depth		%	Description & Lithology	Mineralization	Dip	No. of Sample.
From	To	Core				
0.0	50.0		<u>Casing</u>			
50.0	100.0		<u>Volcanic</u> : intermediate, fine grained, grey-green, fair amount of calcite veins @ 0°-40° C.A. (1/8"), faint schistosity in places 45°-55° C.A., odd specks of Pyr, the rock is slightly chloritized.			
100.0	175.0		<u>Volcanic</u> : same as above, calcite veins 10°, 35° C.A. 1/8" & irregular			
175.0	275.0		<u>Volcanic</u> : intermediate, fine grained, grey-green, slightly chloritized, calcite veins 10°, 35°, 45° C.A., about 1/8", 1/4", odd specks of Po & Pyr			
275.0	450.0		<u>Volcanic</u> : fine grained, intermediate, grey-green, calcite stringers @ 0°, 10°, 50° C.A. (1/8"), the rock is chloritized, odd specks of Pyr & Po.			
450.0	500.0		<u>Volcanic</u> : fine-grained, acidic (Dacite), grey, silicic, odd specks of Pyr & Po			
			493.0 - 500.0 very sparse and thin stringers of graphite @ 40° C.A.			
500.0	514.0		<u>Volcanic</u> : (Dacite), fine grained, acidic, grey, same as above.			
			504.6 - 505.3 <u>interbanded volcanic and graphitic schist</u> : contact 30-35° C.A., thin stringers of Pyr & Po @ 30-35° C.A., about 1% sulphides.			

Depth		% of Core	Description & Lithology	Mineralization	Dip	No. of Sample
From	To					
			510.0 - 510.6 same as above			
514.0	525.0		<u>Interbanded Volcanic Tuff & Graphitic Schist: acid volcanic (Dacite) with white feldspar fragments (elliptical and euhedral crystals) (1/8-1/4"), grey-black color, schistosity 20-25° C.A., thin stringers of Po & Pyr @20° C.A. with nodular Po & Pyr, about 3-5% sulphides.</u>			
525.0	550.0		<u>Interbanded Volcanic Tuff and Graphitic Schist: same as above, schistosity 35° C.A., grey-black-white color.</u>			
			526.0 - 539.8 volcanic-acidic (Dacite) with 3", 4" volcanic & graphitic schist, odd specks of Pyr&Po			
			533.4 - 533.9 massive Po & Pyr stringer @35° C.A., in the interbanded and volcanic & graphitic schist section - about 50-60% sulphides.			
			539.3 - 2" Po & Pyr stringer @20° C.A.			
			539.8 - 550.0 nodular blebs & thin stringers of Po & Pyr @20° C.A. - about 3% sulphides			
550.0	575.0		<u>Interbanded Volcanic Tuff & Graphitic Schist: same as above, grey-black-white color, schistosity 35° C.A., nodular blebs & stringers of Po & Pyr @ 35° C.A. - about 2% sulphides.</u>			
575.0	600.0		<u>Interbanded Acidic Volcanic & Graphitic Schist: grey-black-white color, banding 25-30° C.A., thin calcite veins, sparse sulphides (Pyr&Po) 1% sulphides</u>			

Depth		% of Core	Description & Lithology	Mineralization	Dip	No. of Sample
From	To					
600.0	605.0		<u>Interbanded Acidic Volcanic & Graphitic Schist</u> : same as above, banding 40-45° C.A., odd specks of Po & Pyr			
605.0	670.0		<u>Volcanic (Dacite)</u> : fine grained, grey, silicic, calcite stringers 35° C.A., odd specks of Pyr & Po.			
670.0	704.0		<u>Volcanic & intermediate</u> , fine grained, greyish green, slightly chloritized, thin calcite stringers.			
			704.0 - END OF HOLE			
			<u>ACID TESTS</u>			
			400.0 - 43° (very poor test)			

