

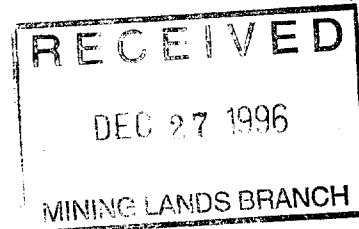
GEOLOGICAL REPORT
OF CLAIM
1128955 AND 1138955 IN PART
SEWELL TOWNSHIP
DISTRICT OF SUDBURY

UNDER OPTION BY CROSS LAKE MINERALS LTD.



42A05SW0007 2.16963 SEWELL

010



2 • 169 63

Timmins, Ontario
October, 1996

C. D. MacKenzie
Consulting Geologist

*Coal #
63-1725*

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Location And Access	1
Topography Of Claims Group	1
Past History Of The Claim Group	2
Regional Geology	2,3
Geology Of Claims 1128955 and 1138955	3,4
Conclusions And Recommendations	5



42A05SW0007 2.16963 SEWELL

010C

INTRODUCTION

The following report pertains to the Geology of part of the claims in Sewell Township presently under option to Cross Lake Minerals Ltd.

The Geology map is located in the back pocket of this report on a scale of 5:0000.

The Regional Geology is shown on a map enlarged from a map taken from the Kirkland Lake sheet which was on a scale of 1 inch = to 4 miles (last page of report).

LOCATION AND ACCESS

The property is easily reached from the city of Timmins, Province of Ontario, by car travelling west on Highway 101 for 62 km and turning north on a bush road for a distance of 3 km to the Hydro Line right of way which crosses the property.

TOPOGRAPHY OF THE CLAIM GROUP

A series of outcrop ridges strikes northerly across the claim group. Much of the high ground is well forested by Jack Pine, Spruce Birch and Fir. Local sand ridges and boulder - gravel hills are also present. One large creek is present on the property surrounded by Alder Tamarack swamps. See the map in the back pocket of this report.

The country underwent glaciation and the glacial striae shows the ice movement in this area was from the north east.

PAST HISTORY OF CLAIM GROUP

The first reported work was carried out by McIntyre Mines, Ltd. Magnetometer and Electro Magnetic surveys were completed in the winter of 1975. Drilling was carried out with no significant Nickel values obtained from the peridotite intersected. The option was dropped.

In 1995 the claims were staked by the late Nolan Boa, a Timmins prospector who optioned the claims to Cross Lake Minerals Ltd. in 1995.

The claims were staked because of the rich Nickel ultra mafic float reported to be found by McIntyre personal in 1975. Small sulfide zones were found in place on a rock ridge, 700 meters north of the present baseline. The original " float " could not be found. The claims are presently under exploration by Cross Lake Minerals Ltd.

REGIONAL GEOLOGY

Sewell Township is underlain by a small greenstone belt of Archaean Age completely surrounded and intruded by a complex granitic batholith.

There is some evidence that the mafic-volcanics and ultra mafics, Iron formations and meta sediments and Rhyolites are part of the western extension of the Abitibi belt from the Timmins area.

In 1966, Map 2230, Reeves and Sewell Townships was published and attracted increased Mining Exploration in these Townships. However, the area north of Highway

101 was shown to be mostly a sand-covered Granite area. In 1968, a preliminary map was published on a scale of 1 inch = ½ mile and appears to be a compilation map of the 1966 version.

Except for a few diabases of middle Precambrian Age all other rock formations including the Granite are considered to be Archaean in Age in Sewell and Reeves Townships.

The main rock types are meta mafic volcanics, epidote rich Amphibolites, meta sediments and Rhyolite flows (in Reeves Township). Ultra mafic rock such as serpentinites peridotites and ultra mafics with “ spinifex” structures were noted by Government Geologists. Iron formations were also mapped. The complex Granite batholith is also considered to be Archaean in Age. North westerly trending faults are shown crossing Sewell and Reeves.

GEOLOGY OF CLAIMS 1128955 AND 1138955

The geology of claim 1128955, 1203939 and 1203956 in Sewell Township District Of Sudbury, Province Of Ontario, is shown on the Geology Map - Scale 1:1250 (metric) in the back pocket of this report. The legends for the rock types are shown on the Geology Map.

All of the rock types except the diabase are considered to be Archaean in Age. The diabase is believed to be of middle Precambrian Age. The single diabase outcrop mapped by the writer appears to be a brown weathering, ophitic textured Matachewan

diabase speckled with white feldspar and black hornblende crystals.

The Granite outcrops mapped by the writer were coarse grained white feldspar with 15% hornblende and 10% quartz eyes. These outcrops are designated as white hornblende Granite on the Geology Map.

The meta mafic tuffs appear to consist of folded, crenulated mafic tuffs with considerable epidote observed in local outcrops. Strikes and dips were taken where possible.

The hornblendic Amphibolites prominent toward major Granite contacts have small feldspars developed and local small granitic stringers.

The ultra mafic rocks particularly the dark green serpentized graphitic peridotites are best displayed in the McIntyre Mines Ltd. drill core. No spinifex structure was noted and the conformable Gabbro may indicate a differentiated type of intrusive.

This rock was intruded by granitic dykes classed as granodiorite by the McIntyre geologist.

Outcrops mapped by the writer near the Nickel values appeared to be a bluish grey serpentinite with pyroxenes developed locally. Fine to coarse grained disseminated pyrrhotite and pentlandite is locally present. Often the mineralized serpentinite is not magnetic or only very weakly magnetic. A silver mineral millerite? is also present.

The hillside is heavily fractured and rusty in appearance, a I. P. response is indicated up a slope from the small Nickel showings.

Mafic to intermediate volcanics were indicated by local outcrops often with small patches of rust and gossan due to disseminated pyrite and/or pyrrhotite. None of these showings were nickeliferous.

CONCLUSIONS AND RECOMMENDATIONS

Stripping of the hillside by “ backhoe “ is recommended and also stripping a small linear at the base of the hill that may be a strong fault zone.

