

41N02SE2006 2.19957

REPORT ON WORK PERFORMED ON MINING CLAIMS 1221636 & 1235191, 1999. KINCAID TWP. DISTRICT OF ALGOMA, ONT.

A.Gasparetto, Dec. 13, 1999

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SUMMARY

Field work consisting of prospecting, line cutting, ground VLF / magnetometer surveys, geological mapping and sampling was carried out claims 1221636 & 1235191, Kincaid Township, Algoma District during the summer and fall of 1999.

Two mineralized showings were found; grab samples returned values of up to 11.6% and 6.41% copper respectively. Manual or mechanical trenching is warranted to fully expose the extent of these showings.

INTRODUCTION

This project was funded by an Ontario Prospector's Assistance Program (OPAP) grant. The project objectives were as follows:

- Identify cause of conductors indicated by the 1990 MNDM airborne geophysical survey.
- Identify nature and complexity of brecciation events, (the potential for economically significant concentrations of precious metals increasing with complexity of brecciation history)
- Examine effect of Keweenawan subaerial flows as breccia pipe hosts, more permissive of both hematite as breccia matrix (Olympic dam model) and of chalcocite as principal copper species (potential for significantly higher copper grades)

The causes of the conductors indicated on MNDM map 81446 (Batchawana Area, Airborne Electromagnetic Survey) were not conclusively determined. However there appears to be a 200m shift in the position of the anomalies relative to topographic features appearing on the airphoto underlay of this map. If this were the case then the anomalies at fiducials 276 and 226 on flight lines 10390 and 10380 would correspond with the banded iron formation mapped in the field. This is further supported by the coincidence of a mag high with these conductors.

Three separate breccias were examined in detail. All appeared to exhibit simple brecciation histories. Initial fragmentation was followed by varying degrees of hematization and or silicification of the clasts. This material was then flooded by quartz with minor amounts of calcite. This would correspond with the initial ground preparation event, characteristic of richer showings and deposits elsewhere in the Batchawana greenstone belt.

The breccias on the property were found marginal to but never wholly within the Keweenawan subaerial flows so that the significance of this unit as a breccia pipe host could not be determined.

RECOMMENDATIONS

Manual trenching is recommended in the area of L10+00E at 14+00N to clarify the relationship of the chalcocite mineralization to both the breccia and the "Jogran type" porphyry occurring at this location. Trenching would also expose the extent and nature of the mineralization.

Lines 6+00E, 8+00E and 10+00E should be extended north to at least 19+00N in an effort to establish the northern limit of the breccia hosting samples TLRF 1 to 9.

The VLF anomaly identified on lines 14+50E and 16+00E warrants further work. This should include mag and VLF surveying of 50-meter infill lines between lines 14+00E and 17+50E at a northing corresponding with the anomaly. If an area of thin overburden can be identified, mechanical trenching to bedrock would be warranted here.

PROJECT LOCATION & ACCESS

The location of the project is on mining claims 1221636 and 1235191, in the A. McDonnell Location of Kincaid township, in the Sault Ste. Marie Mining Division. They can be found on the Kincaid Township claim map G-3112, and the NTS map sheet 41 N/2, "Mamainse Point, 1:50000." Latitude and longitude are: 47 deg. 03 min 35 sec North, 84 deg. 41 min. 30 sec West. See attached location map, Figure 1.

The project area is accessed via old logging road, 107 kilometers north of Sault Ste. Marie along Hwy 17 North. This logging road turns east off of highway 17 north, 570 m north of a bill board advertising "Petes Auto". Approximately 7 kilometers of logging road access the south and central portions of Claim 1221636. A four-wheel drive vehicle is needed to access the site. See attached property access map, **Figure 2.**

SUMMARY OF PREVIOUS WORK

The property lies within the historic McDonell Mining location. The mineral rights to this mining location were held under patent from 1842 until 1980 at which time they reverted to the Crown for nonpayment of taxes. As a result very little record of work exists on file in the Sault Ste Marie District assessment files.

During the years 1962 to 1966 Frank Jobin and Associates examined the area for kaolin potential, their deposit #19 exists immediately north of the claims. Coppercorp Ltd. drilled one hole on the claims in 1962 on what it called the Trout Lake Showing. Bulldozer stripping an unspecified number of years earlier had exposed this malachite-chalcocite showing. Between the years 1993 and 1995 Cominco Ltd. conducted geophysical geochemical and geological surveys on ground to the west of the property.

REGIONAL GEOLOGY

The property is located at the junction of the Archean Superior Province and Proterozoic Southern Province. The principal regional rock units are the Archean basement, Keweenawan Supergroup volcanics and late Proterozoic sedimentary cover rocks. The Archean basement consists of isoclinically folded greenstones surrounded by granitic gneissic and intrusive bodies which are overlain by basaltic flows, conglomerates and felsic sills of the Proterozoic Keweenawan Supergroup. The Proterozoic units are monoclinally tilted towards the Lake Superior basin. These Keweenawan basaltic strata are related to a rifting and volcanic event, which formed the Lake Superior Basin.

Around Lake Superior there are many very large copper and copper-nickel deposits hosted by middle Proterozoic basalts and associated sedimentary formations. Examples are the famous amydaloidal copper mines of the Keweenaw Penisnsula in Michigan, the White Pine Copper Mine,

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the Duluth Gabbro, and the Silver Islet mine. The Lake Superior Basin encompasses a productive string of copper deposits and is a significant metallogenic province. The Lake Superior Basin represents a healed Precambrian continental rift structure not unlike the modern active African rift valleys.

LOCAL GEOLOGY

The property is underlain by the Batchawana greenstone belt, which is composed of mafic and lesser felsic flows, and is bounded to the north by Algoman granitic rocks. In the western portion of the property, the Archean is overlain by Keweenawan basaltic flows. Two Keweenawan breccias have been identified on the claims; one intrudes subaerial Keweenawan flows while the larger one cuts both Archean mafic volcanics and Keweenawan flows. Proximity of the breccias to, and their occurrence within subaerial Keweenawan flows is significant as this represents a chemical environment more permissive of hematite as breccia matrix (Olympic Dam model) and chalcocite as the principle copper bearing mineral. Chalcocite was more common at the Coppercorp mine (Keweenawan host), while chalcopyrite was more characteristic of the Tribag mine (hosted at an archean greenstone-granite contact).

