

# SILICA IN NEWFOUNDLAND\*

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The report for publication on the assessment of silica deposits in Newfoundland is presently at the typing stage and all maps have been drafted. It is hoped that the report will be available early in 1975.

Field work in 1974 was limited to an assessment of a quartz vein deposit in the La Scie area (see Fig. 1). Previous surface sampling of the vein indicated an overall grade in excess of 99%  $\text{SiO}_2$  (Butler and Greene, 1974). Therefore, a more detailed assessment was initiated.

A detailed topographic and outcrop map of the La Scie vein was completed in late summer and a revised estimate of the tonnage was made. The present information available about the vein indicates that it is associated with a granite intrusion and cuts neighbouring silicified basic to intermediate flows and tuffs.

Tonnage estimations, based on the topographic survey reveal three major exposures comprising a total of 1.18 million tons. The grade of the material is from two surface chip samples, one from either end of the middle, or 'B' zone:

<u>Location</u>	<u><math>\text{SiO}_2</math></u>	<u><math>\text{Al}_2\text{O}_3</math></u>	<u><math>\text{Fe}_2\text{O}_3</math></u>
West end	98.6%	0.88%	0.23%

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\* Project 4-2, Canada-Newfoundland Mineral Exploration and Evaluation Program.

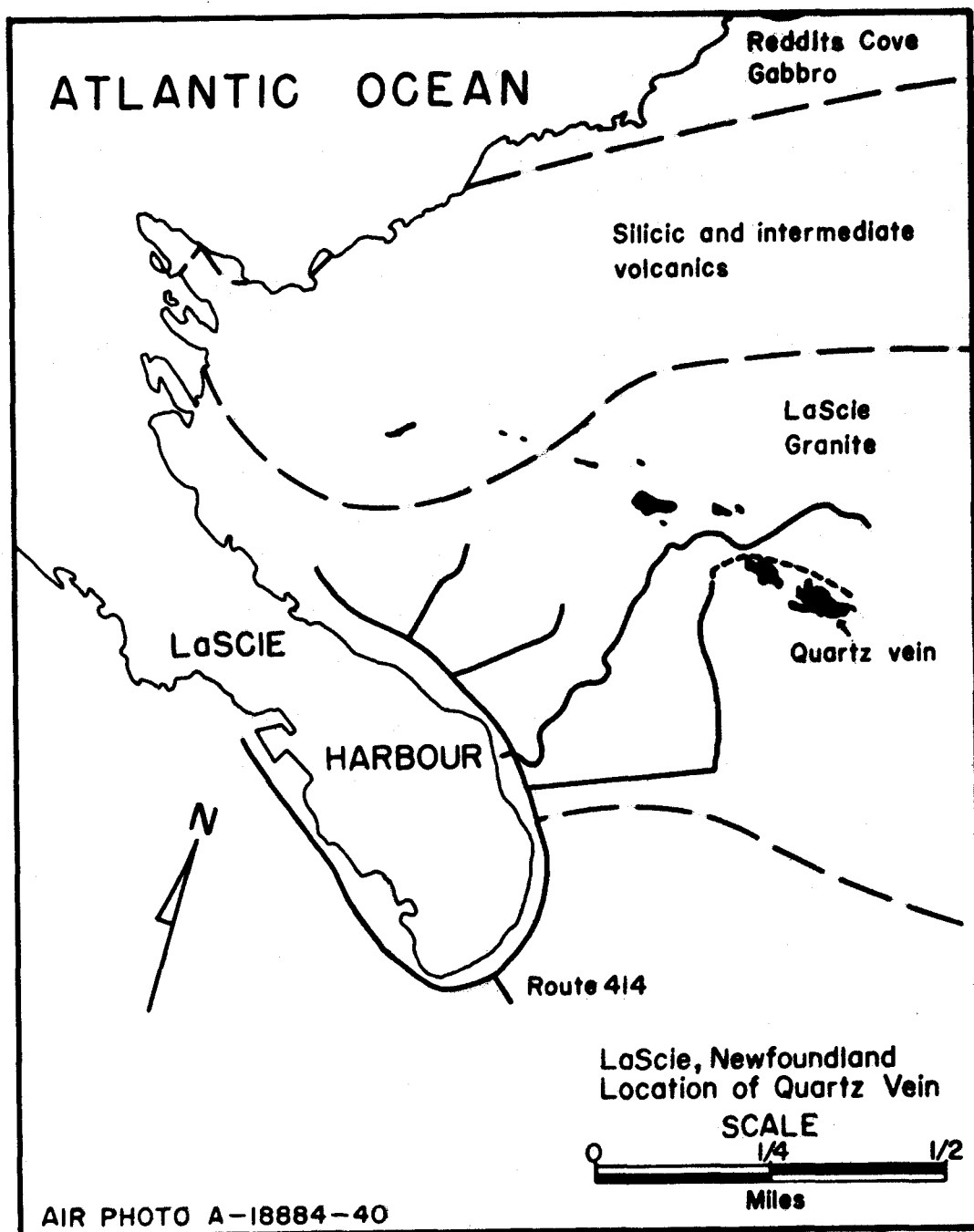


Fig. 1

<u>Location</u>	<u>SiO<sub>2</sub></u>	<u>Al<sub>2</sub>O<sub>3</sub></u>	<u>Fe<sub>2</sub>O<sub>3</sub></u>
East end	99.5	0.39	0.12

A systematic evaluation of the vein by diamond drilling has been conducted to determine its continuity and to obtain fresh samples for analysis. The information received from this survey will be appended to the published report on silica in Newfoundland.

#### Reference

Butler, A.J. and Greene, B.A.  
1974: Silica Assessment; in Nfld. Min. Dev. Div. Report of Activities for 1973.