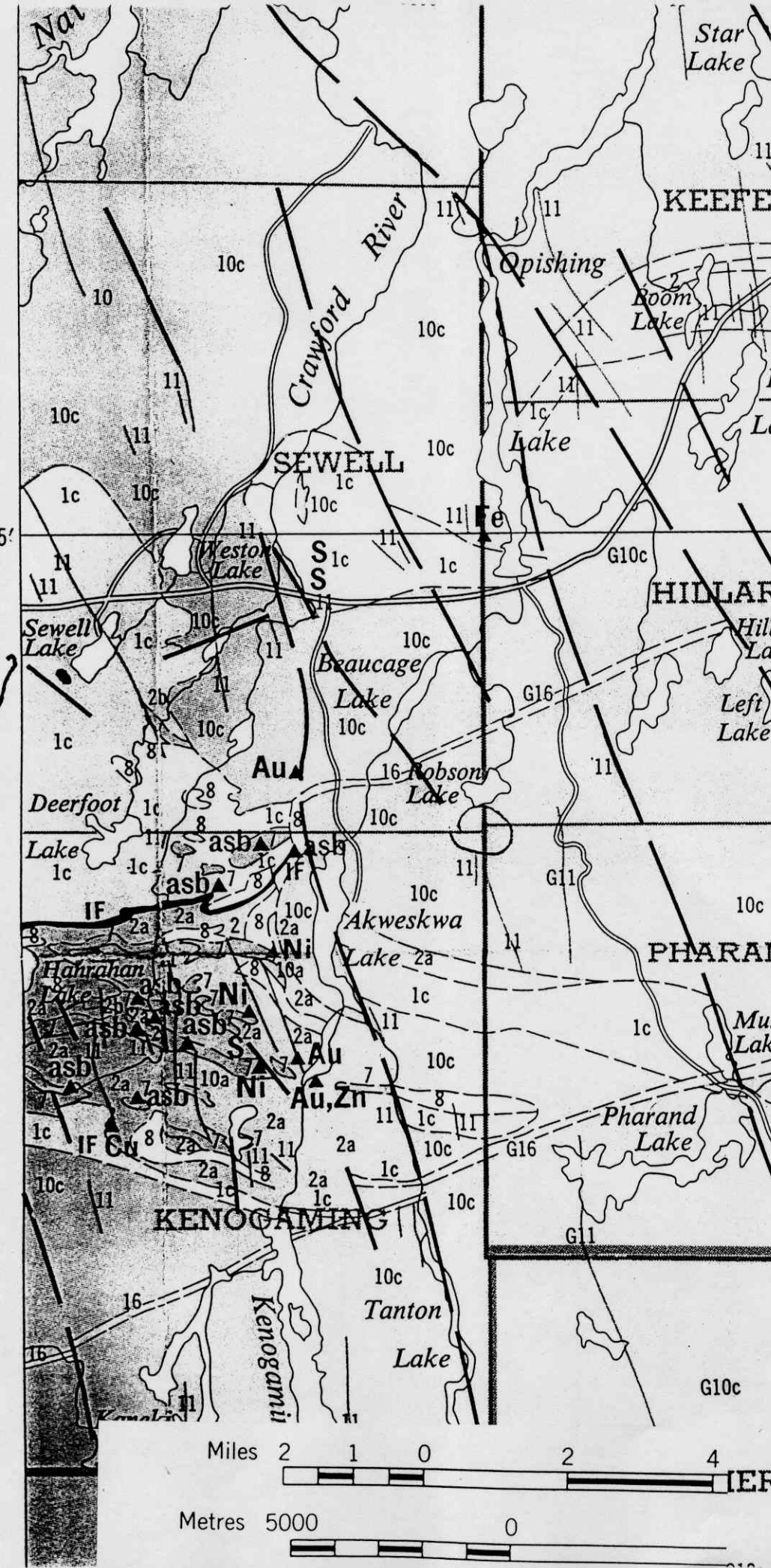
Drilling 1 drill hole to test the I. P. response up a slope from the Nickel mineralization is also recommended.

The I. P. responses in the Granite area are highly suspect unless the responses are so strong that sulfides are thought to indicate mineralized shears in this area.

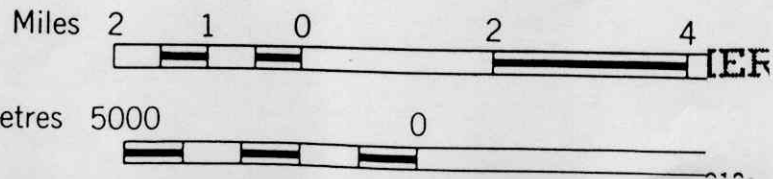
Respectfully submitted for consideration.