The claims are located between three former producing mines; Coppercorp Mine, Tribag Mine and Mamainse Mine. These mines are all high-level hydrothermal copper deposits associated with Keweenawan volcanism and/or breccias in the Lake Superior Copper District. Prospects in this area are characterized by large-scale igneous and hydrothermal systems capable of producing truly large copper-gold or copper deposits.

Recent nearby discoveries by Aurogin Resources has demonstrated the potential for significant gold and silver enrichment of Keweenawan breccias, especially those that exhibit multi phase deformation. Aurogin's drilling at "Richard's Breccia", DDH-98-07, returned 1.46% Cu and 3.9 gms/tonne Ag over 26.85 meters. The "Mountain Breccia" returned assays as high as 908 grms/tonne Ag over 1.3 m and 11.24 gms/tonne Au over 0.41m.

WORK DONE

The work program was carried out over a period from June to Nov. 1999 and consisted of:

- 1. Prospecting, for mineral showings and to locate MNDM airborne geophysical targets on the ground.
- 2. Line cutting, to provide control for geophysical and geological surveys.
- 3. Geophysics, VLF and magnetometer surveys.
- 4. Geological mapping and sampling.

PROSPECTING

Prospecting was carried out during the period from July 15-28. Initial prospecting focussed on locating two EM conductors on the ground. These conductors were originally detected by a 1990 MNDM airborne survey. These positions were located on the ground by GPS and prospected.

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The West anomaly was located at the contact of a porphyry/volcanic along a swamp covered lineament thought to be a fault. Minor amounts of rusty py and cpy were found at the contacts. The East anomaly was located in an area of spotty outcrop, consisting of small discrete quartz feldspar porphyry and silicified mafic volcanic outcrops. No explanation for the East anomaly could be found on surface.

In addition, a Copper showing was found at the extreme south-east edge of the claim group, at the contact of a feldspar porphyry and a highly sheared mafic volcanic. It appeared that approximately 2 meters of the mafic mineralized sheared mafic had been scooped out with a backhoe and used as road fill for a nearby culvert. Malachite and chalcopyrite were found along the contact face and in the water and rubble filled pit.

Several days were spent prospecting the central and north portion of claim 1235191. The target for this prospecting was a breccia of Keweenawan age indicated on ODM map 2251 (Batchawana). Limited outcrop was found, of Archean age, mafic volcanics and granites.

In total 7 days were spent on general prospecting. Only 3 samples were taken during this time.

LINECUTTING

linecutting was done over a period from Aug 3-Sept. 23. 10.475 km. of line was cut, including 1.6 km. of baseline with cross lines every 200 m. Pickets were installed every 25 meters on the grid.

GEOPHYSICS

Ground VLF and magnetometer surveys were performed from Oct 16-24 to pick up additional anomalies and aid in prospecting/mapping, and to further define the existing airborne East and West anomalies. All readings were taken every 25 meters along grid lines. A total of 10,475 meters was surveyed between Oct 16-24.

VLF was done with a Geonix EM-16, utilizing Cutler, Maine as the transmitter. Two major conductor axes were identified by the survey. **Map 1** shows the VLF data and interpreted conductor axes. Additional attention was given to these areas during the geological mapping. Two discrete conductors were detected by the VLF survey.

There is a moderately strong conductor the axis of which intersects lines 400E/1600N and 600E/1250N. The orientation of this conductor axis is parallel to and coincident with a cedar swamp. The swamp is discontinuous along this trend, broken up by an area of Keweenawan flow basalts.

There is a very strong VLF crossover intersecting lines 1400E/300N and 1600E/325N. No outcrop is visible on the ground in this area, due to an estimated 20 plus meters of esker overburden. This conductor may be a possible extension along strike of the Copper showing at 1100E/275N, with this conductor offset to the north. The copper showing itself however did not have any significant VLF response.

The magnetometer survey was performed with a McPhar M700 fluxgate mag. The contoured raw data is presented in **Map 2**. One discrete strong magnetic anomaly was detected, centered at line 1200E/1075N. Ground investigation revealed a highly magnetic banded iron formation striking 110 AZ.

GEOLOGICAL MAPPING & SAMPLING

Ron Fenlon, geologist, carried out the geological mapping in November of 1999. Overall outcrop exposure was estimated between 5-10%, higher than normal for this part of the Algoma district. Topography on the property is varied, mean elevation of 340 m with relief up to 100 meters. Topography is characterized by a series of rocky high ridges cut by sand and gravel filled stream beds. The property was logged in 1992 and the majority of it is maple forest regrowth. In the south east corner of the property there is a considerable thickness of glacial sand and gravel overburden obscuring outcrop. The northwest portion of the property is covered by cedar swamp oriented along a drainage NW-SE.

The property is underlain by Archean mafic metavolcanics, gabbros and minor banded iron formation. This is intruded by Archean granites in the North-East. A large body of Keweenawan quartz-feldspar porphyry intrudes this package in the central and south portions of the property. See geology map, **Map 3.** In addition, Keweenawan basaltic flows overlay and breccias intrude the Archean package in the south and north-western portions of the property.

A table of lithologic units can be found in Table 1.

ROCK DESCRIPTIONS

9a) Quartz-hematite breccia

Angular grey-green to pink clasts, colour dependant on degree of hematization. The clasts are set in a matrix of quartz and locally calcite. The clasts range in size from 2–25 cm, with the majority 5-10 cm. No foliation is observed but the clasts do exhibit parallel alignment of long axis.

8a) Felsic Intrusives

Salmon pink to greyish-white in colour. Fine grained, containing a few small phenocrysts of quartz and felspar up to 2 mm in an aphanitic groundmass of the same composition. These units occur as narrow dykes 1-4 meters wide, generally exposed for no more than 10 meters along strike. No preferred orientation was recognized.

