

MAP No.

106-C-7, 8

ASSESSMENT REPORT
N. M. E. A. P.
CONFIDENTIAL
OPEN FILE

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

TYPE OF
WORK: Geol.

REPORT FILED UNDER	Sicintine Mines Ltd.	DOCUMENT NO. 061163
DATE PERFORMED	Aug. 9-13, 1973	DATE FILED: May 28, 1974
LOCATION - LAT. LONG.	64°24'N	AREA: Duo Creek, Yukon
	132°30'W	
CLAIM NO.	NAD 41-62	
VALUE \$		
WORK DONE BY	R.E. Chaplin	
WORK DONE FOR	Sicintine Ms. L.	
REMARKS	The claims are underlain by red slates that are apparently overthrust at a shallow angle on top of the favourable dolomitic unit containing high grade zinc mineralization on the Barrier Reef property.	

061163

SICINTINE MINES LTD.,
401 - 550 Burrard Street,
Vancouver 1, B.C.

REPORT FOR

NAD 41-62 MINERAL CLAIMS

BONNET PLUME-GOZ CREEK AREA, YUKON TERRITORY

MAYO MINING DISTRICT

MAP SHEET 106-C-7
and 106-C-8

Latitude 64°24'N.

Longitude 132°30'N.

Examination Date: Between August 9 and 13, 1973

by

ROBERT E. CHAPLIN, P.Eng.,
1761 Drummond Drive,
Vancouver 8, B.C.
Phone: 224-6634

AUGUST 15th, 1973.

N.M.E.A.P.
Received Ottawa
May 28/74

TABLE OF CONTENTS

Page No.

SUMMARY 1

NAD GROUP 2

CONCLUSIONS AND RECOMMENDATIONS 2

BUDGET 3

QUALIFICATIONS OF WRITER 4

APPENDIX: Attached

Barrier Reef Property Report

SUMMARY

Impressive surface showings of zinc with minor lead mineralization was discovered by Barrier Reef Mines Ltd. in the summer of 1973; In the Bonnet Plume River-Goz Creek area, Yukon Territory, Mayo Mining District.

Approximately 1500 mineral claims have been staked in the discovery area at the time of writing this report.

High grade (10% to 20% Zn) mineralization occurs in semi-concordant at breccia pods and lenses within a dolomitic reefoid rock of uncertain age (between Cambrian and Devonian)

The mineralized zones are linked by a N.65°E. trend - however, the strike of the individual zones commonly trend N-NW. The distance between the main discoveries is 14 miles. Several other zones and float mineral occurrences have been located by stakers for Harman Management Ltd.

The occurrences on the Barrier Reef claims occur as irregularly dispersed quartz-sphalerite breccias. The breccia zones appear to be crudely bedding controlled, consequently there is little apparent vertical continuity to the zones. Extensive areas of lower grade, finely disseminated and/or coatings of zinc minerals, extend laterally from the breccias in gentle, south-dipping beds.

The possibility of extensive "low grade" zinc mineralization with high grade sections is the attractive feature of the Barrier Reef property.

Detailed surface sampling and geological mapping is required to assess the economic worth of the properties discovered to date.

NAD GROUP

The NAD 41 to 62 mineral claims were staked adjoining the south boundary of Barrier Reef's central mineral occurrence and is located on Duo Creek, one mile upstream from the junction of Goz and Duo Creeks.

The property is underlain by red slates that are apparently overthrust at a shallow angle on top of the favorable dolomitic unit that is host rock for Barrier Reef Mines Ltd.

The trend of the high grade mineralized zones on the Barrier Reef central zone is south-easterly toward the NAD 41 - 62 claim group.

