

2575

Report

On

Geochemical Survey

of

MEL GROUP OF CLAIMS

Kamloops Mining Division

50° 23' North Latitude

121° 11' West Longitude

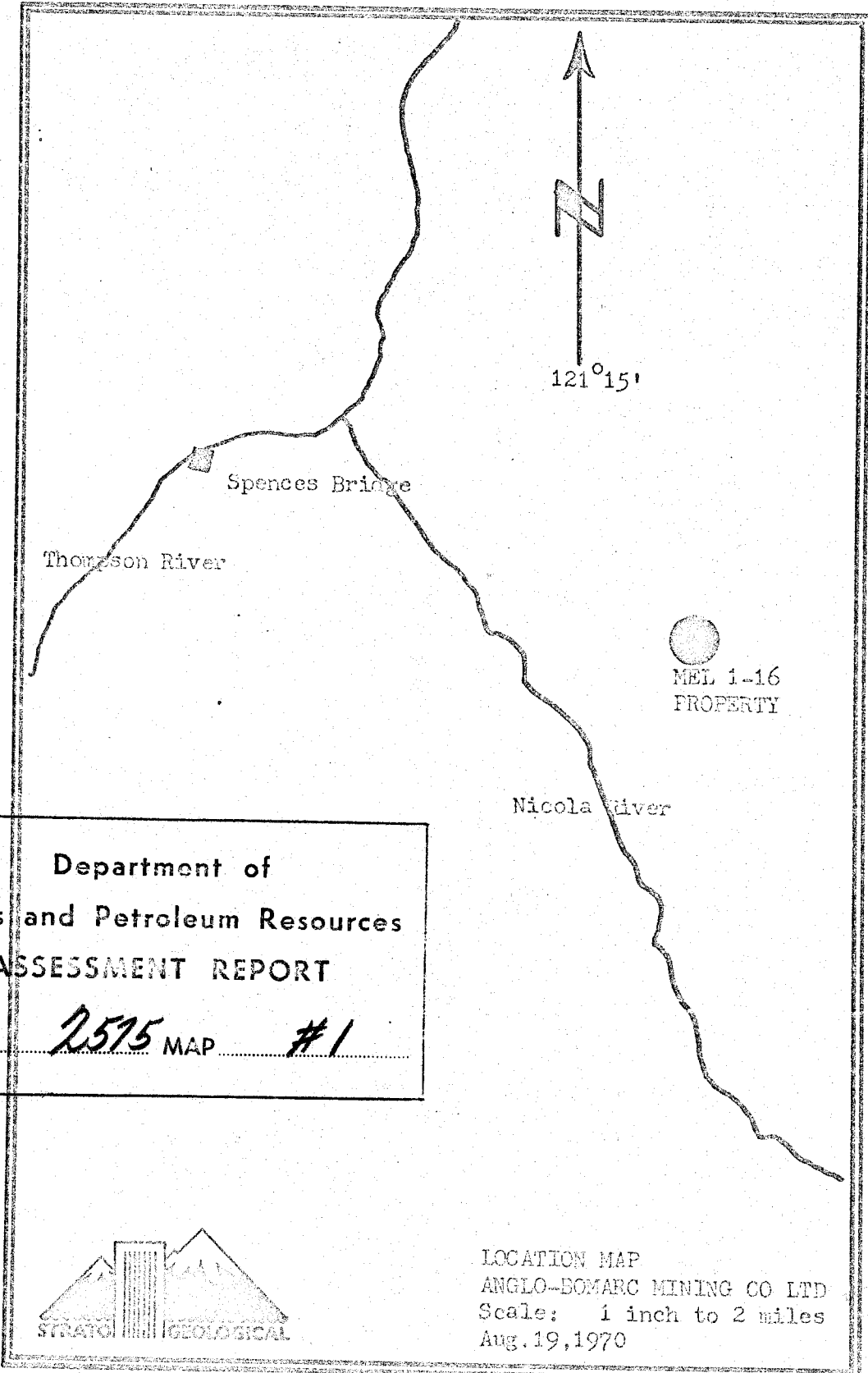
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2575 MAP

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50°30"



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 2575 MAP #1



LOCATION MAP
 ANGLO-BOMARC MINING CO LTD
 Scale: 1 inch to 2 miles
 Aug. 19, 1970

Donaldson

INTRODUCTION:

Anglo-Bomarc Mining Co. Ltd. (N.P.L.) requested Strato Geological Ltd., mineral exploration contractors, and C. H. Donaldson, Professional Engineer to carry out a geochemical survey on their claims MEL 1 - 16.

The sixteen claims are located in the South West section of the Highland Valley area at 50° 23' North latitude and 121° 11' West longitude and at an elevation of approximately 4500 feet above sea level.

The claim area is totally lacking in outcrop, hence geochemistry is the most feasible method of testing the mineral potential of the area.

PROPERTY:

The property is composed of 16 claims, known as MEL 1 - 16, record numbers 73773 to 73788 inclusive, held by location.

