

UMEX

5130

UNION MINIERE EXPLORATIONS
AND MINING CORPORATION LIMITED

SUITE 200 - 4299 CANADA WAY
BURNABY, B.C. V5G 1H4

TELEPHONE 437-9491

ASSESSMENT REPORT
on
Geochemical Soil Survey

93N/14W
94C/3W

MINERAL CLAIMS
AMP 8, 9, 10, 11, 12, 13

RECORD NUMBERS
128097 to 128102

Omineca Mining Division, British Columbia

N.T.S. 93N/14; 94C/3
55°59' North Latitude
125°30' West Longitude

by
Alfred A. Burgoyne

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5130 MAP

WORK DATES: Amp 8-11; July 9-11, 1974
Amp 12-13; August 12 and 17, 1974

DATE: August 30, 1974

OWNER: Union Miniere Explorations and Mining Corporation Limited

CONTENTS

	Page
INTRODUCTION	1
GRID CONTROL	1
GEOLOGY	1
GEOCHEMICAL SOIL SURVEY	2
Method	2
Analytical Treatment	2
Results	3
CONCLUSIONS AND RECOMMENDATIONS	3
APPENDIX I - Statement of Costs for Geochemical Soil Survey, Amp 8-11 claims	4
APPENDIX II - Statement of Costs for Geochemical Soil Survey, Amp 12-13 claims	5

Figures

#1 FIGURE 1 Location of Amp Claims, 1:250,000	following page 1
#2 FIGURE 2 Geochemical Soil Survey, Amp 8-13 claims, 1 inch=400 feet	in pocket

ASSESSMENT REPORT ON AMP 8-13 MINERAL CLAIMS

INTRODUCTION

The Amp claims are located approximately thirty-five miles northwest of Germansen Landing, B.C. The Omineca Mines Road comes to within fifteen miles of the property at Uslika Lake. Access to the property is by helicopter from this point. A branch secondary gravel road from the Omineca Road terminates within five miles of the claims at Kennco's Lorraine property.

The Amp claims were staked on August 28, 1973 and recorded September 4, 1974. The claims are bounded on the west by the Rem and Ham claims. The location of the claims and the grid lines are illustrated on Figures 1 and 2.

This report is to cover assessment requirements for the following claims:

<u>Claim Name</u>	<u>Record Number</u>
Amp 8-11	128097-128100
Amp 12-13	128101-128102

Soil sampling and line placement was done on July 9-12, 1974 on the Amp 8-11 claims, and on August 12 and 17, 1974 on the Amp 12-13 claims.

The field work was completed by Mr. A. Pauwels, B.Sc., geologist, and R. Warner, geological assistant, who were in turn under the supervision of Mr. A. Burgoyne, P.Eng.

GRID CONTROL

Soil sample lines were placed in a N60°E direction by chain and compass. The lines were marked with orange flagging tape at 200 foot intervals. The lines are approximately 400 feet apart except for the two southerly lines on the Amp 12 and 13 claims which are 200 feet apart. The grid coordinates on the Amp claims illustrated on Figure 2 were an extension of previous grids completed by UMEX to the west on the Rem and Ham claims.

Approximately seven lines over 3.5 line miles was completed on the Amp 8-11 claims and four lines over 1.5 line miles was completed on the Amp 12-13 claims.

GEOLOGY

The claims are located within the Hogem Batholith of the Omineca Intrusives

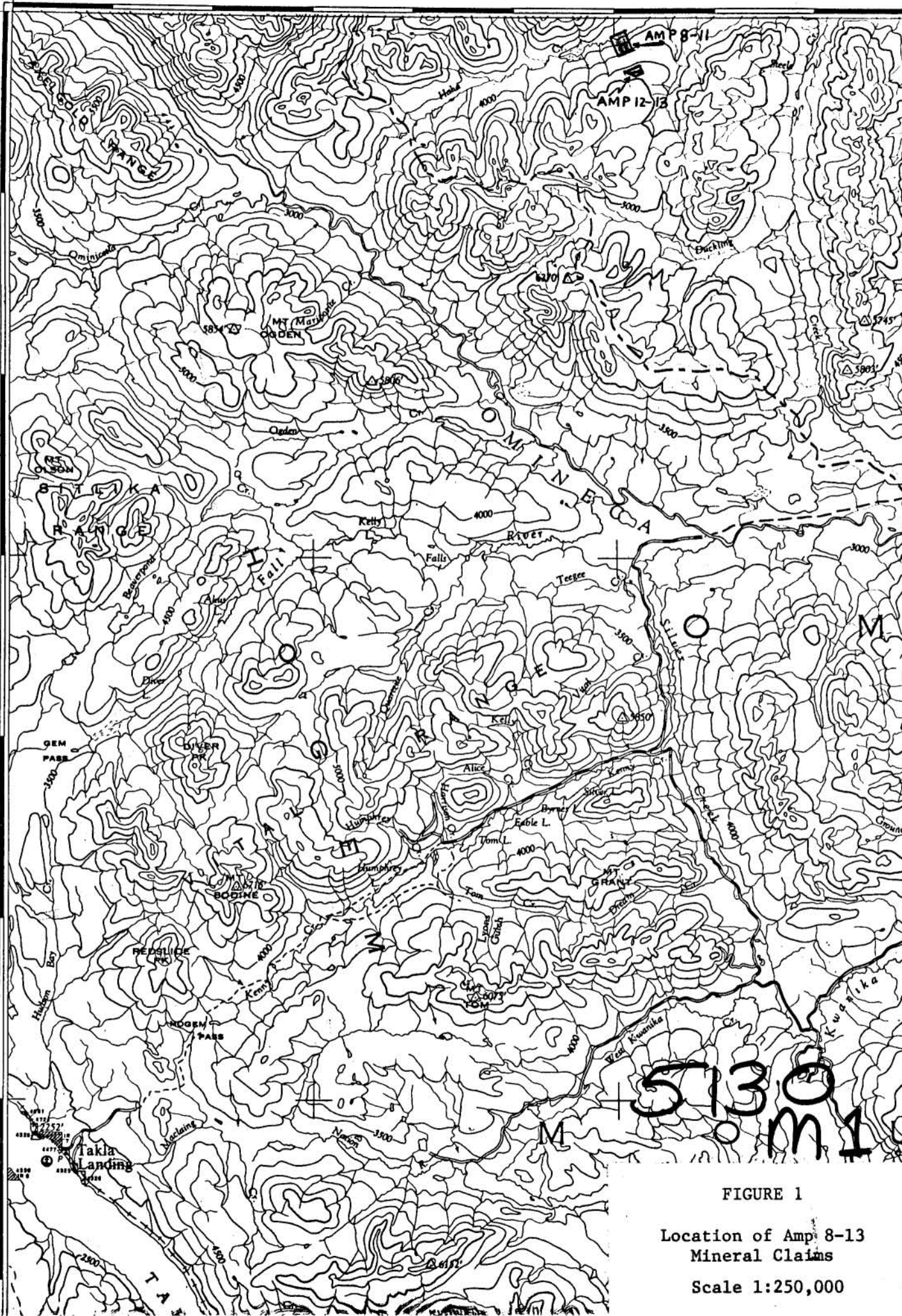


FIGURE 1
 Location of Amp 8-13
 Mineral Claims
 Scale 1:250,000

of late-Jurassic to early-Cretaceous age. According to Garnett¹, the claims are underlain by a fine to medium grained, mesocratic monzodiorite-monzonite.

GEOCHEMICAL SOIL SURVEY

Method

A total of 98 soil samples were collected over 3.5 line miles of grid on the Amp 8-11 claims and 42 soil samples were collected over 1.5 line miles of grid on the Amp 12-13 claims. All soil samples were analysed for copper and silver. At each sample location a pit was dug with a shovel to a depth of 16 inches or less, depending on the soil development, and a sample was taken from the B soil horizon. The soil was then placed in a Kraft paper soil sample bag and marked. The soil development for the surveyed areas is:

- A₀ Organic litter, 0 to 1 inch thick, but thicker in swampy areas and valley bottoms.
- A₁ Decomposed organic debris, and humus rich black in color, 0 to 2 inches thick but considerably thicker in swampy areas and valley bottoms.
- A₂ Light-coloured horizon of maximum eluviation. Thickness varies from 0 to 3 inches; spotty distribution.
- B Brown to orange in colour, loose structure, accumulation of clay minerals, iron minerals, and organic matter, 0 to 14 inches thick.
- C Weathered bedrock or glacial overburden.