C. D. MacKenzie

Consulting Geologist

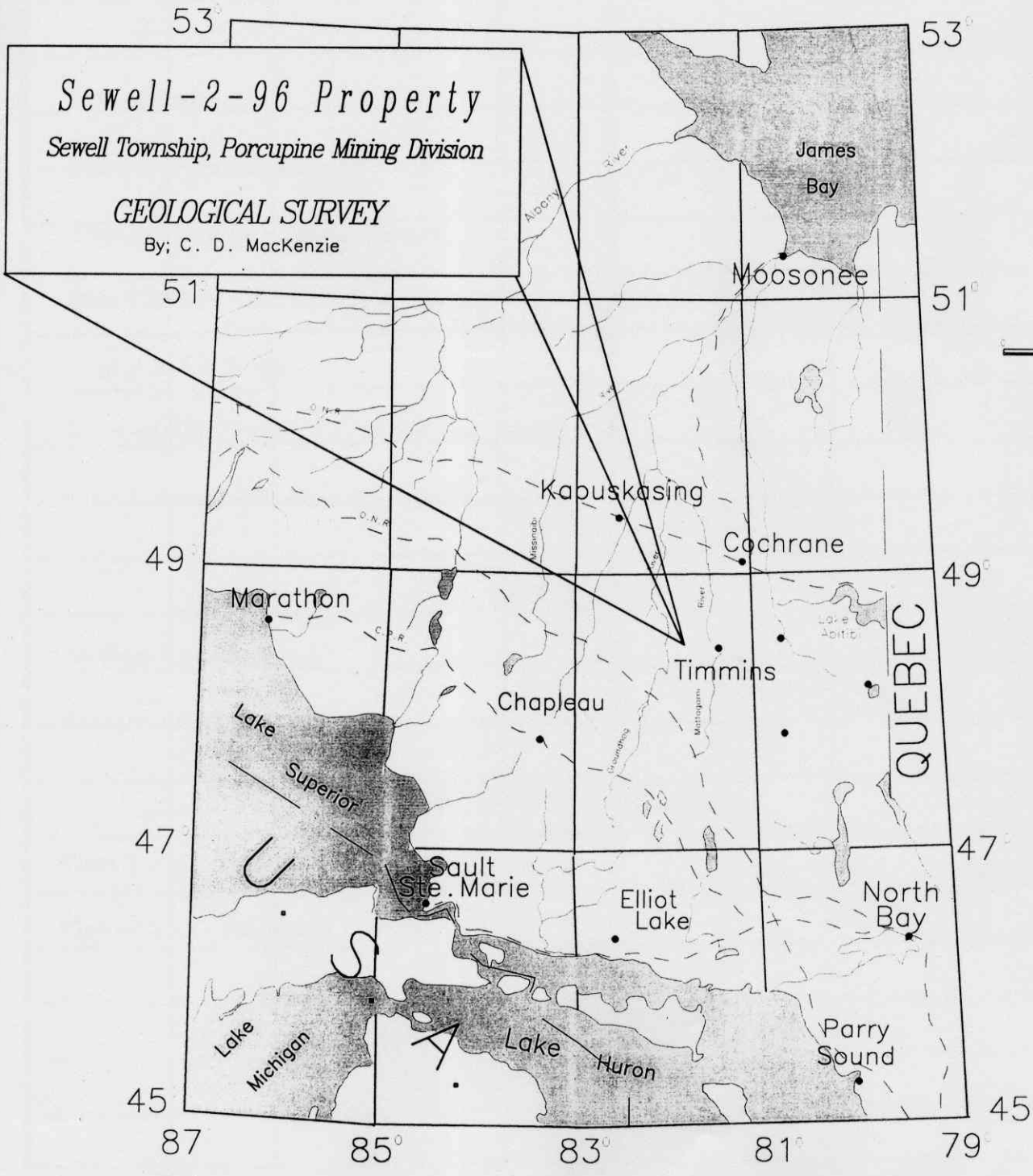


- MIDDLE PRECAMBRIAN ALKALIC INTRUSIVE ROCKS**
- 15 Syenite, nepheline syenite.
- MAFIC INTRUSIVE ROCKS^a**
- 14 Diabase, granophyre: sheets and dikes.
- INTRUSIVE CONTACT**
- HURONIAN SUPERGROUP COBALT GROUP**
- Lorrain Formation
- 13 Quartzite, arkose.
- Gowganda Formation
- 12 Unsubdivided.
 - 12a Firstbrook Member: argillite, greywacke, siltstone, arkose.
 - 12b Coleman Member: conglomerate, arkose, greywacke, quartzite, argillite.
- UNCONFORMITY**
- EARLY PRECAMBRIAN MAFIC INTRUSIVE ROCKS^b**
- 11 Diabase: dikes.
- INTRUSIVE CONTACT**
- FELSIC INTRUSIVE ROCKS^c**
- 10a Quartz porphyry, quartz-feldspar porphyry, feldspar porphyry, granophyre, felsite
 - 10b Trondhjemite, granodiorite, quartz monzonite: simple batholiths and stocks
 - 10c Trondhjemite, granodiorite, quartz monzonite, quartz diorite, aplite, pegmatite, migmatite: complex batholiths.
- 9 Syenite, monzonite, feldspar porphyry
- METAMORPHOSED MAFIC AND ULTRAMAFIC ROCKS^d**
- 8 Gabbro, diorite, lamprophyre.
 - 7 Peridotite, dunite, pyroxenite, serpentinites
- INTRUSIVE CONTACT**
- METASEDIMENTS^e**
- 6 Conglomerate, greywacke, siltstone, slate, argillite
 - 5 Greywacke, siltstone, slate, argillite and minor pebble conglomerate
- METAVOLCANICS^f**
- ALKALIC METAVOLCANICS^h**
- 4 Trachyte, leucitic trachyte; flows, tuff, breccia.
- ULTRAMAFIC METAVOLCANICS^k**
- 3 Serpentinized dunitic and peridotitic flows.
- FELSIC METAVOLCANICS^j**
- 2 Unsubdivided.
 - 2a Pyroclastic rocks.
 - 2b Flows.
- INTERMEDIATE AND MAFIC METAVOLCANICSⁱ**
- 1 Unsubdivided.
 - 1a Intermediate flows.
 - 1b Intermediate pyroclastic rocks.
 - 1c Mafic flows and pyroclastic rocks.
- IF** Iron formation and ferruginous chert (occurs as a member of stratigraphic units 1, 2, 4, and 5).
- S** Sulphide mineralization.



~~DUPPLICATE~~
~~ONLY~~

Report of Work **2.16963**
for
Cross Lake Mineral Ltd



Sewell-2-96 Property
Sewell Township, Porcupine Mining Division
GEOLOGICAL SURVEY
By: C. D. MacKenzie

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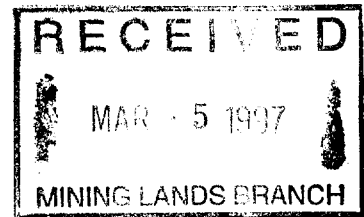


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APPENDIX

Author Certification

Assay Certificates

PLAN MAPS & FIGURES

Plan 1 : 1:2500 Geology Plan Map	(pocket)
Figure 1 : Property Location Map	1



42A05SW0007 2.16963 SEWELL

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INTRODUCTION

The following report pertains to the Geology of part of the claims in Sewell Township presently under option to Cross Lake Minerals Ltd.