8b) Quartz-feldspar porphyry

White-pink to deep salmon-pink in colour. Up to 20% feldspar phenocrysts ranging from 2 mm to 8 mm in size, 5-20% quartz eyes, generally 2-3 mm in a very fine grained groundmass of mostly quartz, lesser feldspar. No foliation observed in this unit.

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6d) Porphyritic Flows

Medium greyish-green to a medium greenish-brown in colour. Flows are basaltic in compostion, with large chlorite (minor epidote) filled amygdules up to 1.5 cm in size. Amygdules comprise 25% of rock volume. No foliation or flow tops were observed.

4) Granitic Rocks

White-pink to yellow-orange in colour, medium to coarse grained. Quartz-feldspar phenoocrysts, 3-7 mm in sized, in a matrix of fine grained quartz and feldspar, 10% biotite and hornblende. Weak foliation observed at regional strike orientation of 110 AZ.

2) Mafic Volcanics

Medium to dark grey-green, fine grained chloritic flows. Weakly foliated to regional strike of 110 AZ. Rare pillows observed nearing southern contact with Keweenawan. Occasional millimetric to 10 cm quartz veinlets generally parallels foliation/shearing at 110 AZ. Virtually nil sulphides, occasional minor py at vein contacts.

2c) Coarse Grained Flows or Intrusives

Dark grey-green medium to coarse grained, massive gabbro. Some are moderately magnetic. No visual reason for this difference in magnetism was found.

IF Iron Formation

Banded Iron Formation; 70% coarse magnetite bands/30% chert. Nil sulphides. Highly magnetic, generally conforming to regional strike of 110 AZ.

MINERALIZATION FOUND:

Two mineralized showings of interest were found.

At L1000E/1400N a chalcocite showing was found hosted by a highly hematized Keweenawan quartz breccia. This breccia is focussed at the margin of a small Jogran- type (Keweenawan) porphyry plug. Highest grade copper values came from narrow chalcocite veins in the breccia. Grab samples were taken over a 10 meter area, with the highest grade Copper at 11.06%, coming from massive chalcocite in a sintery version of the breccia. Chalcocite was also observed disseminated within the Jogran type porphyry.

At 1100E/275N, a malachite/chalcopyrite showing occurs in a 3 meter wide shear at the contact of a mafic volcanic and a quartz feldspar porphyry. Geological contacts and shearing strike 130 AZ. This mineralized shear was apparently scooped out by backhoe and used as road fill in an adjacent culvert. It does not appear to have been previously geologically sampled. This 3 meter shear ran 6.41% copper in grab samples.

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ANALYTICAL WORK

A total of 39 samples were sent for analysis at Swastika Laboratories in Swastika, Ontario. All samples were analyzed for gold by fire assay, and for by 32 element ICP. In addition, 4 samples which ran above detection limit for ICP copper, were also fire assayed for copper. A list of sample descriptions is found in **Table 2**. Assay certificates are found in **Appendix 1**.

Location Plan

Scale: 1: 600,000



FIGURE 1 PROJECT LOCATION

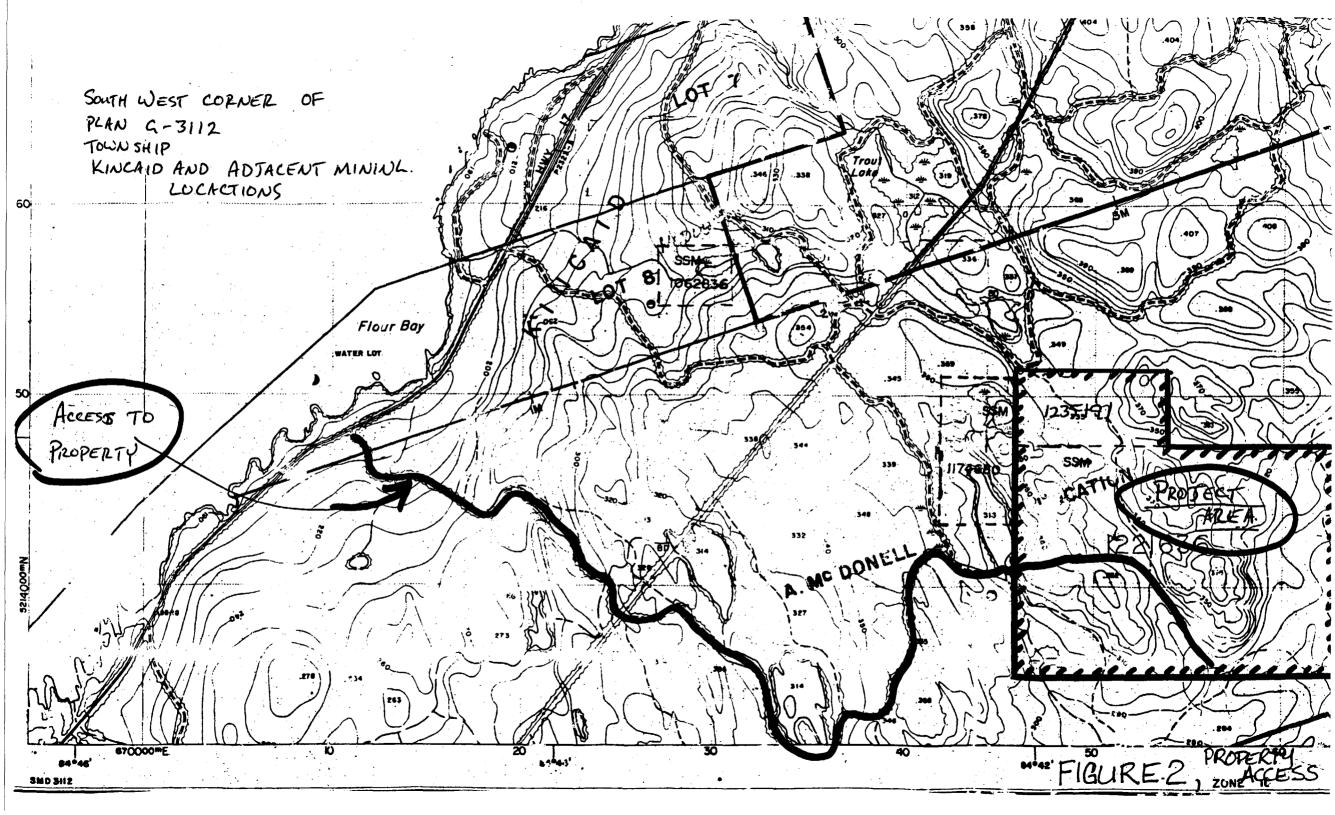


TABLE 1

TABLE OF LITHOLOGICAL UNITS (adapted from ODM map 2251, "Batchawana")

