



41104NE0073 2.11739 CURTIN

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**GEOLOGY REPORT ON HOWRY CREEK
CURTIN TOWNSHIP ONTARIO**

Prepared for: Roger Stringer

Author: Frank Racicot
Date: June 1988

Qual this file

RECEIVED

OCT 24 1988

MINING LANDS SECTION

NAMES AND ADDRESS OF CLAIM HOLDER

Roger Stringer
374 Parchment Street,
Espanola, Ontario
POP 1C0

Phone: (705) 869 - 4734

ASSESSMENT WORK SUBMITTED BY

Roger Stringer
374 Parchment Street,
Espanola, Ontario
POP 1P0

Phone: (705) 869 - 4734

MISCELLANEOUS SURVEY DATA

The entire claims group was covered by the geological survey commencing on April 26, 1988 and finishing on May 13, 1988. (Not consecutive days) The following claim were mapped at a scale of 1" = 100m

895241 to 895243 inclusive
984683 to 984689 inclusive
claim number: 994573

LOCATION AND ACCESS

The property is located in Curtin Township approximately 40 miles (65 km) west of Sudbury, Ontario. The property is reached by driving west on Highway 17 to Highway 68 - the Manitoulin-Espanola turn off. Proceed south 12 miles (20 km) to the hamlet of Willisville about 1.5 miles (2.5 km) north of the village of Whitefish Falls. By means of motor boat one proceeds 3 miles (5 km) to the east end of Charlton Lake to Howry Creek. One then proceeds an additional 3 miles (5 km) as the crow flies, up this narrow, winding creek to an old abandoned farm. The southern limit of the claim group is one quarter mile to the north.

SUMMARY OF PREVIOUS WORK

An airborne geophysical survey was done in 1987 by Aerodat Ltd. The following surveys were performed

- 1) Total Field Magnetics (Contours and colours)
- 2) VLF-EM Total Field (Contours and colours)
- 3) Measured Vertical Magnetic Gradient
(Contours and colours)

Average terrain clearance was 30m and line spacing was 100m. All maps were plotted on a scale of 1:10,000.

Eleven pits of unknown origin and different ages were located on the property.

This property is bounded on either side by three significant properties.

About one mile to the east and on strike, is the old Bousquet Mine. Between 1936 - 1938 a 50-ton per day mill extracted 4672 ounces of gold and 196 ounces of silver. A mineralized quartz vein contained pyrite arsenopyrite and gold.

Less than one quarter mile to the southeast is Howry Creek Mine. Gold occurs in a mineralized quartz vein in brecciated, sheared and silicified with arsenopyrite; and possibly some pyrite. Although not a past producer, the current owner has a valid plan apparently to make money by high grading the old mine dump. Ken Card reports a grab sample of 0.54 ounce of gold per ton from the old shaft dump.

A third site, the Bridger Pond Occurrence, actually occurs between two of the northern claims. Gowganda metasediments have been faulted and silicified and in turn intruded by quartz-carbonate veins. This set of veins is small and apparently only sparsely mineralized.

TABLE OF FORMATIONS

Gowganda Formation

3q.....	Quartzite
3gw.....	Greywacke
3b.....	Tilloid conglomerate (Polymictic paraconglomerate with laminated argillite)
3b-.....	Laminated or massive argillite
3a.....	Polymictic Paraconglomerate

INTRUSIVE CONTACT

Nipissing Diabase

2d.....	Magnetic Pyroxenite
2c.....	Pegmatite phase
2b.....	Mafic rich (Gabbro - in part or whole)
2a.....	Diorite - Quartz Diorite

PRINCIPAL ROCK UNITS

Nipissing 'Diabase'

Unit 2a

The main unit in the south half of the claim group is mapped as Nipissing diabase and is referred to as a metagabbro dike. In the map area the most common phase of this mafic unit is a diorite with phases of quartz diorite, gabbro or even pegmatite. It is possibly a sill.

The diorite is usually green to blackish, medium grained and generally consists of 20 - 40% anhedral to subhedral phenocrysts of feldspar. Mafic minerals consist essentially of greenish pyroxene. In places the rock contains enough quartz (greater than 10%) to become a quartz diorite. It will occasionally be coarse grained and have well formed phenocrysts.

Unit 2b

In certain areas throughout the grid but generally to the west, there is more gabbro. It is dark and frequently coarse grained. There is generally less feldspar or quartz. Usually there is not a specific contact but the change from outcrop to

outcrop or within the same outcrop can be rather abrupt.

