

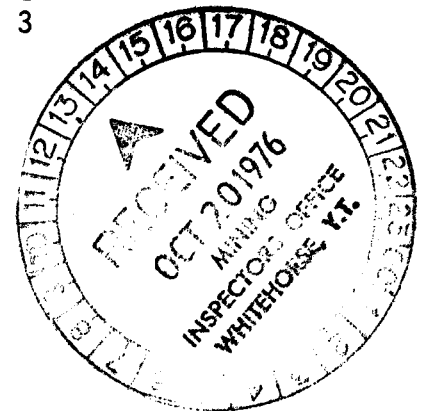
GEOLOGICAL REPORT
on the TANG claims,
located near the headwaters of the Pelly River
Claim Sheet 105-I-12, 62° 37' N, 129° 45' W

by

Clyde L. Smith, Ph.D., P.Eng.
August 20-31, 1975

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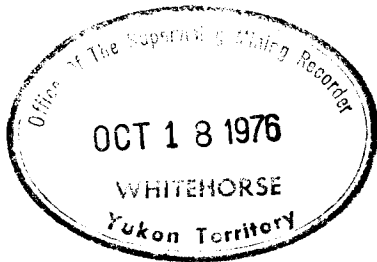
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LIST OF ILLUSTRATIONS

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|--------|---|--------|
| Fig 1. | Geologic map, Tang Claims Area, 1" = ½ mile | Pocket |
| Fig 2. | Geologic map, Tang Claims Area, 1" = 600' | Pocket |

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This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 1200.00

[Handwritten Signature]

Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

[Handwritten Signature]
B.K. BAXTER
Supervising Mining Recorder

[Handwritten Signature]
Commissioner of Yukon Territory

I. INTRODUCTION

During the period August 20 through 31, 1975, the area of the Tang claims was mapped on a scale of 1" = ½ mile (Fig. 1). A bedded barite occurrence on the adjoining Oro property was sketch mapped on a scale of 1" = 600' (Fig. 2). The Tang claims were staked in 1975 to cover high geochemical silt values obtained from creeks west of the barite occurrence on the Oro claims.

II. LIST OF CLAIMS

<u>Claim Name</u>	<u>Holder</u>	<u>Recording Date</u>
Tang 3-16	British Newfoundland Explorations Ltd. - In Trust	August 13, 1975

III. GENERAL GEOLOGY

The regional geology of the Tang claims area is shown on the Nahanni sheet of The Geological Survey of Canada. The property is located northwest of the large claim group held by Canex Placer Ltd., centered at Howard's Pass. Geology is mapped generally as unit 18 b which is Devonian-Mississippian black shale and argillite.