The geology presented on Plan 1 (pocked) was produced from the geological survey results completed by the author. The survey started October 2, 1996 and was completed by October 13, 1996. The author also took a few carb samples on the property. The location and results of these samples can be seen on Plan 1. The assay certificates can be found in the appendix of the report.

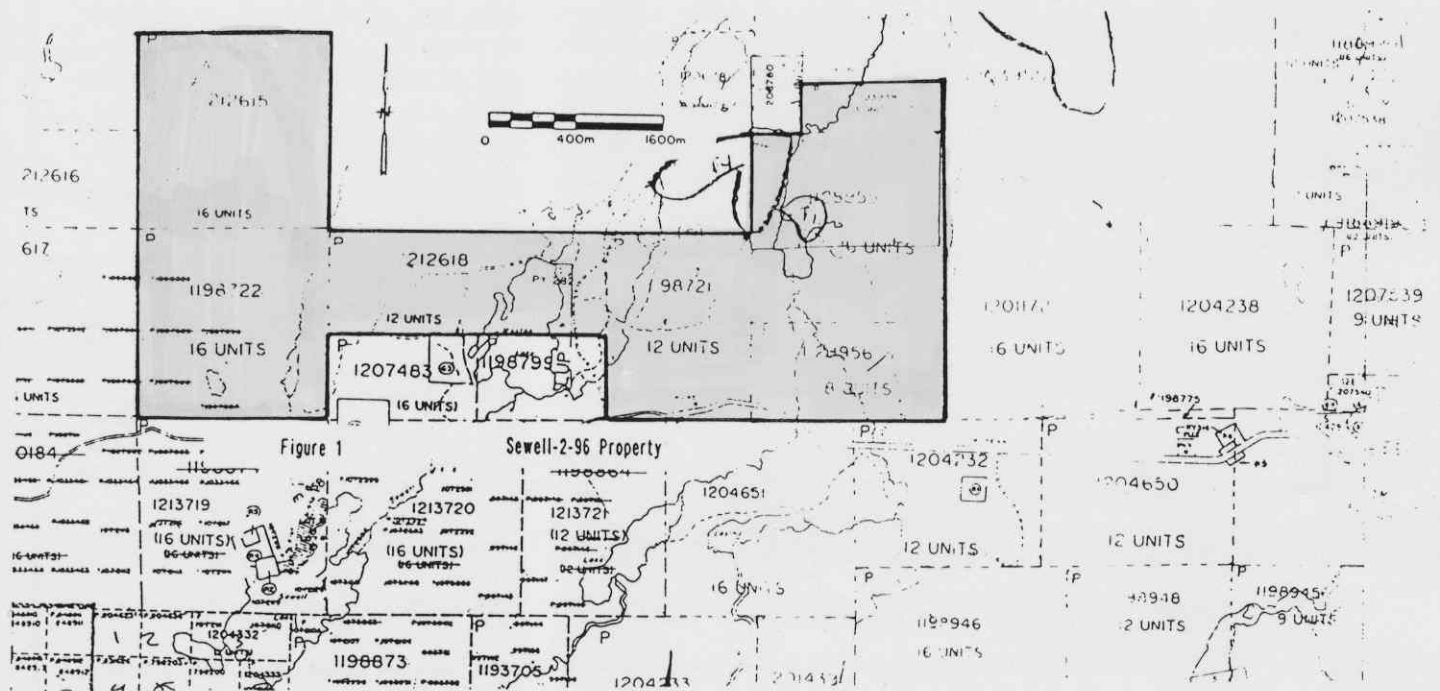


Figure 1: Sewell-2-96 Property, Sewell Township claim map in part.

LOCATION AND ACCESS

The property is easily reached from the city of Timmins, Province of Ontario, by car travelling west on Highway 101 for 62 km and turning north on a bush road for a distance of 3 km to the Hydro Line right of way which crosses the property.

TOPOGRAPHY OF THE CLAIM GROUP

A series of outcrop ridges strikes northerly across the claim group. Much of the high ground is well forested by Jack Pine, Spruce Birch and Fir. Local sand ridges and boulder - gravel hills are also present. One large creek is present on the property surrounded by Alder Tamarack swamps. See the map in the back pocket of this report.

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The geology of claim 1128955 and 1203939 in Sewell Township District Of Sudbury, Province Of Ontario, is shown on the Geology Map - Scale 1:2500 (metric) in the back pocket of this report. The legends for the rock types are shown on the Geology Map (Plan 1).

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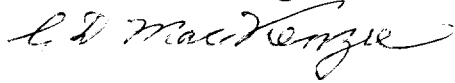
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Respectfully submitted for consideration.

C. D. MacKenzie

Consulting Geologist

A handwritten signature in cursive script that reads "C. D. MacKenzie".

CERTIFICATION

I Cliff MacKenzie of Timmins, Ontario

Certify

1. I am a graduate of Acadia University, Wolfville Nova Scotia, with BA in Geology Minor Chemistry class of 1952.
2. I have been practicing my profession in Canada, New Foundland and Labrador for 45 years.
3. I have no direct interest in the property reported on.

DATE: Feb 18/97
Timmins, ON

Cliff MacKenzie
Mr. Cliff MacKenzie



Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

6W-3737-RG1

Company: MC EXPLORATION SERVICES INC

Date: SEP-26-96

Project:

Attn: M. Caron

We hereby certify the following Geochemical Analysis of 2 Rock samples submitted SEP-24-96 by .

Sample Number	Ag PPM	Co PPM	Cu PPM	Ni PPM
5856	0.2	172	-	6300
5857	0.2	122	1110	4730

Certified by



Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying - Consulting - Representation

Geochemical Analysis Certificate

6W-3704-RG1

Company: **M.C. EXPLORATION**

Project:

Date: SEP-27-96

Attn: M. Caron

We hereby certify the following Geochemical Analysis of 1 Rock samples submitted SEP-23-96 by .

Sample Number	Au PPB	Co PPM	Cu PPM	Ni PPM
5854	33	71	307	1620

One assay ton portion used.

