

AR 99-010

Exploration at Chegoggin Point
Yarmouth Co., Nova Scotia

Submitted by

Sandra Marshall
Geologist

For

C₂C MINING CORPORATION

February 1999

Kentville, NS

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SUMMARY

Exploration on the licence held by C₂C Mining Corporation at Chegoggin Point, Yarmouth County continues into its second year. Assessment work has consisted of geological mapping, sampling and testing. Pursuant to previous reports of garnet showings (up to 50% almandine garnet) in a diamond drill program conducted by NSDME in 1987, C₂C conducted preliminary geological investigations to confirm the findings. Current applications for garnet in the industrial mineral markets are in abrasives.

INTRODUCTION

C₂C Mining Corporation (C₂C) is a Canadian minerals company involved in the mining and marketing of industrial minerals. The Chegoggin Point garnet deposit was investigated in spring 1998 to determine the size of the garnets and the extent of the garnetiferous schists. Separation tests are currently being conducted to liberate the garnets from the host schist.

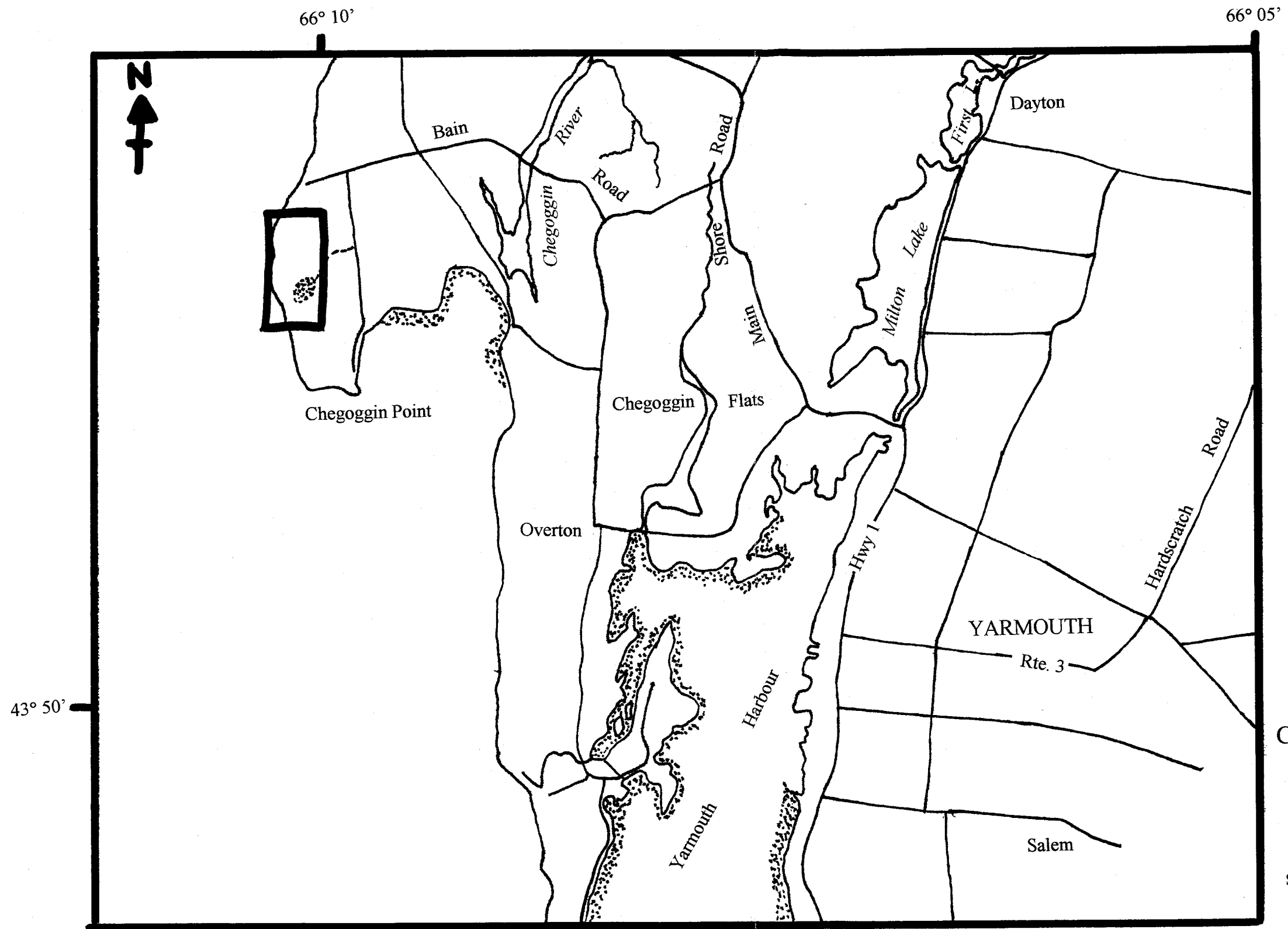
LOCATION AND ACCESS

The property is located in Yarmouth County, approximately 3 kilometers west of the town of Yarmouth. A well-maintained set of Department Transportation maintained roads leads to the staked claims. The best access to the claims is along the Atlantic Ocean shoreline from Chegoggin Point (Fig. 1).

LICENCE TABULATION

Licence No.	Map Sheet	Tract	Claim	Date of Issue
03428	20 O 16A	88 105	Q A	February 2, 1998

C₂C Mining Corporation of Kentville, NS holds the licence and the assessment report was submitted by Sandra Marshall, geologist for the company.



