

1955

GEOCHEMICAL REPORT

THE TEL CLAIM GROUP

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Department of
Mines and ~~Petroleum~~ Resources
ASSESSMENT REPORT
NO. 1955 MAP.....

ANACONDA AMERICAN BRASS LIMITED

Geochemical Report of the

TEL CLAIM GROUP

Introduction

The 86 claim TEL Group were staked for Anaconda American Brass Limited in August, 1968, following a regional stream sediment sampling program in the area. The claims are located in the Skeena Mining Division, partly in Tweedsmuir Park, at Longitude 125-40 and Latitude 52-31 at a general altitude of 5500 feet.

Description

The TEL Claim Group is made up of TEL 1 - 86 mineral claims in one block. They occupy a North and North-east drainage slope immediately east of Baldy Lake.

Ground cover is subalpine conifers and glacial drift and till derived from both the drift and the local rocks. Depth to bedrock is not known at present, but bedrock cover is continuous on the claim block. Swamp locations are as shown on the enclosed maps.

Geology

Nothing is known of the detailed geology of the bedrock underlying the claims. The till indicates both intrusive and volcanic rocks may occur.

Reason for the Survey

The survey was planned to test for base metal content in the soils in an area where regional studies had indicated the presence of base metal ores.

Details of the Survey

A North-South line was surveyed with chain and compass (Line 124E) and picketed and marked at 100 foot intervals. At intervals of approximately 800 feet lines sub-parallel were cut, chained and picketed at 100 foot intervals. Checks were made by cross chaining at regular intervals between the lines; drainages intersected and swamp areas intersected were recorded. The survey was tied to existing claim posts.

Samples were taken using a stainless steel trowel and, where necessary, a shovel.

Various horizons in the soil were sampled and recorded. Where available, the B horizon was sampled. Samples were packed in rock sample envelopes, pre-dried and shipped under a code indexing system to Britannia Beach for analysis.

Method of Determining Metal Content

Laboratory analyses of the samples were done by Ben Singh, graduate chemist, in Anaconda's geochemical laboratory. The samples, on arrival at the laboratory, were catalogued, dried and screened to 80 mesh. Molybdenum was determined by the classic calorimetric thiocyanate method; copper, lead, zinc and silver were determined by atomic adsorption technique. Results were recorded in parts per million.

Approximately 2,000 samples were taken and analysed and approximately 10,000 determinations were made of 5 elements.

The results of the analyses for each metal, together with the soil horizon, are plotted on a map of the soil sample locations and enclosed with this report. The scale of the map is 400 feet = 1 inch.

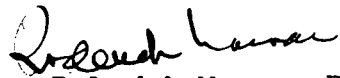
Results of the Survey

Anomalous concentrations of molybdenum in the soils occur in the general area of TEL 10, 12 and 14; 19, 21 and 23, and in the general area of TEL 31 to 41 inclusive.

Copper does not occur in anomalous amounts, and lead and zinc occur erratically in the soils tested.

Since the area is at least partially drift covered, the importance of the molybdenum concentrations and the source-bedrock can only be determined by further investigations.

Respectfully submitted,


Roderick Macrae, P. Eng.

August 25, 1969.



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ANACONDA AMERICAN BRASS LTD WESTERN EXPLORATION DIVISION

BALDY LAKE
SKEENA M.D., B.C.
SCALE: 1"=400'

