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MINING LANDS SECTION

GEOLOGICAL REPORT

ON THE

MATAGAMISI LAKE PROPERTY,
SUDBURY AREA, ONTARIO.

FOR

NEW AUGARITA PORCUPINE MINES LTD.

bу

H.D.McLeod, P.Eng.

Geological Engineering Services

North Bay, Ontario.

October, 1983.

WACE OF OHTE

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Sketch of Old Working

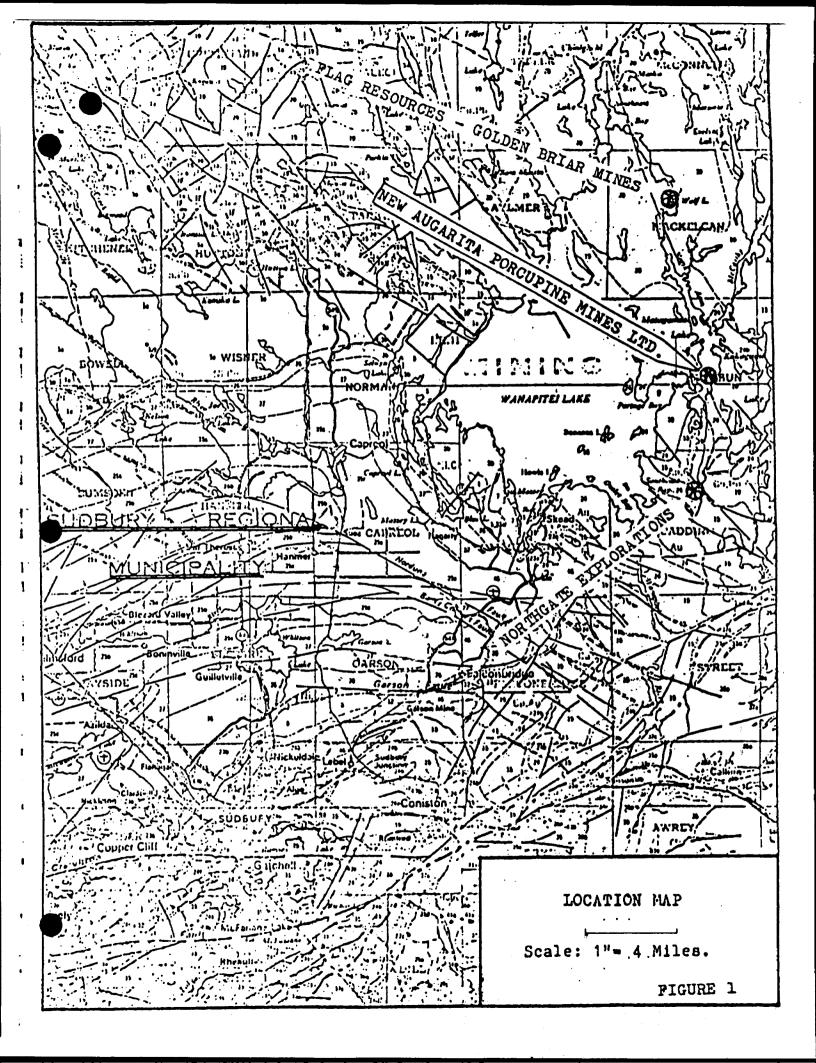


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SUMMARY

The New Augarita Porcupine Mines property in Rathbun
Township, Sudbury Area, Ontario was optioned from W & J Mackie
in 1983. The claims were staked to cover the old Last Chance
Mine gold deposit, a gold-bearing breccia, other gold-bearing
quartz veins and the extension of one of the Crystal Mine's
highgrade veins. Extensive work between 1888 and 1911 developed
the Crystal Mine and Last Chance Mine veins, considerable gold
production being reported. Intermittent exploration on the
various occurences within and adjacent to the claims has been
carried out since 1911.

Geophysical surveys were completed over the land portion of the six eastern claims of the group where the Last Chance veins, the breccia zone and other gold-bearing veins are reported to occur. Geological investigation of nine geophysical anomalies outlined explained two as sulphides. The remainder have no obvious sources. The gold-bearing quartz veins have insufficient sulphide content to react to the surveys.

Exploration of the known veins for highgrade gold deposits and exploration of the quartz-gabbro intrusive, with which the veins are associated, for additional deposits is considered warrented. Exploration of the "Breccia Zone" and exploration for other similar structures is warrented on the basis of favourable results on similar structures to the south and north --- Northgate Explorations and Flag Resources-Golden Briar Mines respectively.

INTRODUCTION

The New Augarita Mines Ltd. property in Rathbun Township, Sudbury District, Ontario was acquired by option from W. Mackie and J. Mackie of North Bay in 1983. The claims were staked by the Mackies to cover the Last Chance Mine Occurrence, other known gold-bearing veins, a gold-bearing breccia zone and the northeastern extension of the Crystal Mine vein. These gold deposits were worked mainly during the period 1888 to 1911, however intermittent work was carried out up to 1944. Production is reported from the Last Chance Mine and Crystal Mine deposits.