C₂C MINING CORPORATION

Licence Location Map

Cheggoggin Point, Yarmouth Co., NS

Scale 1 : 31 680

Sandra Marshall, Geologist

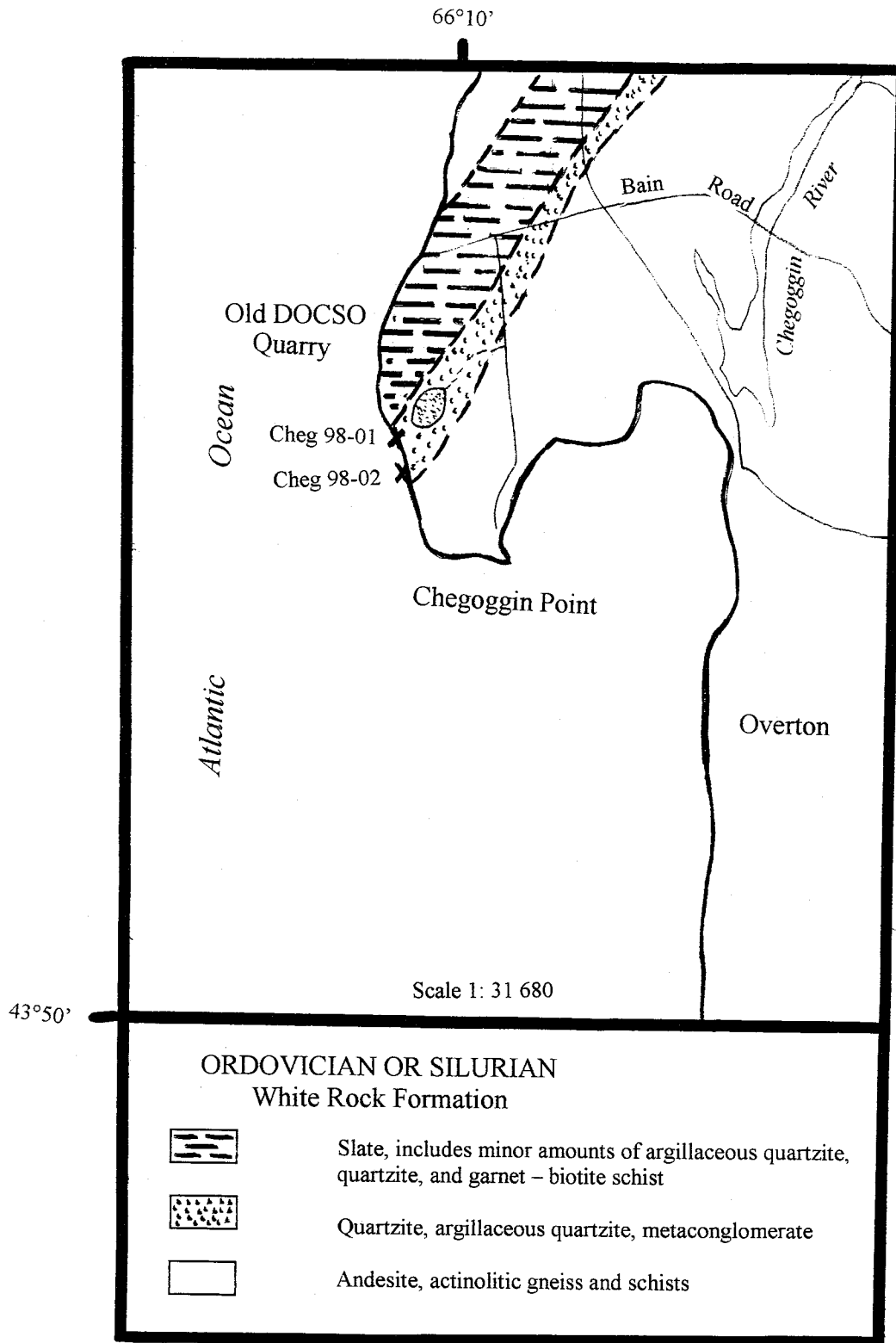
January 1999

GEOLOGICAL WORK

Geological mapping was conducted at Chegoggin Point in spring 1998. The area is covered by a thin layer of till and small bushes and trees. Outcrop is limited to sporadic showings in farmers fields, around the abandoned DOSCO quarry and at the shoreline. Preliminary mapping confirmed the information contained in submitted reports by NSDME and two representative samples of the garnet-biotite schist were taken from the shoreline and submitted to DalTech to be cut and polished to visually determine garnet content of the rock. One half of the rock was then crushed to determine if the garnet could be liberated from the host rock. Figure 2 outlines the location of the sample sites.

The garnets (almandine) are contained within a biotite schist rock, approximately 4 m thick (MacDonald, 1990). The biotite schist is contained as layers, up to 4 m thick, within a siliclastic section, called the White Rock Formation. It has been reported the garnet content within the schists is upwards of 50% almandine garnet, field observations were around 30% garnet. The geology of the area is outlined in Figure 2.

C₂C Mining Corporation has been involved in studies completed using garnets in the industrial abrasives industry and research and development on the garnet deposits at Chegoggin Point, Yarmouth Co. is continuing. Testing will be completed on the separation of garnet from the host schist unit and particle size distribution.

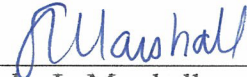


*modified from McDonald (1990)

Figure 2. Geological map at Chegoggin Point, Yarmouth, NS.

CONCLUSIONS AND RECOMMENDATIONS

C₂C Mining Corporation has determined that the garnetiferous schists located at Chegoggin Point, Yarmouth, Co., NS present a unique opportunity for the development of garnets in the industrial abrasives industry. The purpose of these investigations was to confirm the work already completed in the Chegoggin Point region and to collect samples for further study. Future research and development will be focused on the separation of garnet from the host schist and conducting market surveys and developing a viable garnet product.



Sandra L. Marshall
Geologist

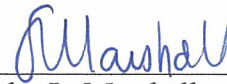
REFERENCES

MacDonald, R. H., Investigation of the Chegoggin Point, Lake George, Yarmouth County, Silica and Garnet Deposit. OFR 90-009, Nova Scotia Department of Mines and Energy, 1990, 69 p.