UMEX CORPORATION LIMITED

1935 LESLIE STREET
DON MILLS

Date Feb 20/72

C-25

SAMPLE No.	LOCATION	DESCRIPTION	ASSAY FOR			
			Cu	Ni	Zn	Au
06444	514.0 - 525.0	Vol. ^{trij} graphic schist (3-4% sulphide)				
06445	539.0 - 550.0	Vol. ^{trij} graphic " 2% sulphide				
06446	550.0 - 560.0	Vol. ^{trij} graphic 2-3% sulphide with 4" x 2" massive sulphide stringers (Po:Rv)				
			0.06	Tr	0.06	Tr
			0.01	0.01	0.05	Tr
			0.01	0.01	0.03	Tr

UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED
DRILL RECORD.

AREA Crobie
ANOMALY: C7-40A
CLAIM: 294523

Hole No. C-109A
Bearing and Dip: 55° towards S40°E
Local Coord. X= 4S Y=1.25WZ=

Depth: 402.0'
Started: 22 Jan.1973
Completed: 26 Jan.1973
Machine NO. 3
Diam Drill: AQ

Drilled By: Inspiration
Described By:
P. Vamos

Depth		%	Description & Lithology	Mineralization	Dip	No. of Sample.
From	To	Core				
	102.0		Overburden.			
02.0	151.0		Intermediate volcanic: fine to medium grained, slightly greenish grey, lacey feldspar, traces of foliation 45° to CN. Alteration mainly chloritic, moderate. Few quartz veinlets few carb. strg. Lower part of section (20') becomes leucocritic, more siliceous also finer grained. At lower contact, cherty and banded approx. 45° to CN.			
51.0	276.0		Intermediate volcanic - fine grained lighter grey with darker sections, with the likelihood of some fine grained intercalated (mudstones) sediments. Few qtz. and carb. strg. Few large euhedral crystals also some anhedral Py blotches (non cond.) foliation approx. 50° to CN. Approaching lower contact rock becomes med. grained.			
76.0	325.0		Siliceous tuffs - fine grained light grey cherty well banded approx. 45° to CN. Interbedded with narrow fine grained mudstone sections with few coarse grained euhedral - Py crystals. Rock less altered.			
25.0	360.0		Argillaceous sediments - predominantly, fine grained darker grey with <u>graphitic</u> sections 327' - 3" graphitic minor amorphous pyrite Also minor interbedded siliceous tuffs. (Graphitic sections explain conductor).			
60.0	402.0		Siliceous tuff - predominantly, fine grained cherty well banded approx. 30° to CN, minor argillaceous sediments with few amorphous pyrite patches.			
END OF HOLE.						



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900

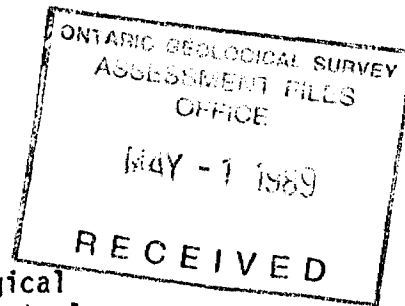
Mining Lands Section
3rd floor, 880 Bay Street
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4388

April 28, 1989

Your file: W3903-044
Cur file: 2.12234

Mining Recorder
Ministry of Northern Development and Mines
Court House
P.O. Box 3000
Sioux Lookout, Ontario
POV 2T0



Dear Madam:

Re: Notice of Intent dated March 23, 1989 Geological
Survey submitted on Mining Claims PA 824133 et al
in the Tarp Lake Area.

The assessment work credits, as listed with the above-mentioned Notice of Intent,
have been approved as of the above date.