In 1983 Rayan Explorations of North Bay were contracted to complete line cutting and geophysical surveys over that portion of the claims lying to the east of Matagamisi Lake. These surveys covered the Last Chance Mine veins, the breccia zone and other showings. A report on the geophysical surveysmagnetometer, VLF EM, I.P. Chargeability, I.P. resistivity-by R.J. Meikle accompanies.

In October 1983 the writer was contracted to make a geological investigation of the interesting geophysical anomalies and subsequently asked to prepare a detailed report. Two days were spent in the field on the geological investigation.

For the purpose of this report all available references to the occurrences within and close to the claims in Federal and Provincial publications were researched. Information provided by the Mackies from other sources including the Resident Geologists files in Sudbury are included.

Reference is made to the Northgate Explorations Scadding
Township deposit to the south and to the Golden Briar MinesFlag Resources exploration in Mackelcan Township to the
north as these are considered to reflect possibilities on
the New Augarita group. This report is a product of a study
of available information, a brief geological examination of
part of the property and a study of the geophysical survey
results, the methods thoroughly familiar to the author.

The author's certificate is appended.

PROPERTY

The New Augarita Porcupine Mines Ltd. option consists of 15 contiguous unpatented mining claims numbered S608351, S608352, S608354, S608355, S608356, S608358, S608456, S608457, S608458, S608459, S608460, S608461, S608462, S608463 and S608464. The claims are presently held in the name of Percy W. Bishop of New Augarita. No assessment work has been applied to date, the claims being under extension to May 31, 1984. The claims were staked by W. Mackie and J. Mackie and optioned to New Augarita, the claims now wholly owned by the Company subject to the terms of the option agreement.

LOCATION AND ACCESS

The claims cover a portion of the south end of Matagamasi Lake, islands in the lake and some adjoining land in the central part of Rathbun Township, Sudbury Mining Division, a distance of approximately 28 miles northeast of Sudbury, Ontario. Location and claim maps are included.

Access to the property is by the Kukagami Lake road which goes north from highway 17 at a point six miles to the east of Wahnapitei. The road leads to the south end of Matagamisi Lake, a distance of approximately 16 miles. From there a short boat trip is required.

HISTORY

Crystal Mine

- 1888 the Crystal veins discovered.
- 1888 1894 surface work, four shafts, the main shaft to 100 feet, adit to 106 feet.
- 1895 1897 a 5-stamp mill installed and considerable (no records) gold production.
- 1907 the mine re-opened by the Crystal Mining and Milling Company.
- 1907 1911 gold production recorded (no confirming data).
- 1925 1926 Crystal Comstock Mines no.4 inclined shaft deepened to 210 feet, approximately 210 feet of drifting on the 200-foot level, some cross-cutting. Some diamond drilling.
- 1936 some underground work, hand cobbing of highgrade reported.
- 1944 Sylvanite Gold Mines surface investigation, two drill holes totalling 378 feet.
- 1963 1970 Little AG Mines Ltd geophysical survey, surface work, diamond drilling.

New Augarita Property

- 1892 Last Chance Mine J. Larose and H. Ranger located gold-bearing quartz veins, some trenching.
- 1892 ? Last Chance Mine shaft to approximately 35 feet, small mill erected, approximately \$30,000.00 in gold produced (no official record)
- 1907 1935 intermittent surface work.
- 1936 the claims re-staked as they had lapsed.
- 1944 a drill moved to the property however no drilling done due to a dispute.
- 1949 Vanda Mines three drill holes totalling 925 feet for assessment purposes.
- 1968 Kennco Explorations airborne electromagnetic and radiometric surveys.

Comstock Mine

1897 - Comstock Gold Mining and Development Company - shaft to 102 feet, lateral work on the 90-foot level.

Gordon Mine

1895 - shaft sunk to 40 feet, two diamond drill holes.

REFERENCES

- (1) Ontario Bureau of Mines Vol. 5, 1895, P. 263*
- (2) Ontario Bureau of Mines Vol. 6 1896. Pgs. 57, 125, 126.
- (3) Ontario Bureau of Mines Vol. 7, 1897, Pt. 1.*
- (4) Ontario Bureau of Mines Vol. 7, 1897, Pt. 2.
- (5) Ontario Bureau of Mines Vol. 17, 1908.
- (6) Ontario Bureau of Mines Vol. 18, Pt. 1, 1909.

- (7) Geological Survey of Canada Memoir 95, 1917 "Onaping Map Area", W.H. Collins.*
 - (8) Ontario Dept. of Mines Vol. 30, Pt. 2, 1921 "Ontario Gold Deposits", P.E. Hopkins.
 - (9) Geological Survey of Canada Summary Report 1921, Pt. D "Wahnapitei Map Area", T.T. Quirke.
 - (10) Canada Department of Mines Memoir 192, 1936 "Gold Occurrences East of Lake Superior", E.D. Kindle.
 - (11) Canada Department of Mines and Resources Economic Geology Series No. 15 - "Canadian Lode Gold Areas", 1946, H.C. Cooke.
 - (12) Ontario Geological Survey Preliminary Map P1609 "Rathbun Township", 1978.
 - (13) Ontario Geological Survey Mineral Deposits Circular
 No. 18 "Gold Deposits of Ontario, Part 2", 1979.
 - (14) Ontario Geological Survey Preliminary Map 2197, Sudbury Data Series - "Rathbun Township", 1981.
 - (15) Summary of Information and Sudbury Office Assessment Records W. Mackie.
 - (16) Verbal Information Provided by W. Mackie and J. Mackie.* Not available to the author.

