

2010 Work Assessment Report

Claims P-4253742 & P-4253743

**Wigle & Whalen Townships (M-1183 & M-1179)
Porcupine Mining Division**

**NTS Map Sheet 41P/13SW
47-50-40 N 81-51-45 W**



Prepared By:

**Ed Shynkorenko
(Lic. M-25405)**

February 1st 2011

P-4253743

Forward:

This report builds upon what has been previously documented of the "Redore Occurrence", a pegmatite system known to host commodities such as beryl, tin, tantalum, and niobium, as well as considerable quantities of potassium feldspar.

The property, being mining claims P-4253742 and P-4253743, is situated in the southeast quadrant of Wigle Township, and the Northeast quadrant of Whalen Township, Porcupine Mining Division. The said claims are held 100% by Ed Shynkorenko Lic. M-25405, and were staked by the holder in March and July of 2010.

The 2010 field work consisted of; prospecting, sampling, and mapping, all of which were accomplished over a period of 5 man-days commencing July 2nd, 2010 and continuing intermittently until August 1st, 2010. All field tasks were performed by Ed Shynkorenko with the assistance of fellow prospector Peter Hermeston (Lic.1003623). All required illustrations/maps are contained separately within the Appendices of this document.

Expenditure rates for work, transportation, etc. were derived from industry standards.

Based on the results of the data compiled further work will be undertaken on the subject area in 2011 which will involve additional prospecting, sampling, and assaying.

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Introduction/History:

The subject property has been known to host rare minerals as well as a considerable quantity of feldspar. A search of files, both at the Porcupine Resident Geologist office in Timmins, and online, indicated the following:

- (a) The general area was staked in 1925 by Johns, Leach & Lahard, who undertook a work-exploration program, presumably for the feldspar component.
- (b) In 1931, a company known as “Bethnal Mineral Waters” explored mineral water potential of the general area.
- (c) In 1932, a Mr. Ramsay submitted samples of a “black mineral” taken from a trench near the Canadian National Railway (CNR) tracks to the Geological Survey of Canada for assaying. The results were not recorded.
- (d) In 1938, a Mr. Yorke-Hardy, in conjunction with the Redore Mining Company, acquired the said area along with additional adjoining claims. On December 7th, 1938 W.B Griffin, Managing Director of the Redore Mining Company wrote to the Algoma Steele Corporation Limited advising them of exploration work undertaken at Mileage 101.5 of the CNR, west of Gogama. In this letter (on file with MNDM&F) very encouraging assayed results for beryllium, tin, and columbium-tantalite were quoted. Griffin indicated that immediate plans included the establishment of an on site 50-ton magnetic separator. The area was worked until circa 1941 during which time pegmatite outcrops ranging from 30 metres to 120 metres in width, and up to 1000 metres in length were noted.
- (e) In 1946 the Redore Mining Company again worked the property. In 1948 the Redore Mining Company conducted additional exploration which included stripping, trenching, and a radiometric survey, of which the results remain unknown. It is alleged that material was removed from the site by rail.
- (f) In 1972 a Mr. W. Cushing staked the area but submitted no work for assessment.
- (g) In 1983, the Ontario Geological Survey published Industrial Minerals of Northern Ontario (Supplement 2), in which the subject property was listed as a “*major occurrence*”.
- (h) In June 1993, MND&M staff provided the general area with a physical description of the local geology.
- (i) During March and July 2010 the subject property was staked by Ed Shynkorenko.

List of Illustrations:

All required illustrations, maps, and sketches referred to in this document are contained within the attached appendices.

Location:

The subject work area, on the north and south sides of the CNR at Mileage 101.5 is contained within the 9 unit staked mining claim P-4253742, and 4 unit claim P-4253743, both located within Wigle and Whalen Townships, Porcupine Mining Division. (See Appendix A "Location Map" and Appendix B "Claim Map/Key Map Abstracts and List").

Access:

The property is situated approximately 27 kilometres northwest of Gogama, Ontario. During summer months, or in winter when the road system is ploughed, the property can be readily accessed by 2 wheel drive vehicle to approximately the centre of claim P-4253743. Access is gained by utilizing a Gogama Forest Unit road which commences westward from Highway 144 approximately 1.7 kilometres north of the Highway 144 & Highway 661 junction (See Appendix C "Access Map").

Regional Geology:

As previously documented (MND&M, 1993); "*The host Kenogamissi granite body in the area consists of a massive to weakly foliated, medium grained (1 to 3mm) biotite, hornblende granite. Hornblende is anhedral and forms about 5% of the rock. Biotite forms between 5 and 10% of the rock. Quartz, which forms 20 to 30% the rock locally, has a discrete red brown stain. In the general area there are numerous small pegmatite bodies which have an irregular form but a rough average trend north-south. These pegmatites are repetitively zoned with a variable grain size and mineral percentages.*" At the locations examined the description provided by the MND&M appears to be quite accurate (See Appendix D "Regional Geology Map").

Generally, localized topography conditions are commonly shared amongst the outcrops studied, with exposed perimeters that can, more or less, be delineated via air photography. Elevations on the property range from 380 metres to 440 metres above sea level. The said exposed outcrops are, for the most part, steeply sloped along their southern aspect. On average the outcrops dip sharply easterly at approximately 140 degrees. Soils consist of a shallow organic "A" horizon covering coarse gravel and in some places sand.

The subject area is situated within a traditional Boreal Forest and Great Lakes St. Lawrence Forest transitional zone setting. Forest cover includes cedar, black spruce, and tamarack in the lower, wetter areas changing to a white spruce, white pine, jack pine, red pine, balsam fir, white birch, and red maple over the more elevated areas of the property. The property hosts three small lakes and is drained by several creek systems.