Unit 2c

This is an unusual and not all that common phase of this intrusive. It is a pegmatite consisting mainly of a coarse grained "mush" of quartz and orthoclase. In places-especially near the "malachite pit" on line 2W (see economic geology) there is less orthoclase and more plagioclase and this unit resembles an anorthosite, although pegmatite was also at this location.

The huge body of pegmatite that occurs within the rock unit is a zone that likely was the result of phase differentiation before the intrusive was emplaced. This is also confirmed by the fact that the contacts of this pegmatic zone are not sharp-but do change very quickly.

An interesting phase of this unit occurred in one place near the malachite pit on line 2W. Here, part of the outcrop consisted of rounded, almost spherical bodies of feldspar surrounded by a fine to medium grained matrix. These "pebbly looking" porphyroblasts averaged 1cm in diameter and ranged in size from 25m to 2m in size. They constituted 50 to 70 percent of the rock and likely indicate a re-dissolution of feldspar phenocrysts - or a fast expulsion of part of the cooling magma. Its' close proximity to the mineralization in this area may be related.

Unit 2d.

This unit, a pyroxennite, occurs mainly as a ridge about 10m wide and over 100m long at line 2 + 40W on the base line. It is more mafic, somewhat heavy and moderately magnetic. It is internally rusty and weathers very similar to a peridotite (Dan Brunne - personal communication). The rock is medium to fine grained and has more small acicular (needle-like) crystals of pyroxene.

Two separate "outcrops" of frost heave.....more-or-less on strike and very similar to this unit were found in gulleys. The first was about 300m to the S.E. and the second was about 400m to the N.W. on the north side of Casson Lake. This seems to indicate this unit may be a dike.

GOWGANDA METASEDIMENTSUnit 3a

This unit was the most common sediment in the map area. The following excerpt from O.G.S. Report 131 by K. D. Card (page 24) accurately describes this unit "... a polymictic paraconglomerate, or pebbly mudstone with a grey or green greywacke or subgreywacke matrix". A paraconglomerate generally contains over 50% matrix and the pebbles do not touch each other. Card's description continues "pebbles commonly constitute only 10 to 20 percent of the rock and are dominantly pink granite types ranging in size from less than 1 inch to 3 feet (2.5 cm to 0.9 m) and averaging 1 1/2 inches (3.8 cm). Approximately 75 percent of the pebbles are granite, 20 percent are fine-grained mafic and felsic types, and the remainder are chert and schist. The matrix is generally unstratified...and poorly sorted".

This description fits the Gowganda Formation rocks of unit 3a accurately, although the description of the matrix from this report is more detailed than the scope of this mapping project required-or time allowed. For the most part, the matrix could be described as a greywacke or subgreywacke, although at times the matrix could be very rich in quartz or very argillaceous.

Unit 3b

The other abundant rock type that commonly occurs in the area is a tilloid-type conglomerate. There are generally fewer pebbles and they are generally smaller. According to Card, pebbles form "10 to 15 percent of the rock, are mainly granitoid types averaging 1 to 2 inches (2.5 to 5 m) in diameter".

The matrix would at times be a finely laminated argillite with black and light greenish 1 mm bands or more frequently it would be a massive blackish argillite that was thinly bedded in places.

Unit 3b would grade into or at times resemble two of the other units. At times if it had more pebbles or the matrix was more like a greywacke or more siliceous it would resemble unit 3a.

Other times if there were very few pebbles or the outcrops were just thinly bedded or massive argillite, it would be called an argillite, unit 3b-. This would explain why there were many outcrops with two designations - ie 3a/3b or 3b/3b-. Many times in this pebble poor unit there would be large outcrops with varying degrees of shearing.

Unit 3q

This unit, a quartzite, was not found very extensively in the map area. It was found mainly at or close to the contacts on either side of the intrusive.

It was generally fine grained, hard and pinkish to greenish in colour. The consistent proximity to the intrusive would indicate that this quartzite is genetically related to the intrusive. Or the intrusive is sub-parallel to the quartzite.

Unit 3gw

This unit consists of a very distinct looking, hard, gritty greywacke with a few 1 to 3 cm rounded granitoid pebbles.

This unit consists of a very distinct looking, very hard, blackish greywacke. It contains up to 5% sub angular, clear looking quartz grains and some 2 to 5 percent scattered granitoid grit - about 2 to 5 mm in diameter. There are also, a few (1 to 3 cm) rounded granitoid pebbles.

