



42L07NW0022 OP92-753 MAUN LAKE

010

**OPAP FINAL SUBMISSION
SUMMER 1992**

FILE No. OP92-753

SUBMITTED BY:

RICK ROY

NOVEMBER 1992



42L071NW0022 OP92-753 MAJIN LAKE

010C

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LOCATION AND ACCESS

O'Sullivan Lake:

The project areas lies approximately 300km northeast of Thunder Bay, Ontario and 35km northwest of Nakina. The property is within the Beardmore-Geraldton area of the Thunder Bay Mining Division. The claim map sheets are O'Sullivan Lake, G-362 and Maun Lake, G-319 with latitude 50 27'20" and longitude 87 00'00" in the NTS 42L6NE and 42L7NW.

Access is via logging road 643 from Nakina north to O'Sullivan Lake and branching off on the road to the Consolidated Louanna Mine. From here, a boat will be needed to access the other side of the lake where the Hurd Lake Fault Zone occurs.

Duckworth Township:

The property is located 83km by road west of Thunder Bay, Ontario. The claim map sheet is Duckworth Township, G-638 in NTS block 52B/9.

Access is provided by logging access roads of Canadian Pacific Forest Products Limited approximately 7km south from Inco's Shebandowan Mine road.



Figure 1: Location of the Property Area in Northwestern Ontario

FIG.1. LOCATION MAP

PREVIOUS WORK

O'Sullivan Lake

Gold mineralization in the O'Sullivan Lake areas was first reported in Kindle (1931) to occur associated to quartz stringers within carbonate altered porphyry on the Cryderman claims.

The gold mineralization at the Consolidated Louanna Gold Mine is reported in 1935. Further work led to the beginning of underground development in 1947.

The area of the Hurd Lake property has been prospected since the 1940's. Work is recorded in the Government Assessment Files beginning in 1950. The area has been mapped in detail by the Government in 1955 by Moorehouse, who documented the numerous gold occurrences known at the time. A Government sponsored Airborne Geophysical Survey was completed in 1989. The airborne survey included an Electromagnetic and Magnetic Survey.

Duckworth Township

The property was previously held by Noranda Exploration Limited. Noranda conducted ground HLEM and magnetics over a flagged grid spaced 200m apart. This work outlined what they thought might be a massive sulphide lens. This program tested it with 1 drill hole with the aid of financial assistance from OPAP grants of Rick Roy and Tim Twomey.

PAST GOLD PRODUCTION

The O'Sullivan Lake Belt is host of the Lake Osu Gold Mine (Consolidated Louanna Gold Mine). The mine property was first explored in detail in 1935. This work lead to the sinking of a shaft to the 150 foot level in 1947. Extensive but sporadic work has been carried out from 1947 until 1984 with the production of 15,400 ounces of gold. The ore zones of the mine occur within a strongly sheared and altered mafic to intermediate tuffaceous horizon. The tuff horizon is hosted by massive to pillowed mafic flows. The tuffaceous band has been the focus of shearing, porphyry intrusion and alteration. The intrusives, irregular in shape and size, are frequently sheared and consist of quartz and quartz-feldspar porphyries. The alteration of the tuffaceous horizon consists of pervasive carbonate and weak sericite with intense silicification and sericite mineralization near the intrusive contacts.

The mineralization at the mine site is associated to brecciated bluish quartz veins hosted by the quartz feldspar porphyries and the sheared tuff. The veins contain up to 15% sulfides (pyrite, pyrrhotite, arsenopyrite, sphalerite, and chalcopyrite) and native gold.

REGIONAL GEOLOGY

O'Sullivan Lake

The area is underlain by Archean metavolcanics and metasediments belonging to the Wabigoon Belt. Locally interbedded massive and pillowed mafic flows are overlain by a narrow belt of felsic to intermediate tuffs and metasediments. The volcanics are locally intruded by sills, dykes and small stocks of gabbroic to granitic composition. Metamorphic grade varies from greenschist in the central belt to upper amphibolite adjacent to the granite bodies. All the rocks are sheared in an easterly direction bearing 065 - 045 . A number of strong, northerly trending faults 020 -040 have been identified.

STRUCTURE

The general fabric of all the volcanic rocks within the Hurd Lake Property is expressed by a northeast, vertically dipping foliation. Locally, at the contacts to the felsic intrusives and focused within the intermediate tuffs, strong shearing is evident. The principle structure in the area is the Hurd Lake Fault which crosscuts all rock types.

The Hurd Lake Fault is a strong northeast striking, vertically dipping structure traceable for over 8 kilometres (4.8 miles).

PROPERTY GEOLOGY AND MINERALIZATION

O'Sullivan Lake

The Hurd Lake Fault Zone occurs within the Northeastern end of the Kowkash Greenstone Belt where the belt appears to start pinching out at O'Sullivan Lake. The fault is a northeast trending (040 -045) structure with numerous parallel copper-gold showings associated with it.

The area is underlain by mafic to intermediate volcanics intruded by a number of feldspar and quartz feldspar porphyries. The main showing at the Lake Osu Mine occurs in a porphyry similar to these. Numerous copper-gold showings occur in the Hurd Lake area. The showings are either associated with large breccia zones or quartz veins in shear zones at the margins of felsic intrusions. The Newman Prospect is an example of a breccia zone which is believed to have 300,000 tons of 1% Cu and low grade Au. Another prospect near this fault zone would be the Copper Jim which has mineralization in a breccia zone in the form of pyrite, pyrrhotite and chalcopyrite. This zone was traced for a strike length of 600 ft and found to occur across horizontal widths of up to 35 ft. Assays from this property usually range from 2.78 to 7.43% Cu and from 0.03 to 0.07 oz/ton Au.