Work Program:

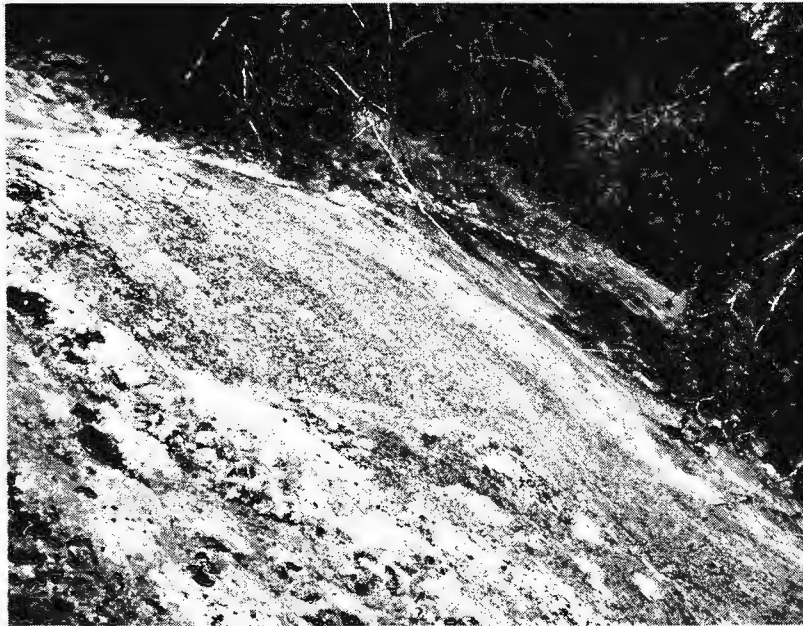
Rationale:

The objective of the undertaken reported in this document was to physically locate/confirm the area(s) within the boundaries of the property which produced the quoted 1938 assayed results of the Redore Mining Company (*Resident Geologist Timmins file T-4284*). Minerals, such as tantalum, niobium, and beryllium are expected to grow in economic importance as society further incorporates more elaborate alloys and high tech devices into everyday aspects of life. Given the documented high assay values quoted by the Redore Mining Company an effort to collect additional field information was undertaken by the author.

Mapping and Grab Sampling:

A total of 5 intermittent man-days were spent prospecting, sampling, and mapping numerous pegmatite outcrops and veins (*See Appendix E "Assessment Work Performed on Mining Lands Form"*). The exposed areas of these particular pegmatite outcrops were mapped and recorded using a handheld GPS unit (*Garmin E-Trex Venture HC model*). All readings are in NAD 83 and should be considered accurate to within 3 metres, more or less. Distances traversed, along with locations of the samples taken, are indicated on the enclosed work compilation map (*See Appendix F "Work Compilation Map"*).

The assayed results of the samples taken are also provided (*See Appendix G "Assay Results"*).



Exposed Pegmatite Outcrop North of Wamukuwin Lake

Daily Log:

July 2nd 2010:

Claim P-4253742, prospected by Ed Shynkorenko and Peter Hermeston (*See Appendix H "Statement of Assisting Prospector"*); 2.3 kilometers traversed. One sample was taken and assayed. The exposed aspects of several pegmatite outcrops located north of the CNR were charted. Distinctive folding is evident along the southern wall of the most eastern outcrop visited. Field observations noted biotite mica, quartz, and flesh coloured feldspar averaging 0.5 to 1 centimeter in length.

July 27th 2010 (a.m. & p.m.)

Claim P-4253742 prospected by Ed Shynkorenko and Peter Hermeston; 2.7 kilometres traversed. Several additional pegmatite outcrops prospected. Pegmatite vein systems trending north/south were located. Three samples were taken and assayed. Field observations noted quartz, flesh coloured feldspar and biotite mica.



Pegmatite Vein North of Wamukuwin Lake

July 31st 2010

Claim P-4253743 prospected by Ed Shynkorenko; 1.02 kilometres traversed. A water/debris filled trench situated along the south edge of the CNR right of way was inspected. Two samples were taken, one of which was from a large nearby boulder displaying pegmatite veins (camped out overnight).

Daily Log continued:

August 1st 2010

Southern portion of Claim P-4253742 prospected by Ed Shynkorenko; 2.6 kilometres traversed. Several exposed faces of a continuous north facing cliff side were inspected, no samples were taken.

Conclusions:

To date, the pegmatite veins sampled, and assayed did not confirm the Redore Mining Company findings of 1938.

Recommendations:

- (a) Further prospecting, sampling, and assaying be undertaken on claim P-4253742, and in particular that portion of the claim situated south of the CNR tracks.
- (b) Additional pegmatite outcrops be mapped, sampled, and assayed as encountered.

Author Qualifications:

The author is an honour graduate of the Sault College of Applied Arts and Technology forestry program (1980, Sault Ste. Marie, Ontario), and is a long time employee with the Ministry of Natural Resources. Throughout the past 30 years he has been exposed to numerous mining projects (Hemlo, Detour Lake, and Agrium). As a private individual he has staked and transferred numerous mining claims since 1983. In 1996 he staked, and successfully optioned, the "Case Pegmatites", situated in Steele Township, Larder Lake Division.

An avid reader of any accredited material pertaining to pegmatites the author is in the process of expanding his knowledge base in order to augment his prospecting efforts. Prospecting is his life-long hobby.

Communications (Direct & Indirect):

Peter Hermeston, fellow prospector, Cochrane, Ontario.

Glenn Seim, MNDM&F, Timmins Ontario / MNDM&F staff, Sudbury, Ontario

References:

OGS Report 5439 "Industrial Minerals of Northern Ontario-Supplement 2" (Vos and Smith) 1983, page 207.

GSC Report No. 23 "Geology of Canadian Beryllium Deposits" (Mulligan) 1968.

Resident Geologist Library (Timmins), Files: 2.24204, 2.29680 and T-4284

MNDM&F File: MDI41P13SW00003

APPENDICES

Sault Ste. Marie Sudbury

GENERAL LOCATION OF PROPERTY



The map displays a network of roads and highways connecting various towns and cities. Major roads include Highway 101 running north-south and Highway 124 running east-west. Towns shown include Sault Ste. Marie, Elliot Lake, and Sudbury. The map also features numerous lakes, such as Lake Huron, Lake Simcoe, and Lake Simcoe, and rivers like the St. Marys River and the French River. A specific area is highlighted with a black circle and labeled 'GENERAL LOCATION OF PROPERTY'. The map includes grid lines for latitude and longitude, with page numbers 12, 13, 14, 15, 16, and 17 at the top. Key locations include Sault Ste. Marie, Elliot Lake, and Sudbury. The map also shows provincial boundaries for Algoma and Huron counties.