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

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

SH:eb
Enclosure

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

Resident Geologist
Sioux Lookout, Ontario

Umex Inc.
Toronto, Ontario

David Mullen
Timmins, Ontario



DOCUMENT NO. W8903-044

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

2-12234 Mining Act

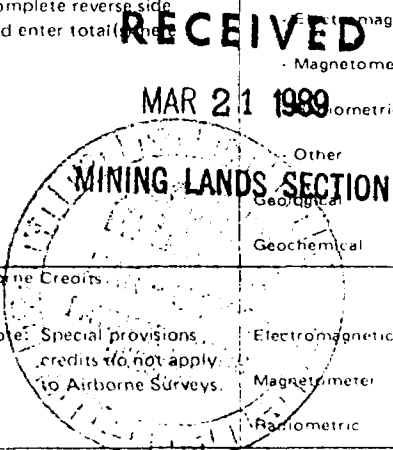
Type of Survey(s) Geological		Township or Area Tarp Lake Area G-2231	
Claim Holder(s) UMEX Inc		Prospector's Licence No. T-133	
Address P.O. Box 22, 150 King Street West, Toronto, Ontario M5H 1J9			
Survey Company As above	Date of Survey (from & to) 08 Day 05 Mo. 87 Yr. 18 Day 05 Mo. 87 Yr.		Total Miles of line Cut 0
Name and Address of Author (of Geo-Technical report) David Mullen, 735 Melrose Blvd., Timmins, Ontario P4N 5H9			

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim		Expend. Days Cr.	Prefix	Mining Claim		Expend. Days Cr.
	Number	Number			Number	Number	
Pa	824133			Pa	824155		
	824134				824156		
	824135				824157		
	824136				824158		
	824137				824159		
	824138				824160		
	824139				824161		
	824140				824162		
	824141				824163		
	824142				824164		
	824143				824165		
	824144				824166		
	824145				824167		
	824146				824168		
	824147				824169		
	824148				824170		
	824149				824171		
	824150				824172		
	824151				824173		
	824152				824174		
	824153				824175		
	824154				824176		



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. **44**

For Office Use Only

Total Days Cr. Recorded: **880**

Date Recorded: **MARCH 6, 1989**

Date Approved as Recorded: **See Revised Statement**

Mining Recorder: **ACTING David Lopez**

Branch Director:

Date: **28 February 1989**

Recorded Holder or Agent (Signature): **David Unger**

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
David Unger, c/o UMEX Inc, P.O. Box 22, 150 King Street West, Toronto, Ontario M5H 1J9

Date Certified: **28 February 1989**

Certified by (Signature): **David Unger**



Recorded Holder
Umex Inc.

Township or Area
Tarp Lake Area

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<p>Geophysical</p> <p>Electromagnetic _____ days</p> <p>Magnetometer _____ days</p> <p>Radiometric _____ days</p> <p>Induced polarization _____ days</p> <p>Other _____ days</p> <p>Section 77 (19) See "Mining Claims Assessed" column</p> <p>Geological <u>20</u> days</p> <p>Geochemical _____ days</p> <p>Man days <input type="checkbox"/> Airborne <input type="checkbox"/></p> <p>Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/></p> <p><input type="checkbox"/> Credits have been reduced because of partial coverage of claims.</p> <p><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.</p>	<p>PA 824133 to 151 incl. 824153 to 176</p>

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

10 days

PA 824152

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

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.

February 28, 1989

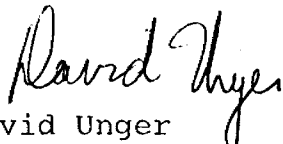
G. 89111

Ministry of Northern Development and Mines
Mining Lands Section
880 Bay Street, 3rd Floor
Toronto, Ontario
M5S 1Z8

Dear Sir:

Enclosed is a geological report and map for a geological survey performed over 44 claims in the Tarp Lake Area (G-2231) of northwestern Ontario. A Technical Data Statement and a photocopy of the Report of Work are also enclosed. The original of the Report of Work has been forwarded to the Sioux Lookout Mining Recorder.

Yours truly,



David Unger
Senior Geologist

DU/jag
Encl.