PHANEROZOIC

Cenozoic

Quaternary

Pleistocene & Recent

Boulder, sandy and silty till; erratic boulders

UNCONFORMITY

PRECAMBRIAN

Proterozoic

Keweenawan

Middle or Upper Keweenawan

Breccia_

9a quartz-hematite breccias

Middle Keweenawan

Felsic Intrusive Rocks

8a felsic intrusive rocks

8b quartz-feldspar porphyry

8c Jogran type porphyry

Mafic Volcanic Rocks

6d porphyritic flows

Archean

Felsic Intrusive and Metamorphic

4 Unsubdivided granitic rocks

INTRUSIVE CONTACT

Metavolcanics and Metasediments

- 2 Mafic volcanics undifferentiated
- 2c Coarse grained flows or intrusive rocks
- IF Iron formation

		[TABLE 2	, , , , , , , , , , , , , , , , , , ,				T
GRAB SA	MPLE DESCRIP	TIONS - Loc	ations on (Seology Ma	ip			
Sample	Description							
TLP-1	Vein breccia : 20% p	inkish clasts in	quartz matrix					
TLP-2	Pinkish highly altered			et with minor s	pecular hemati	te at contacts		
TLP-3	5% malachite/cpy in	sheared hemati	zed mafic voic	anic				
TLAG-1	set of 2" quartz veink	ets minor pyrite,	cpy at contact	ts, sericitic				
TLAG-2	mafic volcanic brecci	ia, 80% calcite r	natrix, trace py	rite, cpy				
TLAG-3	6" sugary quartz vein	in mafic volcan	ic flow					
TLAG-4	fractured 6" quartz w	ein in sheared g	abbro,chloritze	ed at contact				
TLAG-5	1 meter wide shear in	n mafic volcanic	, minor cpy, py	trace chalcoc	ite			
TLAG-6	silicified mafic volcar	nic intruded by b	y quartz felds	par porphyry, 2	% сру			
TLAG-7	silicified brecciated n	nafic volcanic, h	ematized, min	or malachite, o	halcocite, cpy			
TLAG-8	silicified QFP/mafic	olcanic contact	sheared, 2-3	% ру				
TLAG-8A	as TLAG-8							
TLAG-9	sheared mafic volcar	nic/QFP contact	, silicifed, wea	kly brecciated,	qtz healed, he	matized, minor	pyrite	
TLAG-10	gneissic mafic volcar	nic, brecciated,	hematized, mi	nor pyrite,cpy				
TLAG-11	QFP, minor py,cpy n	ear mafic volcar	nic contact					
TLAG-12	shear zone on hangir	ng wall of malch	ite showing, m	ninor py, cpy, e	matized			
TLAG-13	highly silicified mafic	volcanic, 20% g	neissic quart	z veins, minor	ру			
TLAG-14	5% malachite/cpy in	sheared hemati	zed mafic voic	anic				
TLAG-15	brecciated mafic volc	anic with 80% o	uartz and min	or py/malachit	e in hematized	matrix		
TLAG-16	weakly brecciated ma	afic volcanic, he	matized, mino	r pyrite	1			
TLRF-1	10% chalcocite with	hematite in disc	ontinuous vein	s throughout h	ighly silicified &	hematized qu	artz-vein brece	cia
TLRF-2	10% hematite, trace	chalcocite host	much more tha	an TLRF-1				
TLRF-3	massive pinkish-red	highly silicified b	preccia with tra	ce disseminat	ed chalcocite 8	hematite		
TLRF-4	20X5X2 cm. Clot of a	massive chalcoo	ite,host rock s	intery in appea	arance			
TLRF-5	host similar to TLRF	-4 but 20% is he	matite clots w	ith trace malac	hite			
TLRF-6	massive siliceous pir	nk breccia with 2	cm vein of 85	5% quartz 15%	chalcocite			
TLRF-7	yellowish porphyry si	milar to "Jogran	porphyry" with	n trace dissem	inated malachit	e		
TLRF-8	medium grained pink	ish yellow propt	yry with rusty	vugs occuring	in 1 cm deep v	veathered rind		-
TLRF-9	as TLRF-8 only more	e greenish. Coar	ser oxidized c	lots to 2 mm.				
TLRF-10	carbonatized mafic c	lasts in matrix o	f quartz and c	alcite. Trace m	alachite on frac	ctures.		
TLRF-11	extremely hematitic v	vith calcite>>sili	ca trace malac	chite.				
TLRF-12	quartz vein, with very	siliceous pink v	vall rock clasts	3				
TLRF-13	mafic clasts in quart	z matrix at mafic	/granite conta	ct				
TLRF-14	similar to sample TLI	RF-13, more ob	viously a conta	ict breccia				
TLRF-15	vein breccia hosted i	n gabbro,clasts	are angular &	hematized, ma	ıtrix is quartz			
TLRF-16	en echelon series of				•			
TLRF-17	extremely hematized				ľ			
TLRF-18	12% sphalerite in car		volcanic in va	gue veinform	dissemations			
TLRF-19	coarse gabbro, mode			<u> </u>				





Swastika Laboratories

A Division of Assayers Corporation Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate

9W-3324-RG1

Company:

A. GASPARETTO

Date: NOV-04-99

Project:

T.L.