GEOLOGY

General - The most recently published data - O.G.S. Preliminary Map 1609, Rathbun Township, 1978 - shows the claims area to be underlain by Gowganda wackes and Nipissing quartz diabase in approximately equal proportions.

The wackes are a massive prorly bedded fine-grained siliceous sediment occupying the southeastern one-half of the claims area, probably underlying the most northerly claimwater claim S608464, and forming a narrow north-south band on claim S608354. Bedding is not common, however, where noted,

strikes N10°W to N10°E and dips from 20° to 50° to the east.

The quartz gabbro is a uniform massive medium-to coarsegrained intrusive forming an irregular plug-like mass underlying the central and west-central sections of the group. A north-south striking tongue extends south into the wackes in the southeastern part of the claims. The most westerly claim-S608456 - lies within the eastern part of a second quartz gabbro intrusive centered to the west. The ouartz gabbro is intrusive and probably cross-cutting, however the true attitude is uncertain.

The geology of that portion of the claims examined by the author conforms well to that shown on the O.G.S. Preliminary Map.

Mineral Deposits

Last Chance Mine - Reference # 2 - "Two principal parallel veins have been discovered running east and west and a slight dip to the south, with several stringers or small veins running in the same direction. Work has been done on the two principal veins,---one of the veins has been traced by the outcropping quartz for a quarter of a mile, and the other for fully 300 feet. Stripping has been done in several places on the longer traced vein and a test shaft sunk twelve feet. Another shaft---was down eight feet, showing sulphide iron mixed with quartz. The other larger vein---has been opened by stripping for a few hundred feet, showing the width of vein to be 14 inches. On the hill above the lake,----there is a large band of mineral quartz, the small stringers running in the same direction as the other veins; some of them when opened showed liberal free gold".

Reference # 4 - "At the Last Chance---may be seen a vein

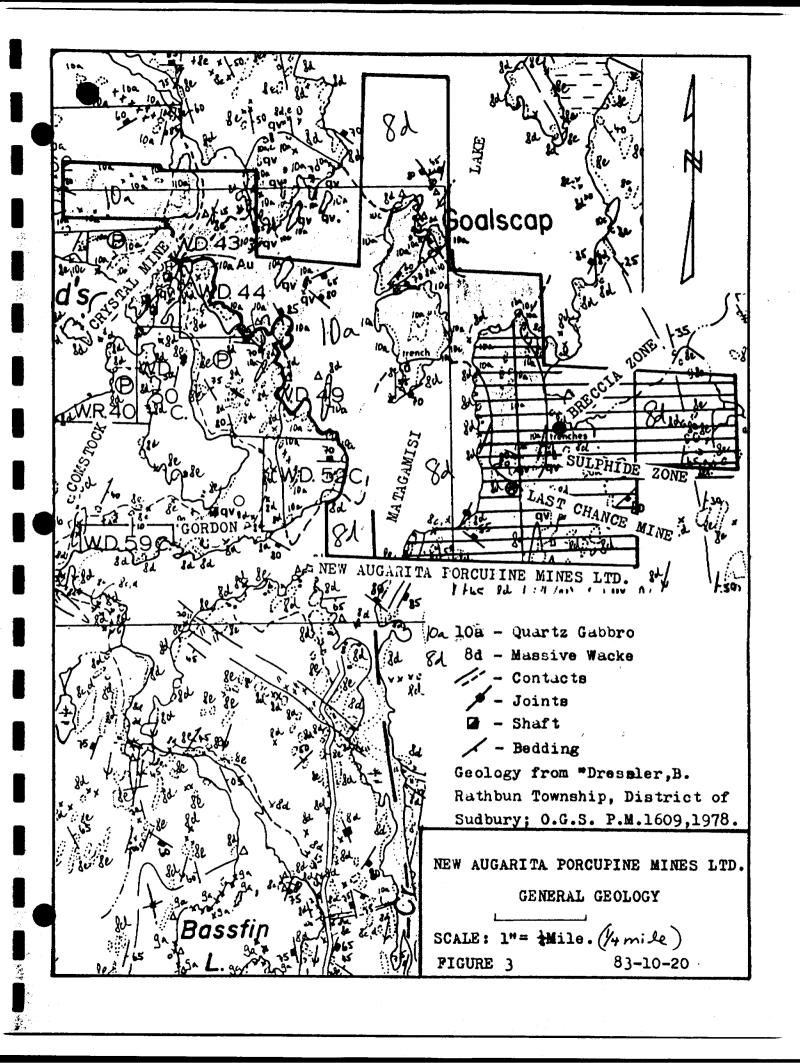
six or eight inches wide, said to be traceable for a long distance. It runs about 10° south of east and dips slightly to the south. The country rock is diabase. The quartz looks well and carries free gold----a shaft, which was 18 feet deep. There are several other veins of similar size on the property, but not so rich as the one worked."