Interestingly enough some pyrite and chalcopyrite (less than 1 percent) occur within the matrix of the rock.

The immediate consistency of this unit was not recognized but once it was, most outcrops of this unit were found within 100 to 200 m of the north contact of the intrusive. This indicates

- a) that there is a crude bedding in the metasediments and
- b) the diorite sill was intruded parallel or sub-parallel to the metasediments.

STRUCTURAL GEOLOGY

According to the government map of the area (Map 2312) that accompanies O.G.S. Report 121 the claim group is bounded on all 4 sides by assumed faults. There were no faults observed on the property, although there was shearing-mainly in the metasediments but also in the intrusive.

The most abundant amount of shearing occurred in the Gowganda metasediments in the northern part of the property south and east of what is referred to as the Bridger Pond Occurrence. Normal strike of the shearing was 070 - 090 degrees and dipped 70 - 80 degrees north.

Circumspect evidence does however indicate that the intrusive sill south of Cassan Lake has shifted slightly, or buckled as there is a change in strike of the northern contact. Also, the greywacke - unit 3gw - is located right next to the intrusive on line 6W, south of Cassan Lake.

There is also some shearing usually related to veining and or mineralization within the intrusive (See Economic Geology).

ECONOMIC GEOLOGY

Mineralization occurs both in the Nipissing Diabase and in the Gowganda metasediments. The various types of mineralization are discussed for each rock type. Minor amounts of pyrite are not discussed, as it is 'relatively' common.

NIPISSING 'DIABASE'

The following types of mineralization were found in this unit.

1) Disseminated Sulfides - Several areas contain this type of mineralization. Three main areas were a) in the location of some old pits near line 4W between stations 2S and 4S and in an outcrop at 3 + 20W and 0 + 50S b) some disseminated sulfide was also found on the base line at 1E. A distance of 500m separates the two areas but they are not connected and c) just east of the quartz veining at 8 + 60E and 0 + 60S. Sulfides usually consist mainly of chalcopyrite (cp) pyrrhotite (po) and some minor pyrite (py). The richest concentration of sulfides occurred in the H-1 pit at line 4W and 4S. Up to 8 - 10% cp + po (mainly cp) were found in this rock, although 4 - 7% sulfides would be more common. Of interest and possible genetic significance was the observation of several quartzite xenoliths about 1m long. They were located about 20m west of the disseminated sulfides found in the H-2 pit at 3 + 70W and 1 + 50S.

Interestingly enough, the third area of disseminated sulfides which was also localized, had some cobalt bloom and was also in close proximity to some quartzite xenoliths about 60m to the west.

Five grab samples were taken from this area. The best gold assay was .008 oz/ton. Cobalt ranged from 0.006% to 0.074%.

Some disseminated sulfides were found in a coarse grained mafic phase of the intrusive at 8 + 70W and 1 + 10S. There was only a small amount (3-4%) of cp, but its' significance lies in the fact that this mineralization is related to phase differentiation of the silicate melt.

Some disseminated cp (1 - 4%) was found at the "malachite pit" in the diorite at 2W and 1S. A lesser amount of mineralization was found in the anorthosite.

Quartz Veining - Three pits were found on the north side of the intrusive between 7 + 60W on the base line and 11 + 75W and 1 + 90S (the last being about 75m west of the most western claim line boundary). For about 400m there is a quartz vein at the contact with the intrusive and quartzite and in these three pits.

The quartz vein in places forms part of a zone with sheared rusty quartzite. This zone up to a maximum of one and a half meters wide at the 9 + 60W and 0 + 70S. The total combined width of the quartz vein here is up to 1 meter and contains very minor amount of visible pyrite. Samples taken from two of these pits assayed only trace amounts of gold.

There was one mineralized area which contained quartz veining but was limited in its' extent. This area was referred to in the field as the malachite pit, on line 2W at 1S. This is the same area that contained the anorthosite and rounded feldspar porphyroblasts.

The pit itself is about 3 meters wide and the mineralization largely appears to be in several thin quartz pods (5 to 10cm) in sheared diabase.