Attn:

A. Gasparetto

We hereby certify the following Geochemical Analysis of 19 Rock samples submitted OCT-29-99 by .

Sample Number	Au PPB	Au Check PPB	Multi Element	
TLP-1	Nil	-	Results	
TLP-2	271	-	to	
TLP-3	38	48	follow	
TLAG-1	Ni I	-		
TLAG-2	Ni l	_		
TLAG-3	15			
TLAG-4	9	-		
TLRF-1	108	106		
TLRF-2	58	-		
TLRF-3	21	-		
TLRF-4	48	57		
TLRF-5	41	-		
TLRF-6	39	_		
TLRF-7	5	_		
TLRF-8	2	-		
TLRF-9	3			
TLAG-5	39	_		
TLAG-6	21	_		
TLAG-7	12	-		

One assay ton portion used.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0' Telephone (705)642-3244 Fax (705)642-3300



Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

9W-3609-RG1

Company:

A. GASPARETTO

Date: NOV-22-99

Project:

T.L.

Attn: A

A. Gasparetto

We hereby certify the following Geochemical Analysis of 2 Rock samples submitted NOV-13-99 by .

One assay ton portion used.

Certified by_

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0 Telephone (705)642-3244 Fax (705)642-3300



Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

9W-3413-RG1

Company:

A. GASPARETTO

Date: NOV-10-99

Project:

TL

Attn: A.

A. Gasparetto

We hereby certify the following Geochemical Analysis of 18 Rock samples submitted NOV-05-99 by .

Sample Number	Au PPB	Au Check PPB	Multi Element	
TLRF-10	5	-	Results	
TLRF-11	46	36	to	
TLRF-12	3	-	follow	
TLRF-13	10	-		
TLRF-14	14	-		
TLRF-15	7			<u></u>
TLRF-16	Ni l	-		
TLRF-17	10	15		
TLAG-8	27	-		
TLAG-8B	14	-		
TLAG-9	39			
TLAG-10	12	-		
TLAG-11	10	-		
TLAG-12	3	_		
TLAG-13	15	-		•
TLAG-14	75	74		
TLAG-15	3	-		
TLAG-16	105	-		

One assay ton portion used.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0 Telephone (705)642-3244 Fax (705)642-3300

TSL Assayers Swastika

A. GASPARETTO

Attention: A. Gasparetto

Project: TL Sample: Rock 1 Cameron Ave., Swastika, Ontario, POK 1TO

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No
Date

: **9W3413 RJ** : Nov-18-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Ai %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
TLRF-10	<0.2	1.80	15	40	0.5	<5	0.45	<1	60	366	232	4.57	0.18	1.32	930	2	0.01	79	190	14	5	7	<10	13	0.12	80	<10	8	197	7
TLRF-11	<0.2	0.77	40	50	3.5	10	3.44	<1	61	262	280	8.57	0.07	0.56	705	<2	0.01	42	280	42	20	27	<10	12	0.06	144	<10	43	255	8
TLRF-12	<0.2	0.25	10	10	<0.5	<5	0.07	<1	6	314	58	1.40	0.08	0.14	180	4	< 0.01	18	40	4	5	1	<10	2	0.01	18	<10	3	32	3
TLRF-13	<0.2	3.66	<5	10	<0.5	<5	0.09	1	17	258	1	7.43	0.08	3.95	635	<2	< 0.01	77	220	<2	5	11	<10	<1	0.01	187	<10	2	65	8
TLRF-14	<0.2	4.43	<5	30	0.5	<5	0.10	1	26	312	41	8.26	0.05	5.05	1230	2	<0.01	74	270	<2	5	14	<10	<1	0.01	173	<10	9	149	11
TLRF-15	<0.2	0.64	<5	10	0.5	<5	0.81	1	6	283	56	7.95	0.03	0.56	365	<2	<0.01	26	380	12	5	2	<10	3	0.01	69	<10	3	458	6
TLRF-16	<0.2	3.31	<5	20	<0.5	<5	0.10	<1	20	283	3	5.86	0.02	3.83	800	<2	< 0.01	41	220	<2	5	12	<10	<1	0.08	127	<10	5	95	5
TLRF-17	<0.2	1.78	<5	70	0.5	<5	0.11	<1	16	150	138	4.30	0.13	1.40	490	8	< 0.01	45	460	2	5	4	<10	3	0.01	82	<10	3	86	8
TLAG-8	<0.2	0.82	15	20	<0.5	<5	0.28	<1	7	110	15	1.90	0.11	0.54	195	2	0.06	17	750	<2	<5	1	<10	5	0.09	26	<10	3	23	17
TLAG-8B	<0.2	0.84	105	20	<0.5	<5	0.20	<1	10	91	60	3.35	0.09	0.60	120	2	0.07	14	1110	144	5	2	<10	6	0.03	32	<10	3	27	13
TLAG-9	<0.2	3.48	<5	10	<0.5	<5	0.55	<1	30	327	345	7.13	0.03	3.36	1085	<2	<0.01	118	200	<2	5	9	<10	12	0.14	131	<10	4	101	7
TLAG-10	<0.2	3.36	<5	20	<0.5	<5	0.39	1	40	284	134	6.51	0.07	2.92	800	<2	0.01	96	220	<2	5	10	<10	22	0.15	121	<10	7	111	7
TLAG-11	<0.2	0.87	30	20	0.5	<5	0.16	<1	10	161	10	1.67	0.14	0.55	235	4	0.03	22	160	<2	5	1	<10	6	<0.01	17	<10	15	30	37
TLAG-12	<0.2	3,60	10	30	0.5	<5	0.89	<1	50	93	920	7.78	0.16	3.76	920	<2	<0.01	128	1320	12	5	10	<10	10	0.39	138	<10	12	108	56
TLAG-13	<0.2	2.26	<5	10	<0.5	<5	0.76	1	28	554	34	4.54	0.03	2.13	645	2	<0.01	97	180	<2	10	7	<10	15	0.15	79	<10	3	50	8
TLAG-14	10.8	0.88	<5	10	<0.5	<5	0.43	<1	21	158	>10000	6.45	0.04	0.59	185	18	<0.01	59	1200	86	5	3	<10	27	0.07	145	<10	2	10	9
TLAG-15	2.0	1.11	5	10	<0.5	<5	0.08	<1	82	214	745	2.76	0.06	0.90	355	4	<0.01	57	80	<2	<5	4	<10	3	0.03	60	<10	1	58	4
TLAG-16	<0.2	2.95	15	40	<0.5	<5	0.60	<1	45	156	155	5.08	0.16	2.58	1050	<2	0.01	168	250	<2	5	8	<10	17	0.17	83	<10	5	134	14

