

#060214

**ARCHER, CATHRO
AND ASSOCIATES LTD.
CONSULTING GEOLOGICAL ENGINEERS**

BENTALL CENTRE, VANCOUVER, B.C. 688-3022 OR 522-1562

POST OFFICE BOX 1708
WHITEHORSE, Y.T.

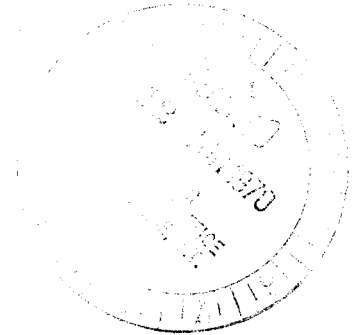
**GEOCHEMICAL SAMPLING
and
PRELIMINARY GEOLOGY**

**CROCK CLAIMS
SELWYN RIVER AREA
WHITEHORSE MINING DISTRICT
Claim Sheet 115-J-9**

August 12-26, 1969

DAWSON RANGE JOINT VENTURE

7010



R.J. Cathro, P.Eng.

April 15, 1970

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ ~~14,200.00~~ 7010.00

[Signature]

Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

[Signature]

Commissioner of Yukon Territory

INTRODUCTION

The Crock claims were staked on July 29 by Archer, Cathro & Associates Ltd. on behalf of the Dawson Range Joint Venture (DRJV), comprised of Straus Exploration, Trojan Consolidated Mines, Great Plains Development Co. 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 Crock claims. The claims, which are all registered in the name of Archer, Cathro, are:

	<u>Grant No.</u>	<u>Expiry</u>
Crock 1 - 24	Y 36198 - Y 36221	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 on the east side of Selwyn River at 62°33'N, 138°16'W, about nine miles southeast of Mt. Cockfield. The property is only accessible by helicopter. The claims are within claim sheet 115-J-9.

1969 EXPLORATION

Prospecting showed that outcrop is virtually absent and only a very preliminary idea of the bedrock geology was gained from examination of float in soil and creeks. A small stock of hornblende monzonite appears to underlie the claims, intruding quartz monzonite of the Klotassin Batholith. The stock has a chilled margin, near which disseminated chalcopyrite has been found. The property lies just above timberline and is thickly buckbrush covered. There is only poor soil development and most soil samples were collected from the "C" horizon. Samples were taken at 500 foot intervals on lines 1000 feet apart. The samples were analyzed at Chemex Labs, North Vancouver for copper, molybdenum and lead. The results are plotted on Figures 1, 2 and 3 respectively which accompany this report. The geochemical response from the soil was quite low.

RECOMMENDATIONS

This property should be given a low priority for 1970 and the only work which should be considered is trenching and mapping if a bulldozer is available nearby.