RECEIVED
MAR 6 1989
MINING LANDS SECTION



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

Type of Survey(s) Geological
Township or Area Tarp Lake Area G-2231
Claim Holder(s) UMEX Inc

Survey Company As above
Author of Report David Mullen
Address of Author 735 Melrose Blvd., Timmins, ON P4N 5H9
Covering Dates of Survey _____
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

Pa 824133 (prefix)	Pa 824155 (number)
824134	824156
824135	824157
824136	824158
824137	824159
824138	824160
824139	824161
824140	824162
824141	824163
824142	824164
824143	824165
824144	824166
824145	824167
824146	824168
824147	824169
824148	824170
824149	824171
824150	824172
824151	824173
824152	824174
824153	824175
824154	824176

If space insufficient, attach list

**SPECIAL PROVISIONS
CREDITS REQUESTED**

DAYS
per claim

Geophysical
--Electromagnetic _____
--Magnetometer _____
--Radiometric _____
--Other _____
Geological 20
Geochemical _____

ENTER 40 days (includes
line cutting) for first
survey.
ENTER 20 days for each
additional survey using
same grid.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 28 February 1989 SIGNATURE: David Mullen
Author of Report or Agent

Res. Geol. _____ Qualifications 2.1814

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 44

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy - Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION
RESISTIVITY

Instrument _____

Method Time Domain Frequency Domain

Parameters - On time _____ Frequency _____

- Off time _____ Range _____

- Delay time _____

- Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

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

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

ATIK LAKE G-1938

REFERENCE

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
JUNE 1967				
JULY 1967				
AUG. 1967				

SAND and GRAVEL

- ① GRAVEL FILE 14266
- ② MTC GRAVEL PIT 996
- ③ MTC GRAVEL PIT 1F32
- ④ MNR GRAVEL PIT 200, FILE 14266
- ⑤ GRAVEL FILE 187749
- ▲ Land Use Permit for S.R.O.

LEGEND

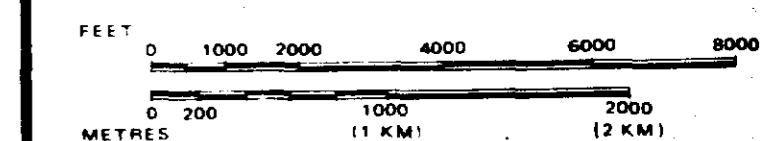
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS ETC.
- UNSURVEYED LINES
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◓
LICENCE OF OCCUPATION	◔
ORDER-IN-COUNCIL	OC
RESERVATION	⊖
CANCELLED	⊙
SAND & GRAVEL	⊗

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 83, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



AREA
TARP LAKE
M.N.R. ADMINISTRATIVE DISTRICT
SIoux LOOKOUT
MINING DIVISION
PATRICIA
LAND TITLES / REGISTRY DIVISION
KENORA (PATRICIA PORTION)

