

3157

A GEOCHEMICAL REPORT ON A
SOIL, STREAM SEDIMENT & ROCK SAMPLE SURVEY
Property: DOT CLAIMS
Claim Owner: Anaconda American Brass Ltd.
Location: 7 Miles North of Princeton
Mining Division: Similkameen 924/10E
Province: British Columbia
Report by: Rod Macrae, P.Eng., G. Nordin, B.Sc.
Date of Work: Sept. 16 - Nov. 5, 1970
Date of Report: July 28, 1971

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3157 MAP

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MAPS:

#1 Plate I - Sample Values - PPM Cu	In Pocket
2 Plate II - Sample Values - PPM Cu, Detailed Area	In Pocket
3 Plate III - Grid System - Claim Location Map	In Pocket

INTRODUCTION

The Dot claims consisted of two groups:

Dot 1 - consisting of Dot 63, 65, 67, 69, 71, 85, 86, 87, 87, 88, 88, 89, 90, 91, 92, 93: record numbers 25703, 25705, 25707, 25709, 25711, 26088, 26089, 26090, 25723, 26091, 25724, 26092, 26093, 26094, 26095, 26096.

Dot 2 - consisting of Dot 51 - 59, 61, 73, 77, 79, 81: record numbers 25691 - 25699, 25701, 25713, 25717, 25719 and 25721.

These two groups have been regrouped into one group called Dot 71-1.

PURPOSE OF SURVEY

The geochemical survey was conducted to investigate several previous anomalous soil geochemical samples and to complement an induced polarization survey completed earlier in the summer.

LOCATION & ACCESSIBILITY

The Dot claims are located 3,000 ft. N30°E from the junction of Highway 5 and the Missezula Lake Road which have coordinates of 120°31'00" longitude and 49°32'15" latitude. Access to the claims is by a system of dirt logging roads which require four wheel drive vehicles during wet weather.

TOPOGRAPHY & VEGETATION

The property is situated on a sparsely forested, steep sided, ridge elongate N-S rising to 4,000 feet from the valley floor of 2,500 feet. The climate is semi arid with the main trees being ponderosa pine. A well developed soil profile with a brown "B" horizon is present. Bedrock is at a shallow depth of <5 feet over the bulk of the property and form steep cliffs on hillsides.

GENERAL GEOLOGY OF THE AREA

The claim group is underlain by Upper Triassic Nicola group andesites and basic fragmental flows trending N-S with subvertical dips. The central portion of the group is overlain by a thick channel fill of Tertiary sandstone grit.

METHOD OF SAMPLING

A N-S base line was cut through the center of the property. At 800 foot intervals along this line, E-W cross lines were cut and soil samples were taken at 200 foot intervals along both the cross lines and the base line (Plate I). In the area noted as detailed area (Plate II) the E-W line spacing was 200 feet and the sample interval 50 feet.

Each soil sample was taken from a pit or hole dug with a shovel or grubhoe to depths varying between 5 and 19 inches, depending on the soil development, to obtain the B horizon. Samples taken were approximately 1/4 - 1/2 lb.

Each rock sample was made up of fresh, representative chips taken from the outcrop by means of a sample hammer.

A total of 161 rock samples and 816 soil samples were collected over the grid system.

ANALYTICAL METHODS

Samples were processed in the Anaconda American Brass Ltd. Geochemical Laboratories at Britannia Beach.

After drying the samples at 95°C they were screened by an 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. One gram weight of the samples was digested with HNO₃ and HCCO₄ mixture for five hours and after dilution to standard volume, the sample solutions were analyzed by atomic absorption spectrophotometers. Copper, zinc, lead, silver, iron and manganese were analyzed, using the C₂G₂-air flame combination. The molybdenum determination was carried out by C₂H₂-N₂O gas mixture directly on the same sample solutions.

The same procedure was followed for rocks, except that they were first run through a jaw crusher and a rotary pulverizer.