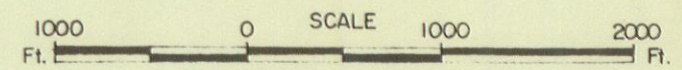
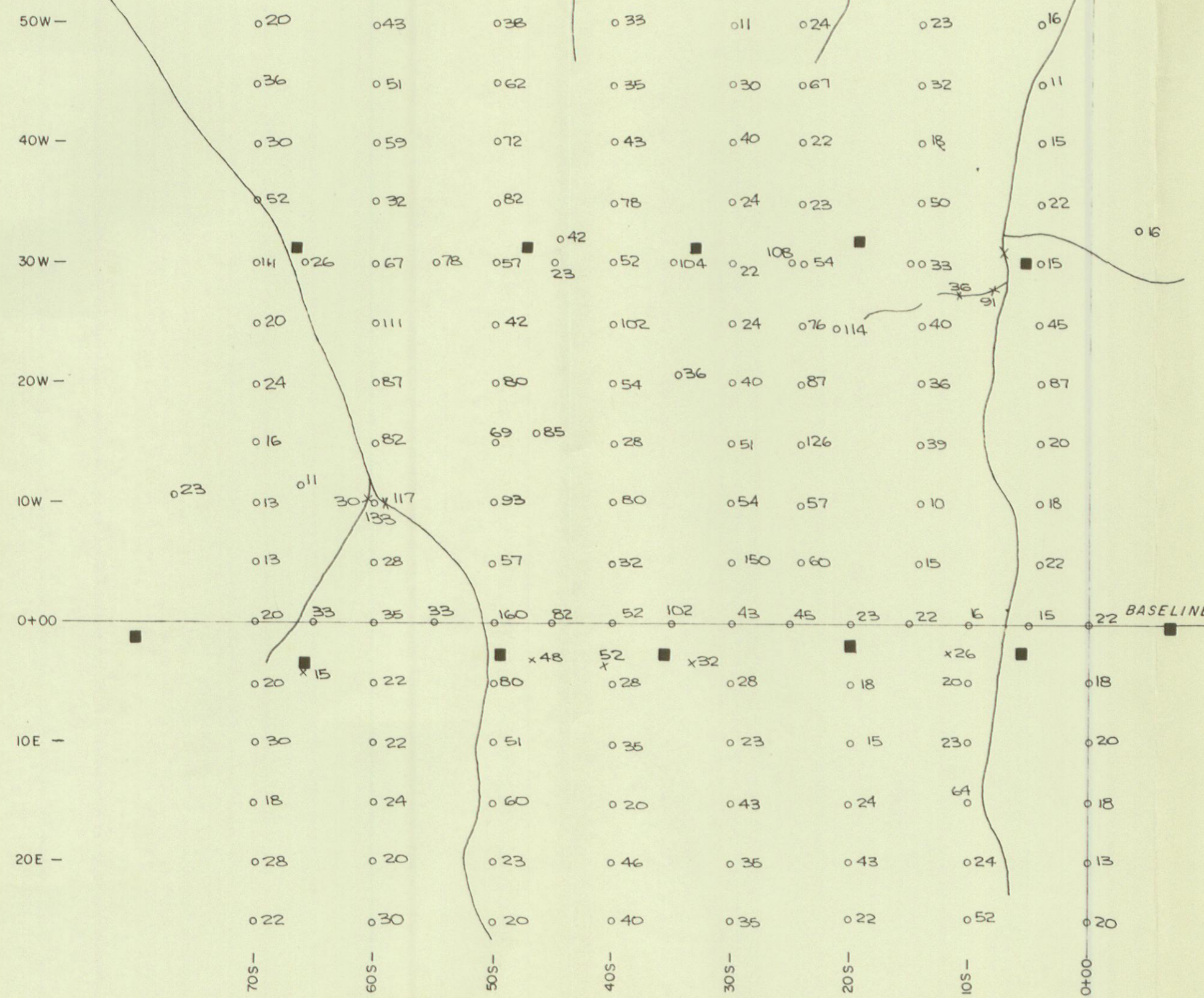
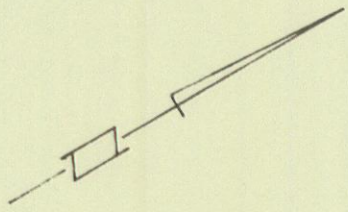
Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES LTD.