There are several significant showings in this area which display similarities to a large tonnage, low grade copper-gold deposit. The area needs a thorough exploration program to determine the actual extent of mineralization that exists near the Hurd Lake Fault Zone.

Duckworth Township

There are two main rock types found on the property. The first is Keewatin, aged intermediate to felsic volcanics. These consist of cream to buff coloured tuffs and flows and their sheared, sericitic equivalents. These rocks strike at 065 and dip steeply south. Within this package are found sericite schists with minor green mica as well as narrow zones of disseminated to stringer pyrite.

Unconformably, overlying this package of rocks to the north are younger Temiskaming metasediments. These are well bedded siltstones, wackes and banded magnetite-chert iron formation. These rocks strike east-west and dip vertically. Within them are found narrow syenite dikes which are red and fine grained. Quartz veins are sometimes found on the contacts with the sediments.

SUMMER PROGRAM

The O'Sullivan Lake project consisted exclusively of prospecting and sampling with a total of 61 samples sent to Accurassay for copper/gold analysis. The prospecting covered a large area with most of the sampling being done on the old showings to prove past results. A shear zone at the end of Northeast Arm which assayed 1.5 grams/ton Au required more attention and we subsequently went back there to chip sample across the entire width of the shear zone. Overall the samples returned a number of significant results which has shown the gold potential of the area.

There were changes made to the proposed OPAP program where a portion of the grant was used to help Tim Twomey drill a hole on his OPAP assisted Duckworth Township property. One hole was drilled to test a geophysics conductor (Max-Min). It was drilled to a depth of 153 feet with 4 samples taken to Accurassay for gold analysis.

RESULTS

A number of the samples taken around O'Sullivan Lake were anomalous for gold. The best assays are shown below:

Grab Samples

R-10	13960 ppb Au
R-11	4871 ppb Au
R-13	1467 ppb Au
R-33	3431 ppb Au
R-35	2629 ppb Au
R-46	5554 ppb Au
R-47	3965 ppb Au
R-49	2317 ppb Au
R-51	4788 ppb Au
R-53	832 ppb Au
R-55	6178 ppb Au

The Duckworth Township drill samples returned low results, with the highest assay being 64 ppb gold.

RECOMMENDATIONS

Several areas of interest were outlined this summer at O'Sullivan Lake. The high and widespread gold numbers suggest that this area is a very favourable site for hosting a gold deposit. Most of these areas will need to be further exposed to find the full extent of the gold mineralization. This will involve backhoe and manual trenching, followed by washing and then channel sampling. A soil or humus survey may be needed to outline target areas where no outcrop exists. The area deserves more exploration work and therefore another OPAP grant will be applied for in the coming year.

REFERENCES

Assessment Files: Ministry of Northern Development and Mines, Thunder Bay

Kindle, L.F., 1931: Kowkash-Ogoki Gold Area, District of Thunder Bay, Ontario, Department of Mines, A.R. 40, Part 5

Moorehouse, 1966: Geology of the O'Sullivan Lake Area, Ontario Department of Mines, A.R. 64, Part 4

Mason J. and White G., 1986: Gold Occurrences, Prospect and Deposits of the Beardmore-Geraldton Area, Districts of Thunder Bay and Cochrane, Ontario Geological Survey, Open File Report 5630

APPENDIX A
DAILY LOG

DAILY LOG

<u>Date</u>	<u>Location</u>	<u>Work Performed</u>
May 21	O'Sullivan Lake	Drove to O'Sullivan Lake. Boated across lake - looked at old mine site and rocks there
May 22	O'Sullivan Lake	Prospected and sampled Pelangio Point
May 23	O'Sullivan Lake	Prospected Copper Jim Showing
June 5	O'Sullivan Lake	Drove to O'Sullivan Lake. Prospected and sampled Copper Jim Area
June 6	O'Sullivan Lake	Prospected and sampled in Northeast Arm
June 7	O'Sullivan Lake	Prospected and sampled around Copper Jim occurrence
June 8	O'Sullivan Lake	Prospected in the Walkup Creek Area
June 23	O'Sullivan Lake	Drove to O'Sullivan Lake. Boated to Copper Jim showing - 8 samples
June 24	O'Sullivan Lake	Prospected shear zone Northeast Arm
June 25	O'Sullivan Lake	Prospected and sampled. Back to Copper Jim showing - 4 samples
June 26	O'Sullivan Lake	Prospected and sampled Copper Jim showing - 4 samples
July 1	O'Sullivan Lake	Prospected and sampled shear zone Northeast Arm

July 2	O'Sullivan Lake	Prospected and sampled in Walkup Creek
July 3	O'Sullivan Lake	Prospected and sampled in Walkup Creek
July 4	O'Sullivan Lake	Prospected and sampled O'Sullivan Lake north
July 5	O'Sullivan Lake	Prospected and sampled O'Sullivan Lake north
July 6	O'Sullivan Lake	Prospected and sampled O'Sullivan Lake north
July 7	O'Sullivan Lake	Prospected and sampled north of Pendargast claim
July 8	O'Sullivan Lake	Prospected and sampled north of Pendargast claim
July 9	O'Sullivan Lake	Re-sampled roadside shear R-17 to 24
July 15	O'Sullivan Lake	Prospected and sampled O'Sullivan Lake north
July 16	O'Sullivan Lake	Prospected and sampled O'Sullivan Lake north
July 17	O'Sullivan Lake	Prospected and sampled O'Sullivan Lake north
July 18	O'Sullivan Lake	Prospected north of Pendargast claim
July 19	O'Sullivan Lake	Prospected north of Pendargast claim
July 20	O'Sullivan Lake	Looked at rocks at Consolidated Louanna Gold Mine
September 20	O'Sullivan Lake	Prospected and sampled Trans America pits

