

Geochemical Report 93F/15W
The Owl Claim Group

Location: South side of Nithi River Valley
53 - 56 : 124 - 51

Report by: Delmer L. Brown.
Roderick Macrae, P.Eng.

Claim

Owner: Anaconda American Brass Limited.

Work for: Anaconda American Brass Limited.

Dates of Work: 21st June 1966 - 2nd July 66.



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Soil Geochemistry Map. # 1

APPENDIX "A"

Statement of qualifications of Delmer L. Brown.

- 1959: Bachelor of Science
South Dakota School of Mines and Technology.
- 1962: Master of Science
Colorado School of Mines.
- 1964-1966: Geochemical Research and Applied Geochemistry
Colorado School of Mines Research Foundation.
- 1966: Geologist
Anaconda American Brass Limited,
Britannia Beach, British Columbia.

APPENDIX "B"

STATEMENT OF COSTS OF THE SOIL SAMPLING SURVEY

Soil sampling and line marking:

Labour	60 man days	\$1164.00	
Maintenance		<u>325.00</u>	\$ 1,489.00
Soil analysis:	262 samples		358.00
Soil sampling supplies, bags, tapes, field chemicals, etc.			30.00
Mapping and Printing			25.00
Supervision			<u>400.00</u>
			<u>\$ 2,302.00</u>

STATEMENT OF LABOR EXPENDITURES INCURRED

<u>Name</u>	<u>Category</u>	<u>Rate</u>	<u>Dates worked</u>	<u>Wages</u>	<u>Time</u>
D. Brown	Geologist	\$30.00/day.	21. June-2 July	\$360.00	12 days
J. Kozic	Prospector	\$20.00/day.	21. June-2 July	\$240.00	12 days
C. Twomey	Sampler	\$16.00/day.	21. June-2 July	\$192.00	12 days
B. Milavsky	Sampler	\$14.00/day.	21. June-2 July	\$168.00	12 days
J. Merrell	Cook	\$17.00/day.	21. June-2 July	\$204.00	12 days
				<u>\$1164.00</u>	<u>60 days</u>

I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act".

Declared before me at the *City*
of *Vancouver*, in the
Province of British Columbia, this *9*
day of *June* *1967*, A.D.

}
} *Doderick Wallace*
}

..... *Juli Suran*

A Commissioner for taking Affidavits within British Columbia or a Notary Public in and for the Province of British Columbia

Sub-mining Recorder

ANACONDA AMERICAN BRASS LIMITED

GEOCHEMICAL SURVEY

of the

OWL CLAIM GROUP

Introduction:

The Owl 1-20 (inclusive) mineral claims were staked in June, 1966 by John Kozic, agent for and acting on behalf of Anaconda American Brass Limited. The claims are located on the south side of Nithi River valley near Endako, British Columbia.

Geochemical sampling was accomplished on the Owl group of mineral claims during the 1966 field season to investigate a possible copper anomaly.

Description:

The Owl group of mineral claims consists of the Owl 1-20 (inclusive) claims, all claims being mutually adjacent and contiguous. These claims are situated on the slopes south of the Nithi River valley, located near Endako, British Columbia and approximately 7 miles east-southeast of Francois Lake.

The area covered by the claims is largely spruce, pine, and poplar forest. Numerous small swamps occur in valleys on the claims. The area has a shallow but complete soil cover. Bedrock is not exposed; the nearest rock crops are along a creek to the east of the claims.

Reason for the Survey:

A geochemical analysis of certain soil samples collected in 1962 on a group of then existing mineral claims known as the Bay claims indicated a somewhat anomalous concentration of copper in several samples. The purpose of the geochemical program in 1966 on the Owl group of

mineral claims was to obtain additional samples from a closely-spaced grid interval in order to evaluate the magnitude and nature of the possible anomaly.

Details of the Survey:

1) Method of taking samples: A baseline parallel to the length of the Owl group of claims, was established using and compass survey. Grid survey lines were next established, with grid lines being spaced at 600 foot intervals. Soil sampling was conducted along these grid lines and along 200 foot offsets from the grid lines. The sample grid pattern was a diamond pattern, with sample locations being 400 feet apart. Field sample locations were flagged and numbered.

A total of 262 geochemical soil samples were collected over the primary area of interest. These samples were packaged in manila envelopes and sent to the laboratory for analyses.

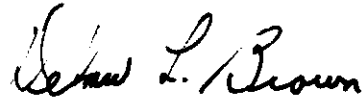
Whenever possible, the B soil horizon was sampled. Records were kept of each sample, noting the soil horizon sampled, the thickness and development of the horizon, local vegetation, and other pertinent information.

2) Method of Analysis: The soil samples were dried in the laboratory and screened to minus 80 mesh. A standard weight of the screened sample was digested in hot acid. Analyses for copper, lead and zinc were then made using a Techtron Atomic Absorption Spectrophotometer. Colorimetric geochemical analyses were made for molybdenum.

Results: A geochemical map is enclosed indicating the location of each sample and the analytical results of the laboratory analysis.