Certified by



Report of Work Conducted After Recording Claim

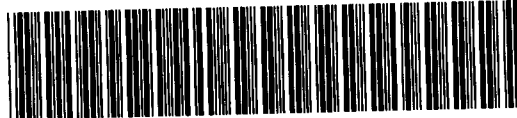
Mining Act

Transaction Number: **W9660.00585**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16963
work or consult the Mining

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Recorder.
 - A separate copy of
 - Technical reports
 - A sketch, showing



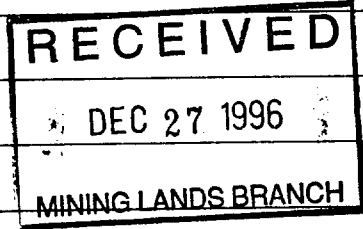
42A05SW0007 2.16963 SEWELL

900 n.

Recorded Holder(s) CROSS LAKE MINERALS LTD.		Client No. #122562
Address 1018-475 HOWE STREET VANCOUVER B.C. V6C-2B3		Telephone No. 604-688-5448
Mining Division PORCUPINE	Township/Area SEWELL TWP	M or G Plan No.
Dates Work Performed From: SEPT 10 1996	To: OCT 31 1996	

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	GEOLOGICAL MAPPING
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **5,000.00**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
MIC EXPLORATION SERVICES	P.O BOX 362 PORCUPINE, ONTARIO PON-1C0
C.D. MACKENZIE	" " " " " "

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date NOV 9 1996	Recorded Holder or Agent (Signature) AGENT Mike Caron
--	---------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying MIKE CARON P.O BOX 362 PORCUPINE ONTARIO PON-1C0		
Telephone No. 705-235-8660	Date NOV 9 1996	Certified By (Signature) Mike Caron

For Office Use Only

Total Value Cr. Recorded \$5,000.	Date Recorded	Mining Recorder undated Gary White	Received Stamp RECEIVED (c) NOV 12 1996
	Deemed Approval Date FEB 10 1997	Date Approved	
	Date Notice for Amendments Sent		

TR 8:50 PM PORCUPINE MINING DIVISION

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1203939	3
	1128955	16
	1212618	12
Total Number of Claims		3

Value of Assessment Work Done on this Claim	Value Applied to this Claim
\$2,767.00	X
\$2,233.00	X
X	\$4,800.00
9 Claims 19 Units	
Total Value Work Done	\$5,000.00
Total Value Work Applied	\$4,800.00



63

2.169

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
\$2,767.00	
\$2,033.00	\$200.00
Total Assigned From	\$4,800.00
Total Reserve	\$200.00

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented Signature Date



March 7, 1997

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

Gary White
Mining Recorder
Ontario Government Complex
P.O. Bag 3060, Hwy 101 East
South Porcupine, ON
P0N 1H0

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

Dear Sir or Madam:

Submission Number: 2.16963

Status

Subject: Transaction Number(s): W9660.00585 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at beneteau_s@torv05.ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Work Report Assessment Results

Submission Number: 2.16963

Date Correspondence Sent: March 07, 1997

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9660.00585	1203939	SEWELL	Approval After Notice	March 06, 1997

Section:

12 Geological GEOL

All deficiencies associated with this submission have been corrected. Accordingly, assessment credit has been approved as outlined on the original Report of Work form.

Correspondence to:

Mining Recorder
South Porcupine, ON

Resident Geologist
Timmins, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Mike Caron
PORCUPINE, ONTARIO

CROSS LAKE MINERALS LTD.
VANCOUVER, B.C.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Location	Order No.	Date	Disposition	File
SEC 43/70 W 30/77	113/77	S.R.O.		135748
SEC 43/70 W 10/78	10/4/78	S.R. -M.R.		28543
SEC 43/70 W 10/78	14/11/78	S.R.O.		135748
DUMP ATTENUATION ZONE (K)				
SEC 36/80 W 48/83	14/8/83	S.R. -M.R.		

NOT OPEN FOR STAKING, BONA VIDE APPLICATION UNDER PUBLIC LANDS ACT PENDING 21/01/87

THIS TWP SUBJECT TO FORESTRY ACTIVITY IN 1995-96. AREAS DESIGNATED EXACTLY AS SUBMITTED BY MHR TIMMINS.