September 21

O'Sullivan Lake

**Prospected and sampled
Cryderman Peninsula**

September 22

O'Sullivan Lake

**Prospected and sampled Farley
Island. Drove back to Thunder
Bay**

APPENDIX B
EXPENDITURES

EXPENDITURES

DATE	RECIPIENT OF PAYMENT	NATURE OF EXPENSE	AMOUNT
April 27	T. Bay Scanning and Info. System	scanning O'Su map	46.00
May 20	Safeways	groceries	78.10
20	Husky	propane	27.00
23	Restaurant	lunch	11.78
23	O'Sullivan Lake Outfitters	lodging and boat	85.10
June 4	Safeways	groceries	46.15
5	Husky	gas for boat motor	39.50
5	Accurassay	assays	36.92
6	O'Sullivan Lake Outfitters	lodging	57.50
7	Travelair	lodging	97.00
22	Safeways	gorceries	280.66
23	Canadian Tire	propane hose	5.61
23	O'Sullivan Lake Resort	lodging	345.73
30	Quality Market	groceries	211.49
30	O'Sullivan Lake Outfitters	lodging	1,171.49
July 3	Accurassay	assays	400.71
6	Top Notch Services	gas & oil for motor	33.58
6	Restaurant	meal	26.50
7	Wakefield Oil Check	oil change	29.27
8	Gear Up for Outdoors Ltd	sample bags/thread	171.47
8	Village Meats	meats	19.16
11	Travelair	meal	14.00
13	MNDN	maps	42.33
14	Accurassay	assays	303.13
14	Lake Nipigon Cafe	meal	16.96
23	Safeways	groceries	157.08
24	Restaurant	meal	14.72
28	Travelair	lunch	16.05
Sept 18	Safeways	groceries	100.86
19	Husky	propane	12.65
19	Travelair	lunch	14.65
23	Husky	propane	10.50
25	Todd Maitland	helper	1,800.00
25	Garry Clark	helper	900.00
Nov 10	Accurassay	assays	53.29
11	Garry Clark	diamond drilling supervison	700.00
11	Alf Lambert	diamond drilling	1,200.00
19	Garry Clark/Aubrey Eveleigh	report writing	<u>300.00</u>
		Subtotal	\$ 8,876.94
		Truck (4200 km @ @0.30/km)	1,260.00
		Days Worked (includes 1 day report preparation)	<u>800.00</u>
		TOTAL	\$10,936.94

I, J.G. Clark worked as a helper on Rick Roy's OPAP project (File No. OP92-753) at O'Sullivan Lake for 9 days during the summer of 1992.

A handwritten signature in black ink, appearing to read 'J.G. Clark', written in a cursive style.

I, Todd Mitland worked as a helper on Rick Roy's OPAP project (File No. OP92-753) at O'Sullivan Lake for 18 days during the summer of 1992.

Todd Mitland

APPENDIX C
ASSAY RESULTS



BARRINGER LABORATORIES

BARRINGER / ACCURASSAY LABORATORIES
THUNDER BAY DIVISION

5735 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
PHONE: (416) 890-8566
FAX: (416) 890-8575

29-May-92

J. G. Clark
618 North Vickers Street
Thunder Bay, ON
P7B 5B7

Page: 1
Copy: 1 of 1
Set: 1

Attn: Mr. J.G. Clark/ Mr. Rick Roy
Project: PO #:

Received: 25-May-92 11:46

Job: 924164T Status: Final

Rock Samples

Sample	Au FA/AA3 ppb	Au Calc. oz/T
RR-1	382	0.011
RR-2	<5	<0.001
RR-3	19	<0.001



ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORIES SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
(807) 623-6448 FAX 623-6820

30-Jun-92

J. G. Clark
618 North Vickers Street
Thunder Bay, ON
P7B 5B7

Page: 1
Copy: 1 of 1
Set: 1

Attn: Mr. Rick Roy
Project:

PO #:

Received: 27-Jun-92 14:00

Job: 9242991

Status: Final

Rock Samples

Sample	Cu AA ppm	Au FA/AA3 ppb
R-4	5	<5
R-5	162	58
R-6	120	9
R-7	8	34
R-8	17	<5
R-9	26	187
R-10	82	13960
R-11	12	4871
R-12	31	30
R-13	8	1467
R-14	16	31
R-15	9	18
R-16	5	52



ACCURASSAY LABS
A DIVISION OF ASSAY LABORATORIES SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
(807) 623-6448 FAX 623-6820

16-Jul-92

J. G. Clark
618 North Vickers Street
Thunder Bay, ON
P7B 5B7

Page: 1
Copy: 1 of 1
Ser: 1

Attn: Mr. Rick Roy
Project:

PU #:

Received: 13-Jul-92 15:

Job: 9243491

Status: Final

Rock Samples

<u>Sample</u>	<u>Au FA/AA.3 ppb</u>
K-17	7
K-18	19
K-19	235
K-20	36
K-21	36
K-22	60
K-23	153
K-24	13