Analytical Treatment

The soil samples were analysed by Chemex Labs Ltd. in North Vancouver, B.C. The samples were dried in their respective bags at a temperature of 120°F and sieved through a -80 mesh nylon screen. One-half portions of the -80 mesh fraction of the soils were placed in culture tubes and digested in 4 ml of a perchloric-nitric acid solution for three hours. The digested samples were bulked to a specific volume with deionized water and then aspirated into an atomic absorption spectrophotometer. Calibration of the spectrophotometer is done by preparation of silver and copper standard solutions daily.

¹Garnett, T.A., Preliminary Geological Map of Part of the Hogen Batholith, Duckling Creek Area; B.C. Department of Mines Map No. 9.

Results

No cumulative frequency versus metal content statistical treatment was done on the data because of the limited number of samples. Previously cumulative frequency statistical treatment was done on soil samples collected south and west of the Amp 8 and 10, and north of the Amp 12 and 13 claims². Here three distinct copper populations were defined. Values below 75 ppm were caused by syenite, values from 85 to 230 ppm were represented by biotite and pyroxene-rich diorites and monzodiorite and related hybrid rocks and/or weak copper mineralization. Copper values in excess of 230 ppm were associated with copper mineralization.

The 75 ppm copper contour has been plotted on Figure 2 to illustrate possible anomalous areas. On the Amp 8, 9, and 11 claims a low order and spotty anomalous pattern is present. On the Amp 12 and 13 claims an anomalous pattern straddles the common boundary of the claims and trends north. This anomalous zone is some 1200 feet long and 200-800 feet wide.

Most silver values are below 0.5 ppm. Those values >0.5 ppm are considered anomalous and these values are associated with anomalous copper values.

CONCLUSIONS AND RECOMMENDATIONS

A northerly trending anomalous copper zone some 1200 feet long and 200-800 feet wide has been defined on the Amp 12 and 13 claims. Part of the anomalous response is probably caused by weak copper mineralization.

The anomalous area should be prospected and mapped to ascertain its cause.

Respectfully submitted,

Alfred A. Burgoyne

Alfred A. Burgoyne, P.Eng.

²Assessment Report on Ground Magnetic, Geochemical Soil Sampling, and Geological Mapping: Mineral Claims Rem 1 to 58, 63 to 72, 74, 76, 78 to 88, Amp 1 to 7; by Alfred A. Burgoyne, P.Eng., and Andre M. Pauwels, B.Sc., for Union Miniere Explorations and Mining Corporation Limited, November 27, 1973.

APPENDIX I

Statement of Costs for Geochemical Soil Survey and Line Placement for
Copper and Silver on Amp 8-11 Mineral Claims.

Labour - Field Costs

R. Warner, July 9, 10, 11, 1974 @ \$26/day	\$ 78.00
A. Pauwels, July 9, 11, 1974 @ \$59/day	\$118.00

Personnel Maintenance

5 man days @ \$15/day	\$ 75.00
-----------------------	----------

Helicopter Transportation

Hughes-500 - 2 hours @ \$200/hour	\$400.00
-----------------------------------	----------

Office (reports and drafting)

A. Pauwels, 1 day @ \$59/day	\$ 59.00
A. Buroyne, 1/2 day @ \$40	\$ 40.00

Analytical Costs

98 soil samples analysed for copper and silver @ \$1.40/sample	\$137.20
---	----------

Miscellaneous Costs

(Sample Bags, Flagging)	\$ 18.80
-------------------------	----------

Declared before me at the *City*
of *Daan Creek*, in the
Province of British Columbia, this *30*
day of *August 1974*, A.D.

Alfred A. Buroyne

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

Sub-mining Recorder

APPENDIX II

Statement of Costs for Geochemical Soil Survey and Line Placement for Copper and Silver on Amp 12-13 Mineral Claims.

Labour - Field Costs

R. Warner, August 12 and 17 @ \$26/day	\$ 52.00
A. Pauwels, August 17 @ \$59/day	\$ 59.00

Personnel Maintenance

3 man days @ \$15/day	\$ 45.00
-----------------------	----------

Helicopter Transportation

Hughes-500 - 1 hour @ \$200/hour	\$200.00
----------------------------------	----------

Office (reports and drafting)

A. Burgoyne, 1 day @ \$80/day	\$ 80.00
-------------------------------	----------

Analytical Costs

42 soil samples analysed for copper and silver @ \$1.40/sample	\$ 58.80
--	----------