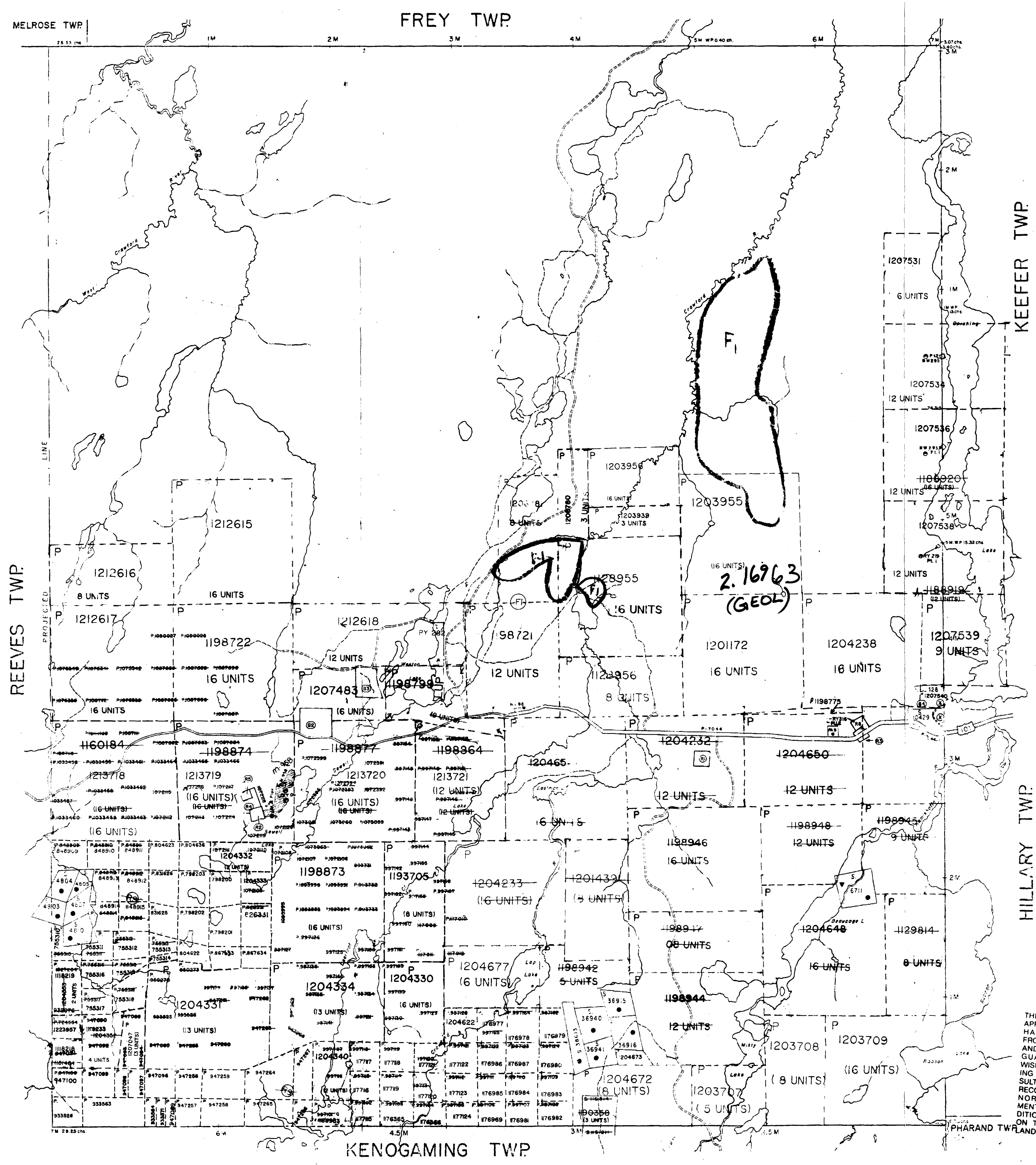
SURFACE AND MINING RIGHTS WITHDRAWN FROM PROSPECTING - STAKING OUT, SALE OR LEASE UNDER SECTION 38 OF THE MINING ACT, R.S.O. 1990 DATED 26-NOV-88 AT 12:47 P.M. ORDER NO. 0-P-34/796 HER (EXCLUDING P-724584)

SURFACE AND MINING RIGHTS RE-OPENED FOR PROSPECTING STAKING OUT, SALE OR LEASE UNDER SECTION 38 OF THE MINING ACT, R.S.O. 1990 DATED 26-NOV-20 AT 13:00 P.M. ORDER NO. 0-P-34/796 HER (724584)

SURFACE AND MINING RIGHTS RE-OPENED FOR PROSPECTING STAKING OUT, SALE OR LEASE UNDER SECTION 38 OF THE MINING ACT, R.S.O. 1990 DATED 26-NOV-20 AT 13:00 P.M. ORDER NO. 0-P-34/796 HER (724584) THIS ORDER COMES INTO EFFECT ON DEC. 9, 1994 AT 8:00 A.M.

SAND AND GRAVEL

- M.T.C. PT 1877
- M.T.C. PT 341 FILE 135748
- M.T.C. PT 1878



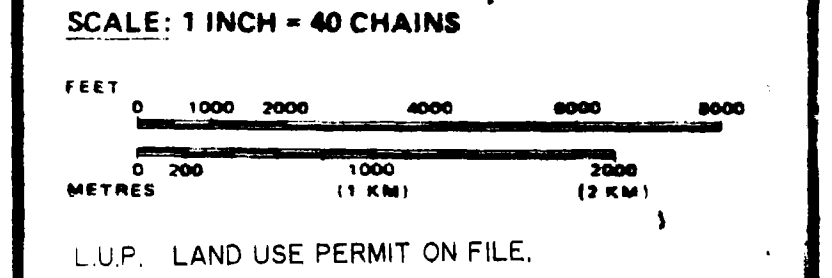
LEGEND

- 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	○
RESERVATION	OC
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1978, CHAP. 280, SEC. 81, SUBSEC. 1.