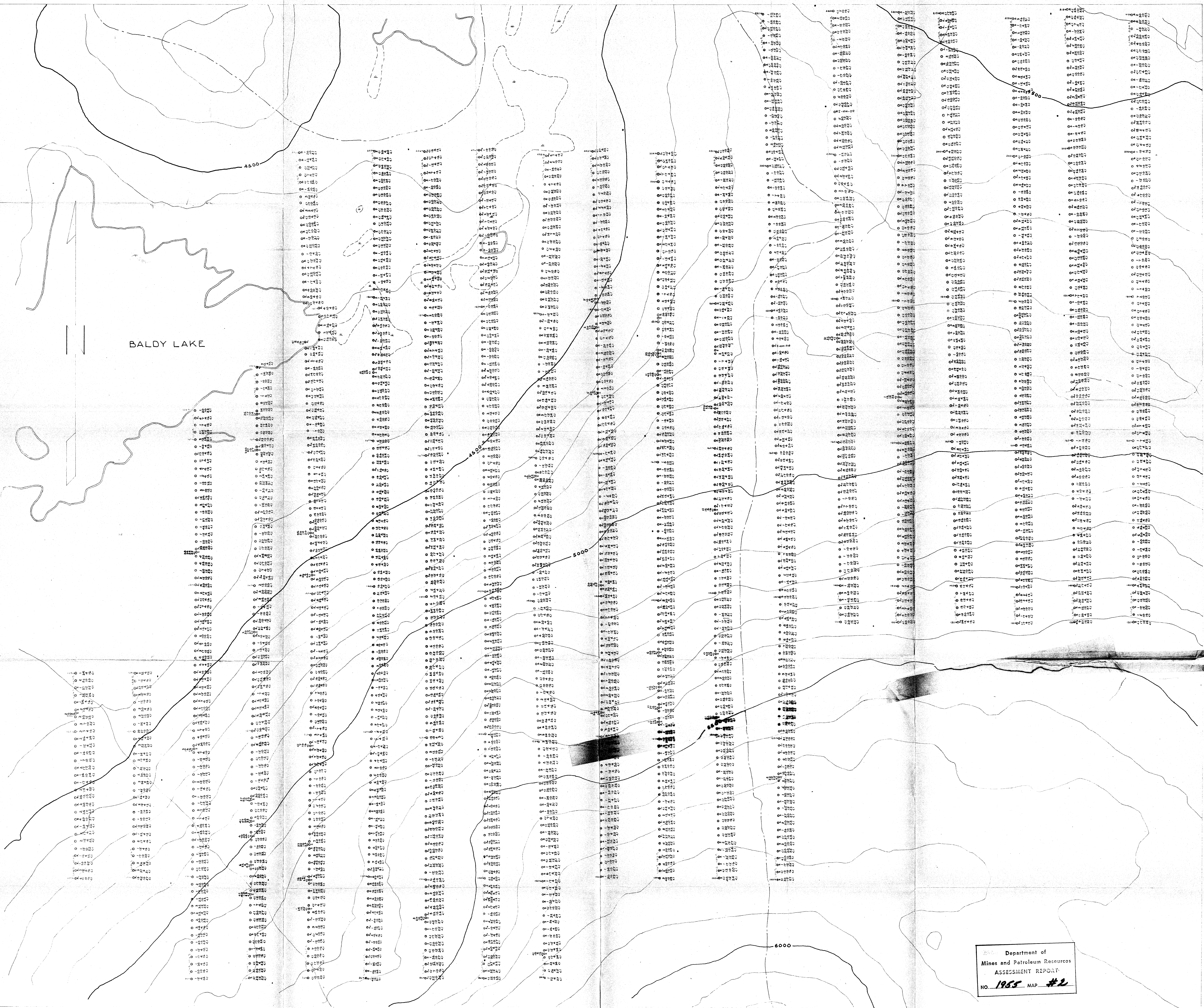
1955

MINERAL CLAIMS

THE MINERAL CLAIM NAMES AND RECORD NUMBERS ARE SHOWN.

THE 100 FOOT MARKERS OF THE PICKET LINES ARE PLOTTED.

TO ACCOMPANY GEOCHEMICAL REPORT BY R. MACRAE (PENG) DATED AUGUST 25, 1969.



BALDY LAKE

4500

5000

6000

○ SAMPLE LOCATION.
 LETTER DIRECTLY TO EAST OF LOCATION
 INDICATES SOIL TYPE, WITH 'X' FOR SEDIMENT
 AND 'B' FOR DRIFT.
 METALS ARE GIVEN IN PARTS PER MILLION IN
 THE FOLLOWING SEQUENCE:
 MOLYBDENUM
 COPPER
 LEAD
 ZINC
 SILVER

TO ACCOMPANY GEOCHEMICAL REPORT BY R. MACRAE (P. ENG.) DATED AUGUST 25, 1969.

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 NO. 1955 MAP #2

ANACONDA AMERICAN BRASS LTD. WESTERN EXPLORATION DIVISION

BALDY LAKE
 SKENA M.D.B.C.
 SCALE: 1"=400'
 GEOCHEMISTRY

1955
Robert Leane