The mineralization consists largely of some chalcopyrite with traces of bornite in and at the contact with one of several quartz pods in this zone. An unusual weathering feature has resulted in vuggy quartz, very much malachite, smears of azurite and small amount of cobalt bloom. It was surprising to observe

so much secondary mineralization in the area especially when compared to the amount of chalcopyrite. Carbonate was associated with the mineralization. This showing did not appear to extend much beyond the area of the pit and outcrop. An assay from this zone ran 0.035 oz/ton, gold and 0.001% cobalt. There was also mineralization that occurred as large disseminations within the intrusive.

3) Shear Zones - Some mineralization was found in minor shear zones in the intrusive. The largest of these was some fault gouge at 9 + 30W and 2 + 80S. This fault gouge occurs mainly in an area about 1 meter wide with a strike of 100 degrees and a dip of 45 degrees north. Some carbonate and about 2 to 3% cp were observed over a distance of 1 to 2 meters.

GOWGANDA METASEDIMENTS - The following types of mineralization were found in this unit.

1) Shear Zones - The most interesting area that contain sulfides in the metasediments was between lines 1W and 3W near 6N. Here some rusty sheared quartzite contains about 4 to 5% py. These rocks are in close contact to green, hard, laminated argillites and/or more softer and sheared argillites.

About 300m due east and on strike some cp (1 to 2%) was found in an orangy gritty quartzite. Within half a meter there was also some shearing and minor quartz veining (2 to 10mm) with traces of pyrite. This may be related to the disseminated cp in the quartzite.

Of interest to note was the presence to what is referred to as pyrite and hematite "halos" in these two areas. These "halos" occur in argillites and quartzites and look like small 1mm rusty stains in the rock and constitute about 5 to 10% of the rock. (See sample 211-U). And yet there is not always visible pyrite in these rocks. These "halos" were similar, if not identical to the rocks about 300m to the west at the Bridger Pond occurrence. The best gold assay from these rocks was 0.014 oz/ton. (Sample 212-U). It occurred in laminated and slightly sheared argillite with only minor pyrite (1 - 3%).

2) Quartz Veining - The most significant mineralization

related to quartz veining was at 8 + 40E and 0 + 80S - just near the eastern boundary of the property.

In the quartzite but at the south contact of the intrusive there is a huge quartz pod ranging from about 1 to 2m wide (total width) and ranging about 2 to 4m long. Most of the mineralization is pyrite and some chalcopyrite. The best assay of this material was 0.005 oz/ton of gold and 0.004% Cu.

SUMMARY AND RECOMMENDATIONS

The two main rock types on the claim group were Nipissing Diabase (actually a diorite to gabbro) and Gowganda metasediments.

The intrusive had some sulfide mineralization in shears, quartz veining and as disseminated sulfides. None of this mineralization seemed very continuous, wide or of high enough quantity to warrant any major interest.

The moderate consistency of shearing, pyrites "halos" and pyrite mineralization in the northern part of the grid despite the low assay values might seem to warrant some additional work. Especially in areas where outcrop exposure was low to poor. Assay #212-U of 0.014 oz/ton of gold from 2W and 5 + 80N is the highest value from sheared quartzite in the area. There is a bit of a swamp just to the north of this location. A geochemical and/or geophysical in this area should be considered.

Of special interest to note is the finding of some very anomalous values of platinum and paladium (see Appendix 1 - pg 21).

These rocks were taken from grab samples and indicate that this type of mineralization is indeed in the area.

STATEMENT OF QUALIFICATIONS

This is to certify that I, Frank Racicot have obtained a BSc in geology from Laurentian University in 1974 and have worked in the field in part or whole for 10 field seasons.

Signed Frank Racicot

Frank Racicot

Date: June 1988

APPENDIX 1

Ontario

 Ministry of
Northern Development
and Mines

 Ontario
Geological
Survey

 25 Grenville Street
11th Floor
Toronto, Ontario
M7A 1W4
Telephone 965-1337

 Geoscience
Laboratories
Report

SSUBO TC

 T.T.L.
P.O. BOX 799
COBALT, ONTARIO
POJ 1C0

 For: Roger Stringer
P.O. Box 2063,
Espenola, Ont.
POP 1C0

0133-88

SAMPLE NUMBER	GOLD Au ppb	PLATINUM Pt ppb	PALLADIUM
			Pd ppb
STRING 217U	670	820	1460
218U	655	545	1840
220U	<2	<1	<1
221U	290	415	700

This completes all analytical work for samples entered in your name
on JUNE 15, 1988