L.U.P. LAND USE PERMIT ON FILE.
 not updated

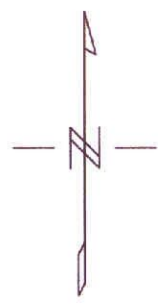
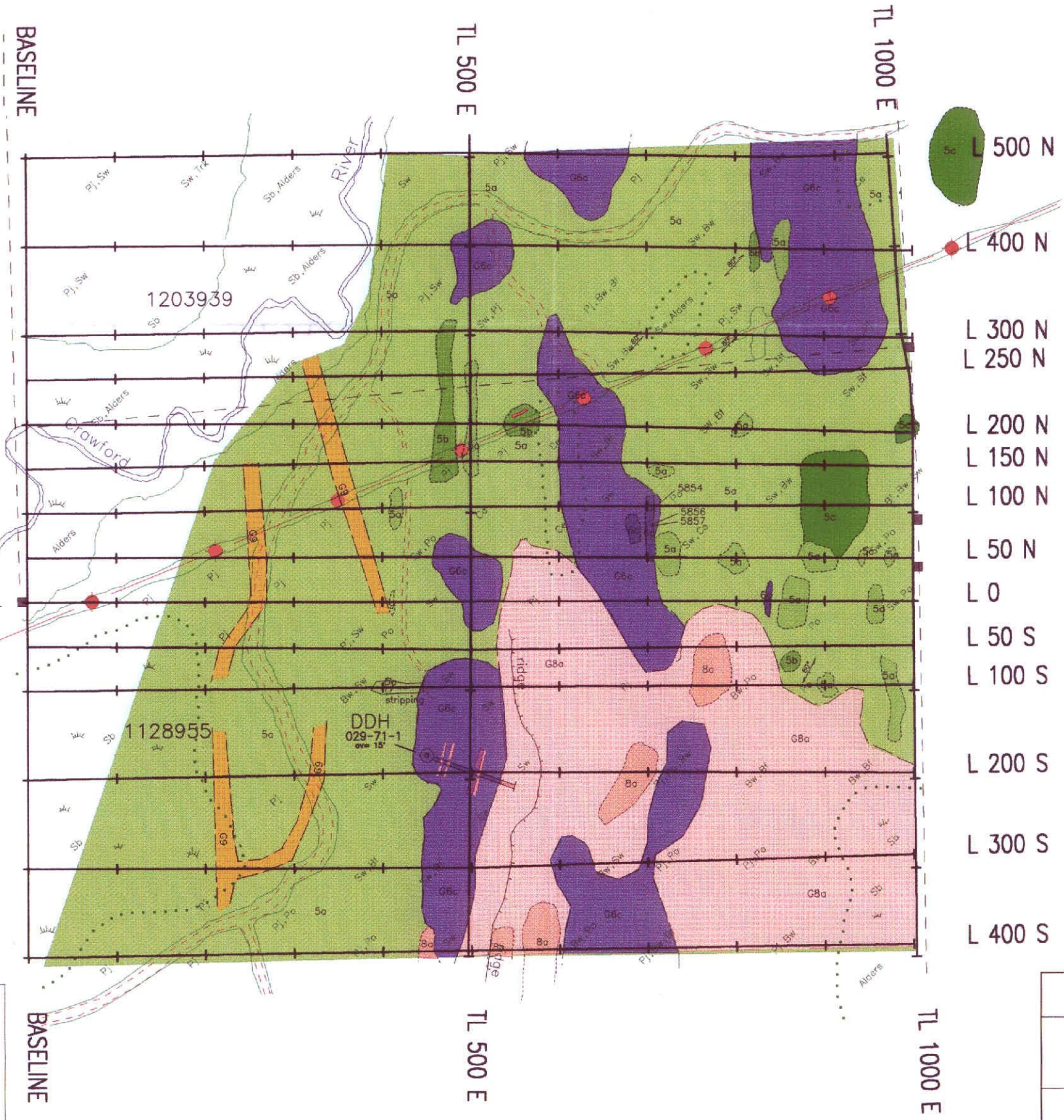


TOWNSHIP 2-16963
SEWELL
 M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
 MINING DIVISION
PORCUPINE
 LAND TITLES / REGISTRY DIVISION
SUDBURY

Ministry of Natural Resources
 Land Management Branch
 Ontario

Date MARCH, 1985
 Number G-3247
 CHECKED BY MCR, PLACED ON ACTIVE FILE 03/05/08

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.