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with $D.I.H20.\,$

Signed:

TSL Assayers Swastika

A. GASPARETTO

1 Cameron Ave., Swastika, Ontario, P0K 1T0 Attention: A. Gasparetto

Tel: (705) 642-3244 Fax: (705) 642-3300

Project: T.L.

Sample: Rock

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	AI %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	К %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
TLRF-18	0.2	4.22	30	40	3.0	<5	5.87	9	24	219	12	9.07	0.09	3.60	3170	<2	0.02	121	250	190	5	21	40	50	0.23	195	<10	16	1628	13
TI RF-19	< 0.2	4.16	35	40	4.0	<5	9.48	<1	16	183	3	9.07	0.20	3.33	3275	<2	0.01	91	240	22	5	12	<10	89	0.02	150	<10	28	113	10

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Report No

Date

9W3609 RJ

Nov-26-99

TSL Assayers Swastika

A. GASPARETTO

Attention: A. Gasparetto

Project: T.L. Sample: Rock

1 Cameron Ave., Swastika, Ontario, POK 1TO

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No

: 9W3324 RJ

Date

Nov-17-99

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	К %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
TLP-1	0.4	2.24	<5	30	0.5	<5	0.11	<1	28	310	881	5.20	0.15	1.67	845	2	<0.01	65	310	12	5	5	<10	4	0.01	66	<10	4	290	9
TLP-2	0.6	2.72	95	70	<0.5	<5	0.49	<1	36	223	276	6.99	0.25	2.28	795	2	0.03	64	510	16	5	16	<10	6	0.27	305	<10	7	83	5
TLP-3	7.8	0.84	<5	30	<0.5	<5	0.48	<1	26	268	>10000	8.59	0.04	0.39	170	16	< 0.01	94	2230	96	5	5	<10	34	0.07	71	<10	3	16	11
TLAG-1	0.2	1.10	<5	10	<0.5	<5	0.84	1	13	288	1379	2.49	0.03	0.61	450	2	0.01	35	240	8	5	4	<10	53	0.22	80	<10	3	28	3
TLAG-2	<0.2	0.32	<5	30	0.5	<5	5.33	<1	3	153	169	0.77	0.14	0.13	145	2	0.01	12	100	6	<5	<1	<10	14	<0.01	7	<10	5	29	4
TLAG-3	<0.2	0.51	<5	10	<0.5	<5	0.33	<1	10	256	77	1.29	0.01	0.42	230	2	0.02	46	80	2	5	1	<10	13	0.10	25	<10	1	41	2
TLAG-4	<0.2	2.47	<5	10	<0.5	<5	0.15	<1	23	371	31	3.69	0.01	3.04	470	2	0.01	69	120	2	5	4	<10	3	0.05	71	<10	2	62	3
TLRF-1	16.4	0.06	25	30	<0.5	<5	0.14	<1	9	218	>10000	5.66	0.02	0.03	85	4	< 0.01	41	1770	110	5	2	70	3	< 0.01	105	<10	2	26	4
TLRF-2	9.4	0.09	20	30	0.5	15	0.04	<1	8	315	2530	8.50	0.02	0.05	75	8	<0.01	31	160	102	5	1	10	4	< 0.01	186	<10	1	52	6
TLRF-3	3.0	0.15	5	20	0.5	5	0.26	<1	6	318	1583	4.79	0.01	0.13	140	6	<0.01	43	90	34	5	1	<10	3	<0.01	107	<10	2	67	4
TLRF-4	15.8	0.20	10	10	<0.5	<5	0.01	2	45	242	>10000	4.06	0.03	0.15	70	4	<0.01	25	3800	154	5	4	<10	2	<0.01	48	<10	1	270	4
TLRF-5	4.8	0.15	15	30	0.5	15	0.02	3	42	236	>10000	8.68	0.07	0.06	50	6	< 0.01	23	440	72	5	1	<10	3	< 0.01	123	<10	1	265	6
TLRF-6	5.6	0.15	10	10	<0.5	<5	0.02	<1	18	324	8592	1.60	0.03	0.13	115	4	< 0.01	25	300	18	5	1	<10	3	<0.01	26	<10	1	51	2
TLRF-7	<0.2	0.22	5	40	0.5	<5	0.12	<1	2	148	208	0.69	0.22	0.03	145	2	< 0.01	9	90	2	<5	<1	<10	5	< 0.01	4	<10	12	7	26
TLRF-8	<0.2	0.21	10	30	0.5	<5	1.07	<1	1	215	56	0.46	0.21	0.01	355	4	<0.01	8	40	6	5	<1	<10	7	<0.01	5	<10	17	9	25
TLRF-9	<0.2	0.21	20	20	0.5	<5	2.01	<1	2	138	24	0.37	0.20	0.02	280	2	<0.01	. 7	40	4	<5	<1	<10	11	<0.01	5	<10	24	1	28
TLAG-5	1.8	1.77	195	30	<0.5	5	0.20	<1	38	228	386	6.06	0.10	1.14	600	20	0.01	52	710	432	5	3	<10	5	0.06	42	<10	6	416	23
TLAG-6	0.4	0.87	110	90	<0.5	5	0.03	<1	11	288	87	5.48	0.14	0.47	270	4	< 0.01	21	230	52	5	1	<10	6	< 0.01	25	<10	1	44	7
TLAG-7	0.6	0.94	<5	10	<0.5	<5	0.62	1	17	388	1429	2.47	0.02	1.01	380	4	<0.01	52	180	72	5	. 2	<10	23	0.06	42	<10	2	344	4