Fees Received: ~~DEBIT~~ Charged 12 coupons card #0957

Chris Riddle
Chris Riddle, Chief Analyst

JUNE 29, 1988



Ontario



41104NE0073 2.11739 CURTIN

900

Ministry of
Northern Development
and Mines

REL. JAN. 89

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

Ministère du
Développement du Nord
et des Mines

Telephone: (416) 965-4888

December 29, 1988

Your file: W8807-209, 210
& 223

Our file: 2.11739

Mining Recorder
Ministry of Northern Development and Mines
Bag 3000
200 Brady Street, 6th floor
Sudbury, Ontario
P3A 5W2

Dear Sir:

Re: Notice of Intent dated December 13, 1988
Geological Survey and Data for Assaying
submitted on Mining Claims S 895241 et al in Curtain Township

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

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

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division
RM
RM:pl
Enclosure

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

Resident Geologist
Sudbury, Ontario

Mr. Roger Stringer
P.O. Box 2063
Espanola, Ontario
POP 1C0

Mr. Dan Brune
P.O. Box 35
Whitefish Falls, Ontario
POP 2H0

Mr. Frank Racicot
P.O. Box 114
Wahnapiatae, Ontario
POM 3C0



Recorded Holder	Roger Stringer
Township or Area	Curtain Township

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>* No expenditure credits allowed. Credits were granted for the same survey on Reports of Work W8807-209 and W8807-210.</p>

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

--

No credits have been allowed for the following mining claims

<input checked="" type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> insufficient technical data filed
S 895241 to 243 inclusive 894683 to 689 inclusive 994573	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Recorded Holder
Roger Stringer

Township or Area
Curtain Township

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>\$545.50 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:</p> <p>S 895241-242 984684-685 984688-689 994573</p> <p>36.3 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION SECTION 76(6) OF THE MINING ACT R.S.O. 1980.</p>

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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 80.



Recorded Holder	Rgoer Stringer
Township or Area	Curtain Township

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological <u>40</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	S 895241 to 243 inclusive 984683 to 685 inclusive 984688-689 994573

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

20 days Geological
S-984686-687

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 80.

DOCUMENT No. **W8807-209**

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

Mining Act

Type of Survey(s) GEOLOGICAL	Township or Area CURTAIN TWP.
Claim Holder(s) ROGER STRINGER	Prospector's Licence No. C-32622
Address P.O. BOX 2063, ESPANOLA, ONT. POP 1C0	
Survey Company RACICOT CONSULTING	Date of Survey (from & to) 26 04 88 13 05 88 Day Mo. Yr. Day Mo. Yr.
Name and Address of Author (of Geo-Technical report) FRANK RACICOT, P.O. BOX 114, WAHNAPITAE ONT. POM 3C0 ph. (705)694-5920	

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	40
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
S	895241				
	895242				
	895243				
	984683				
	984684				
	984685				
	984686				
	984687				
	984688				
	984689				
	994573				

SUBBURY MINING DIV.
RECEIVED
OCT 17 1988
A.M. 7 8 9 10 11 12 P.M. 1 2 3 4 5 6

SUBBURY MINING DIV.
RECEIVED
OCT 17 1988
A.M. 7 8 9 10 11 12 P.M. 1 2 3 4 5 6

REPORTS AND MAPS ATTACHED

Expenditures (excludes power stripping)

Type of Work Performed
MINING LANDS SECTION

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ + 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **11**

For Office Use Only

Total Days Cr. Recorded	Date Recorded	ACTING Mining Recorder
440	OCT. 18 1988	<i>Keri Grace</i>
	Date Approved as Recorded	Branch Director
	<i>See record statement</i>	

Date **Oct 17 1988** Recorded Holder or Agent (Signature) *Roger Stringer*

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
ROGER STRINGER P.O. BOX 2063 ESPANOLA, ONT. POP 1C0 705-569-4734

Date Certified **Oct. 17 1988** Certified by (Signature) *Roger Stringer*

DOCUMENT NO.
W8807-210

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

Mining Act 2.11739

Type of Survey(s)		Township or Area CURTAIN TWP.	
Claim Holder(s) ROGER STRINGER		Prospector's Licence No. C-32622	
Address P.O. BOX 2063 ESPANOLA, ONT. POP 1C0			
Survey Company	Date of Survey (from & to) Day Mo. 88 Day Mo. 88	Total Miles of line Cut	
Name and Address of Author (of Geo-Technical report)			