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Mining Claim Abstract

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Due Date:	2012-Mar-29	Recorded:	2010-Mar-29
Work Required:	\$ 3,600	Staked:	2010-Mar-27 18:38
Total Work:	\$ 0	Township/Area:	WIGLE (M-1183)
Total Reserve:	\$ 0	Lot Description:	
Present Work Assignment:	\$ 0	Claim Units:	9
Claim Bank:	\$ 0		

Claim Holders

SHYNKORENKO, EDWARD (100.00 %)

194158

Transaction Listing

STAKER 2010-Mar-29

RECORDED BY SHYNKORENKO, EDWARD
(M25405)

R1060.00926

Claim Reservations

01 400' surface rights reservation around all lakes and rivers

02 Sand and gravel reserved

03 Peat reserved

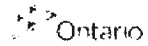
04 Other reservations under the Mining Act may apply

05 Including land under water

11 Excluding railway right of way

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Mining Claim Abstract

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Due Date:	2012-Jul-29	Recorded:	2010-Jul-29
Work Required:	\$ 1,600	Staked:	2010-Jul-27 16:20
Total Work:	\$ 0	Township/Area:	WHALEN (M-1179)
Total Reserve:	\$ 0	Lot Description:	
Present Work Assignment:	\$ 0	Claim Units:	4
Claim Bank:	\$ 0		

Claim Holders

SHYMKORENKO, EDWARD (100.00 %)

194158

Transaction Listing

STAKER 2010-Jul-29

RECORDED BY SHYMKORENKO, EDWARD
(M25405)

R1060.02609

Claim Reservations

01 400' surface rights reservation around all lakes and rivers

02 Sand and gravel reserved

03 Peat reserved

04 Other reservations under the Mining Act may apply

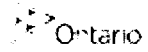
05 Including land under water

06 Excluding road

11 Excluding railway right of way

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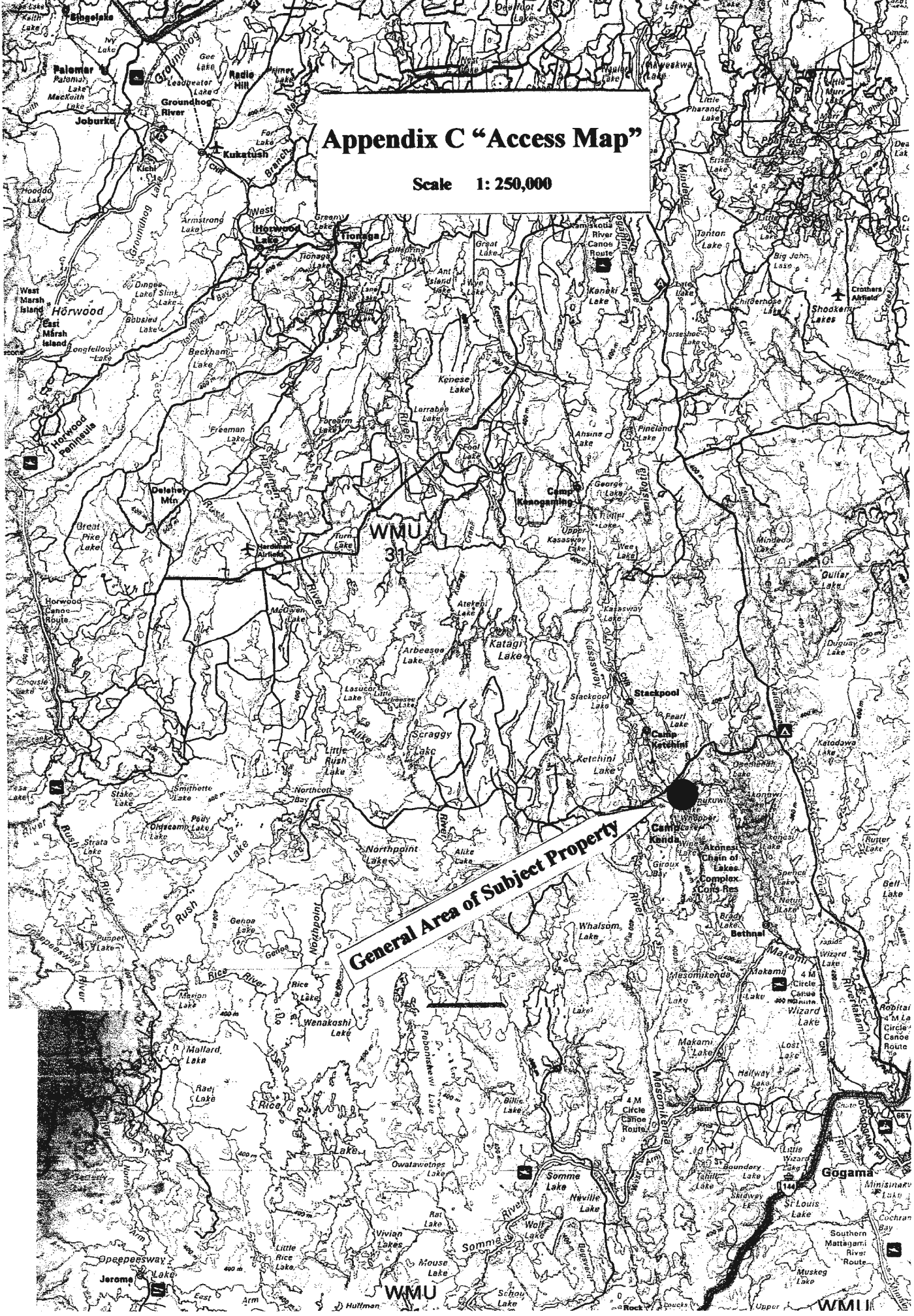
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List of Subject & Contiguous Claims

P-4253742 & P-4253743

Appendix C "Access Map"

Scale 1: 250,000





Minerals

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To: **ED SHYNKORENKO**
P.O. 1715
COCHRANE ON POL 1C0

Page: 1
Finalized Date: **12-SEP-2010**
This copy reported on
13-SEP-2010
Account: **EDSHYN**

CERTIFICATE TM10119497

Project: GOGAMA
P.O. No.:
This report is for 6 Rock samples submitted to our lab in Timmins, ON, Canada on 26-AUG-2010.

