

ARCHER, CATHRO  
AND ASSOCIATES LTD.  
CONSULTING GEOLOGICAL ENGINEERS



BENTALL CENTRE, VANCOUVER, B.C. 688-3022 X 2522 X 362X

2568

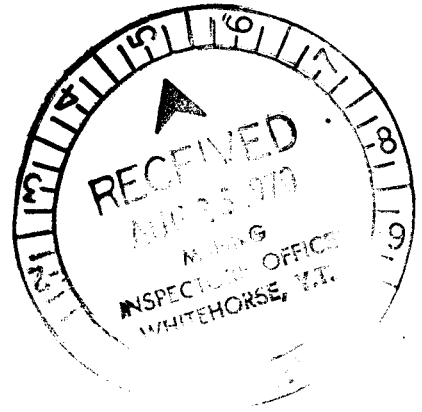
Post Office Box 1708  
WHITEHORSE, Y.T.

GEOCHEMICAL SAMPLING

and

PRELIMINARY GEOLOGY

ZAPPA CLAIMS  
COFFEE CREEK AREA  
WHITEHORSE MINING DISTRICT  
Claim Sheet 115-J-10



August 12 - 26, 1969

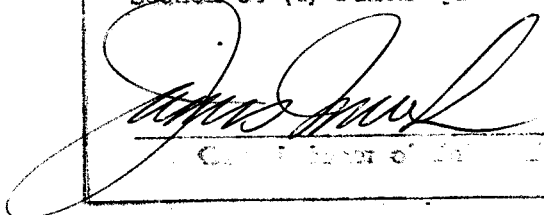
DAWSON RANGE JOINT VENTURE

This report has been examined by the Geological Evaluation Unit and is recommended to the Committee to be considered as representation work for the amount of \$7780.

  
Resident Mining Engineer

R.J. Cathro, P. Eng.

August 10, 1970 Considered as representation work under Section 50 (4) Yukon Quartz Mining Act.

  
Commissioner of the Territory

## INTRODUCTION

The Zappa claims were staked on August 3 by Archer, Cathro & Associates Ltd. on behalf of the Dawson Range Joint Venture (DRJV), comprised of Straus Exploration, Trojan Consolidated Mines, Great Plains Development Col of Canada, and Molybdenum Corp. of America. They cover a geochemical anomaly that was discovered by regional reconnaissance silt sampling carried out in June and July, 1969. During August, a preliminary program of prospecting, geological mapping and soil sampling was conducted. The crew was based at the nearby Hayes Creek property of DRJV and travelled by helicopter to the Zappa claims. The claims, which are all registered in the name of Archer, Cathro, are:

	<u>Grant No</u>	<u>Expiry</u>
Zappa 1-8	Y36190 - Y36197	August 12, 1970

## HISTORY, LOCATION & ACCESS

This is believed to be a new prospect and there is no record or evidence of previous work. The claims lie at the headwaters of the east tributary of Coffee Creek, at 62°45'N, 138°57'W, about five miles west of the Casino deposit. The property is only accessible by helicopter. The claims are within claim sheet 115-J-10.

## 1969 EXPLORATION

A small preliminary program consisting of grid linecutting, soil sampling and prospecting was conducted. The anomalous silt response for copper and molybdenum was found to be caused by a small, moderately altered, granitic outcrop in the creek. Sulfides present consist of 3-5% pyrite and occasional disseminated grains of chalcopyrite and molybdenite.

The remainder of the property is overburden covered and most of the rock float in the overburden consists of large, resistant blocks of granodiorite talus which have travelled several thousand feet from outcrops to the east, off the claims. Slopes are relatively gentle and vegetation consists of thin brush and heavy moss. Soil is fairly well developed.

The claims were soil sampled on a 500 foot grid and were

analyzed at Chemex Labs, North Vancouver, for copper and molybdenum and lead. The results are shown on Figures 1, 2 and 3.

Molybdenum values were quite erratic and the contour interval chosen encloses a general area of response. Copper anomalies are also randomly distributed. Lead showed no anomalous patterns. The only area which showed response in both copper and molybdenum is centered on the baseline near crossline 4W. An area about 3000 feet long and 1200 feet wide containing erratic molybdenum values extends northeast from the interesting creek outcrops and may indicate the extension.

#### RECOMMENDATIONS

A limited follow-up program of magnetic and IP surveys, and bulldozer trenching is recommended to determine if a zone of more intense alteration or mineralization can be found. This prospect is situated fairly close to Casino and would be of more interest if rocks could be found which more closely resemble those on Patton Hill.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES LTD.



R.J. Cathro

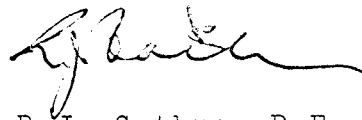
ARCHER, CATHRO  
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2560  
BENTALL CENTRE, VANCOUVER, B.C. 688-3022 (01) 522-1562

POST OFFICE BOX 1708  
WHITEHORSE, Y.T.