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
S	895241	3.3			
	895242	3.3			
	895243	3.3			
	984683	3.3			
	984684	3.3			
	984685	3.3			
	984686	3.3			
	984687	3.3			
	984988	3.3			
	984689	3.3			
	994573	3.3			

RECEIVED
OCT 24 1988
MINING LANDS SECTION

SUDBURY MINING DIV.
RECEIVED
OCT 17 1988
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures **\$ 545.50** ÷ Total Days Credits **15** = **36.3**

Total number of mining claims covered by this report of work. **11**

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded 36.3	Date Recorded OCT. 19/88	ACTING Mining Recorder <i>Ken Giroux</i>
	Date Approved as Recorded <i>See revised statement</i>	Branch Director

Date **Oct. 17/88** Recorded Holder or Agent (Signature) *Roger Stringer*

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

Name and Postal Address of Person Certifying
ROGER STRINGER P.O. BOX 2063 ESPANOLA, ONT. POP1C0

Date Certified **Oct 17/88** Certified by (Signature) *Roger Stringer*

DOCUMENT No.

W8807-223

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

Mining Act 2.11739

Type of Survey(s) ASS'T: LINECUTTING, GEOLOGICAL MAPPING, SAMPLING		Township or Area CURTAIN TWP.
Claim Holder(s) ROGER STRINGER		Prospector's Licence No. C-32622
Address P.O. BOX 2063 ESPANOLA, ONT.		POP 1C0
Survey Company LORDAN EXPLORATION SERVICES	Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr. 26 04 88 13 05 88	Total Miles of line Cut
Name and Address of Author (of Geo-Technical report) DAN BRUNE, P.O. BOX 35, WHITEFISH FALLS, ONT. POP 2H0 ph.(705)285-4422		

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

Mining Claims Traversed (List in numerical sequence)		
Prefix	Mining Claim Number	Expend. Days Cr.
S	895241	8.5
	895242	8.5
	895243	8.5
	984683	8.5
	984684	8.5
	984685	8.5
	984686	8.5
	984687	8.5
	984688	8.5
	984689	8.5
	994573	8.5

RECEIVED
NOV 25 1988
MINING LANDS SECTION

SUDBURY MINING DIV.
RECEIVED
NOV 17 1988
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.
J.L.S. int

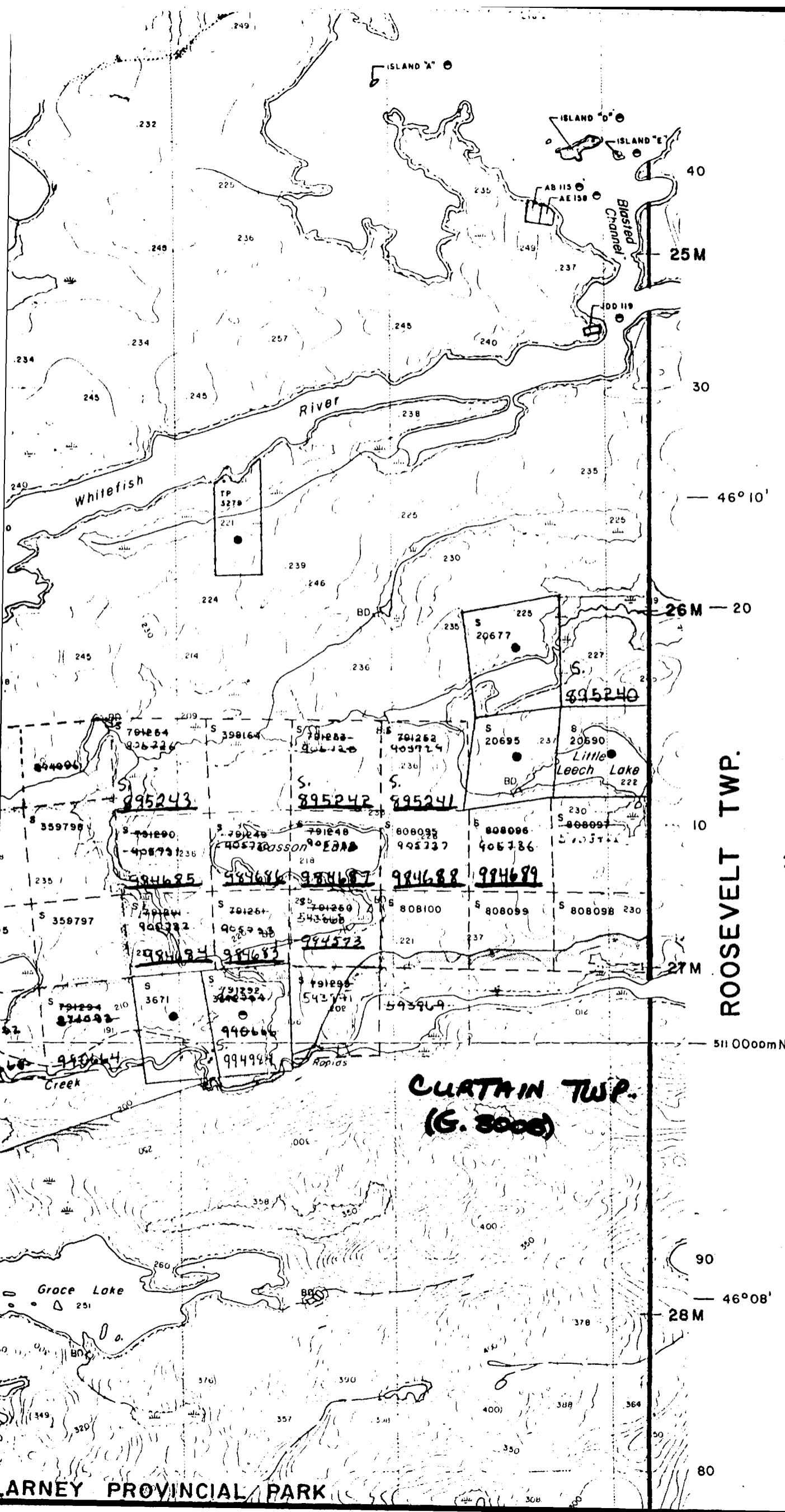
Expenditures (excludes power stripping)	
Type of Work Performed	
Performed on Claim(s)	
Calculation of Expenditure Days Credits	
Total Expenditures \$ 1400.00	Total Days Credits 93.3
Instructions Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.	