RESULTS OF THE GEOCHEMICAL SURVEY


The results of the survey are plotted on a 1"=400' scale geochemical map (Plate I).

COPPER

Values at 100 ppm are considered slightly anomalous for "B" horizon soil samples. Anomalous values are present in two areas numbered A and B on the soil geochemical map.

Molybdenum values from <1 ppm to 16 ppm, lead values from 8 ppm to 30 ppm, zinc values from 23 ppm to 300 ppm and silver values from .2 ppm to 3 ppm are not considered to be anomalous in this region.


Gary Nordin

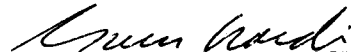

Rod Macrae, P. Eng.

CERTIFICATE

I, Gary Nordin, of the town of Britannia Beach, Province of British Columbia, do hereby certify that:

1. I am a graduate of the University of Alberta, Edmonton, with a B. Sc. (1970) Honors in Geology.
2. I have been a staff geologist with Anaconda American Brass Limited, Britannia Beach, British Columbia, since 1970.

Dated at Britannia Beach
this 26 day of April 1971.


Gary Nordin, Geologist

APPENDIX I

ASSESSMENT DETAIL

Property	Dot Claim Groups
Owner:	Anaconda American Brass Limited
Location:	7 miles north of Princeton, B.C. 120°31' - 49°32'
Mining Division:	Similkameen
Province:	British Columbia
Date of Work:	Sept. 16 - Nov. 5, 1970
Type of Survey:	Geochemical
Operating Field Man Shifts:	28
Operating Field Crew/shifts	14
Supervisory Shifts:	2
Accounting & Drafting Shifts:	6
Typing Shifts:	1

PERSONNEL EMPLOYED ON SURVEY

Supervision:	Rod Macrae, P. Eng., G. Nordin
Accounting & Drafting:	B. Pullen, J. Vinnell, G. Nordin
Typing:	R. Broderick

Field Personnel:

<u>Name</u>	<u>Category</u>	<u>Rate/mo.</u>	<u>Days Worked</u>	<u>Period</u>	<u>Wages & Fringes @ 11%</u>
G. Nordin	Geologist	*\$ 425	14	Sept. 16-Nov. 5/70	\$ 254.00
N. Osborne	Sampler	425	14	Sept. 16-Nov. 5/70	<u>254.00</u>
					\$ 508.00

*Soil samplers rate assigned to a Geologist

Note: Salaries based on 26 day work month.

Declared before me at the *City*
of *Vancouver*, in the *Podersk house*
Province of British Columbia, this *26*
day of *July* 1971, A.D.

John Jensen
A Commissioner for taking Affidavits within British Columbia
A Notary Public in and for the Province of British Columbia
Sub-mining Recorder

APPENDIX II

STATEMENT OF COSTS

Field Crew:

Salaries (as per Appendix I)	\$ 508.00
Room & Board @ \$12.88/man/day	360.64
Transportation @ \$18.00/crew day	252.00
Communications (radiophone & telephone)	25.00
Supervision @ \$35.00/day + 11% fringes	77.70

Laboratory Analysis:

977 Samples " \$2.00/sample	1,954.00
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Interpretation & Report Preparation:

Accounting @ \$30.00/day + fringes @ 11%	66.60
Drafting @ \$30.00/day + fringes @ 11%	133.20
Typing @ \$25.00/day + fringes @ 11%	27.75

\$3,404.89

Cost Allocation:

Total Samples Collected	977
Total Number on Claims	836
% of Samples on Claims	86

Total Dollars Applicable to Claims

\$2,928.20

$0.86 \times 3,404.89 = 2,928.20$

J. Vinnell

J. Vinnell

Declared before me at the *City*
of *Chase*, in the
Province of British Columbia, this *26*
day of *July* 1971, A.D.