ACCURASSAY LABS

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1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
(807) 623-6448 FAX 623-6820

Page: 1

Clark, Mr. J.G.
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

November 19

92

Work Order # : 924835
Project :

SAMPLE NUMBERS		Gold	Gold
Accurassay	Customer	ppb	Oz/T
1	R-25	239	0.007
2	R-26	31	0.001
2	R-26	28	0.001 Check



ACCURASSAY LABS

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1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
(807) 623-6448 FAX 623-6820

Page: 1

Clark, Mr. J.G.
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

November 19

92

Work Order # : 924835
Project :

SAMPLE NUMBERS		Copper	Zinc
Accurassay	Customer	ppm	ppm
1	R-25	2400	140
2	R-26	4800	100



ACCURASSAY LABS
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(807) 623-6448 FAX 623-6820

J. G. Clark
618 North Vickers Street
Thunder Bay, ON
P7B 5B7

2-Oct-92

Page: 1
Status: Final

Attn: Mr. Gary Clark
Job: 924654T

Received: 23-Sep-92

Rock Samples

Sample	Au FA/AA3 ppb
R27	<5
R28	<5
R29	<5
R30	<5
R31	<5
R32	25
R33	3431
R34	46
R35	2629
R36	162
R37	156
R38	<5
R39	25
R40	<5
R41	<5
R42	43
R43	<5
R44	238
R45	535
R46	5554
R47	3965
R48	174
R49	2317
R50	70
R51	4788
R52	117
R53	832



ACCURASSAY LABS
A DIVISION OF ASSAY LABORATORY SERVICES INC.
1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
(807) 623-6448 FAX 623-6820

J. G. Clark
618 North Vickers Street
Thunder Bay, ON
P7B 5B7

2-Oct-92

Page: 2
Status: Final

Attn: Mr. Gary Clark
Job: 924654T

Received: 23-Sep-92

Rock Samples

Sample	Au FA/AA3 ppb
R54	89
R55	6178
R56	281
R57	10
R58	6
R59	43
R60	279
R61	76



ACCURASSAY LABS

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
(807) 623-6448 FAX 623-6820

Page: 1

Clark, Mr. J.G.
618 North Vickers Street
Thunder Bay, Ontario
P7B 5B7

November 5

92

Work Order # : 924795
Project :

Accurassay	SAMPLE NUMBERS Customer	Gold ppb	Gold Oz/l	
1	01-1	<5	<0.001	
2	01-2	<5	<0.001	
3	01-3	<5	<0.001	
4	01-4	64	0.002	
4	01-4	64	0.002	Check

Drill hole 1

Duckworth Twp.

APPENDIX D

M A P S

APPENDIX E
DRILL LOGS



Ministry of Northern Development and Mines Ontario

Ministère du Développement du Nord et des Mines

Diamond Drilling Log

Journal de forage au diamant

Complete this form and related sketch in duplicate. Rempilr en deux exemplaires la présente formule et le croquis annexé

Fill in on every page. Rempilr ces cases à chaque page

Hole No. Forage n° Hole 1
Page No. Page n° 1

Drilling Company: Clark Geol. Consulting
 Date Hole Started: Oct 20/92
 Date Completed: [blank]
 Exploration Co., Owner or Optionee: Rick Roy / Tim Twomey
 Map Reference No.: [blank]
 Location (Twp, Lot, Con. or Lat. and Long.): Thunder Bay
 Property Name: Duckworth

Footage/Avancement From/De	To/A	Rock Type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.)	Dip of Hole at Inclinaison du forage au Collar/collier	Total Footage Avancement total du forage	Bearing of hole from true North/Position du forage par rapport au nord vrai	Looped by /Inscrit par	Submitted by (Signature) /Déposé par (signature)
0	14.0	O.B.	some quartz boulder fragments	- 45°	153	North	J.G. Clark	
14.0	45.0	Intermediate Tuff	dark grey to light grey, 40-45° foliation, white to black, locally coarse fragments, locally blocky, medium grained matrix					
			32.6 - 33.5 - quartz veins, white, irregular white and trace pyrite on fracture, irregular contacts.					
			42.0 - 43.0 - light buff coloured due to ground water alteration					
			43.5 - 45.0 - ground bleaching zone					
45.0	70.0	Intermediate to felsic Tuff	bedded to schistose, grey to buff green, white alteration stringers in felsic, 45° foliation, locally block banded tuff medium to fine grained locally quartz fragments, contacts sharp 45-60° to 90° tilted					

0204 (03/91) *For features such as foliation, bedding, schistosity, measured from the long axis of the core. *Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

† Additional credit available. See Assessment Work Regulation. † Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation. Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



Complete this form and related sketch in duplicate. Rempilr en deux exemplaires la présente formule et le croquis annexé