The claims were originally staked by Mr. A. A. Ablett of Kamloops, B. C. as agent for Mr. H. A. Quinn. The claims were recorded in Kamloops on October 28, 1968 and subsequently transferred to Bomarc Mining Co. Ltd. (N.P.L.) of Vancouver, B. C.

LOCATION and ACCESS:

The MEL 1 - 16 claims are located in the South West section of the Highland Valley area at 50° 23' North latitude and 121° 11' West longitude.

The North East corner of the claims is on Pimainus Creek, West of Pimainus Lake. The area is designated as "Pimainus Hills".

Access is from Spences Bridge Eastward along the Spences Bridge - Merritt highway for about 10 miles; thence Northerly by gravel road about 4 miles to the property.

GEOLOGY:

Due to the lack of outcrop, the type of rock underlying the claim group cannot be determined without further bull-dozer work to expose the bed-rock.

However, from the location of the claims it is possible that they overlie the Guichon Batholith near the contact of the Guichon Batholith with the Nicola Series formation.

The mineralization trends which are apparent from the geochemical survey follow the general pattern found in the Guichon Batholith, which indicates that the underlying rocks are probably of the Guichon Batholithic Series.

GEOCHEMICAL SURVEY:

In 1969 Strato Geological Ltd. of 37 - 615 West Hastings Street, Vancouver, B. C. carried out a reconnaissance geochemical survey along base lines on location lines and on lines extending out at right angles to the base lines. That survey entailed the taking of 274 samples.

The results of the 1969 survey was inconclusive, so Strato Geological Ltd. was given the contract to fully cover the claims in 1970. From July 12 - 26, 1970 Strato Geological Ltd. was engaged in cutting grid lines and soil sampling the remainder of the claims, taking 153 samples for assay.

The work was done by Messrs. Edward Thorburn and Raymond Pederson. Mr. Thorburn is well experienced in this work, having supervised several geochemical surveys for Strato Geological. Both men have worked on numerous exploration projects for Strato Geological and others.

The sampling was done along N - S lines 500 feet \pm apart with sample spacing of 200 feet. The samples were taken from the "B" horizon with pointed shovels and placed in special geochem paper envelopes.

The samples were submitted to the T. S. L. Laboratories at 425 Howe Street, Vancouver, B. C. The samples were dried, screened through 80 mesh screens and treated by the hot aqua regia extraction method.

COST OF SURVEY:

MEL 1 - 16 Group
Soil Sampling and Line Cutting
July 12 - 26, 1970

1 man 15 days x \$35.00	\$ 525.00
1 man 14 days x \$35.00	490.00
Transportation	140.42
Geochemical Analysis	191.25
Equipment Rental \$4.00 x 15 days	60.00
Room and Board	120.00
Professional Engineer's Report	300.00
Miscellaneous Expenses	<u>79.00</u>
 TOTAL	 <u>\$ 1,905.67</u>

CONCLUSIONS:

In 1969 a reconnaissance geochemical survey was carried out. This work yielded a few high geochemical results, so the Company decided to carry out a detailed survey in 1970.

From July 12 - 26, 1970 Strato Geological Ltd. was engaged in line cutting and soil sampling. The whole area was covered by systematic sampling, comprising 153 samples.

The sample results show a background reading of 16 ppm copper and 43 ppm zinc. It is generally accepted that any samples over 3 times background are anomalous. Thus, readings of 50 ppm or over for copper and/or 130 ppm or over for zinc are anomalous.

The 1970 survey shows only 10 copper and 1 zinc determination in the anomalous category out of 153 samples.

The 1969 survey shows 9 copper samples in the anomalous category out of 274 samples taken for a total of 19 anomalous samples out of a total of 427 samples taken.

The better samples i.e. those over 100 ppm are all located on or near the outside boundary of the claim group.

The plotted results show an erratic distribution of copper with possible weak mineralized trends both in an E - W direction and a N - S direction with a possible NE - SW trend.

CONCLUSIONS cont'd:

The E - W mineralized trend is on MEL No. 1 claim with the area of interest on the East boundary and apparently trending into the adjoining property to the East.

The N - S trend shows on the Eastern side of MEL 15 and MEL 16 about 300 feet from the Eastern boundary.

The possible NE - SW trends show on the South and West boundaries of MEL 10 and appear to trend into the adjoining properties to the South and West.

The weak anomaly on MEL 9 appears to be a small isolated patch of weak mineralization.

Similarly the anomalies on MEL 4 and on the junction of MEL 1, 2, 3 and 4 are both small and isolated.

RECOMMENDATIONS:

In view of the unfortunate location of areas of interest on MEL 1 and MEL 10 claims, I recommend that Anglo-Bomarc Mining Co. Ltd. (N.P.L.) acquire claims to East of MEL 1, 15 and 16 and to the S W adjoining MEL 10 to the South and MEL 9 and 10 to the West.

If such acquisitions can be made further geochem should be carried out to check the possible anomalous trends beyond the boundaries of the MEL group.