Reference # 10 - "This property on Lake Matagamasi---in Rathbun Township. Between 1892 and 1897 two shallow shafts were sunk on quartz veins".

Reference # 15 - Previous to the turn of the century \$35,000.00 in gold at \$20.00 per ounce was mined from one shallow shaft".

Reference # 16 - "The old trenches and shafts were located but are now filled in and overgrown. A small slimes area and foundations indicate a small mill in production".

Breccia Zone - Reference # 15 - "East of the sill a large breccia zone (claim 608355) was opened up for a length of 700 feet. This zone was 250 feet wide at the west end where it came in contact with the diabase sill and 150 feet wide at the east end where it dipped under a swamp. On the south contact of this zone striking in an east-west direction is a porphyry dike. The mineralization in this zone was identified as a gold-bearing nickeliferous arsenide. Channel samples of this zone showed nickel values from 3% to 10% nickel per ton. Gold assays shown in dollars gold per ton with gold at \$35.00 per ounce were as follows: \$77.00, \$19.00, \$5.40, \$3.15, \$2.10, \$0.70. All visible gold was removed from the samples. Gold assays were higher near the porphyry contact and tapered off towards the north. One hundred and eighty ozs of small nuggets and wire gold was recovered from a rich pocket in a short

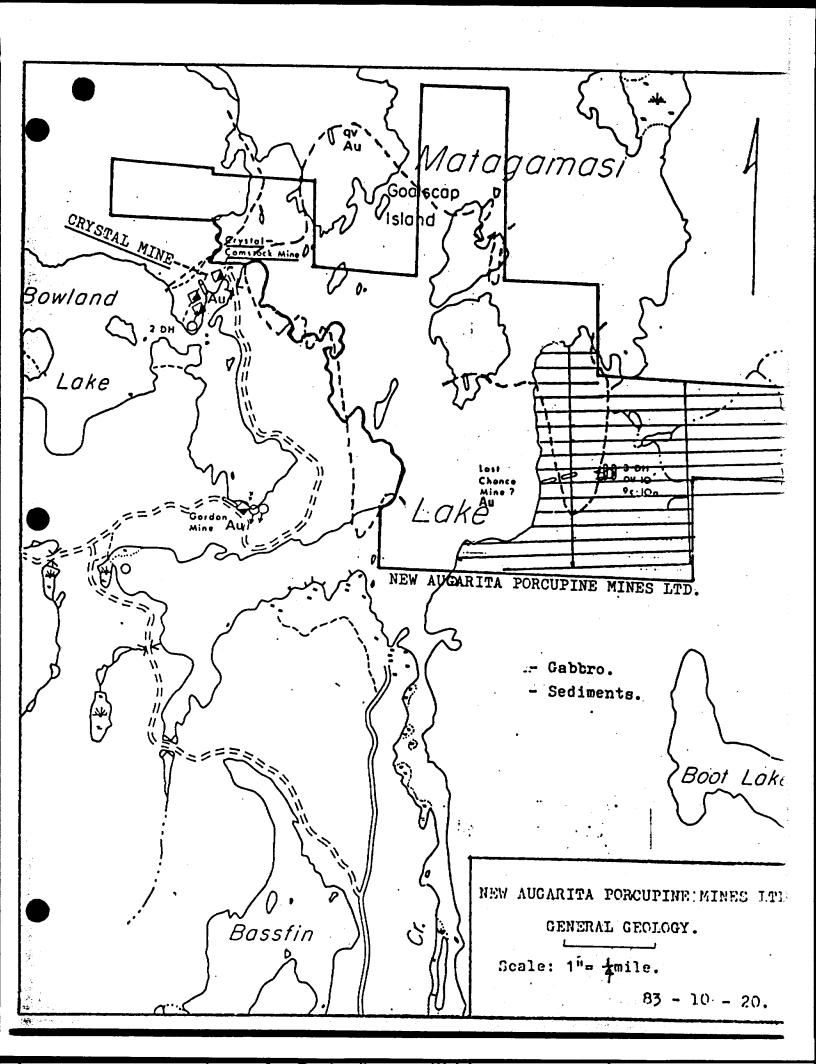


ACKIE CLAIM 5608354 W.D. 43 MATAGAMASING CRYSTAL NO4 SHAFT BOWLANDS. LAKE BOUCHER LAKE 1"=146.67yds FIGURE 4 Copied from sketch by W. Mackie. S CALE: 3"= 440 Yas Approx narrow shallow section at the porphyry contact".

Crystal Mine - Reference #2 & #4 Summarized - "Two veins run east and west and five shafts have been sunk with lateral work at various levels as follows: No. 1 shaft depth 100 feet. lateral work on two levels totalling 265', raising 35': No. 2 incline shaft or adit depth 60', lateral work 62'; No. 3 shaft depth 50'; No. 4 shaft depth 35', lateral work 15'. Comments "No. 1 shaft---cut the vein at 85'----and proved to be rich in free gold". No. 2 shaft----showed the vein to improve in size and quality". "---near No. 3 opening a vein about 2 feet wide has been uncovered for a distance of 55 feet and is richly studded with free gold". "About 200 tons of fine appearing ore were on the dumps". "A large amount of development work has already been done and about 500 tons of ore mined and four times that much in sight". "A 5-stamp mill----had just finished its first run---. The brick of gold just secured was said to represent about \$15 per ton of ore crushed".