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Ontario Mainty of Northern Development Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990



900

subsection 65(2) and 66(3) of the Mining Act. Un sment work and correspond with the mining land hipment and Mines, 3rd Floor, 833 Ramsey Lake Ro

17058822098

recording a claim, use form:02:05 5 7

1. Recorded holder(s) (Attach	a list if necessary)		
Name		Client Number	
ANGELA GASPARETTO		303954	1 (200) 500 0000
Address P.O. BOX 27		Telephone Number	1-(705) 882-2098
1.0.00	· · · · · · · · · · · · · · · · · · ·	Fex Number	1-(705)882-2098
BATCHAWANA ON, POS 1A0			
Name		Client Number	
Address		Telephone Number	
		Fax Number	
2. Type of work performed: C	heck (✓) and report on only (ONE of the following groups for this	declaration.
Geotechnical: prospecting,	surveys, Ph	ysical: drilling stripping,	Rehabilitation
assays and work under secti	on 18 (regs)	nching and associated assays	Ц
Work Type			Office Use
INECUTTING, GROUND VLF&MAG	SURVEYS, PROSPECTING GE	OLOGIC Commodity	
MAPPING WITH GEOCHEMICAL SA			,
	/	Total \$ Value of	7/1/020
	√	Work Claimed	414,277
Dates Work From 15 07	99 To 14 12	NTS Reference	
Performed Day Month	· 	longh Year	A
Globe! Positioning System Data (If available)	Township/Area KINCA/D TWP/ McE	ONNEL MNG. LOC. Mining Division	Davil De Mar
	M or G-Plan Number G-3112	Resident Geolog	is of T
	<u> </u>	District	July de /14
- complete : - provide a	oper notice to surface rights I and attach a Statement of Co map showing contiguous min o copies of your technical rep	ests, form 0212; ing lands that are linked for assign	ing work;
2 Paman as samuasias who		ork /AMark a list if management	
3. Person or companies who page 1	prepared the technical repo	ort (Attach a list if necessary)	
ANGELA GASPARETTO		(705) 882-2098	
Address		Fax Number	
P.O. BOX 27 BATCHAWANA ON POS 1AC)	(706)882-2098	
Name RON FENLON		Telephone Number	
Address		Fex Number	
SAME AS ABOVE			
Name		Telephone Number	
Address		Fax Number	
		rax Number	
4. Certification by Recorded H. ANELA GASPARE Print Name) this Declaration of Assessment Wiccompletion and, to the best of my	nd hereby	certify that I have personal knowle	
Signature of Recorded Holder or Ager			Date DEC 48 4000
Orginature of Necorded Molder of Ager	or yn		Date DEC. 15 1999
Agent's Address		Telephone Number	Fax Number (705)882-2098

0241 (03/97)

Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this W9950, OO // C Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number Number of Claim Units. For other mining land, list hoctares. Value of work performed on this claim or other mining land Value of work applied to this distributed Indicated on the claim map TB 7627 16 ha \$26,825 N/A \$24,000 \$2.825 eg ٥ 12 \$24,000 0 eg 1234567 0 \$ 8,692 \$ 4,000 0 \$4,892 **e**9 1 \$13,476,84 ٥ \$3,876.84 1221636 12 \$9,600.00 2 1235191 Z \$802.46 0 \$802.46 3 4 5 6 7 8 9 10 11 12 13 14 15 Column Totals \$14,279.30 \$9,600.00 1, ANCELA GASPARETTO , do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done. Signature of Recorded Holder or Agent Authorize 6. Instruction for cutting back credits that are not approved. Some of the credits claimed in this declaration may be cut back. Please check (/) in the boxes below to show how you wish to prioritize the deletion of credits: In Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated. 2. Credits are to be cut back starting with the claims listed last, working backwards; or 3. Credits are to be cut back equally over all claims listed in this declaration; or 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe): Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary. For Office Use Only Received Stamp Deerned Approved Date Date Notification Sent Date Approved Total Value of Credit Approved Approved for Recording by Mining Recorder (Signature) 0241 (00/97)



Statement of Costs for Assessment Credit

ransaction Number (office use)	
W9950.00110.	

I am authorized to make this certification.

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 3B5.

385 .		· · · · · · · · · · · · · · · · · · ·	9. 1902	şmş.
Work Type	Units of work Depending on the type of work, list the r hours/day worked, metres of drilling, kik line, number of samples, etc.		Cost Per Unit of work	Total Cost
LINECUTTING	10.475 km 23days	@150kbu		3,450
MAG SURVEY	10.415 km 5 days	2 150 day		750
VLF SURVEY	10.475 km 50bys @	150 day		750
PROSPECTING	7 days @ 150 /day	' /		1,050
GEOLOGICAL MAPPING.	14 days @ 300 / day			4,200
DRAFTING, REPORT WRITING	8 days@ 150 d	ay	· · · · · · · · · · · · · · · · · · ·	1,200
Associated Costs (e.g. supplie	s, mobilization and demobiliz	ation).		
Sample ANALYSIS - SWAS	STIKA LABS	·		854
CONSUMABLE FIELD SI				235.15
CONSUMABLE OFFICE	SUPPHES			178.10
EQUIPMENT RENTALS,	GPS + VLF			900.00
SHIPPING OF SAUPLES				42.41
Transpo	rtation Costs			
ty4 TRUCK > PROPERTY 51 TR	195 of 32 km ea @ 30	4/Km (16	32 km)	489.6
HOME-SAULTSTE MORIE-HOL			•	180
	Lodging Costs			
Ø				
	RECEIVED			
	DEC 15 1999 GEOSCIENCE ASSESSMENT	Total Val	ue of Assessment Work	14,279.3
Calculations of Filing Discounts:	OFFICE			•
 Work filed within two years of perfo If work is filed after two years and Value of Assessment Work. If this 	up to five years after performan	ce, it can only l	be claimed at 50% of the T	rk. ⁻ otal
TOTAL VALUE OF ASSESSMENT W	ORK	x 0.50 =	Total \$ value of v	worked claimed.
Note: - Work older than 5 years is not eligi - A recorded holder may be required request for verification and/or corre Minister may reject all or part of the	to verify expenditures claimed ection/clarification. If verification		nt of costs within 45 days	of a
Certification verifying costs:				
1, ANGELA GASPARETTO	, do hereby certify, that the	amounts show	m are as accurate as may	reasonably
(please print full name)	, as its objecting, that the		m are as accurate as may	Jugonanij