Hole No. Forage n°

Page No. Page n°

2

Drilling Company Compagnie de forage		Collar Elevation Élévation du collier		Bearing of hole from true North Orientation du forage par rapport au nord vrai		Dip of Hole at inclinaison du forage au		Map Reference No. N° de référence sur la carte		Claim No. N° de concession minière		
Date Hole Started Date de commencement du forage		Date Logged Date d'inscription au journal		Logged by Inscrit par		Collar/collier		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)		Property Name Nom de la propriété		
Date Completed Date d'achèvement		Date Submitted Date de dépôt		Submitted by (Signature) Déposé par (signature)				Sample Location Lieu de l'échantillon		Assays †/Analyses minéralurgiques		
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option		Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)		Core Section Appar/Angle de coupe des sections		Sample From/De		Sample Length Longueur de l'échantillon				
Footage/Avancement		Rock Type Type de roche		Core Section Appar/Angle de coupe des sections		Sample From/De		Sample Length Longueur de l'échantillon				
From/De		To/A		Core Section Appar/Angle de coupe des sections		Sample From/De		Sample Length Longueur de l'échantillon				
	49.0-51.0		49.0-51.0 - msp. dthc - cheap sheared 45° contacts, carbonate alteration of host 8" in up hole 1 foot down hole, carbonate-dolomite alteration, trace pyrite									
70.0	80.8	Felsic Tuff	fine to medium grained, buff, quartz fragments, 45° foliation to schistose, matrix altered									
80.8	121.5	Intermediate to Felsic Tuff	fine to medium grained, grey green to buff gradational contacts, 45° foliation, quartz fragments up to 2mm stretched parallel foliation, local 2mm irregular clasts of schist, matrix predominantly; locally minor quartz veins < 1cm irregular									
			80.8-81.6 - trace pyrite in intermediate tuff						01-02	80.0	82.0	85
121.5	143.3	Felsic Tuff	fine grained, buff, 45° foliation, matrix predominantly, quartz schistose clasts possible, matrix locally, change 45° down hole contact local minor irregular < 1cm quartz veins									

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

† Additional credit available. See Assessment Work Regulation.
† Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



Drilling Company Compagnie de forage	Collar Elevation Élévation du collier	Bearing of hole from true North / Orientation du forage par rapport au nord vrai	Total Footage / Avancement total du forage
Date Hole Started Date de commencement du forage	Date Logged Date d'inscription au journal	Logged by Inscrit par	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option	Date Submitted Date de dépôt	Submitted by (Signature) Déposé par (signature)	
Map Reference No. N° de référence sur la carte		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude)	
Property Name Nom de la propriété			

Footage/Avancement From/De	Rock Type Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Dip of Hole at Inclination du forage au Collar/collier R.P.M.	Pour toutes les roches sauprés R.P.M.	Pour toutes les roches sauprés R.P.M.	Pour toutes les roches sauprés R.P.M.	Pour toutes les roches sauprés R.P.M.	Core / Niveau de prise Niveau de l'échantillon (en pieds) To/A	Sample Length / Longueur de l'échantillon From/De	Year Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) From/De	Assays / Analyses minérales / chimiques
		139.8 - 146.1 - strong fracture zone, minor quartz veinlets up to 3cm parallel 300 foliation - rare pyrite.						01-03	139.5	140.5	1.0	AS
143.3	153.0	Graphitic Argillite fine grained, black to dark grey, 45-30° foliation, minor irregular quartz veinlets 60.5cm. Graphite on fracture plains. core very blocky.										
		145.0 - 146.5 - siliceous blocky zone on quartz vein slightly oxidized 145.0 - 145.6 30° bedding of massive pyrite						21-04	145.0	146.5	1.5	64
		EOH 153.0										

0204 (09/81) *For features such as foliation, bedding, schistosity, measured from the long axis of the core.
 *Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.
 † Additional credit available. See Assessment Work Regulation.
 † Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
 Note: Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

REFERENCES

TERRIER LAKE G-429

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION:
S.R. SURFACE RIGHTS M.R. MINING RIGHTS

DESCRIPTION	ORDER NO	DATE	DISPOSITION	FILE
(1) PROPOSED NATURAL RESERVE	W 18-14/91	JULY/91	SAM	

REPRODUCED FROM
 ORIGINAL RECORD
 HINDS DIVISION
 92 MAR 26 PM 3 48

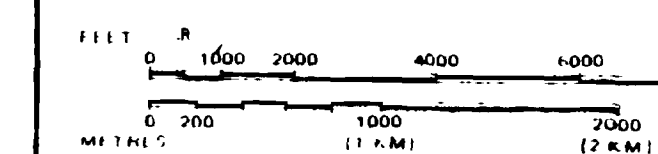
LEGEND

HIGHWAY AND ROUTE NO	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIP 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	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMITS FOR COMMERCIAL TOURS/MOOSTICAMPS	
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1912, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 380, SEC. 62 SUBSEC. 1	