The following have access to data associated with this certificate:
ED SHYNKORENKO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41	51 anal. aqua regia ICMS

To: **ED SHYNKORENKO**
ATTN: ED SHYNKORENKO
P.O. 1715
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - D)
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Project: GOGAMA

CERTIFICATE OF ANALYSIS TM10119497

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm
GO-001		0.42	0.03	0.17	0.3	<0.2	<10	<10	0.19	0.21	0.04	<0.01	1.89	0.4	6	0.36
GO-002		0.12	0.02	0.22	0.4	<0.2	<10	10	0.14	0.04	0.06	0.02	3.76	0.6	2	0.35
GO-003		0.15	0.01	0.18	0.4	<0.2	<10	<10	0.06	0.04	0.02	0.01	0.41	0.5	4	0.16
GO-004		0.34	0.01	0.19	0.3	<0.2	<10	<10	0.13	0.04	0.05	0.01	3.27	0.4	4	0.46
GO-005		0.52	0.05	0.76	0.5	<0.2	<10	130	0.09	0.03	0.31	0.03	11.25	9.3	53	0.79
GO-006		0.41	0.24	0.09	0.4	<0.2	<10	<10	0.07	1.22	0.02	0.02	1.34	0.1	6	0.31

***** See Appendix Page for comments regarding this certificate *****



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Project: GOGAMA

CERTIFICATE OF ANALYSIS TM10119497

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
GO-001		3.0	0.50	1.27	<0.05	0.43	<0.01	<0.005	0.06	0.7	2.1	0.06	54	0.13	0.05	<0.05
GO-002		1.3	0.76	1.60	<0.05	0.12	<0.01	<0.005	0.10	2.0	4.9	0.05	123	0.11	0.05	0.50
GO-003		3.1	0.48	1.22	<0.05	0.08	<0.01	<0.005	0.05	0.2	1.2	0.04	53	0.14	0.06	0.10
GO-004		1.1	0.40	1.19	<0.05	0.06	<0.01	<0.005	0.06	1.9	3.2	0.05	69	0.07	0.04	0.47
GO-005		18.2	1.88	3.25	<0.05	0.07	<0.01	0.014	0.54	5.7	3.3	0.62	259	0.50	0.06	0.20
GO-006		1.4	0.28	0.74	<0.05	0.38	<0.01	<0.005	0.07	0.8	0.9	0.01	173	0.10	0.02	4.29

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Project: GOGAMA

CERTIFICATE OF ANALYSIS TM10119497

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
GO-001		1.3	<10	4.6	4.5	<0.001	0.01	<0.05	0.3	<0.2	<0.2	2.8	<0.01	<0.01	16.5	<0.005
GO-002		0.7	20	3.6	7.5	<0.001	0.01	<0.05	0.3	<0.2	0.2	8.4	<0.01	<0.01	2.0	0.012
GO-003		0.6	10	9.1	4.9	<0.001	0.01	<0.05	0.2	<0.2	<0.2	2.3	<0.01	<0.01	3.6	<0.005
GO-004		0.4	20	3.5	7.2	<0.001	0.01	<0.05	0.3	<0.2	0.2	4.3	<0.01	<0.01	1.8	0.008
GO-005		23.8	320	4.3	26.1	<0.001	0.11	<0.05	4.2	<0.2	0.2	19.0	<0.01	0.01	2.5	0.099
GO-006		0.4	10	7.6	7.8	<0.001	0.01	<0.05	0.7	<0.2	0.2	1.7	<0.01	<0.01	6.4	<0.005

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Project: GOGAMA

CERTIFICATE OF ANALYSIS TM10119497

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Tl	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5
GO-001		0.02	5.59	2	0.07	3.00	6	10.7
GO-002		0.04	1.11	4	0.05	0.46	12	1.9
GO-003		0.03	1.88	1	<0.05	0.31	4	1.8
GO-004		0.04	1.23	1	<0.05	0.46	7	1.4
GO-005		0.20	0.67	34	<0.05	2.70	40	1.8
GO-006		0.04	3.76	<1	0.06	6.24	3	5.4

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Finalized Date: 12-SEP-2010
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CERTIFICATE OF ANALYSIS TM10119497

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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INVOICE NUMBER 2133454

BILLING INFORMATION	
Certificate:	TM10119497
Sample Type:	Rock
Account:	EDSHYN
Date:	12-SEP-2010
Project:	GOGAMA
P.O. No.:	
Quote:	
Terms:	Due on Receipt C3
Comments:	

QUANTITY	CODE	ANALYSED FOR DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01	Administration Fee	30.00	30.00
6	PREP-31	Crush, Split, Pulverize	6.75	40.50
1.96	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65	1.27
6	ME-MS41	51 anal. aqua regia ICPMS	17.65	105.90
6	GEO-AR01	Aqua regia digestion	3.35	20.10

SUBTOTAL (CAD) \$ 197.77

R100938885 HST ON \$ 25.71

TOTAL PAYABLE (CAD) \$ 223.48

To: **ED SHYNKORENKO**
 ATTN: ED SHYNKORENKO
 P.O. 1715
 COCHRANE ON POL 1CO

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
 Bank: Royal Bank of Canada
 SWIFT: ROYCCAT2
 Address: Vancouver, BC, CAN
 Account: 003-00010-1001098

Please Remit Payments To :
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952 Fraser Street
North Bay, Ontario
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February 1st 2011

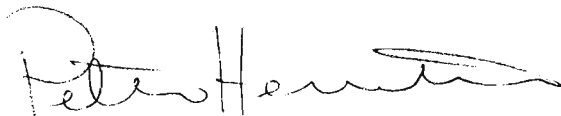
Geoscience Assessment Office
Willet Green Miller Centre
933 Ramsey Lake Road, 3rd Floor
Sudbury Ontario
P3E 6B5

Attention: Roy Denomme, Senior Manager

**Re: Prospecting Services, Claims P-4253742 & P-4253743
Wigle & Whalen Townships (M-1183 & M-1179)
Porcupine Mining Division/ Cochrane, Ontario**

Please be advised that on July 2nd and July 27th, 2010 I assisted with prospecting the above noted claims.