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date NOVEMBER, 1986
Number

G-2231

PONSFORD LAKE G-2176

FIRSTLOON LAKE G-2037

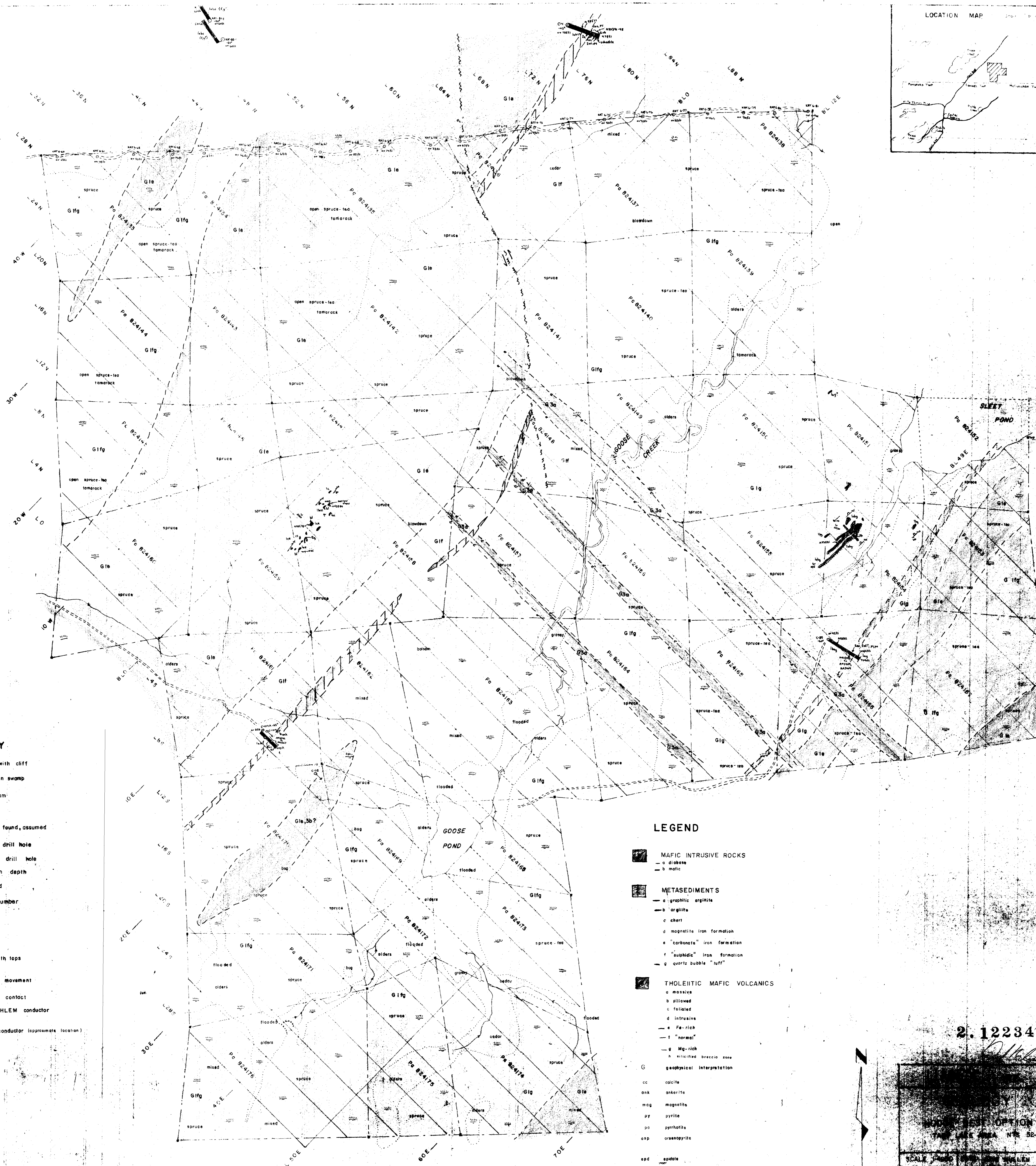
DONA LAKE G-2009

FOR STATUS SEE
PONSFORD TWP.
G - 2181



520890006 2.12234 TARP LAKE 200

515901



KEY

- outcrop with cliff
- swamp, open swamp
- beaver dam
- trench
- claim post found, assumed
- diamond drill hole
- overburden drill hole
- overburden depth
- drill road
- sample number
- foliation
- lineation
- pillows with tops
- fault with movement
- geological contact
- ground HLEM conductor
- AEM conductor (approximate location)

LEGEND

- MAFIC INTRUSIVE ROCKS
 - a diabase
 - b mafic
- METASEDIMENTS
 - a graphitic argillite
 - b argillite
 - c chert
 - d magnetite iron formation
 - e "carbonate" iron formation
 - f "sulphidic" iron formation
 - g quartz bubble "tuff"
- THOLEIITIC MAFIC VOLCANICS
 - a massive
 - b pillowed
 - c foliated
 - d intrusive
 - e Fe-rich
 - f "normal"
 - g Mg-rich
 - h micritic breccia zone
- G geophysical interpretation
 - cc calcite
 - ank ankerite
 - mag magnetite
 - py pyrite
 - po pyrrhotite
 - osp oranopyrite
 - epd epidote
 - qv quartz vein
 - bl bleaching

2. 12234

DATE: 1967
 SCALE: 1:50,000
 DRAWN: DVM

mapped by DVM May 6-16/67