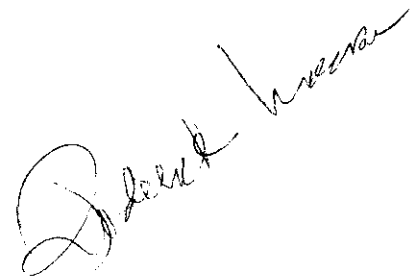
A significant copper anomaly does not appear to exist on the Owl group of claims.. Anomalous concentrations of heavy metals are associated with local swamps in the area, but a wide-spread geochemical anomaly does not appear to exist.

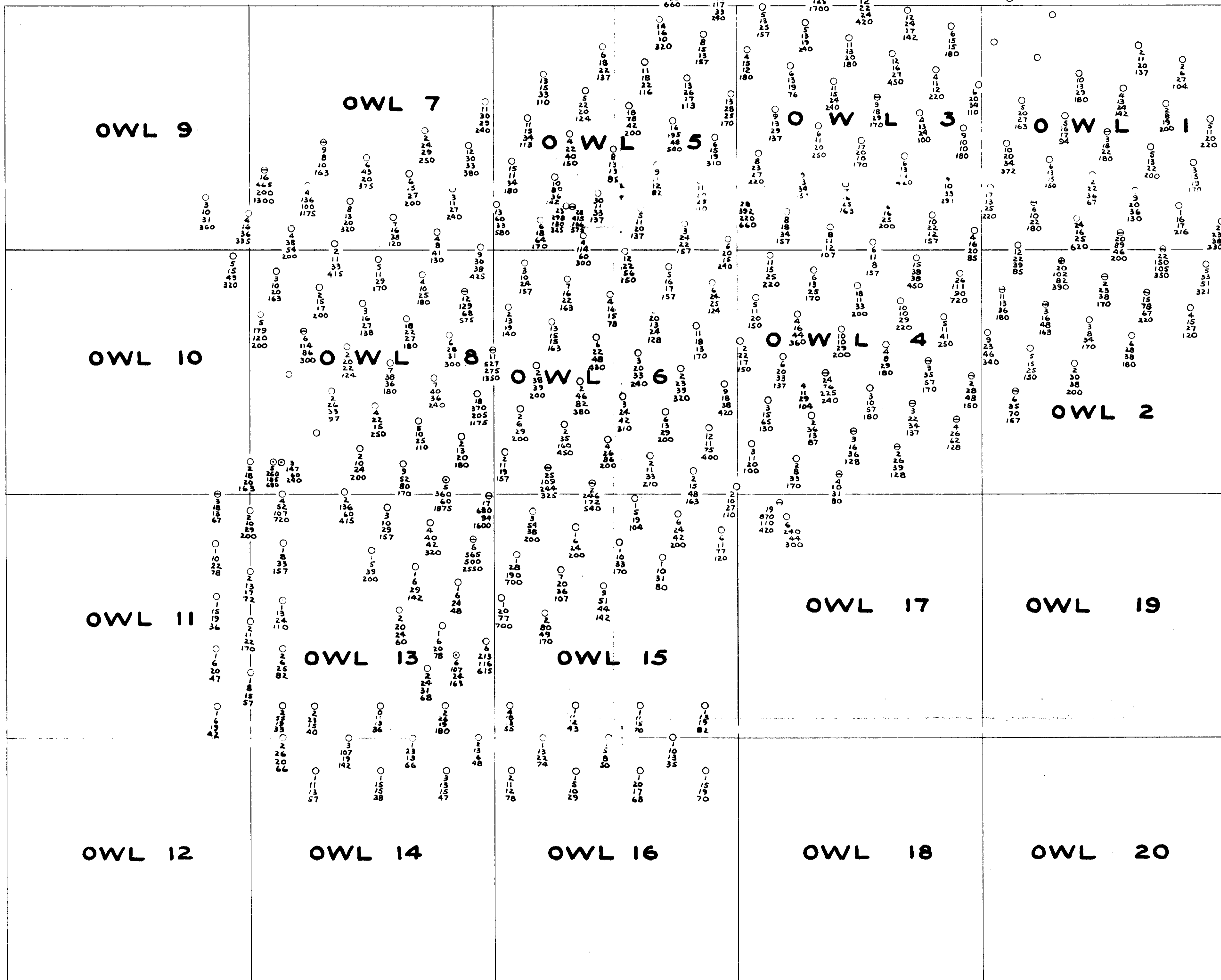
Respectfully submitted,



Delmer L. Brown,

December 12th, 1966.





EXPLANATION:

SAMPLE LOCATION	SOIL TYPE	ORDER OF METALS IN PARTS PER MILLION
⊕	A1	MOLYBDENUM
⊙	A2	COPPER
○	B	LEAD
⊖	STREAM SEDIMENT	ZINC

ANACONDA AMERICAN BRASS LTD WESTERN EXPLORATION DIVISION

**SOIL GEOCHEMISTRY
OWL CLAIMS, BAY PROJECT**

OMINECA MINING DIVISION, B.C.

SCALE: 1"=400'

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1002 MAP 1

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