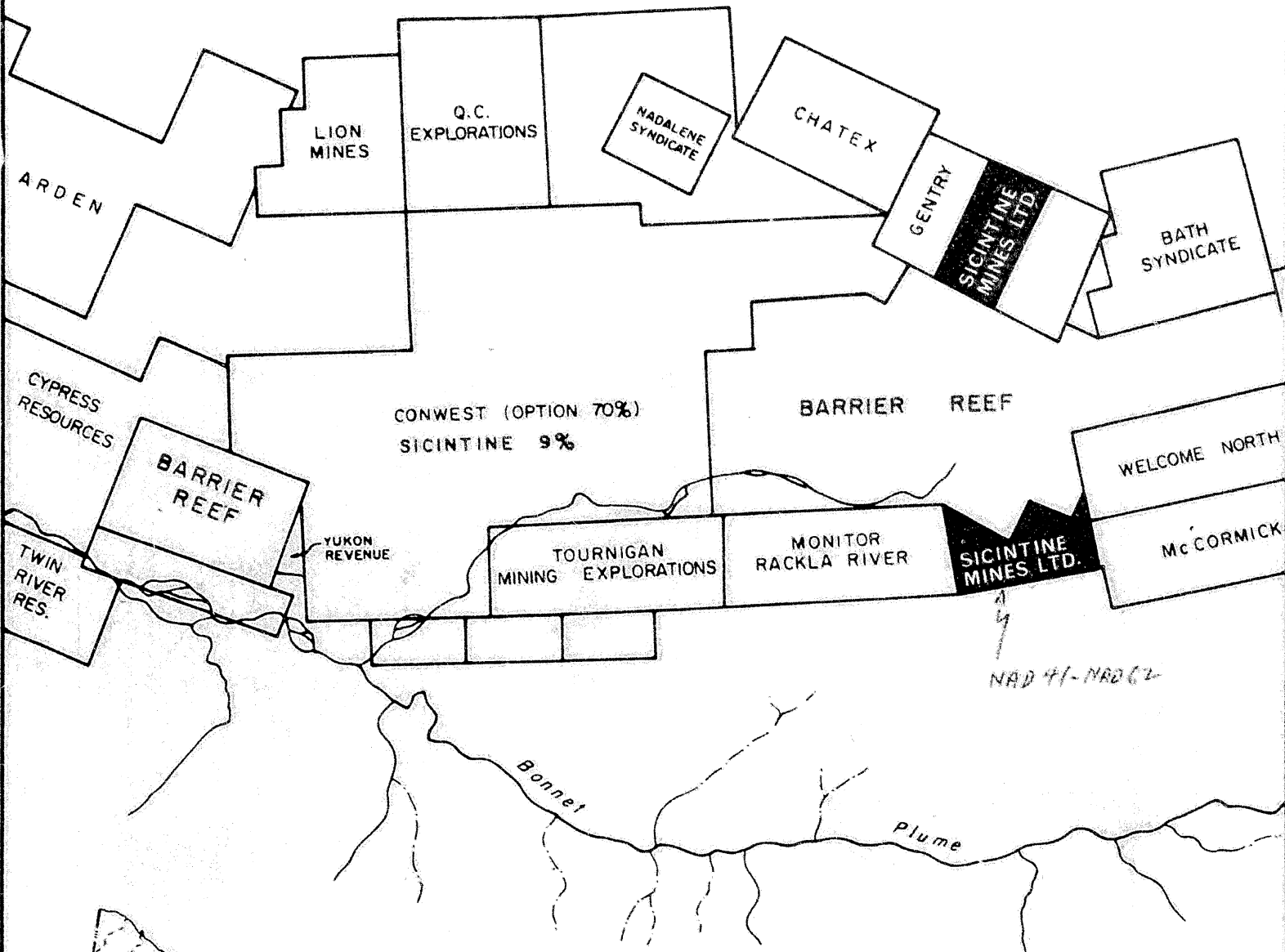
Exploration of these claims would be warranted if Barrier Reef Mines Ltd. are successful in their search for an economic mineral deposit on their adjoining property.

RECOMMENDATIONS

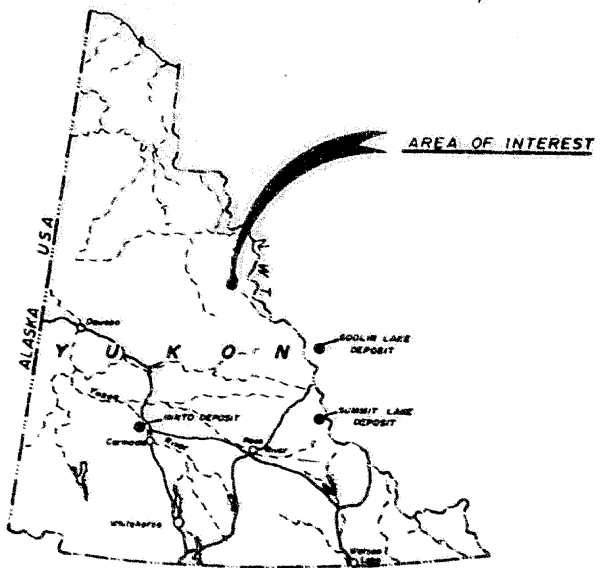
If a diamond drill is brought into the area, one or two drill holes would be warranted on the north side of the claims to test for zinc mineralization in the dolomitic rocks believed to underlie the red slates at a shallow depth.

ESTIMATE OF COST FOR EXPLORATORY DIAMOND DRILLING

1,000 ft. of BQ wireline at \$50.00 per ft. \$50,000
- the high figure is due to mobilization costs
for such a small footage of drilling.



NAD 41 - NAD 62



SICINTINE MINES LTD. NPL
CLAIM MAP
BONNET PLUME RIVER AREA
YUKON TERRITORY