RECOPDE D HOLDER (recorded holder, agent, or state company position

0212 (03/97)

Declaration of Work form as

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

January 27, 2000

ANGELA EMMA GASPARETTO P.O. BOX 27 BATCHAWANA, ONTARIO P0S-1A0



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

Telephone: (888) 415-9845 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.19957

Status

Subject: Transaction Number(s):

W9950.00110 Deemed Approval

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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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

If you have any questions regarding this correspondence, please contact STEVE BENETEAU by e-mail at steve.beneteau@ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

ORIGINAL SIGNED BY

Blair Kite

Supervisor, Geoscience Assessment Office

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.19957

Date Correspondence Sent: January 27, 2000

Assessor: STEVE BENETEAU

Transaction Number

First Claim

Number Township(s) / Area(s)

Status

Approval Date

W9950.00110

1221636

KINCAID

Deemed Approval

January 18, 9200

Section:

12 Geological GEOL

14 Geophysical MAG

14 Geophysical VLF

Note, in subsequent submissions containing VLF surveys, please ensure the numeric VLF data is plotted on at least one map.

Correspondence to:

Resident Geologist

South Porcupine, ON

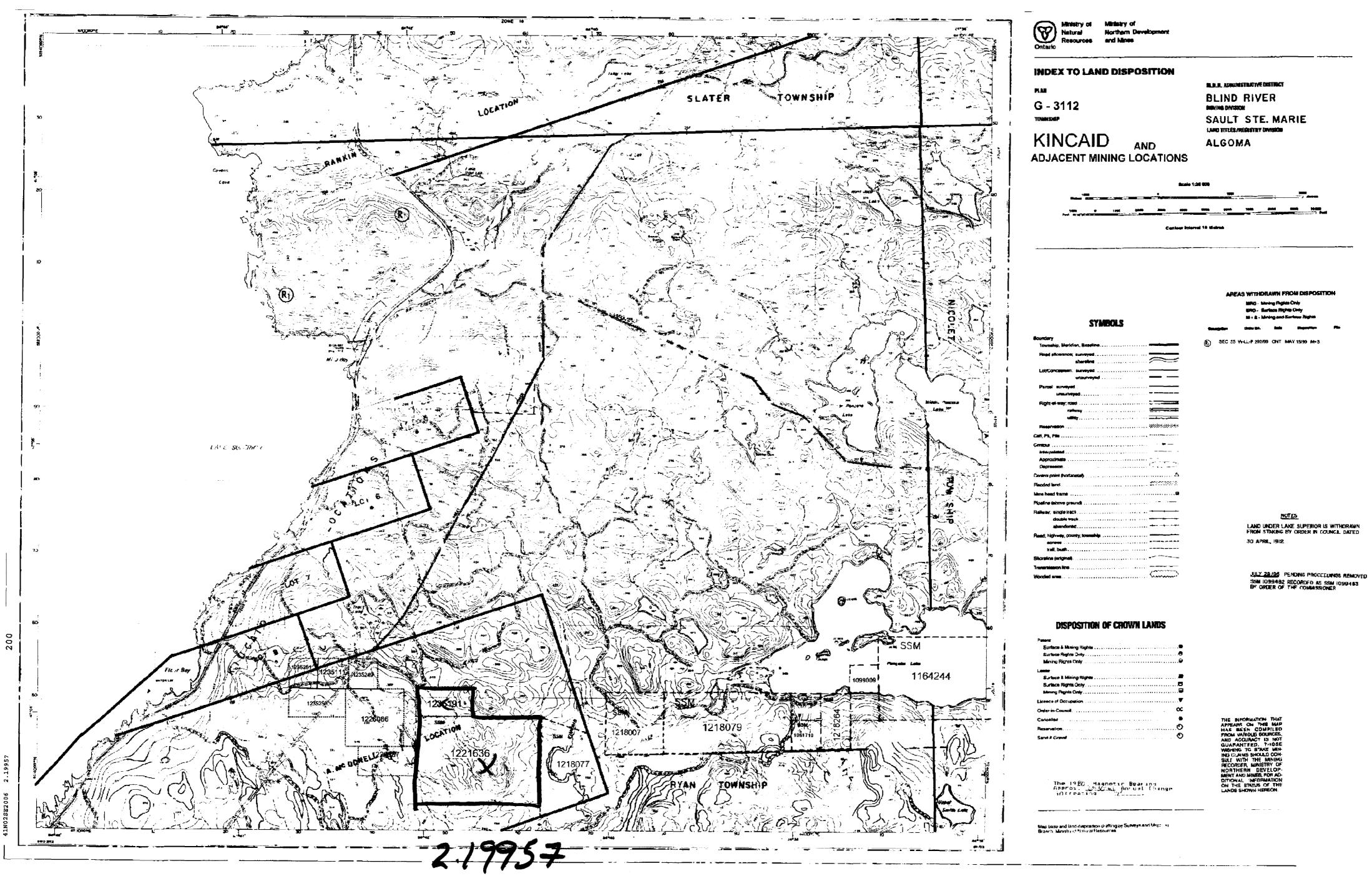
Recorded Holder(s) and/or Agent(s):

ANGELA EMMA GASPARETTO

BATCHAWANA, ONTARIO

Assessment Files Library

Sudbury, ON



2.19957 VLF, MAG PROSP, GEOL