Reference # 10 - "A description of the Crystal Mine has been given by W.H. Collins (Reference #7)" - "The mine is located on the contact between banded greywacke and greenish arkose, belonging to the Cobalt series, and an intrusive mass, probably a sill, of diabase similar in outward appearance to the other post-Cobalt diabases of the region. The normal dip of the Huronian beds is 25° or less, but near the diabase they are more steeply inclined and the contact itself is often marked by a crush breccia of both intruded and intruding rocks. In the small hill that contains the mine workings both diabase and sediments are intersected by numerous quartz veins usually less than a foot wide. These veins consist of quartz and a

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pink or pale brown carbonate of magnesium and iron (breunnerite), the breunnerite weathering when exposed on the ore dump to a characteristic deep bronze colour. The gangue of quartz and breunnerite carries pyrite and native gold. The pyrite is evidently copper-bearing because it takes on brassy and purple weathering discolorations. The gold occurs in visible form often in pieces of considerable size. The Huronian wall-rock for about 6 inches away from the veins is bleached and strongly inpregnated with crystals of breunnerite and with pyrite".

"A 5-stamp mill in use and considerable gold was produced. The mine is reported to have been reopened in 1907----and gold production was recorded until 1911".

References #15 & #16 - "The No. 4 shaft was deepened to 210 feet and 210 feet of drifting plus an unspecified amount of cross-cutting done on the 200-foot level. The drift runs north-east along the vein crossing into present claim \$608354. It is reported that highgrade gold ore was encountered and hand cobbed; also that operations ceased due to an accident causing the death of one man".

Comstock - Reference #13 - "The property is underlain by southeast-trending gently-dipping Huronian metasediments which have been intruded by sills and dikes of Nipissing diabase. The main showing is a quartz-carbonate vein which strikes northeast and dips 80°S. It has been exposed by stripping for a distance of 100 feet and tested by a shaft to a depth of 102 feet. Visible gold was reported at a depth of 65 feet in the shaft. Assays reportedly ranged from 3.5 to 12.9 ozs Au per ton. A subsidiary vein, 17 feet from

the main one and running parallel to it, has been stripped for 75 feet".

Gordon - Reference #10 - "The property is situated about one mile south of Bowland Lake in Rathbun Township. A shaft was put down for 40 feet and two diamond drill holes bored in 1895".

Northgate Explorations, Scadding Township - Four miles to the south, Northgate explorations are going into production from an open pit on a chloritised breccia pipe estimated to contain 25,000 tons averaging 0.27 ozs gold per ton. Underground development of two other zones in underway. Total reserves are estimated at 230,750 tons averaging 0.26 ozs gold per ton.

Flag Resources - Golden Briar Mines, Mackelcan Township - Six miles to the north these Companies are actively exploring, by means of extensive diamond drilling, breccia pipes mineralized with pyrite, chalcopyrite and gold.

Investigation of Geophysical Anomalies

An investigation of the geology in the vicinity of the I.P. chargeability and some resistivity anomalies was made. The anomalies are numbered on the accompanying I.P. chargeability and geology maps for reference.

Anomaly 1 - located along the west edge of a prominent bare outcrop ridge of massive gabbro with no evidence of mineralization. No resistivity or magnetic correlation is evident. The extreme south end of the anomaly may correlate with an extensive old trench apparently exploring a quartz vein with possible associated mineralization.

Anomaly 2 - located on gabbro outcrop but possibly related to a narrow (3" to 6" where exposed) quartz vein striking east-west parallel to the lines. Old trenching on the vein is now filled with dirt and rubble preventing examination.

Anomaly 3 - located at the south edge of a prominent bare outcrop massive gabbro hill with no evidence of mineralization. No resistivity or magnetic correlation is evident. A very old dirt-filled trench 100 feet to the west suggests the possibility of quartz veining and accompanying mineralization in the area.

Anomaly 4 - coincides with old trenches and pits on a zone of disseminated and massive veins of pyrite in strongly carbonated sediments. An excellent resistivity anomaly coincides. Flanking strong magnetics suggest the presence of pyrrhotite or magnetite. This apparently is the breccia zone described in the Mackie report. Due to water, rubble and deep oxidation, detailed examination and sampling were impossible. Evidence of the 1949 diamond drilling was noted.

Anomaly 5 - located mostly in overburden on the north slope of a ridge with scattered outcrops of massive gabbro. No obvious source was seen.

Anomaly 6 - coincides in part with a small exposure (3' by 6') of seams and stringers of brassy pyrite in sediments.

Anomaly 7 - located in a shallow overburden valley between outcrops of siliceous sediments. Probably related to a localized concentration of pyrite similar to anomaly 6.

Anomaly 8 - located in a sharp overburden valley between bare outcrop hills of massive barren gabbro. Possibly related to a buried mineralized quartz vein.

Anomaly 9 - located in a partly overburdened area with massive non-mineralized gabbro outcrops. Good resisitivity correlation suggests the presence of mineralized material possibly another quartz vein.