CERTIFICATE OF THE AUTHOR

I, Sandra L. Marshall, geologist for C₂C Mining Corporation of 11 Calkin Drive, Kentville, NS certify that:

1. I am a graduate of Acadia University, Wolfville and hold a BScH Geology (1997).
2. I have been a geologist for 2 years and have been employed C₂C Mining Corporation since 1997.
3. This report is based on personal examination during the period of February 1998 to February 1999.



Sandra L. Marshall
Geologist

STATEMENT OF ASSESSMENT WORK EXPENDITURES

(N.B. Complete as necessary to substantiate the total claimed)

RE: EXPLORATION LICENCE NO. 03428 DATE OF ISSUE February 2nd ~~January 18th~~ 19 98

Rec'd

TYPE OF WORK		AMOUNT SPENT
1. Prospecting	_____ days	_____
2. Geological mapping	<u>2</u> days @ <u>200.00/day</u>	<u>\$400.00</u>
3. Trenching/Stripping/Refilling	_____ m ²	_____
4. Assaying & whole rock analysis	<u>2</u> #	<u>\$200.00</u>
5. Other laboratory	_____ #	_____
6. Grid:		
a) Linecutting	_____ km	_____
b) Picket setting	_____ km	_____
c) Flagging	_____ km	_____
7. Geophysical Surveys:		
Airborne:		
a) EM	_____ km	_____
b) Mag or Grad	_____ km	_____
c) Radiometric	_____ km	_____
d) Combination	_____ km	_____
e) Other	_____ km	_____
Ground:		
a) EM	_____ km	_____
b) Seismic Soundings	_____ #	_____
c) Magnetic/telluric	_____ km	_____
d) IP/Resistivity	_____ km	_____
e) Gravity	_____ km	_____
f) Other	_____ km	_____
9. Geochemical Surveys:		
a) Lake, stream, spring (seds/water)	_____ samples	_____
b) Rock/core/chips	_____ samples	_____
c) Soil/Overburden	_____ samples	_____
d) Gas Methpd	_____ samples	_____
e) Biogeochemistry	_____ samples	_____
f) Sample Collection	_____ days	_____
g) Other	_____	_____
10. Drilling:		
a) Diamond (#holes/m)	<u>/</u> m	_____
b) Percussion (#hole/m)	<u>/</u> m	_____
c) Rotary (#hole/m)	<u>/</u> m	_____
d) Auger (#holes/m)	<u>/</u> m	_____
e) Reverse circulation (#holes/m)	<u>/</u> m	_____
f) Logging, supervision etc.	<u>/</u> days	_____
g) Sealing (# holes)	<u>/</u>	_____
11. Other: (describe) <u>Transportation</u>	<u>900 km @ 0.30/km</u>	<u>\$270.00</u>
	_____	_____
	_____	_____
	SUBTOTAL	<u>\$1500.00</u>

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OVERHEAD COSTS		AMOUNT SPENT
12. Secretarial Services	_____	_____
13. Drafting Services	_____	_____
14. Office Expenses (rent, heat, light etc.)	_____	_____
15. Field Supplies	_____	<u>\$150.00</u>
16. Compensation Paid to Landowners	_____	_____
17. Legal Fees	_____	_____
18. Other (describe)	_____	_____
	_____	_____
	SUBTOTAL	<u>\$150.00</u>
	TOTAL	<u>\$1650.00</u>

I hereby certify that the above information is true and correct and that it has not before been submitted for assessment work credit.

As Geologist I am duly authorized to make this certification.

(Position in Company or Licensee)

DATED AT Kentville in the Province of NS

this 20th day of January 19 99

Name and Address of Licensee: J. G. Mining Corporation
11 Colkin Dr. Unit 2, Kentville, NS B3N 3V7.

Signature J. Marshall