John Vinnell

John Vinnell
A Commissioner for taking Affidavits within British Columbia
A Notary Public in and for the Province of British Columbia

Sub-mining Recorder



SEE DETAILED SECTION 1"=200'

3157

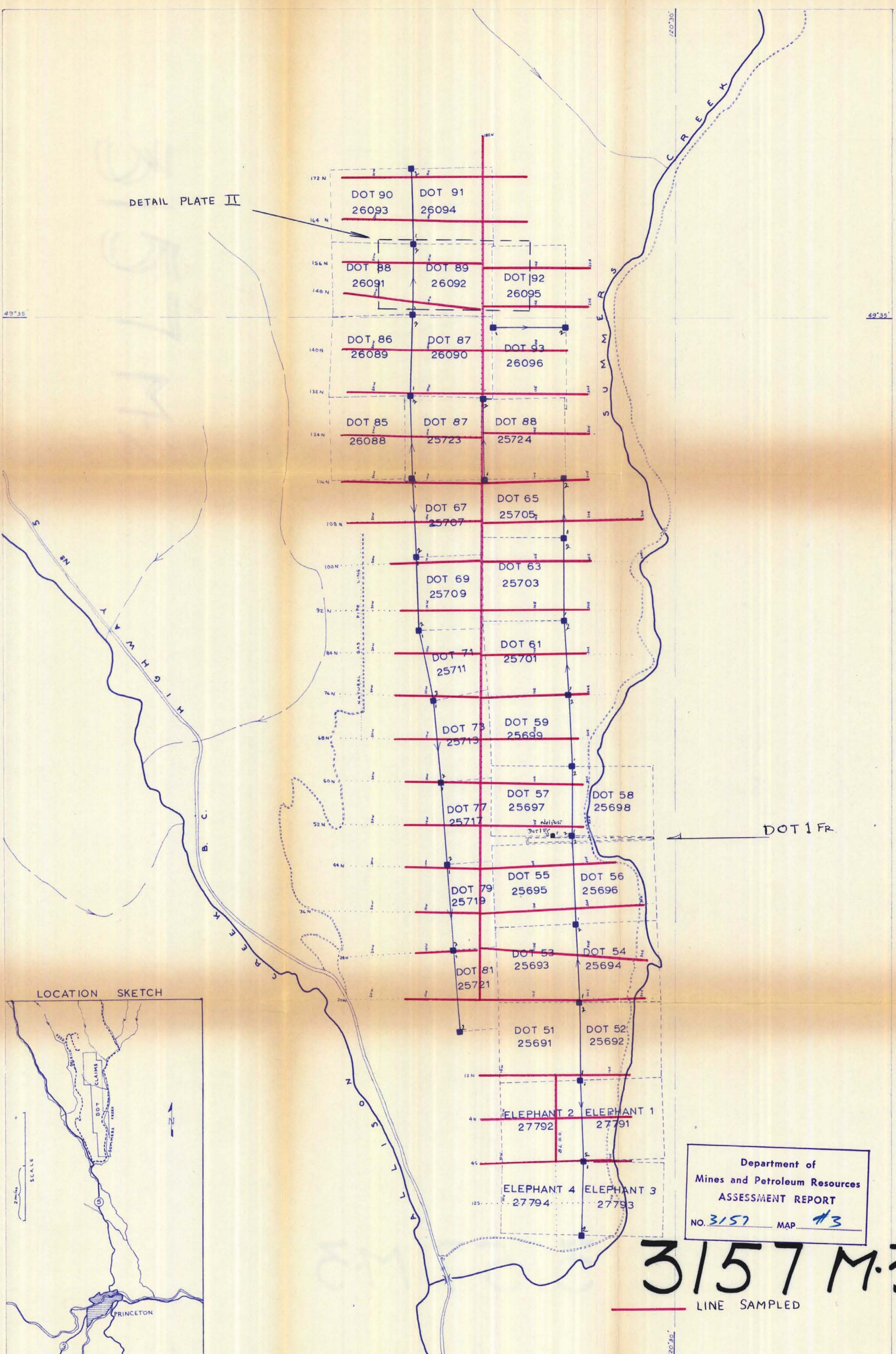
M-1

—■— > 200 ppm. Cu.
—■— 100 to 200 ppm. Cu.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO 3157 MAP #1