A resistivity anomaly to the east of 9+00e tie line coincides with a swamp.

CONCLUSIONS

One I.P. chargeability - resistivity anomaly (No.4) definitely correlates with strong mineralization. Old reports record a porphyry dike with associated vein material and free gold.

Anomaly 6 reflects a limited area of sulphide in sediments, and anomaly 7 is assumed to have a similar source. Neither warrent further interest.

Anomaly 1 (east end), anomaly 2 and possibly anomaly 3 are associated with old trenching on narrow quartz veins reported to carry gold. Further work in the form of trenching is warrented.

Anomalies 8 and 9 have no obvious association with veins or mineralization, however warrent trenching.

The Crystal Mine has recorded gold production from narrow highgrade veins and the records indicate that a highgrade vein extends northward into the south part of claim 608354 on the 200-foot level.

Geophysical surveys might establish the location of this structure however the logical method to check the values and widths is by diamond drilling from the ice in winter.

The New Augarita covers the major part of a quartz gabbro intrusive with which many quartz and quartz-carbonate veins containing significant concentrations of free gold are associated. Extensive work between 1890 and 1911, particularly on the Crystal and Last Chance veins, produced considerable gold at \$20.00 per ounce. The veins are narrow but persistent and the presence of pockets of coarse free gold make them an attractive exploration target at the present prices for gold. Detailed exploration for additional veins is warrented.

The "breccia zone" carries significant gold values and may be considered similar to the Northgate Exploration deposits in Scadding Township and Flag-Resources-Golden Briar Mines occurrences in Mackelcan Township. The former probably will be a viable mine, the latter is an excellent prospect.

These developments combined with the occurences on and adjacent to the claims makes the New Augarita group an excellent exploration target.

RECOMMENDATIONS

- (1) Rehabilitation and extension of old trenches on anomalies
 1, 2 and 3.
- (2) Trenching of anomalies 8 and 9
- (3) Bulldozer trenching of anomaly 4 and the breccia zone followed by cleanup, rock trenching, geology and sampling.
- (4) Soil sampling for gold in the overburdened area of the gabbro contacts.
- (5) Diamond drilling of the north extension of the Crystal vein. (Acquisition of the Crystal property would greatly increase the potential of this section)
- (6) Diamond drilling of other vein structures, geophysical or geochemical anomalies depending on the results of the surface program.

ESTIMATED BUDGET

- (1) Surface trenching, sampling mapping -----\$20,000.00
- (2) Geochemical sampling 250 samples @ \$35.00 \$ 7,000.00
- (3) Diamond drilling Crystal vein extension
 5 holes 1800' @ \$25.00 \$45,000.00
 Engineering, etc,----- 8,000.00
 \$53,000.00
- (4) Diamond drilling of other veins 5 holes 1500' @ \$25.00 \$37,500.00
 Engineering, etc. ----- 8,000.00

	\$45,500.00
Total	\$125,500.00
Contingency 15%	18,825.00
Grand Total	\$144,325.00

CERTIFICATION

I, H.D.McLeod P.Eng., of 673 Norman Ave., in the City of North Bay, Province of Ontario, certify as follows concerning the report on the New Augarita Porcupine Mines Ltd. Matamagasi Lake Property in the Sudbury Area of Ontario dated October, 1983:

- (1) I am a member in good standing of the Association of Professional Engineers of the Province of Ontario.
- (2) I am a graduate of Queens University,
 Kingston, Ontario with a BaSc. degree in
 Geology and Mineralogy obtained in 1946.
- (3) I have been actively practising my profession in Canada for a period of 40 years.
- (4) I have no direct or indirect interest in the property other than professional fees, nor do I expect to receive any.
 - (5) The attached report is a product of:
 - (a) Data listed in the references.
 - (b) A field examination of part of the property.