R.J. Cathro

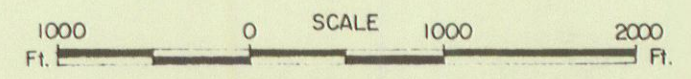
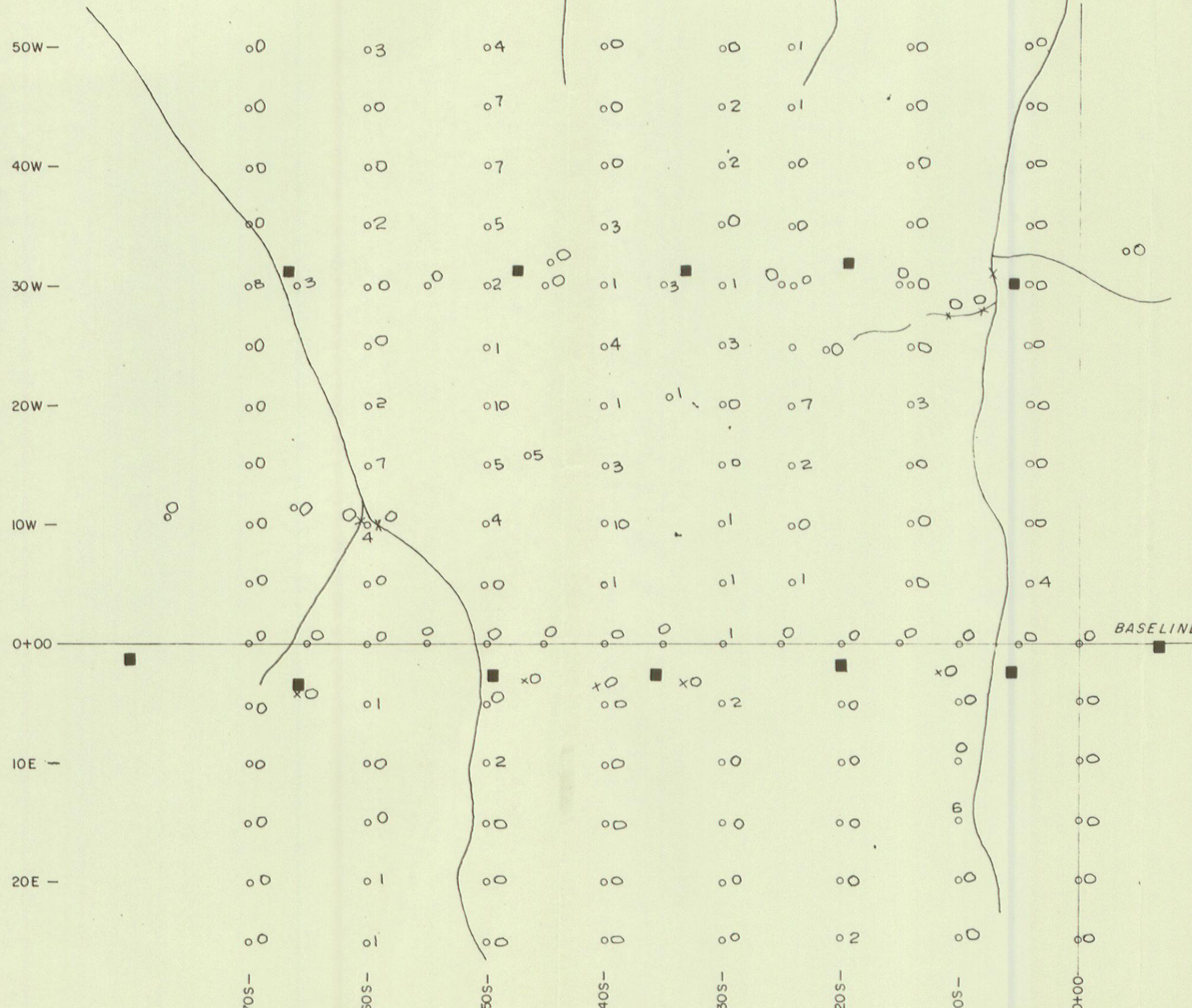
P. Eng.



COPPER

Geochemical Survey CROCK CLAIMS-SELWYN RIVER AREA DAWSON RANGE SYNDICATE, Y.T.		
ARCHER & CATHRO Consulting Geological Engineers		
DATE	Sept., 1969	DWG. No. /
DRAWN	<i>[Signature]</i>	
SCALE	1" = 1000'	

- CLAIM POST
- SOIL
- × SILT



MOLYBDENUM

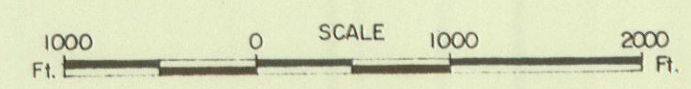
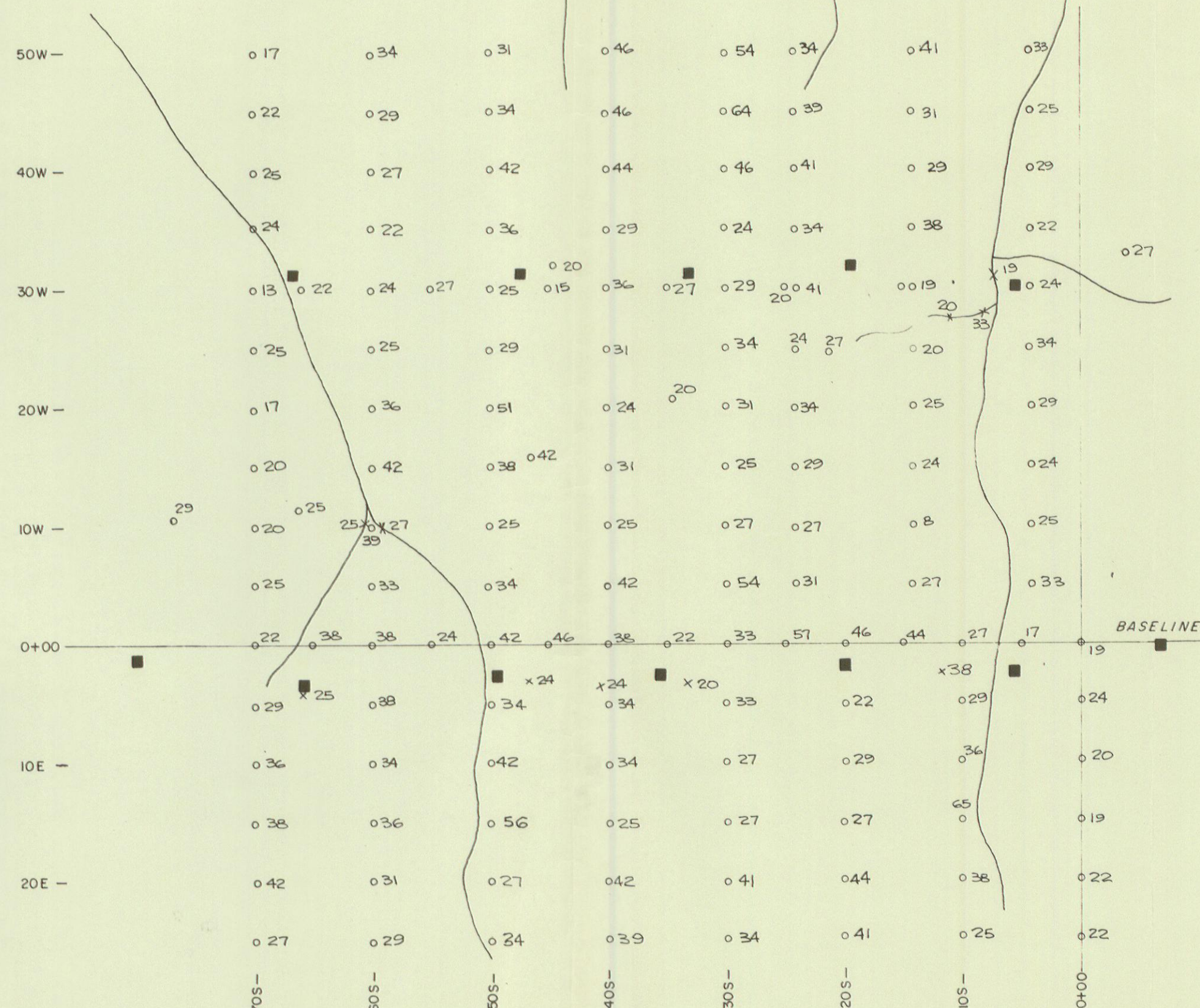
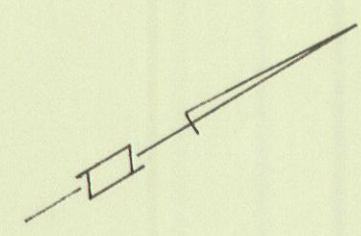
Geochemical Survey
CROCK CLAIMS-SELWYN RIVER AREA
DAWSON RANGE SYNDICATE, Y.T.

ARCHER & CATHRO
Consulting Geological Engineers

DATE	Sept., 1969
DRAWN	<i>[Signature]</i>
SCALE	1" = 1000'

DWG. No. 2

- CLAIM POST
- SOIL
- x SILT



LEAD

Geochemical Survey
 CROCK CLAIMS-SELWYN RIVER AREA
 DAWSON RANGE SYNDICATE, Y.T.

ARCHER & CATHRO
 Consulting Geological Engineers

DATE	Sept., 1969
DRAWN	<i>[Signature]</i>
SCALE	1" = 1000'

DWG. No. **3**

- CLAIM POST
- SOIL
- × SILT