REPORT ON PROSPECTING AND TRENCHING
BROMADROSIS 1-6 CLAIMS
MAYO MINING DISTRICT
Claim Sheet 106C/13
September 30, 1976
Lat. 64°59'N Long. 133°57'W
Colin J. Riley Geologist
REPORT ON PROSPECTING AND TRENCHING

BROMADROSI S 1-6 CLAIMS

Mayo Mining District
Claim Sheet 106C/13

September 30, 1976

Latitude 64°59'N
Longitude 133°57'W

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# Table of Contents

**In Text**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Property Location and Access</td>
<td>1</td>
</tr>
<tr>
<td>Geology and Mineralization</td>
<td>1</td>
</tr>
<tr>
<td>Conclusions</td>
<td>2</td>
</tr>
</tbody>
</table>

**In Pocket**

- Figure BR-1 - Geology, Boulder Map, and Trenches - Bromadrosis Claims
  Scale 1 cm = 5 metres

Assay Certificates Following Page 2
INTRODUCTION

The Bromadrosis claims cover an occurrence of uraniferous float found by Wernecke Joint Venture (Standard Oil Company of B.C. Ltd., Aquitaine Company of Canada, Ltd., and Messrs. L. and H. Clay) in September, 1975. A base line was established by topofill and one metre high pickets and detailed radiometric prospecting was carried out. Two trenches were dug on radioactive high areas. This work was carried out by Colin J. Riley and James Griffin, geologists, during the period 22–24 July, 1976. The project was managed by Archer, Cathro and Associates Limited. This work was carried out under Atomic Energy Control Board Exploration Permit MX18-76.

PROPERTY LOCATION AND ACCESS

The property consists of six contiguous mineral claims recorded in the Mayo Mining Division as follows:

<table>
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<th>CLAIM NAME</th>
<th>GRANT NUMBER</th>
<th>EXPIRY DATE</th>
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<td>Bromadrosis 1-6</td>
<td>YA1314-YA1319</td>
<td>18 September, 1976</td>
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The property is located at latitude 64°59' north and longitude 133°57' west on NTS claim sheet 106C/13, 116 miles northeast of Mayo. Access was by helicopter from the Wernecke Joint Venture camp at the south end of Fairchild Lake, 5.5 miles to the east.

GEOLOGY AND MINERALIZATION

The claims lie along a steep northwest facing talus slope with occasional outcrop. Most of the talus fragments and all of the outcrop observed are composed of grey weathering pink to white calc silicate rocks associated with the explosive gas vent breccia located approximately 2 miles to the west. The rocks were probably originally limey argillite which has been altered by the gas vent event, forming what is now a calc silicate containing minor dioxide and chloride.
Mineralization was located in talus and in outcrop. In both cases it is confined to a siliceous phase of the calc silicate which forms pink cherty rock which in places has a clastic appearance. This siliceous cherty rock is common at the margins of explosive breccia terrains.

The mineralization is in small individual grains of brannerite which are surrounded by red hematite alteration halos. The grains are confined to healed fractures in the rock and are widely separated. McPhar TV1-A spectrometers were used to locate radioactive boulders and outcrops in the zone of interest. A map indicating geology and radioactive boulders is included (Figure BR-1). Readings shown are in cpm. Two trenches were dug in areas assumed to be subcrop where high radioactive readings were concentrated. These trenches were located on the up hill side of the anomalously radioactive zone to try and locate a mineralized horizon in outcrop. One trench struck permafrost at a depth of six feet and had to be abandoned. The other exposed bedrock over a 10 foot length. Chip samples taken along this trench were all less than 0.001% U₃O₈. Samples taken from stations R76-72/75 were all from bedrock containing small amounts of brannerite and all ran less than 0.001% U₃O₈. Assays were performed by Chemex Labs Ltd., North Vancouver, B.C.

**CONCLUSIONS**

No discrete mineralized horizon was located. Small amounts of widely disseminated brannerite were found in outcrop and in talus but assays of this material were universally low. These claims would not appear to be of economic interest due to the type and dissemination of mineralization and the low tonnage potential.
APPENDIX "A"
CERTIFICATE OF ASSAY

TO: Archer Cathro & Assoc. Ltd.,
Box 4127,
Whitehorse, Y.T.

ATTN: WJV

<table>
<thead>
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<th>SAMPLE NO.</th>
<th>% Copper</th>
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CERTIFICATE NO. 31533
INVOICE NO. 17585
RECEIVED July 29/76
ANALYSED Aug. 3/76

CANADIAN TESTING ASSOCIATION

MEMBER

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA