

GEOCHEMICAL REPORT

ON

THE BUCK GROUP of four mineral claims consisting of

Buck #1,	Record #59902
Buck #2,	Record #59903
Buck #3,	Record #59904
Buck #4,	Record #59905

Nicola Mining Division, British Columbia

By

YUKONADIAN MINERAL EXPLORATIONS LIMITED

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Vancouver, British Columbia.

Ronald P. McBean  
Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 5638 MAP

July 15th, 1975

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Property Location and Access

The Buck Group consists of four contiguous mineral claims which include the old workings staked in 1964 by M. Bowes a rancher at Mamit Lake. Bowes subsequently transferred the claims to S. Petkovich and partners who carried out considerable cat-work and some prospecting. The Group is currently held by Yukonadian Mineral Explorations Ltd. In view of the fact that occurrences of copper mineral exposed by the old adit and subsequent surface trenching cannot be considered of commercial importance, and the fact, also, that large portions of the property are obscured by overburden, it was decided that soil sampling of these areas was justifiable. The claims lie at altitudes of 4000 ft. to 4800 ft. and may be reached by driving north from Lower Nicola on the blacktop road to Craigmont Mine, a distance of about nine miles to the Chataway Lakes turnoff, thence an additional six miles by dirt road to the property. During the breakup and spring snow runoff the latter part of this road calls for 4-wheel drive vehicle.

Grid and Method of Sampling

A Base Point was taken at the #1 post of the Buck 1&2 claims and a Baseline was extended southwesterly uphill at 230 degrees magnetic. Cross lines at right angles to the baseline were run out to the east and west at 400 foot intervals and stations taken at 200 foot intervals except where precluded by rock slide or lack of overburden. A total of 20,000 feet of line was run. 99 soil samples were taken, using sampling mattocks, from "B" horizon consisting of a brown, sandy loam,

*Lab.*

found at an average depth of 8 inches below the surface after removing any mulch. Samples were collected in regulation paper soil sample bags, and shipped to General Testing Laboratories, Vancouver B. C. for analyses for copper in parts per million. The procedure used was decomposition with hot HNO<sub>3</sub> and HClO<sub>4</sub> - A.A. The mesh size fraction of sample used for analysis was 80 mesh.

#### Personnel and Costs

This soil sampling program was done by Yukonadian Mineral Explorations Limited, owners of the Buck 1-4, and paid fo by the said company to meet assessment work requirements for one year. Personnel engaged and their qualifications are as follows:

Ronald P. McBean, Exploration Manager for Y.E.S. exploration syndicate; 20 years experience in geophysical and geochemical prospecting including work for McPharr Geophysics, Mt. Billings Ventures, Rio Tinto, Jericho Mines, Shield Mining Surveys, Nahanni "60" Syndicate, etc.

Nils O. Hagglund, Prospector; Exploration Mgr. for Crystal Springs Exploration Syndicate; President of Dorvan Explorations Ltd, (N.P.L.) During the 1974 season Mr. Hagglund conducted geochemical surveys at Robb Lake for British Newfoundland Corporation.

Steve Uzelac, M.A., Prospector and Placer Miner; student of geology and geochemistry.

Bryan F. McBean, Truck driver, packer and helper; engaged in occasional soil and silt sampling in the Yukon and Okanogan areas since 1965.

*Amob*

Total costs of the survey and report to the owners,  
Yukonadian Mineral Explorations Limited are as follows:

Wages	\$ 397.00
Meals	43.00
Lodging	60.00
Truck rental, gas & oil	120.00
Soil sample analyses	123.00
Maps & Interpretation	<u>100.00</u>
Total:	\$ <u>843.00</u>

This Report is compiled by Ronald P. McBean under direction of Harvey H. Cohen, P. Eng. Laboratory results received from General Testing Laboratories were submitted to Mr. Cohen for interpretation which follows as part of this Report.



Ronald P. McBean

July 15th, 1975

GEOCHEMICAL SURVEY RESULTS:

The 200 acre area covered by the soil sampling program consisted of 8 cross lines (A to H inclusive) at 400 ft. spacing with soil samples cut at 200 ft. intervals along the cross lines with some fill in samples at certain zones. A swamp area and rock slide prevented complete coverage.

The procedure is based on the fact that any metallic orebody present would lead to those contained metals of the orebody to be dispersed in the near vicinity of the orebody, particularly in the soils above these rocks. The system seeks any unusual concentration of valuable minerals or metals occurring over a defined area to produce an anomaly. Only a very small amount of metal sought would serve as an indicator to the presence of an underlying orebody.

The plotting of the results of this survey conducted over the Buck Claims has outlined the following zones of interest.

No.1 Anomaly is centered at Line B North 200 and it measures approximately 300' by 150', strikes north-south, and is close to the short adit and open cut which lie 200 feet east of the centre of the anomaly. The intensity of the copper content was found to be 10x background.

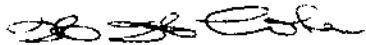
No.2 Anomaly, centering at Line G North 400 is longitudinal in shape, striking northeasterly and



measuring 800 feet in length. It appears to be the result of a structural feature, judging from the shape, indicative of a narrow shear zone or contact; these usually produce elongated highs parallel to the strike of the formation.

No.3 Anomaly, east of No.2 by 600 feet, measures 400' by 100' approximately, has the copper content of  $2 \frac{1}{2}$  x background, and could be related to No.1 Anomaly, being on the same strike and 800 feet distant. Again, structurally it could be related to No.1

No.4 Anomaly occurs at the edge of the rock slide. It's high value of  $3 \frac{1}{2}$  x background is significant. The closure of the anomaly is extrapolated as the slide area covers the surface. It is mentioned here for the sake of completion.



Harvey H. Cohen, P.Eng.



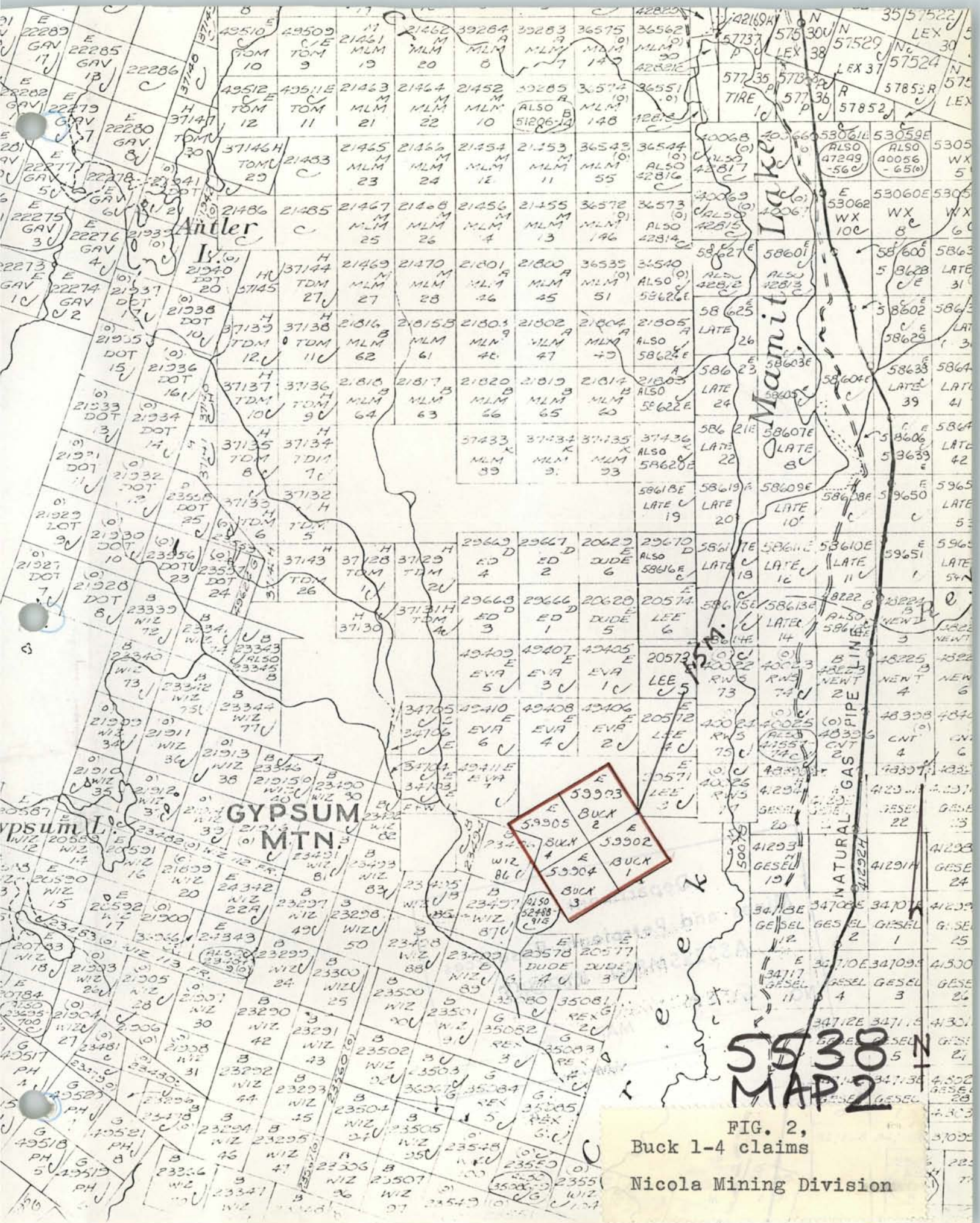


Fig.1

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LOCATION MAP BUCK CLAIMS





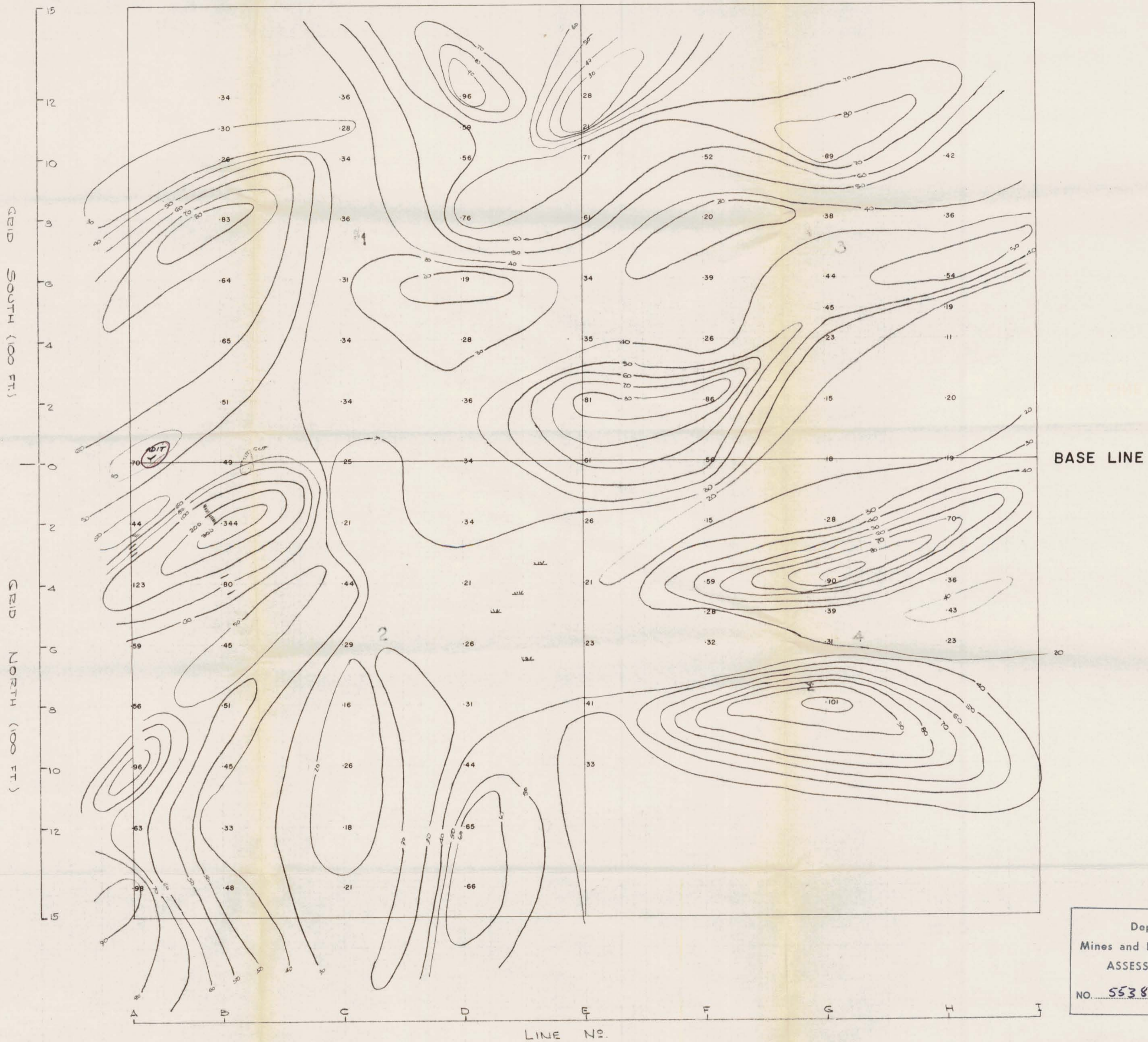
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MAP 2

FIG. 2,  
Buck 1-4 claims  
Nicola Mining Division

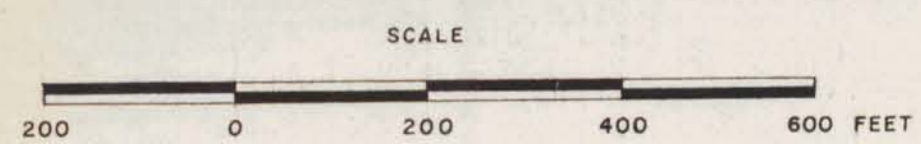




TRUE NORTH



GEOCHEMICAL SURVEY OF BUCK CLAIMS  
 YUKONADIAN MINERAL EXPLORATION LTD.  
 COPPER VALUES EXPRESSED IN P.P.M.



CONTOUR INT. 10 PPM. CU.

JULY 1975

*[Handwritten signature]*

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MAP 3