Sincerely,



Peter Hermeston

(Lic. 1003623)

Date / Time of Issue: Tue Jan 04 12:57:17 EST 2011

TOWNSHIP / AREA
WHALEN

PLAN
M-1179

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division
Land Titles/Registry Division
Ministry of Natural Resources District

Porcupine
SUDBURY
TIMMINS

TOPOGRAPHIC

- Aerial Photo Boundary
- Township
- Commemorative Lot
- Provincial Park
- Indian Reserve
- Cik, Pit & Pile
- Contour
- Mtn Skidde
- Mtn Headstone
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utility
- Tower

Land Tenure

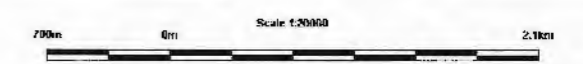
- Freehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Leasehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- License of Occupation**
 - Uses Not Specified
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
 - Land Use Permit
 - Order In Council (Not open for staking)
 - Water Power Lease Agreement

MINING RIGHTS	SURFACE RIGHTS	LEASEHOLD PATENT	FREEHOLD PATENT
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567
1234567	1234567	1234567	1234567

LAND TENURE WITHDRAWALS

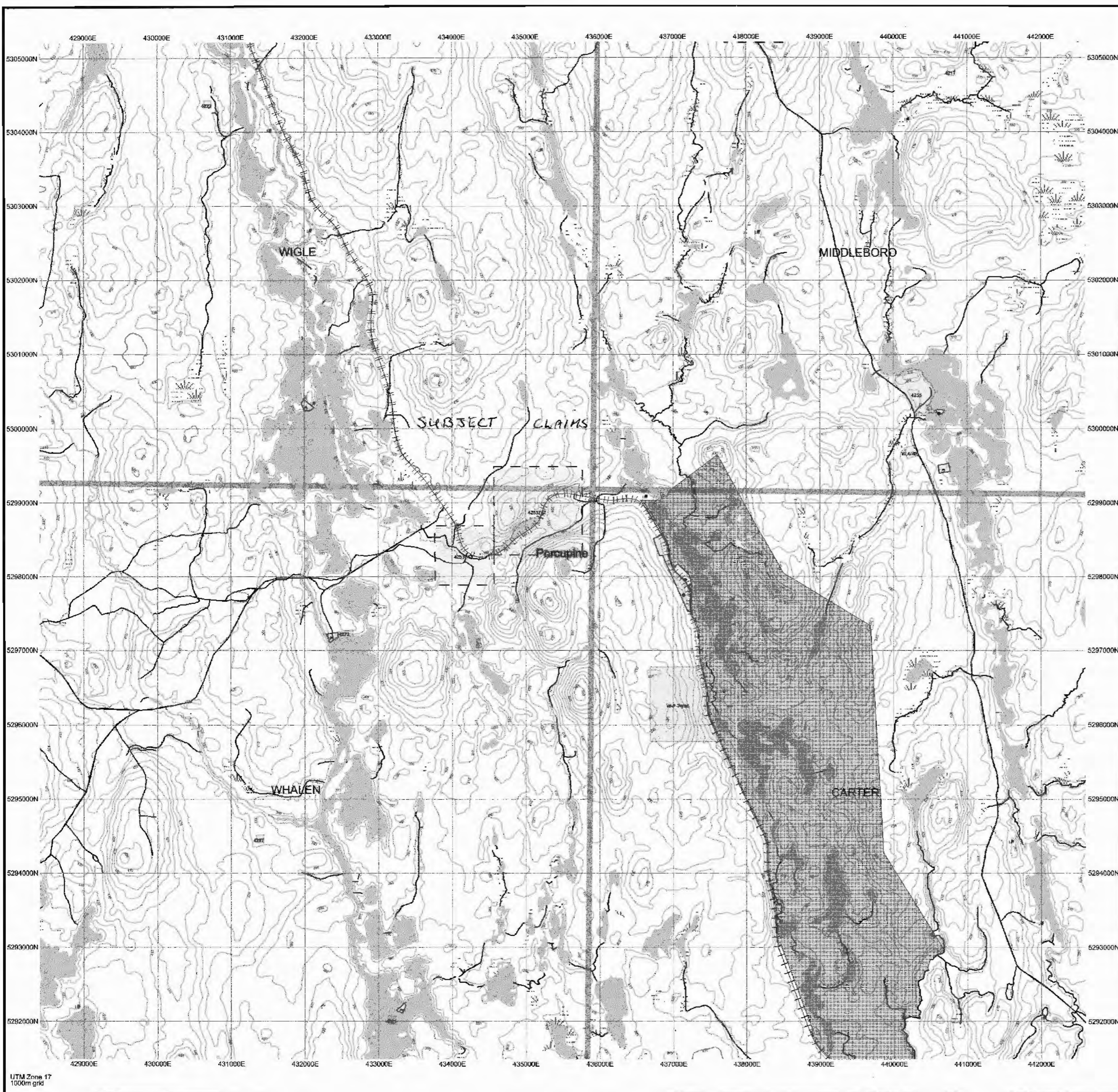
- Areas Withdrawn From Exploitation
- Mining Act Withdrawal Types**
 - W/M Surface And Mining Rights Withdrawal
 - W/S Surface Rights Only Withdrawal
 - W/M Mining Rights Only Withdrawal
 - W/S Order In Council Withdrawal Types
 - W/S Surface And Mining Rights Withdrawal
 - W/S Surface Rights Only Withdrawal
 - W/S Mining Rights Only Withdrawal

IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
4211	W/M	Jan 1, 2001	400 FEET SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS
4212	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4213	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4214	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4215	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4216	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4217	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4218	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4219	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4220	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4221	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4222	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4223	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4224	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4225	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4226	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4227	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4228	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4229	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4230	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4231	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4232	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4233	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4234	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4235	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4236	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4237	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4238	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4239	W/M	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS
4240	W/S	Jan 1, 2001	100 FT SURFACE RIGHTS RESERVATION AROUND ALL LAKES & RIVERS



Those wishing to stake mining claims should consult with the Provincial Mining Recorder's Office of the Ministry of Northern Development and Mines for the additional information on the status of their claim areas.
This map is not intended for navigation, survey, or land title determination purposes as the information shown on this map is exempt from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the Provincial Mining Recorder's Office or the Ministry of Natural Resources.
The information shown is derived from digital data accessible to the Provincial Mining Recorder's Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations
 Contact Information:
 Provincial Mining Recorder's Office
 1000 Drive North, Center 123, Timmins, Ontario
 Sudbury, ON P1E 1S5
 Website: www.mdmn.gov.on.ca/NDMNS/ARC/infowebpage.htm
 Toll Free: 1 (800) 815-5644 ext 5742
 Fax: 1 (705) 673-4444
 Map Data: NAD 83
 Projection: UTM 18Q
 Topographic Data Source: Land Information Ontario
 Mining Land Tenure System: Provincial Mining Recorder's Office

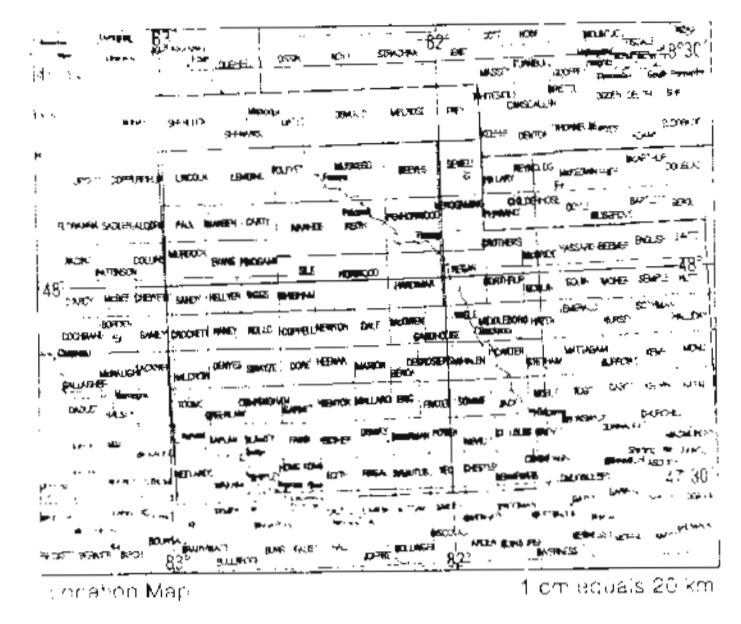
This map may not show unpatented land tenure and interests in land including surface patents, leases, agreements, right of ways, bonding debts, tax liens, or other forms of rights and interests in land. Also certain land tenure and interests in land may not be shown if they are deemed to be of minor importance.

GEOLOGICAL COMPILATION OF THE SWAYZE AREA, ABITIBI GREENSTONE BELT

Scale 1:100 000

1:5 Release: 41 07, 8 9, 10, 11, 14, 15, 16, 41 P.15, 13, 47 AA, 5, 42 B1, 2, 3, 6, 7, 8

Queen's Printer for Ontario, 2002. The map is published with permission of the Senior Manager, Hydrocarbon Geoscience Section, Ontario Geological Survey.



THE ABITIBI SUBPROVINCE

The Abitibi Subprovince is an 800 by 300 km Archean granite-greenstone terrain situated along the southern margin of the Superior craton. It is dominated by subvolcanic and granitoid rocks with a range of ages from 2.75 to 2.67 Ga (Jackson and Fryx 1991). Traditionally, the Abitibi greenstone belt was considered to be the southern extension of the Abitibi Subprovince extending to the western margin of the Timmins-granitoid complex west of Timmins. New mapping and petrological evidence (Heather et al. 1996) shows that the Swayze greenstone belt contains many of the structures and structural ages typical of the Abitibi belt in the Timmins-Kirkland Lake area and is now interpreted to represent a deeper erosional level of a once-continuous Abitibi greenstone belt extending to the Kapuskasing Structural Zone.

The Abitibi greenstone belt is one of the world's largest, best preserved and most economically productive greenstone belts in the world.

The Swayze map sheet covers the area from approximately 15 km east of Gogama as far west as the Kapuskasing Structural Zone and from the southern margin of the 1:500 000 Timmins map sheet (P.3373) to approximately 20 km south of Gogama. Rocks are classified on the basis of their dominant lithology using textures, structures and both approximate and specific compositions to refine the classification. Geological information has been primarily compiled from previous mapping. New interpretations of the extent of lithological units, specifically in the areas lacking outcrop, have greatly benefited from the use of the reprocessed geophysical data for this area (Gupta 1995, 1996). As well, governmental data have allowed for the further subdivision of the metavolcanic rocks.

Significant gold occurrences and past-producing gold mines indicate the area's potential for gold mineralization. Copper-zinc mineralization is known in association with sulphide bodies and formation and with metamorphic sequences. Potential areas for nickel-copper-platinum in the ultramafic/komatiite rocks identified in the area. Industrial minerals including barite and silica have been produced in the past, while the Rockwood Mine is presently producing talc.