R. J. Davidson

CERTIFICATION:

I, Clarence H. Donaldson, of the City of Vancouver in the Province of British Columbia, hereby certify as follows:

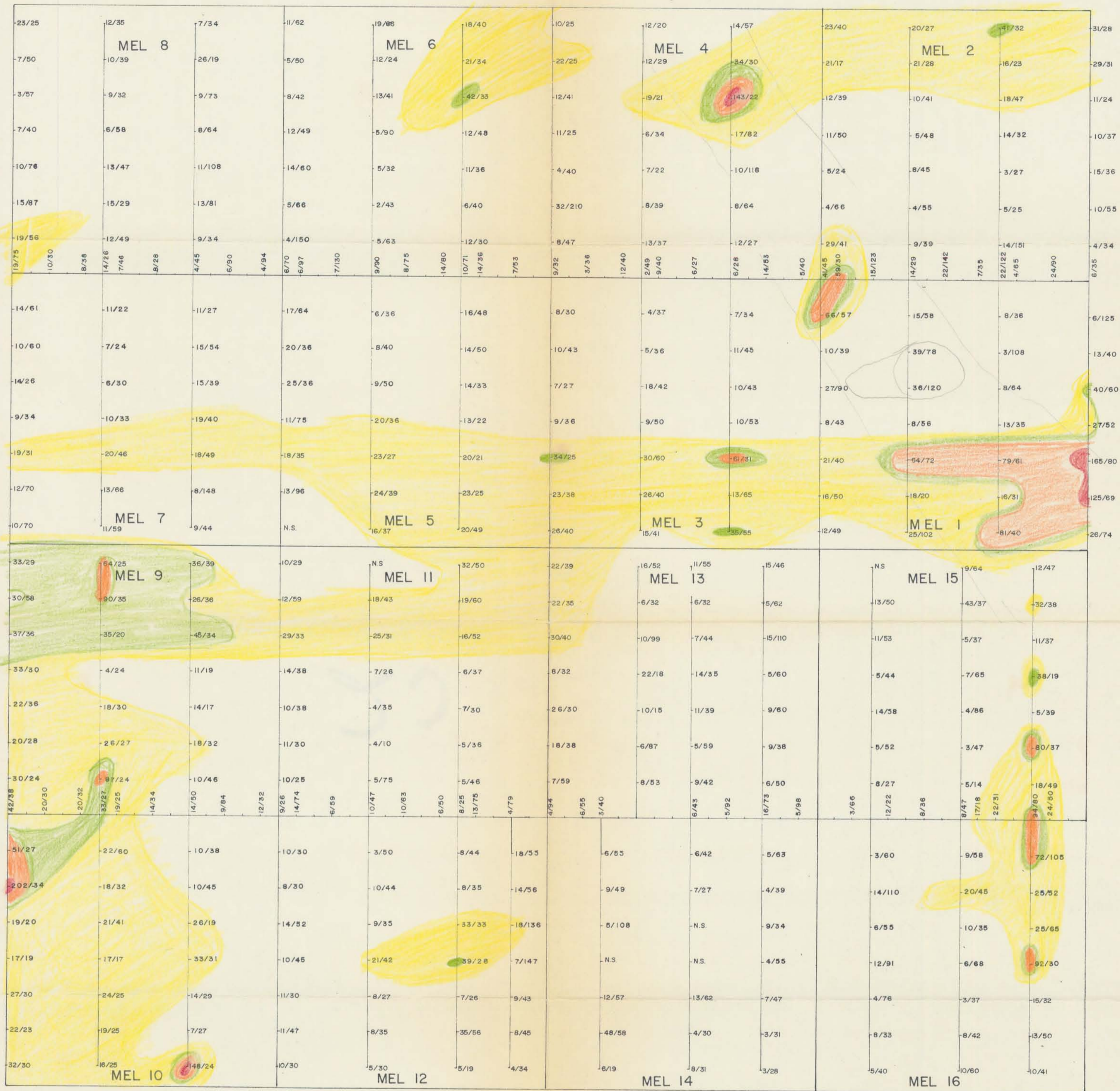
1. That I am a registered Professional Engineer of the Province of British Columbia and reside at Suite 101, Brentwood Apts., 2050 Barclay Street, Vancouver 5, British Columbia.
2. That my mining experience embraces all phases of the mining industry and have worked throughout Canada, Australia, South Seas and parts of U. S. A. and Mexico.
3. That I have no interest either directly or indirectly in the claims or securities of Anglo-Bomarc Mining Co. Ltd. (N.P.L.) nor do I expect to receive any.
4. That the information contained herein was obtained through examination of the plans and assays supplied by Strato Geological Ltd., as well as personal examination of the area.

Vancouver, B. C.
August 19, 1970


C. H. DONALDSON, P. ENG.



7 New Head?
Chaplin



Cu/Zn in p.p.m.
N.S. no sample

2575

- 100 +
- 50-100
- 33-50
- 16-33

TO ACCOMPANY A REPORT BY
C. H. DONALDSON, P. ENG.

ANGLO-BOMARC MINING CO. LIMITED (n.p.l.)

Department of
Mines and Petroleum Resources
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LINE CUTTING
&
SOIL SAMPLING

SCALE 1"=400' DATE 26 JULY, 1970