SCALE 1 INCH = 40 CHAINS



AREA

MAUN LAKE

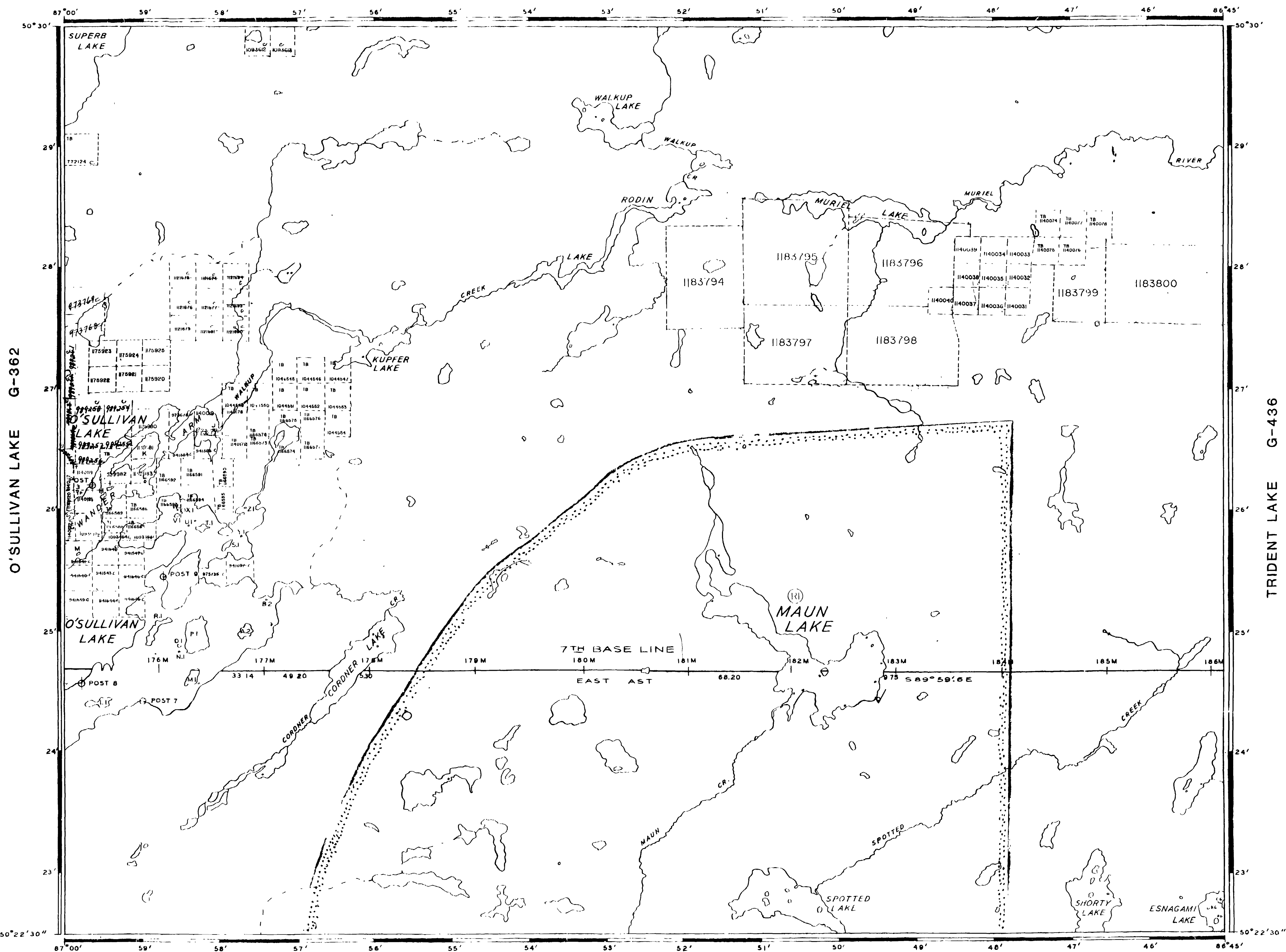
MNR ADMINISTRATIVE DISTRICT
 GERALDTON
 MINING DIVISION
 THUNDER BAY
 LAND TITLES / REGISTRY DIVISION
 THUNDER BAY

Ministry of Natural Resources
 Land Management Branch

Ontario
 FEBRUARY 10 1987

Date: JULY, 1981

Number: G-319



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



REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

S.R.-SURFACE RIGHTS M.R.-MINING RIGHTS

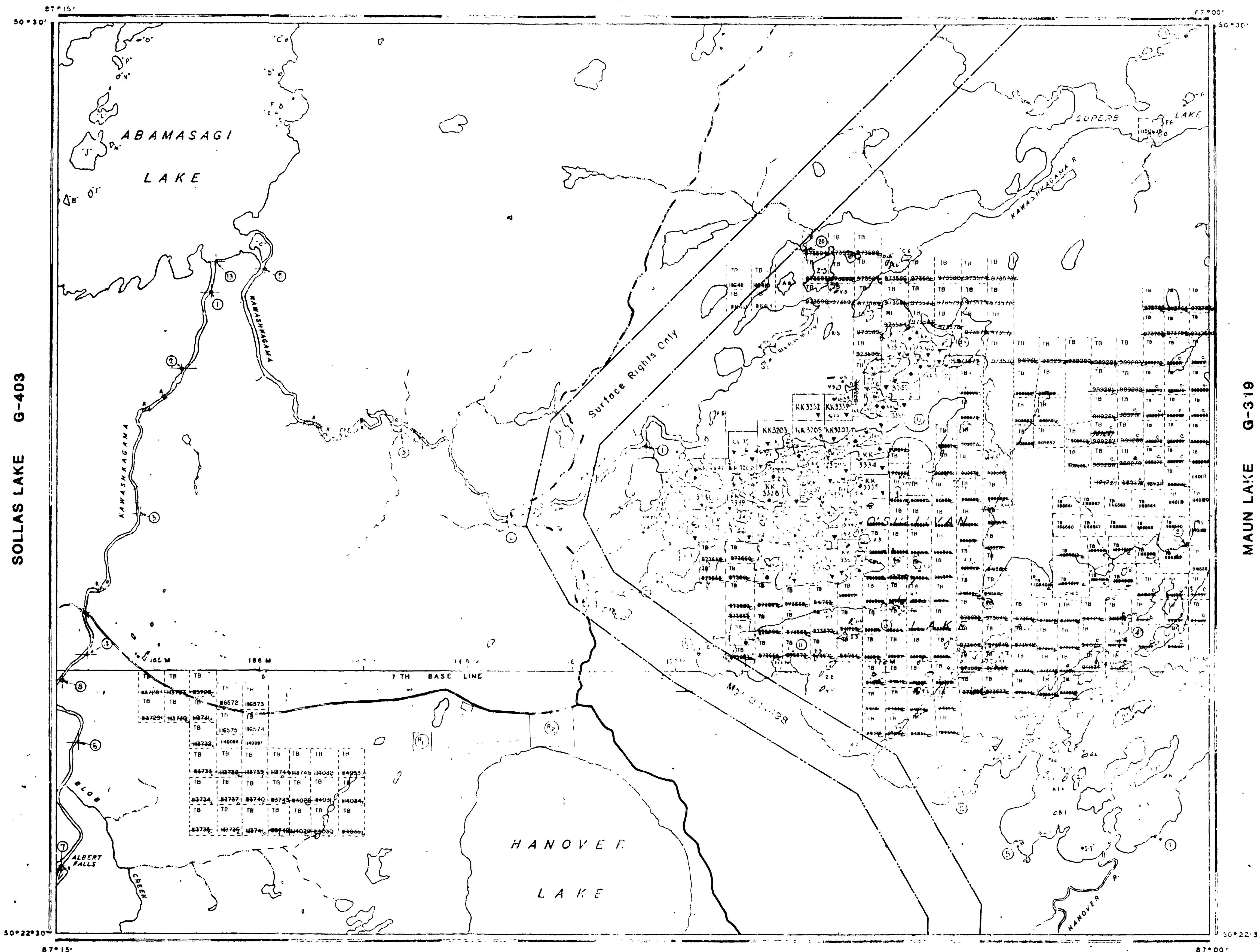
DESCRIPTION ORDER # DATE DISPOSITION FILE

SEC.36/80 W27/85 18/10/85 S.R.O. 180704

SEC.36/80 W33/85 28/1/85 S.R.O. 188816

MINER REPORT LOCATIONS NOT OPEN FOR STAKING SEC. 36(1)

BOSTON LAKE G-208



REFERENCES

RECEIVED
THUNDER BAY
MINING DIVISION
JULY 26 1981

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

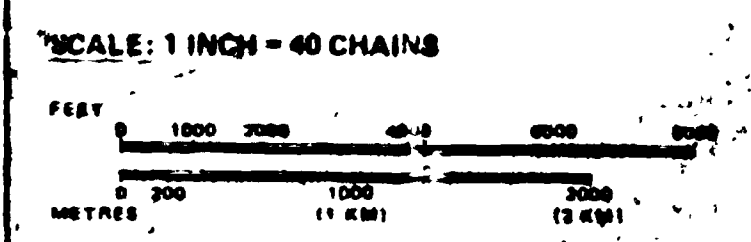
LEGEND

- HIGHWAY AND ROUTE NO.
- OTHER ROADS
- TRAILS
- SURVEYED LINES: TOWNSHIP, BASE LINES, 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	○
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○
LAND USE PERMITS FOR COMMERCIAL TOURISM/OUTPOST CAMPS	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1915, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1978, CHAP. 200, SEC. 63, SUBSEC. 1



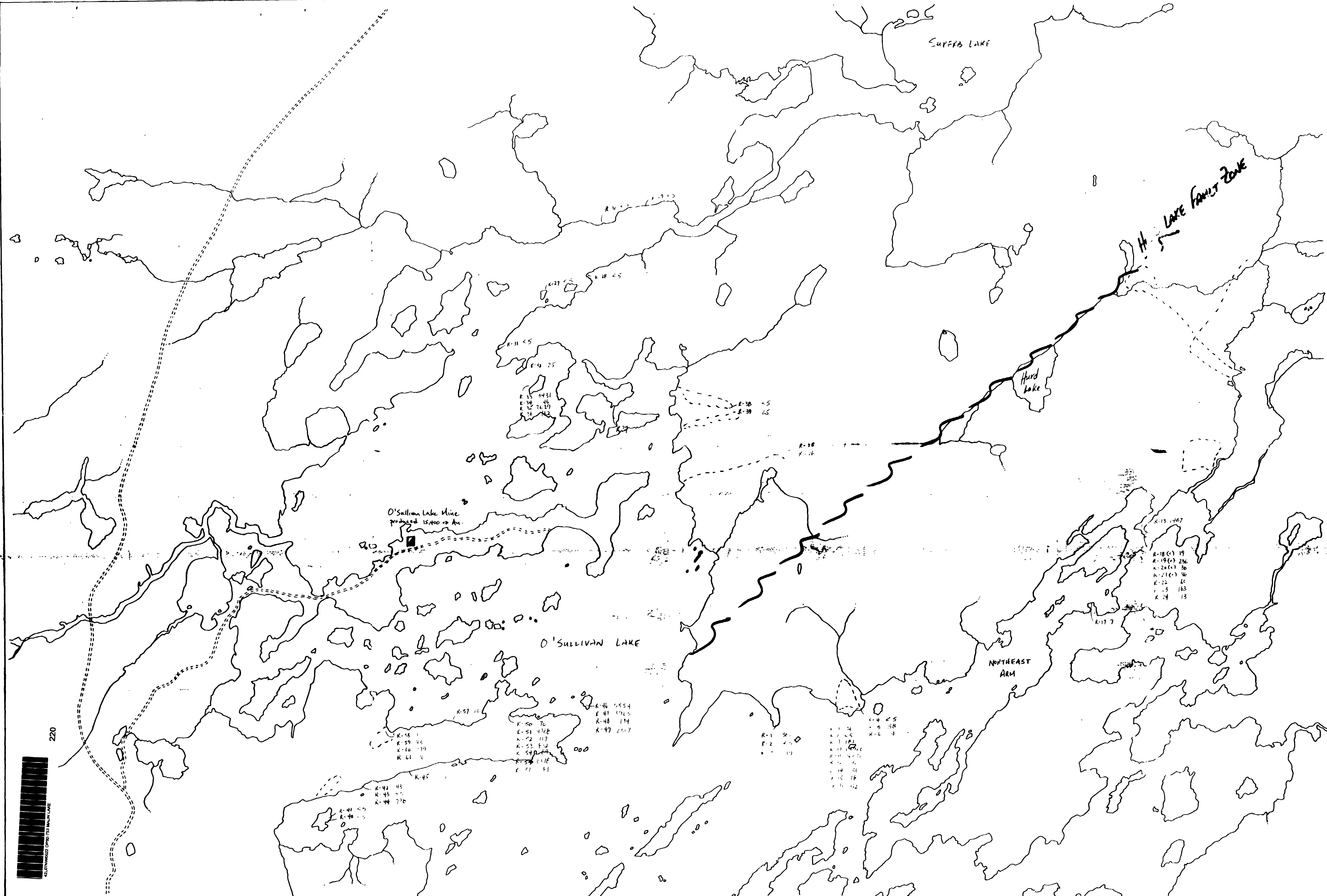
AREA
O'SULLIVAN LAKE
M.N.R. ADMINISTRATIVE DISTRICT
GERALDTON
MINING DIVISION
THUNDER BAY
LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ministry of Natural Resources
Land Management Branch
Ontario