SYMBOLS

Geological contact	Bedding: pillows, facing direction known (trend only, overturned)
Fault	Bedding: pillows, facing direction known (overturned and magnitude of dip uncertain)
Dike	Bedding: unsubsidiated, facing direction known (inclined, vertical)
Anticline	Bedding: facing direction known from crossbedding (inclined, overturned)
Syncline	Bedding: facing direction known from crossbedding (inclined, overturned)
Bedding: facing direction known from crossbedding (inclined, overturned)	Foliation, defined by minerals, unknown generation (inclined, vertical, trend only)
Bedding: facing direction known from grading (overturned, magnitude of dip uncertain)	Schistosity (inclined)
Bedding: facing direction known from secondary structures other than grading and crossbedding (vertical, overturned)	Geochronological sample location and result

SOURCES OF INFORMATION

This geological compilation of the Swayze area is the fourth in a series of 1:500 000 maps and GIS data sets of the Abitibi Subprovince in Ontario, being compiled over the next few years. The geological map of the Swayze area was compiled from published maps and reports of the Ontario Geological Survey and the Geological Survey of Canada, in addition to information from unpublished reports and maps of the Ontario Geological Survey, university theses, papers in professional journals, geophysical maps and satellite images where available. Maps and reports that were obtained by or used by the Ontario Geological Survey, 1976; Heather and Shore 1996 and Heather et al. 1996. The compilation was further enhanced by utilizing the Earth Resources Inventory and Information System (ERIS) databases such as the Assessment File Resource Inventory (AFRI), the Drill Hole (DH) database, the Lithological Geology (LGO) database and the Mineral Occurrence Inventory (MOI) database. Other data sets used include satellite imagery including Landsat Thematic Mapper images and Digital Elevation Model (DEM) produced by the Ministry of Natural Resources, Ontario.

Base map assembled by the Ontario Geological Survey. A vector mosaic of Ontario Digital Topographic Data Base 1:20 000 Ontario Basic Mapping Program (OBMP) maps was digitally compiled at a scale of 1:500 000 based on the Universal Transverse Mercator (UTM) projection and grid system, Zone 17, North American Datum 1927.

REFERENCES

Ayer, J.A. 1956. Precambrian geology, northern Swayze greenstone belt, Ontario. Geological Survey, Report 297, 57p.

Ayer, J.A., Berger, B.R. and Towell, N.F. 1999. Geological compilation of the Lake Abitibi area, Abitibi greenstone belt, Ontario. Geological Survey, Publication, Map P.3373, scale 1:100 000.

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McNeill, S.J. 1991. A geochronological study of the Swayze area, Ontario. M.Sc. thesis, Queen's University.

Shore, G.T. 1995. Geology of the Swayze area, Ontario. Ontario Geological Survey, Miscellaneous Report, 164, p.299-300.

CREDITS

Geological compiler and interpretation by J.A. Ayer and N.F. Towell.

Compilation of mineral resource data by J.A. Ayer, N.F. Towell and J. Walker.

Preparation of base map by J.A. Ayer, N.F. Towell and J. Walker.

Preparation of geophysical maps by J.A. Ayer, N.F. Towell and J. Walker.

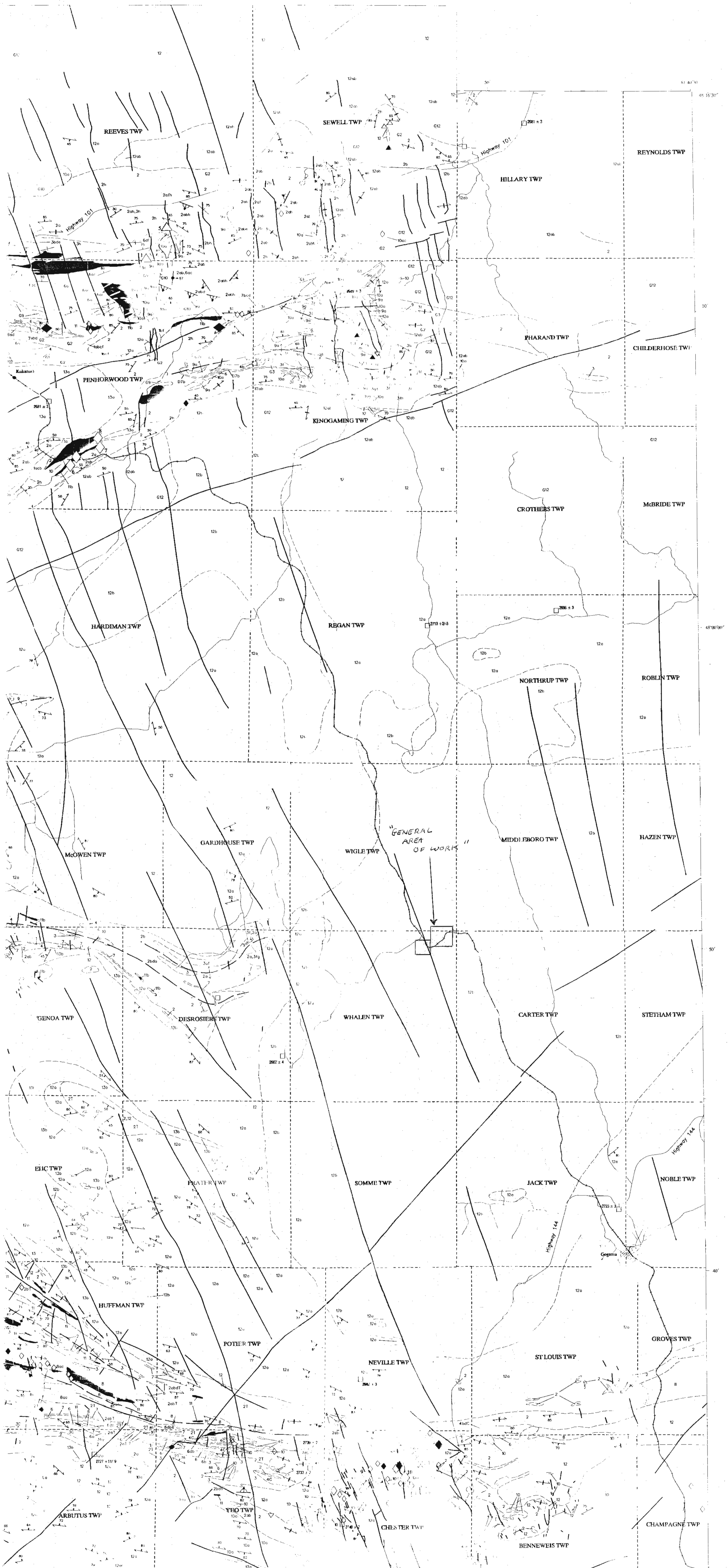
GIS compilation of data by J.A. Ayer, N.F. Towell and J. Walker.