GEOLOGY

Early Precambrian

- 9 Diabase

Intrusive Rocks

- 8a White Coarse Grained Hornblende Granite
- 7b Gabbro

Metamorphosed Mafic To Intermediate Volcanic Rocks

- 6a Serpentine
- 6b Pyroxenite
- 6c Peridotite

Mafic To Intermediate Metavolcanic Rocks

- 5a Mafic
- 5b MetaTuff
- 5c Amphibolite with Feldspar

Inferred Geological Boundary 80° Foliation

Outcrop Quartz Vein

G Geophysically Inferred

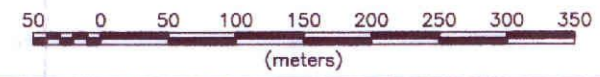
2-16963

RECEIVED
DEC 27 1996
MINING LANDS BRANCH

Grab Sample Geochem Analysis

Sample	Ag	Co	Cu	Ni
5854	na	71	307	1620
5856	.2	172	-	6300
5857	.2	122	1110	4730

Results in PPM



Cross Lake Minerals Ltd

Sewell-2-96 Property
GEOLOGY

Sewell Townships NTS: 42-A / SW
Porcupine Mining Division

M. C. Exploration Services Inc. Oct 1996.



VEGETATION

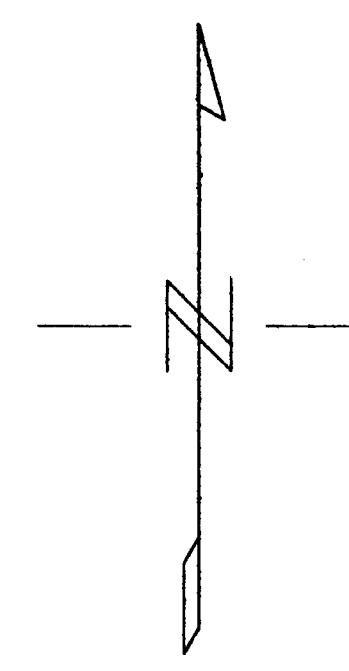
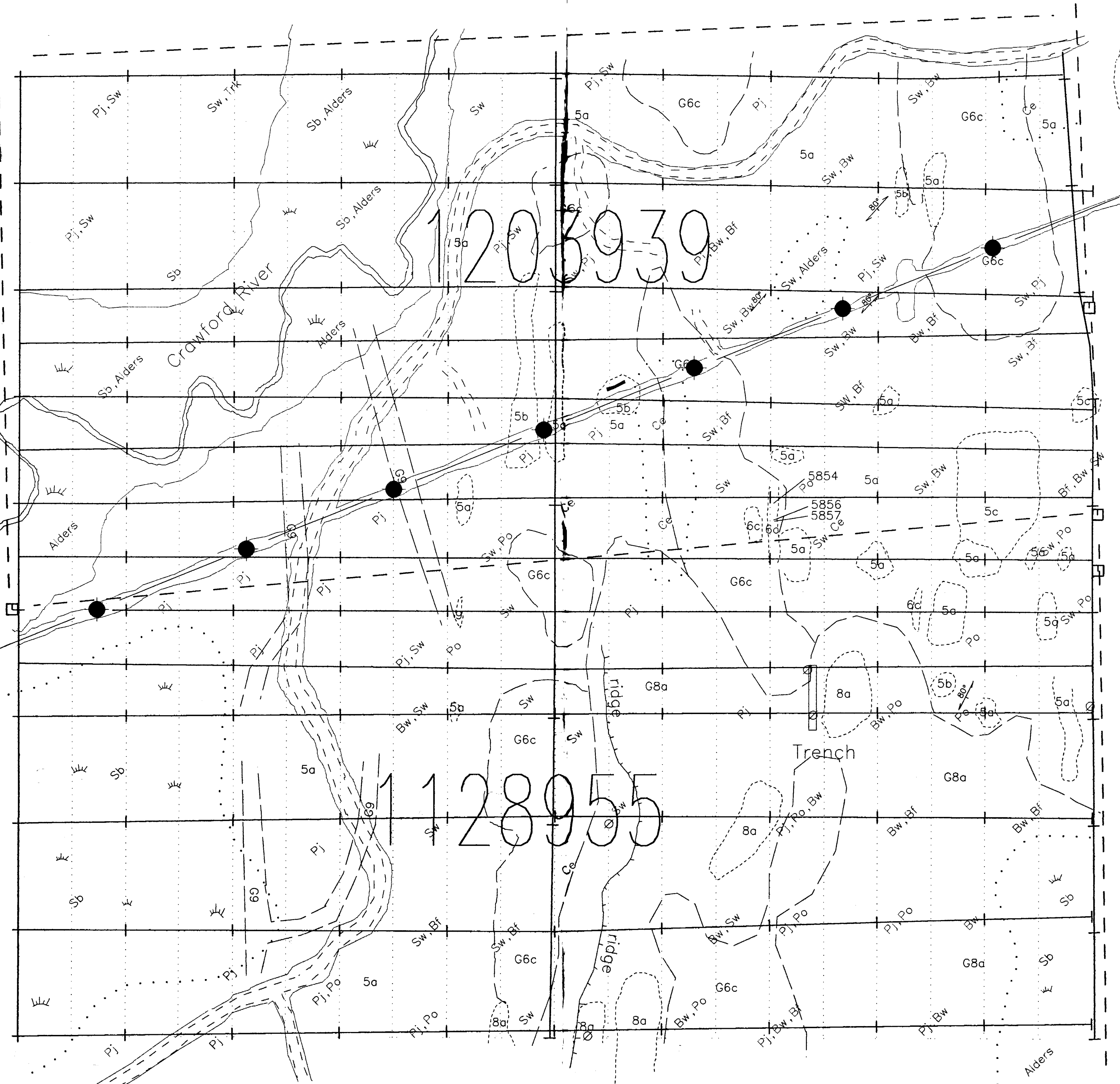
- Bw Birch White
- Bf Balsam Fir
- Pj Jack Pine
- Pa Poplar
- Sb Black Spruce
- Sw White Spruce

— Bush Edge

..... Swamp Edge

L 500 N
L 400 N
L 300 N
L 250 N
L 200 N
L 150 N
L 100 N
L 50 N
L 0
L 50 S
L 100 S
L 200 S
L 300 S
L 400 S

L_c 500 N
L 400 N
L 300 N
L 250 N
L 200 N
L 150 N
L 100 N
L 50 N
L 0
L 50 S
L 100 S
L 200 S
L 300 S
L 400 S

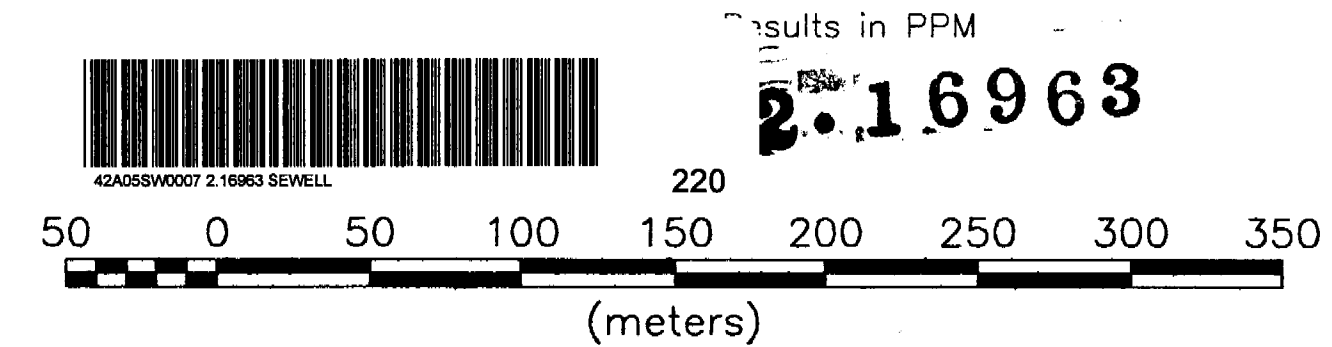


GEOLOGY

- Early Precambrian
 - Diabase
- Intrusive Rocks
 - White Coarse Grained Hornblende Granite
 - Gabbro
- Metamorphosed Mafic To Intermediate Volcanic Rocks
 - Serpentine
 - Pyroxenite
 - Peridotite
- Mafic To Intermediate Metavolcanic Rocks
 - Mafic
 - MetaTuff
 - Amphibolite with Feldspar
- Inferred Geological Boundary (dashed line)
- Outcrop (dotted line)
- 80° Foliation (arrow with angle)
- Quartz Vein (solid line)
- G Geophysically Inferred

Grab Sample Geochem Analysis

Sample	Ag	Co	Cu	Ni
5854	na	71	307	1620
5856	.2	172	-	6300
5857	.2	122	1110	4730



VEGETATION

- Bw Birch White
- Bf Balsam Fir
- Pj Jack Pine
- Po Poplar
- Sb Black Spruce
- Sw White Spruce

- Bush Edge
- Swamp Edge

BASELINE

TL 500 E

TL 1000 E

Cross Lake Minerals Ltd

Sewell-2-96 Property
GEOLOGY

Sewell Townships NTS: 42-A / SW
Porcupine Mining Division

M. C. Exploration Services Inc. Oct 1996.