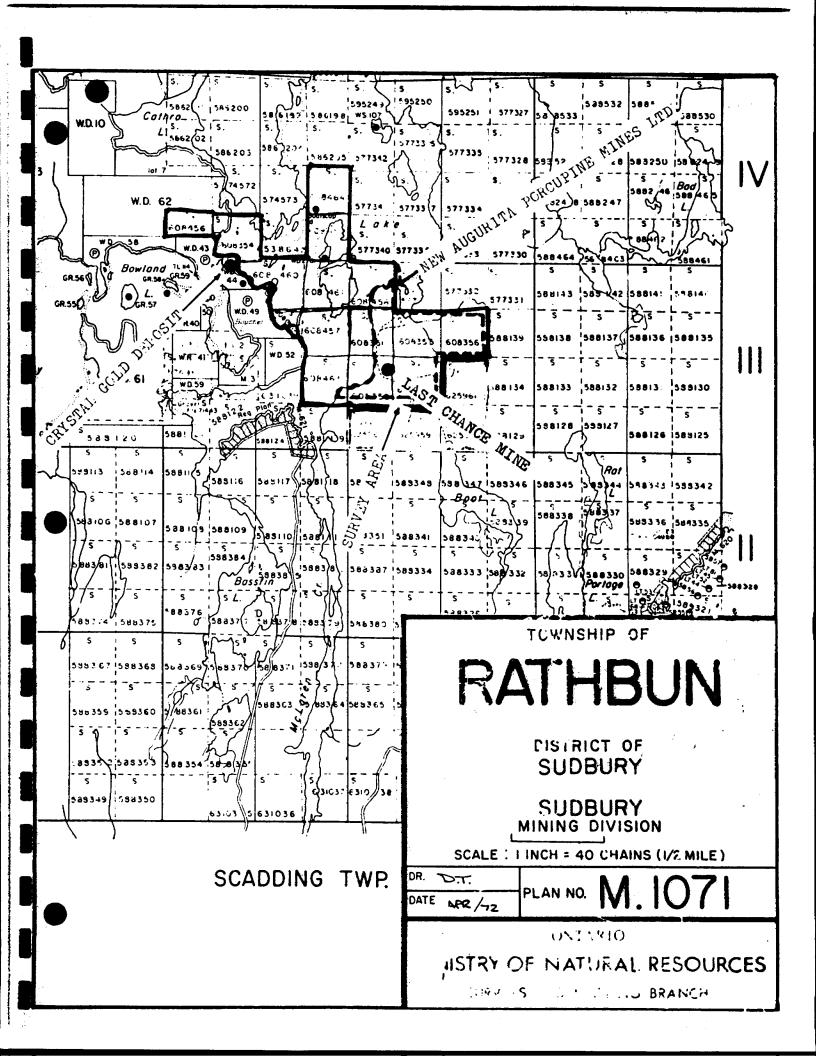
(c) A study of the ground geophysical data.

Dated at North Bay, Ontario this

*/

October, 1983.

H.D.McLeod P.Eng.





900

Mining Lands Section

File No 2.7147

Control Sheet

		TYPE OF	SURVEY	GEOPHYSICAL GEOLOGICAL GEOCHEMICAL EXPENDITURE
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				Signature of Assessor
				24 09-17

Date

Ontario

837 (5/79)

Ministry of Natural Resources

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s)	
Township or Area RATHBUN TWP.	MINING CLAIMS TRAVERSED
Claim Holder(s) NEW AUGARITA PORCUPINE	List numerically
MINES LTD.	
Survey Company H.D. McClood PEng	S 608351
Author of Report H.D. Mc Clead	(prefix) (number) S G B 3 S D
Address of Author 40 RAYAN EXPL. LTD. RRFZ North Buy	_
Covering Dates of Survey 22/08/83 - 24/08/83	5 608 354
(linecutting to office) Total Miles of Line Cut	5 608355
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SPECIAL PROVISIONS DAYS	J 608 35-8
CREDITS REQUESTED Geophysical per claim	
-Electromagnetic	5 608 456
ENTER 40 days (includes line cutting) for first -Magnetometer	S 608 457
survey. —Radiometric	5 6.8458
ENTER 20 days for each —Other	***************************************
additional survey using Geological 20	S 608 459
same grid. Geochemical	5 608461
AIRBORNE CREDITS (**social provision credits do not apply to airborne surveys)	5 608 463
MagnetometerElectromagneticRadiometric	
(enter days per claim)	***************************************
DATE: SIGNATURE: Author of Report of Agent	***************************************
Author of Report or Agent	

Res. Geol. Qualifications 63. 1050	•••••••••••••••••••••••••••••••••••••••
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	TOTAL CLAIMS 12
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Technical Assessment Work Credits

	2.7147
1984 09 24	Mining Recorder's Report of Work No. 84-77

Recorded Holder			
NEW AUGARITA	PORCUPI	NE MINES LTD	
Township or Area RATHBUN TOWN	CHIP		
ASSESSED INTIDON TORK	31111		
Type of survey and number of	Ţ	Milaton Chaires & second	
<u></u>		Mining Claims Assessed	
Geophysical		<u> </u>	
Electromagnetic	days	S 608351 - 52	
		608354-55-56 608456-58-59-61-63	
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Radiometric	days		
Induced polarization	days		
Other	days		•
Section 77 (19) See "Mining Claims Assessed"	column		
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coverage of claims.			
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to work dates and figures of applicant.	;		
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Special credits under section 77 (16) for the	following m	ining claims	
No credits have been allowed for the following	na minina cl	aims	**************************************
K not sufficiently covered by the survey		Insufficient technical data filed	
S 608457	2	608358	
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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:

828 (83/6)



Ministryol Report of Work Resources

(Geophysical, Geological, Geochemical and Expenditures)

Instructions: - Please type or print.

- If number of mining claims traversed exceeds space on this form, attach a list.

- 1/47 Note: - Only days crisical calculated in the "Expenditures" section, may be entered.