To enable the rapid dissemination of this information, the Ontario Geological Survey has received a license from the Ontario Ministry of Natural Resources to make this information available on the Internet. Users should be aware that the information is provided as a service and is not guaranteed.

Issued 2002

Information from this publication is available in French. For more information, contact the Ontario Geological Survey, 100 Queen's Quay East, Toronto, Ontario M5H 1B5, Canada.

Ayer, J.A. and Towell, N.F. 1999. Geological compilation of the Swayze area, Abitibi greenstone belt, Ontario. Geological Survey, Publication, Map P.3373, scale 1:100 000.



PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND OLIGOCENE

UNCONSOLIDATED

PRECAMBRIAN

PROTEROZOIC

DIABASE DIKES

NEOARCHAIC

ARCHAIC

NEOARCHAIC

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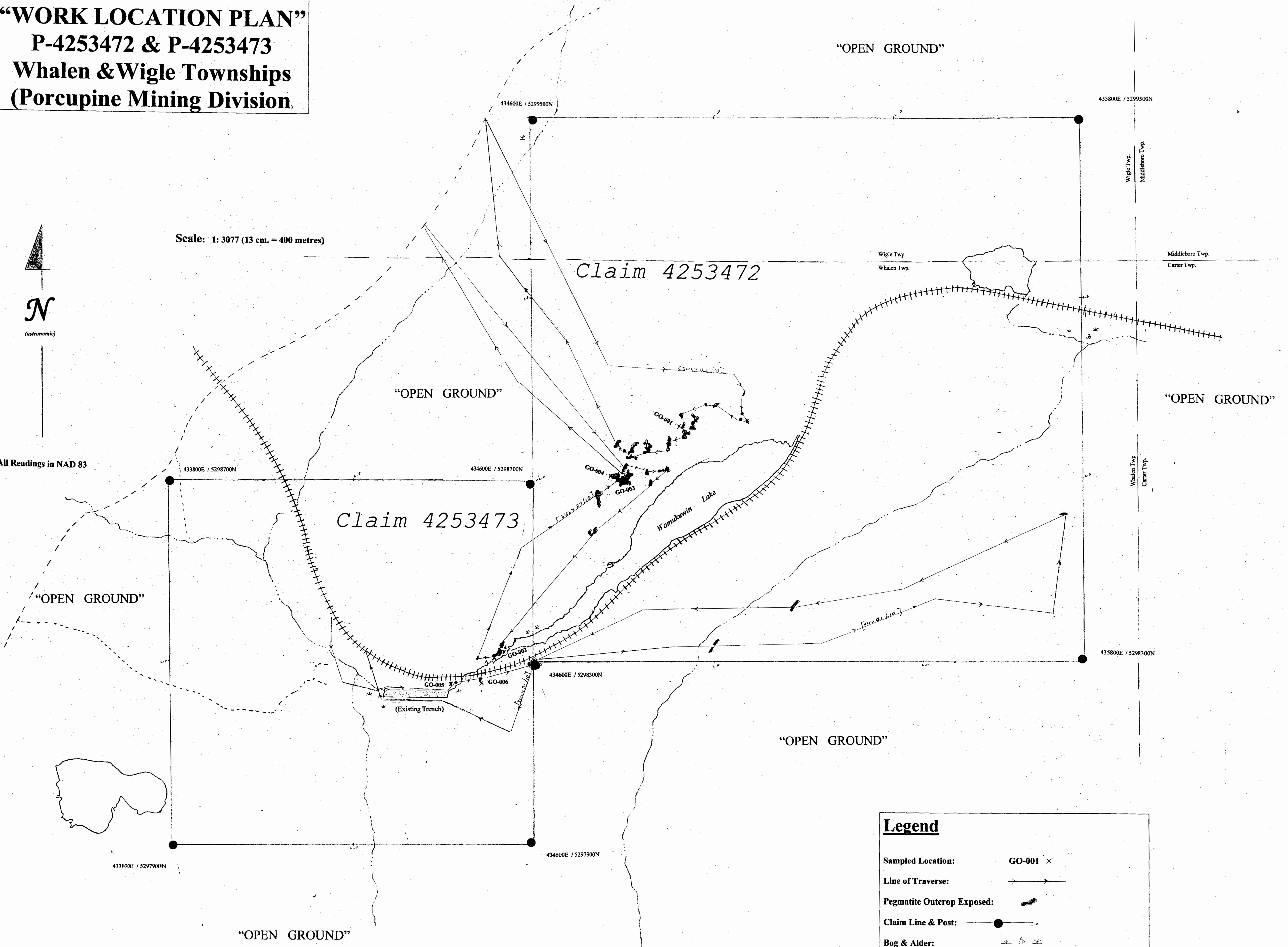
APPENDIX F

“WORK LOCATION PLAN”
P-4253472 & P-4253473
Whalen & Wigle Townships
(Porcupine Mining Division)

Scale: 1: 3077 (13 cm. = 400 metres)



All Readings in NAD 83



Legend

- Sampled Location: GO-001 ×
- Line of Traverse: ———→
- Pegmatite Outcrop Exposed:
- Claim Line & Post: —●—
- Bog & Alder:
- Creeks:
- Approximate Location of Road: - - - - -
- CNR Railroad: + + + + +
- Township Boundary: ———

Tag #	Rock Type	GPS Coordinates
GO-001	Pegmatite Outcrop (quartz, feldspar, mica)	0434927E, 5298820N
GO-002	Pegmatite Outcrop (quartz, feldspar, mica)	0434536E, 5298316N
GO-003	Pegmatite Outcrop (quartz, feldspar, mica)	0434820E, 5298694N
GO-004	Pegmatite Outcrop (quartz, feldspar, mica)	0434770E, 5298706N
GO-005	Boulder (quartz, feldspar, mica)	0434429E, 5298243N
GO-006	Pegmatite Outcrop (quartz, feldspar, mica)	0434486E, 5298261N