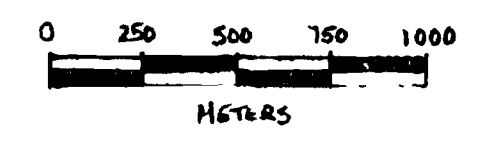
Date: JULY, 1981
IN SERVICE NOV 20 1980
G-362

HANOVER LAKE G-266



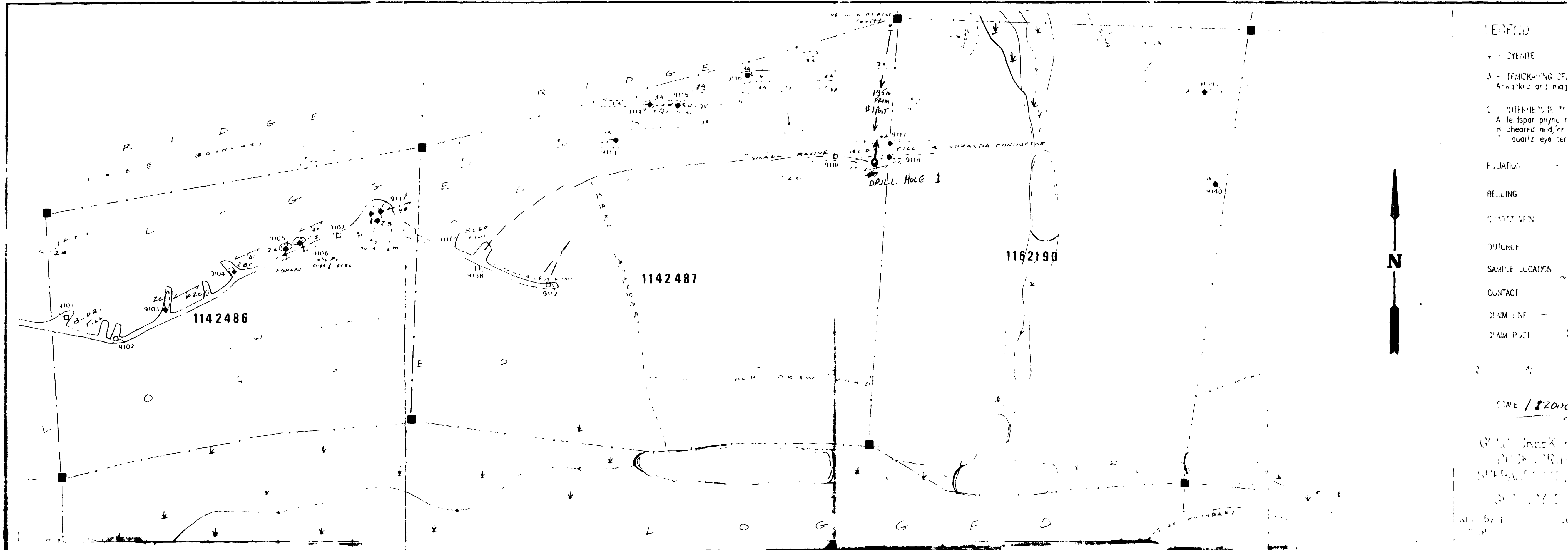


- Traversed Lines
- ===== ROAD
- R-10 GRAB SAMPLE (ASSAYED FOR Au, Cu)
- R-18(C) CHIP SAMPLE (ASSAYED FOR Au)
- 14E7 GOLD ASSAY IN PPB
- SHAFT



O'SULLIVAN LAKE
HURD LAKE FAULT ZONE

Rick 204 1141	
Scale 1:20,000	NTS
Date Nov 1992	42 L (7/11/92) 42 L (6/92)



LEGEND

- DYKE
- FAULTING
- BEDDING
- QUARTZ VEIN
- OUTCROP
- SAMPLE LOCATION
- CONTACT
- CLAIM LINE
- CLAIM POST

SCALE 1/82000

GOLD CREEK PROPERTY
DUCKWORTH TWP
SECTION LOCKING EAST