	•		The Mining	Act 2 - 7		in the	ditures" section m "Expend. Days is ise shaded areas be	Cr." columns
Type of Survey(s)					Township			
Geological		·			Rath	ibun I	Wp. (M	1071
Claim Holder(s)	-					Prospect	lor's Licence No.	
New Augarit	a Porcupine M	lines Ltd				-	1668	
Address								
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Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected	For Office Use Only	
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July 9. 1984 J.C. Archibald	Dete Deused Statement	_
ertification 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.

same and Postal Address of Person Certifying

J.C. Archibald

702-100 Adelaide St. W., Toronto M5H 1S3 July 9, 1984

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Notice of Intent for Technical Reports

1984 09 24 2.7147/84-77

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

1984 09 14

Your File: 84-77 Our File: 2.7147

Mining Recorder
Ministry of Natural Resources
199 Larch Street
Sudbury, Ontario
P3E 5P9

We have received reports and maps for a Geological Survey symmitted under Special Provisions (credit for Performance and Coverage) on Mining Claims S 608351 et al in the Township of Rathbun.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours sincerely,

S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3 Phone: (416)965-6918

A. Barr:sc

cc: New Augarita Porcupine Mines Limited 3240 Bloor Street West Toronto, Ontario HBX 1E4



00/9/84

1984 09 24

Your File: 2.7147 Our File: 84-77

Mining Recorder
Ministry of Natural Resources
199 Larch Street
Sudbury, Ontario
P3E 5P9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt Birector

Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3

R5 S. Hurst:mc

Encls.

cc: New Augarita Porcupine Mines Limited 3240 Bloor Street West Toronto, Ontario M8X 1E4

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

1984 10 19

Your File: 84-77 Our File: 2.7147

Mining Recorder Ministry of Natural Resources 199 Larch Street Sudbury, Ontario P3E 5P9

Dear Sir:

RE: Notice of Intent dated September 24, 1984. Geological Survey on Mining Claims S 608351 et al in the Township of Rathbun.

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,

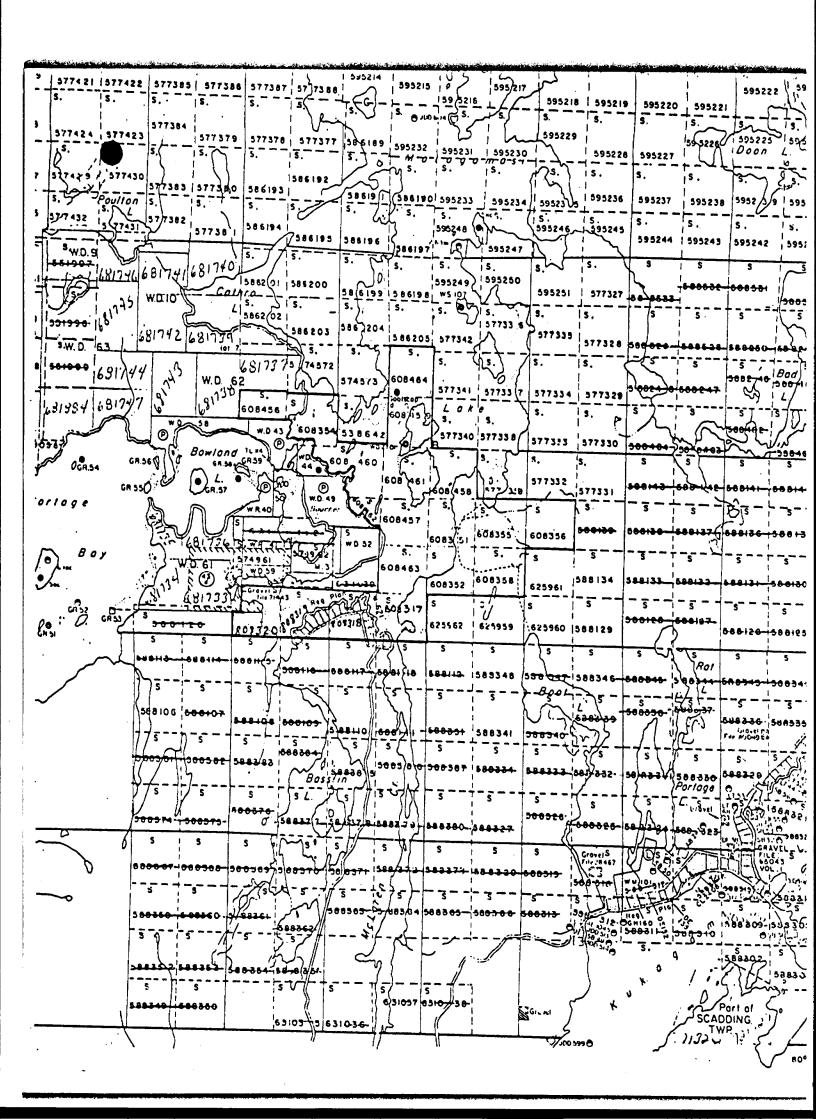
S.E. Yundt Director Land Management Branch

Whitney Block, Room 6643 Queen's Park Toronto, Ontario M7A 1W3 Thome: (416) 965-6918

S. Hurst:sc

cc: New Augarita Porcupine Mines Limited 3240 Bloor Street West Toronto, Ontario MBX 1E4

cc: Mr. G.H. Ferguson cc: Resident Geologist Mining & Lands Commissioner Sudbury, Ontario Toronto, Ontario



SEE ACCOMPANYING MAP(S) IDENTIFIED AS RATHBUN-0030 #1,#2

LOCATED IN THE MAP CHANNEL IN THE FOLLOWING SEQUENCE (X)