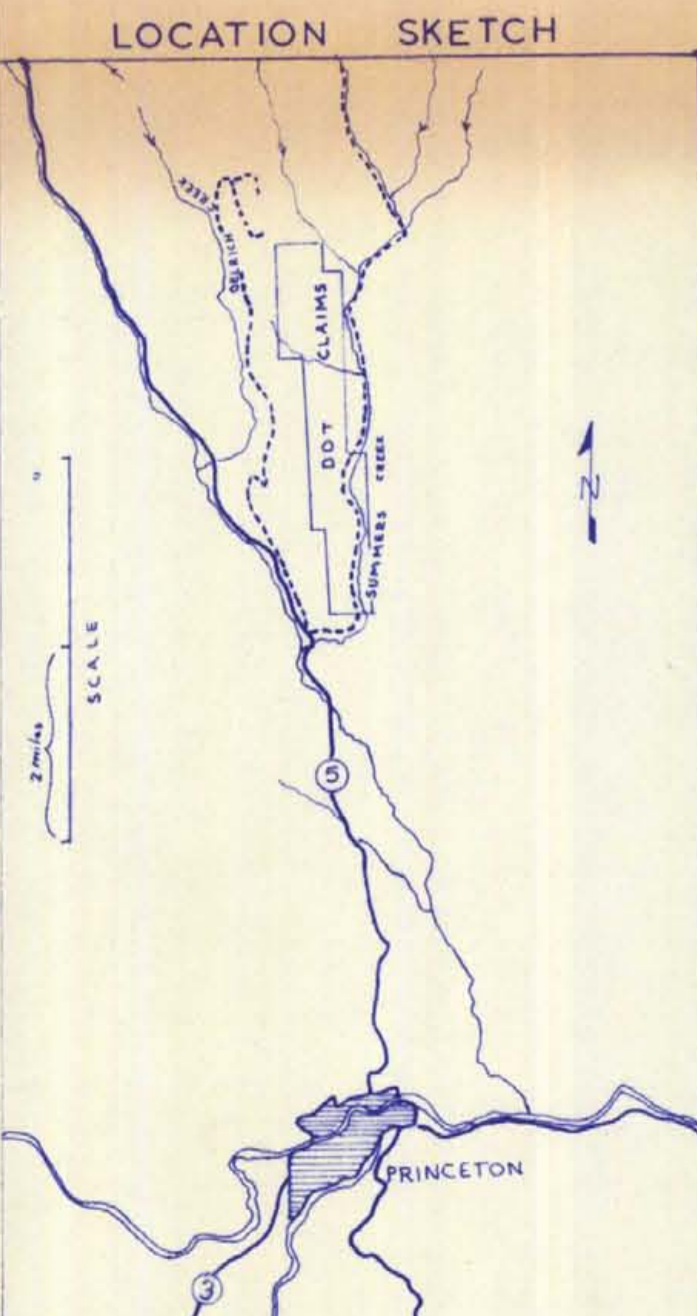
PLATE I *David Lewis*

ANACONDA AMERICAN BRASS LTD. WESTERN EXPLORATION DIVISION
 DOT
 SIMILKAMEEN M.D., B.C.
 SCALE: 1"=400'
 TO ACCOMPANY GEOCHEM. REPORT BY R. MACRAE, RENG & G. NORDIN.



DETAIL PLATE II

DOT 1 FR.



Department of
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3157 M-3

LINE SAMPLED

THE 100 FOOT CHAINAGES OF THE PICKET LINES ARE SHOWN

ANACONDA AMERICAN BRASS LTD WESTERN EXPLORATION DIVISION

REVISED BY
JANUARY 1, 1971 J. VINNELL
TO ACCOMPANY GEOCHEM. REPORT BY:
R MACRAE, P. ENG. & G NORDIN

DOT
SIMILKAMEEN M.D., B.C.
SCALE: 1" = 1000'

PLATE III

Deborah