Miscellaneous Costs

\$ 21.20

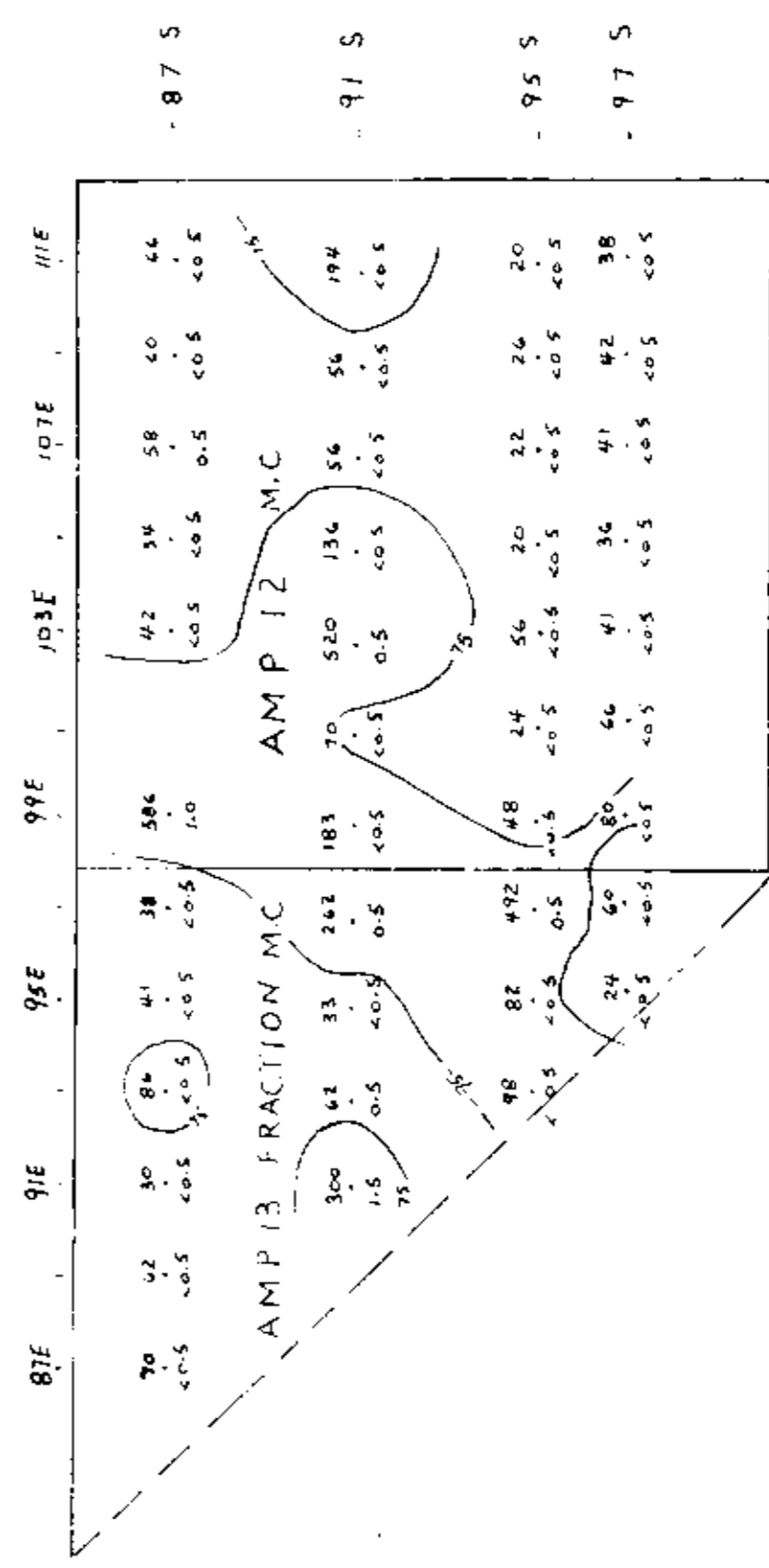
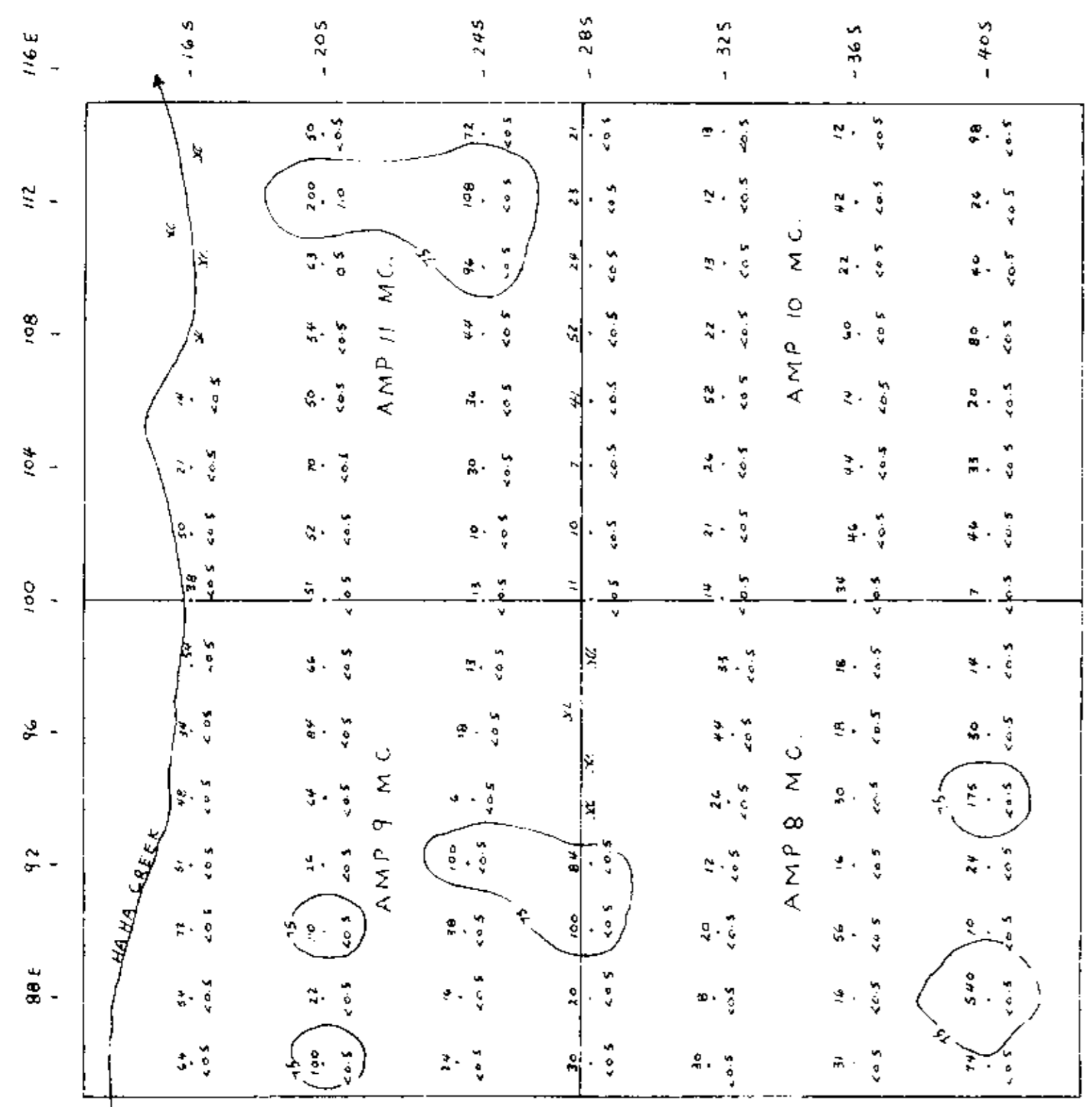
\$516.00

Declared before me at the City
of Nanaimo, in the
Province of British Columbia, this 30
day of August 1974, A.D.

Alfred A. Burgoyne

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

Sub-mining Recorder



5130
M2

LEGEND

- 64 0.5 B soil sample location with copper values in parts per million above sample location; silver values are below sample location and are in ppm
- swamp
- 75 75 ppm copper contour

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5130 MAP #2

FIGURE 2

AMP MINERAL CLAIMS (8-13)
GEOCHEMICAL SOIL SURVEY
B SOIL HORIZON
for
COPPER AND SILVER

Scale: 0 100 200 feet

UMEX CORPORATION LTD.

DRAWN BY: _____ DATE: _____ SURVEYED BY: _____ DWG No

To accompany Assessment Report on Geochemical Soil Survey on Amp 8-13 Mineral Claims, dated August 30, 1974 by Alfred A. Burgoyne, P.Eng.

Alfred A. Burgoyne