AFFIDAVIT


I, Robert J. Cathro, with business address at Box 1708, Whitehorse, Y.T., hereby declare that, to the best of my knowledge and belief, the attached statement of expenditures is a fair and accurate representation of the cost of exploration on the Zappa 1-8 claims, claim sheet 115-J-10, since August 12, 1969.



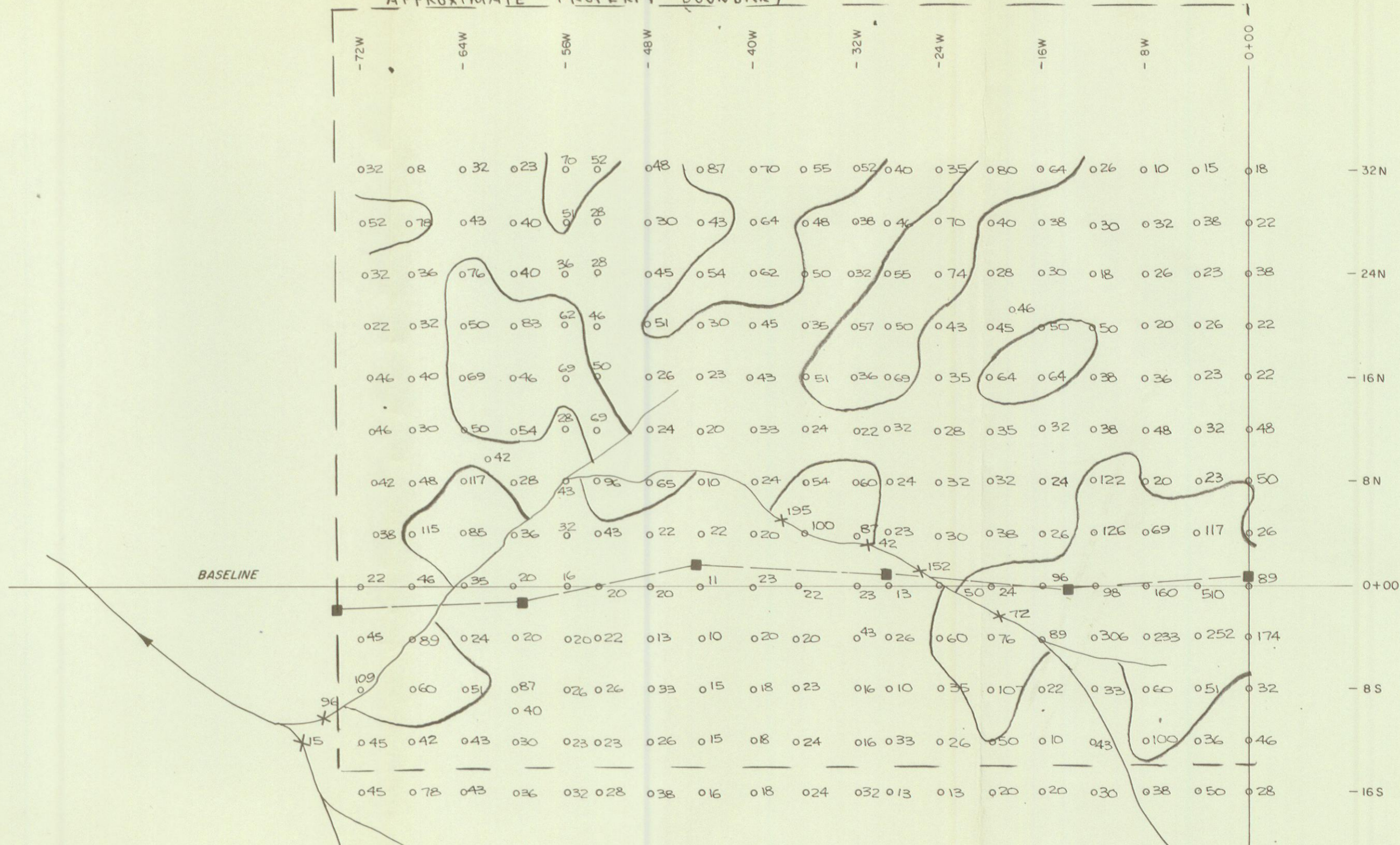
R.J. Cathro, P.Eng.

ARCHER, CATHRO & ASSOCIATES LTD.

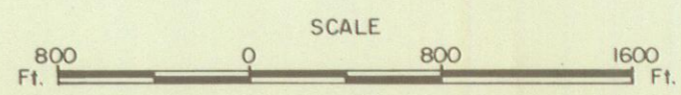
Signed before me at  
Whitehorse this 11th day  
of August, 1970:

  
\_\_\_\_\_  
Notary for Yukon

APPROXIMATE PROPERTY BOUNDARY



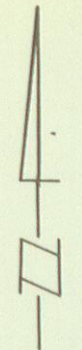
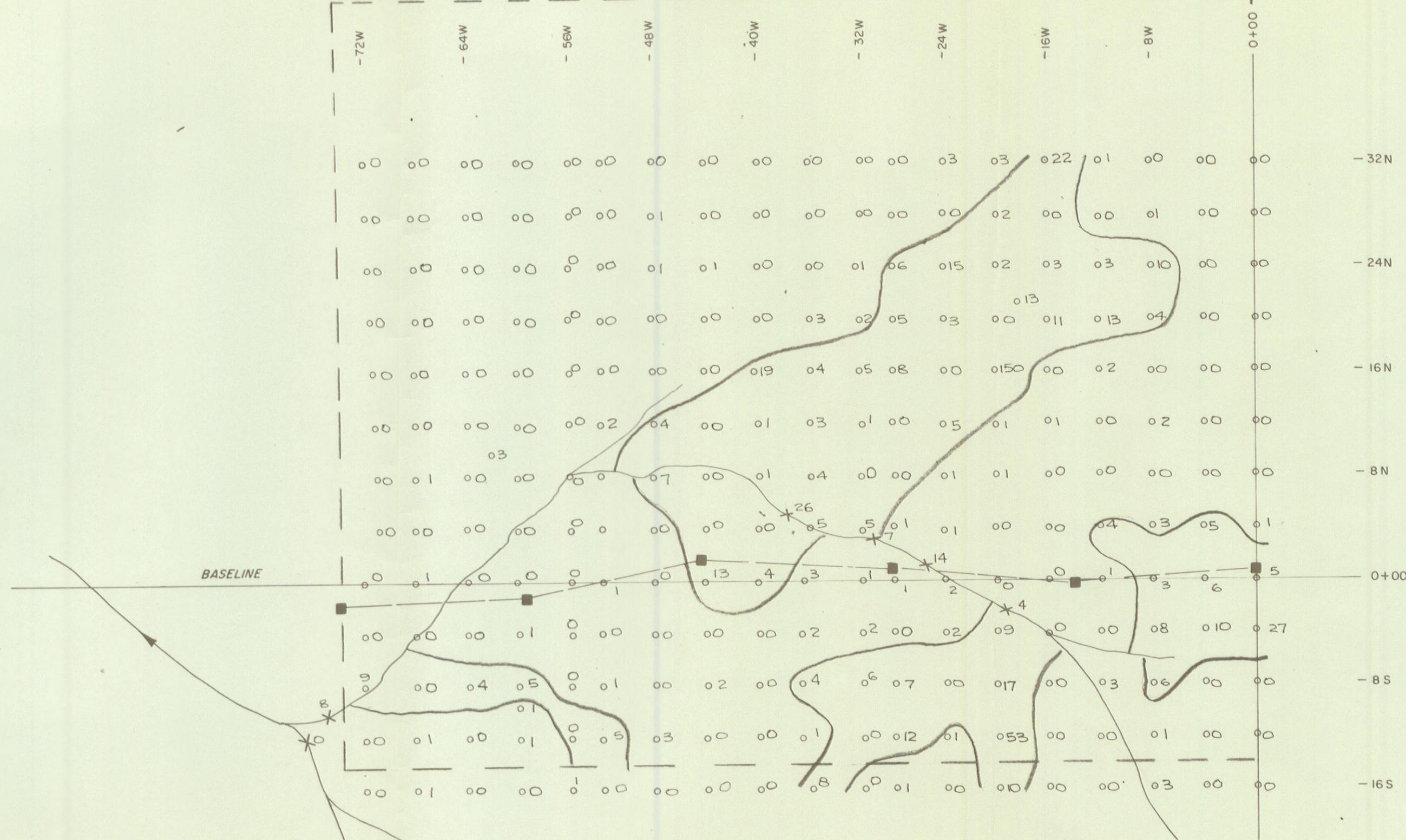
- CLAIM POST
- SOIL
- × SILT



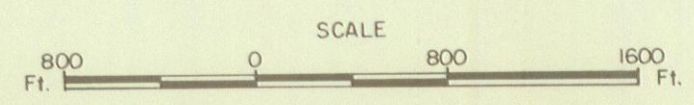
COPPER

Geochemical Survey EAST COFFEE CREEK AREA DAWSON RANGE SYNDICATE, Y.T.	
ARCHER & CATHRO Consulting Geological Engineers	
DATE	Sept., 1969
DRAWN	<i>[Signature]</i>
SCALE	1" = 800'
DWG. No. <i>1</i>	

APPROXIMATE PROPERTY BOUNDARY



- CLAIM POST
- SOIL
- X SILT



MOLYBDENUM

Geochemical Survey EAST COFFEE CREEK AREA DAWSON RANGE SYNDICATE, Y.T.	
ARCHER & CATHRO Consulting Geological Engineers	
DATE	Sept., 1969
DRAWN	<i>[Signature]</i>
SCALE	1" = 800'
DWG. No. 2	