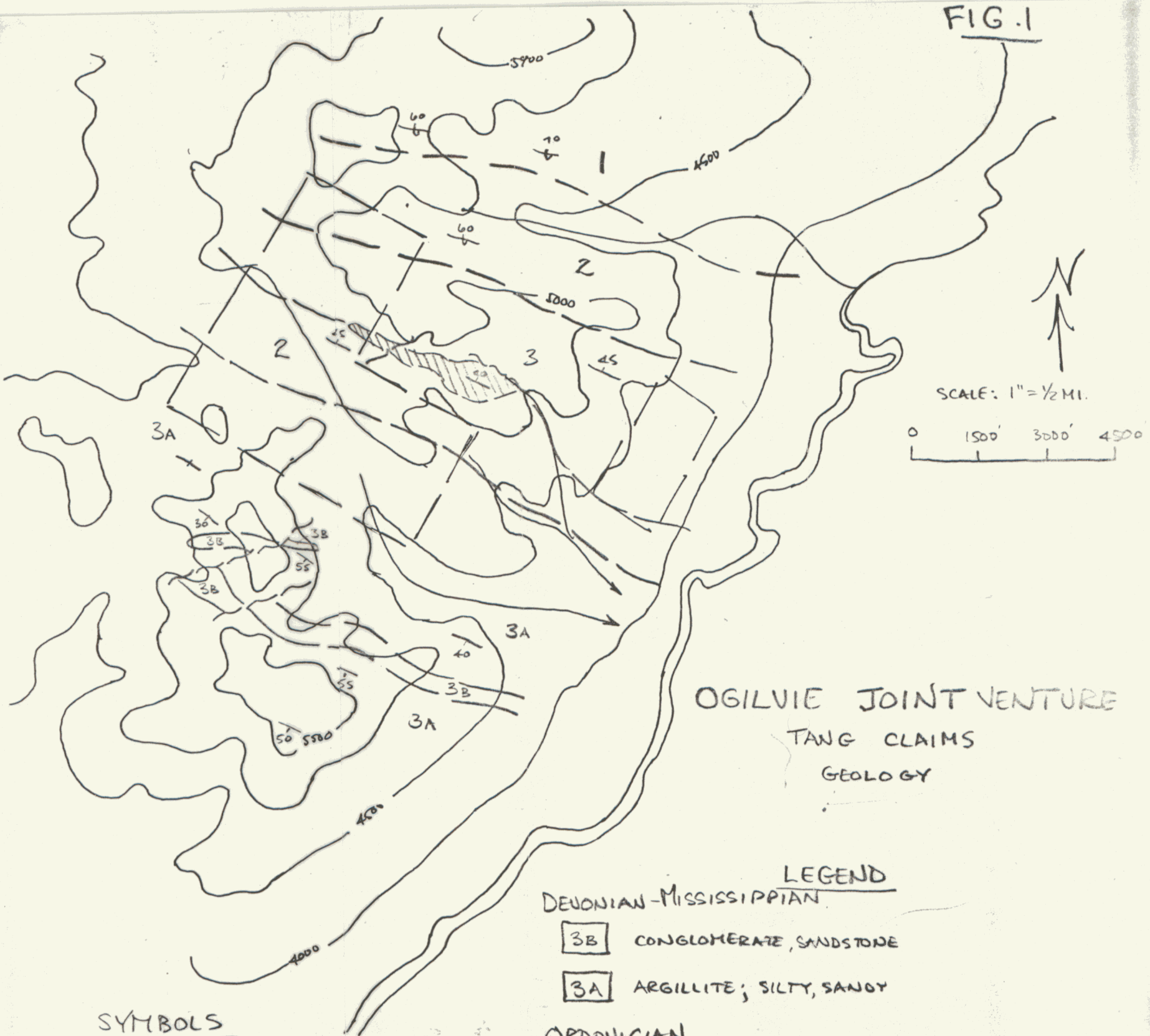
Figure 1 shows a succession ranging in age from Cambrian to Devonian-Mississippian and including many banded limestone (base) black carbonaceous-siliceous argillite of the Road River formation, argillite and conglomerate (top). The units are broadly-folded into a northwesterly-trending syncline having unit 3 as a core. A bedded barite deposit is exposed along the unit 2-unit 3 contact in the southwest limb of the anticline. Figure 2 is a sketch of this occurrence. Noranda Mines had diamond drilled this deposit.

Drainages west of the barite deposit are high in zinc geochemistry and it is possible that the barite along strike or down dip is mineralized with lead and zinc.

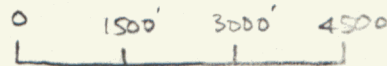
IV. CONCLUSIONS AND RECOMMENDATIONS

The geology and geochemistry of the Tang property area indicate a potential for barite-hosted mineralization. It is recommended that detailed soil sampling and geologic mapping be carried out on the property.

FIG. 1



SCALE: 1" = 1/2 MI.



OGILVIE JOINT VENTURE
TANG CLAIMS
GEOLOGY

LEGEND

DEVONIAN-MISSISSIPPIAN

- 3B CONGLOMERATE, SANDSTONE
- 3A ARGILLITE; SILTY, SANDY

ORDOVICIAN

- 2 BLACK CARBONACEOUS, SILICEOUS ARGILLITE,
"ROAD RIVER" FORMATION

CAMBRIAN

- 1 WAVE BANDED LIMESTONE

SYMBOLS

- CONTACT ————
- FAULT ~~~~~
- BEDDING ATTITUDE 40°
- BARITE BED

SKETCH OF GEOLOGY ALONG PRINCIPAL SHOWING OF "ORO". (TWO-HOUR VISIT, P. LE COUTUR, AUGUST, 1977)

EXTENDS FOR ABOUT 3000' ALONG RIDGE.

FIG. 2

"ORO"

A BARITE BED OF UNKNOWN THICKNESS (FOLDED, NO RELIABLE DIPS IN BARITE) BARITE IS GREY (IMPURE) FINELY BANDED AND GAVE -VE TEST FOR ZINC WHEREVER SAMPLED (THOROUGHLY TESTED ALONG MAPPED PART) NOTE ALSO NO ZN GEOCHEM FROM HERE (STREAMS) HOST IS SILICEOUS BLACK ARGILLITE, SANDSTONE AND CONGLOMERATE. THE SS AND CGL ARE THIN BEDS WITHIN THE ARGILLITE. ALL ROCKS STRONGLY FOLDED -NOTE STEEP CONTRARY DIPS.

OGILVIE JOINT VENTURE
AREA OF TANG CLAIMS

code
arg + barite

OLD CAMP

check

SWAMP