Total number of mining claims covered by this report of work. 11

Date Nov. 17/88	Recorded Holder or Agent (Signature) Roger Stringer
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For Office Use Only	
Total Days Cr. Recorded 93.3	Date Recorded Nov. 23/88
Date Approved as Recorded	Branch Director See revised statement

Certification Verifying Report of Work	
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.	
Name and Postal Address of Person Certifying ROGER STRINGER P.O. BOX 2063 ESPANOLA, ONT. POP 1C0	
Date Certified Nov. 17/88	Certified by (Signature) Roger Stringer

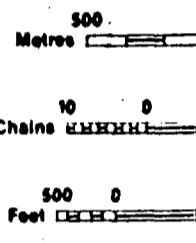


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 - CANCELLED
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NOTE: MINING
1913, V
LANDS



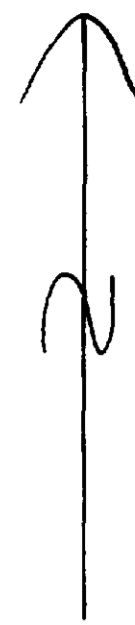
* Order No.
1985.12.1

Order No

ROOSEVELT TWP.

**CURTAIN TWP.
(G. 3006)**

ARNEY PROVINCIAL PARK

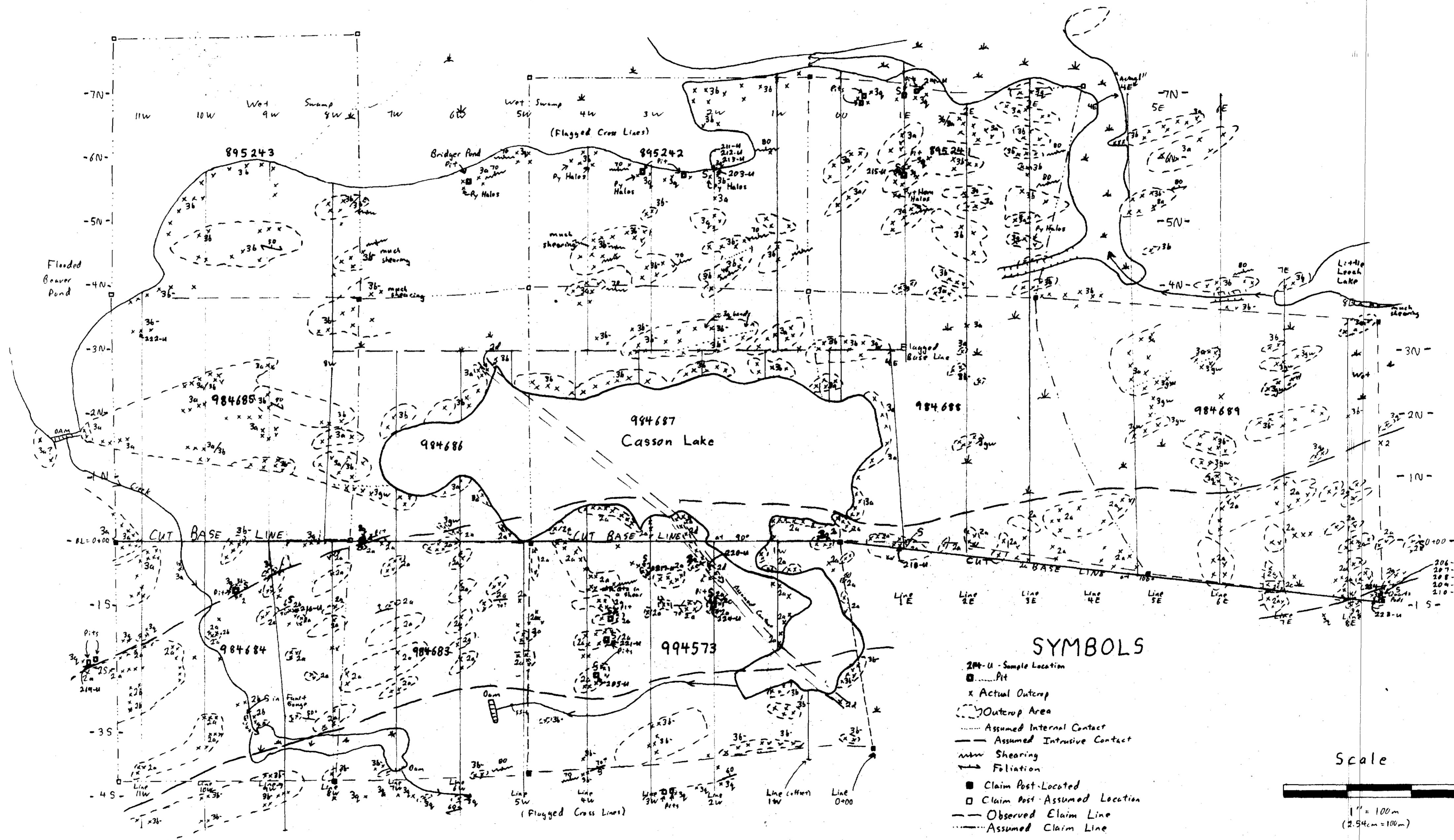


LEGEND

- 3y Quartzite
 - 3w Greywacke
 - 3b Tilloid conglomerate (Polymictic para-conglomerate with laminated argillite)
 - 3b' Laminated or massive argillite
 - 3a Polymictic paraconglomerate
- INTRUSIVE CONTACT**
- Nipissing Diabase
 - 2d Magnetic Pyroxenite
 - 2c Pegmatite Phase
 - 2b Mafic Rich (Gabbro in whole or in part)
 - 2a Diorite-Quartz Diorite

Howay Creek Property
Curtin Twp, Ontario

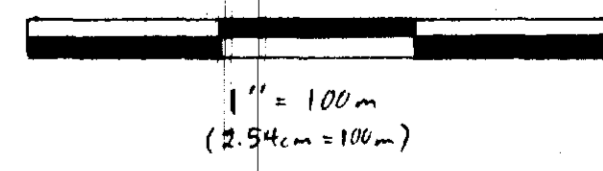
Property Owner - Roger Stringer
Survey Dates - April 26/88 to May 13/88
(Inclusive)



SYMBOLS

- 204-U - Sample Location
- Pit
- x Actual Outcrop
- Outcrop Area
- Assumed Internal Contact
- Assumed Intrusive Contact
- ~ ~ ~ Shearing
- Filiation
- Claim Post-Located
- Claim Post-Assumed Location
- Observed Claim Line
- Assumed Claim Line
- Swamp
- Grid Lines
- S Sulfides
- Py Pyrite
- Hem Hematite
- Quartz vein

Scale



Nature of overburden - Generally clay but organic rich in places
Forest cover - Mainly birch & poplar some pine.

Geology & report by: Frank Racicot
(Frank Racicot) June/88

