

ASSESSMENT REPORTS

Whitehorse M.D.

MAP No. 115N/2 TYPE OF WORK: Geological, GEOCHEM

REPORT FILED UNDER	Canalta Resources Ltd.	090112
DATE PERFORMED	September, 1975	DATE FILED: July 8, 1976
LOCATION - LAT.	63°02'N	MOOSEHORN RANGE AREA, YUKON
LONG.	140°55'W	
CLAIM Nos.	TIP 1-14	
	Y98698-	
\$2,400.00		
WORK DONE BY	F. Holcapek, P. Eng.	
WORK DONE FOR	Canalta Resources Ltd.	
REMARKS	Soil sampling was conducted on the property in non-swampy areas, at intervals of 200 feet.	
	on lines 1,600 feet apart. Samples were analyzed	
	for arsenic and zinc. A number of anomalous	
	values were obtained, but no significant anomalies	

(over)

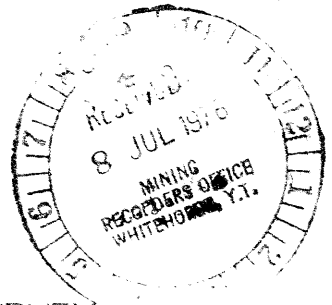
GEOLOGICAL REPORT ON THE PROPERTY OF  
CANALTA RESOURCES LTD.  
WHITEHORSE MINING DIVISION.

TIP 1-14 Mineral claims.

Situated near the Alaska border on N.T.S. 115 N/2  
in the Moosehorn Range, Whitehorse Mining District  
Yukon Territory.

63 02'N140 55'W.

Submitted by: Fred Holcapek P.Eng.  
Owner: CANALTA RESOURCES LTD. (N.P.L.)  
Work conducted for: CANALTA RESOURCES LTD. (N.P.L.)  
By: AGILIS ENGINEERING LTD.



REPORT ON THE GEOCHEMICAL SURVEY

on the

TIP 1-14 Mineral Claims

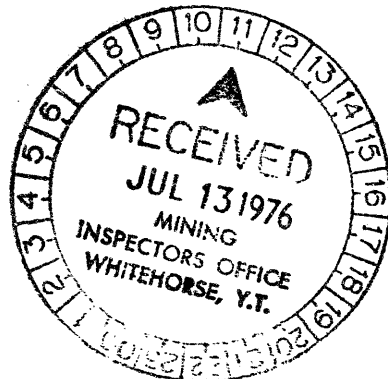
Whitehorse Mining Division, Yukon Territory

for

CANALTA RESOURCES LTD. (N.P.L.)

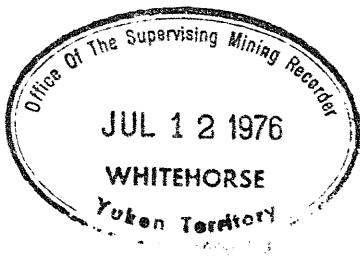
F. Holcapek, P. Eng.  
Consulting Geologist

Vancouver, B. C.



Rec'd  
July 23/76  
JH

090112



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 \$ 2400<sup>00</sup>

*W.D. Sinclair*

~~Resident Geologist or  
Resident Mining Engineer~~

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

B.R. BAXTER

~~Supervising Mining Recorder~~  
Commissioner of Yukon Territory

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# REPORT ON THE GEOCHEMICAL SURVEY

on the

TIP 1-14 Mineral Claims

Whitehorse Mining Division, Yukon Territory

for

CANALTA RESOURCES LTD. (N.P.L.)

## 1-00 INTRODUCTION:

### 1-10 Scope of report:

The purpose of this report is to summarize the results of the geochemical program completed during September 1975. The work was carried out to locate an extension of several gold bearing structures on the Dea mineral claims.

The program was executed and supervised by Agilis Engineering Ltd. The writer did not visit the subject property.

### 1-20 Property:

The property consists of the Tip 1-14 mineral claims located in the Moosehorn Range, Whitehorse Mining District. The claim group was recorded in Whitehorse on June 11, 1975 by J. W. Management.

## 2-00 GEOGRAPHY:

### 2-10 Location and Access:

The claim group is located at approximately  $63^{\circ} 02'$  north latitude, and  $140^{\circ} 50'$  west longitude in the western Yukon, near the Alaska border on N.T.S. 115 85/2,

Access to the property is from Whitehorse via the Alaska Highway to Beaver Creek at mile 1202, on the Alaska Highway, 285 miles northwest of Whitehorse, and from there by helicopter a distance of 50 miles to the property.

2-20 Topography and Vegetation:

The claim group lies along the south western slope of a north-western trending ridge. Topography is moderate with slopes steepening in the vicinity of creeks. Elevation ranges from 1500 feet in the valley of the Ladang River to the northeast of the property, to a maximum of 6,400 feet within the highest mountain ridges in the area. The merline throughout the area is approximately 4,000 feet. Vegetation consists of spruce and jackpine below the 4,000 foot elevation level and dwarf birch, mosses and occasional scrub spruce above the 4,000 foot level. Extensive swampy areas occur throughout the claim group.

3-00 GEOLOGY:

3-10 General Geology:

The area has been mapped by the Geological Survey of Canada, by Templeman - 1947, and the data available on open file #161, Geology of Yukon, 1150 and 1151/2. In the vicinity of the claim group the area is underlain by Triassic and Cretaceous hornblende granodiorites and monzonites intruding late Proterozoic gneiss and schists as well as early Paleozoic granodiorites.

The claims lie within the unglaciated portion of the Yukon Terrane hence outcrops are sparse.

3-20 Mineralization:

The mineralization on claims to the north of the subject area consists of free gold associated with arsenopyrite, galena, sphalerite in quartz veins trending N60°W and dip at 35° to the south.

The width of the vein structures are narrow, less than 3 feet. Assays reported are from float or grab samples, believed to be close to in place and assay from 0.27 oz to 61.98 oz/ton in gold.

Geochemical and electromagnetic surveys completed on the claim property to the north of the Tip claim group showed that both methods are applicable to locate possible gold bearing vein structures.

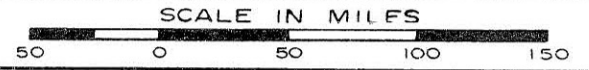


# YUKON TERRITORY

CANALTA RESOURCES LTD.

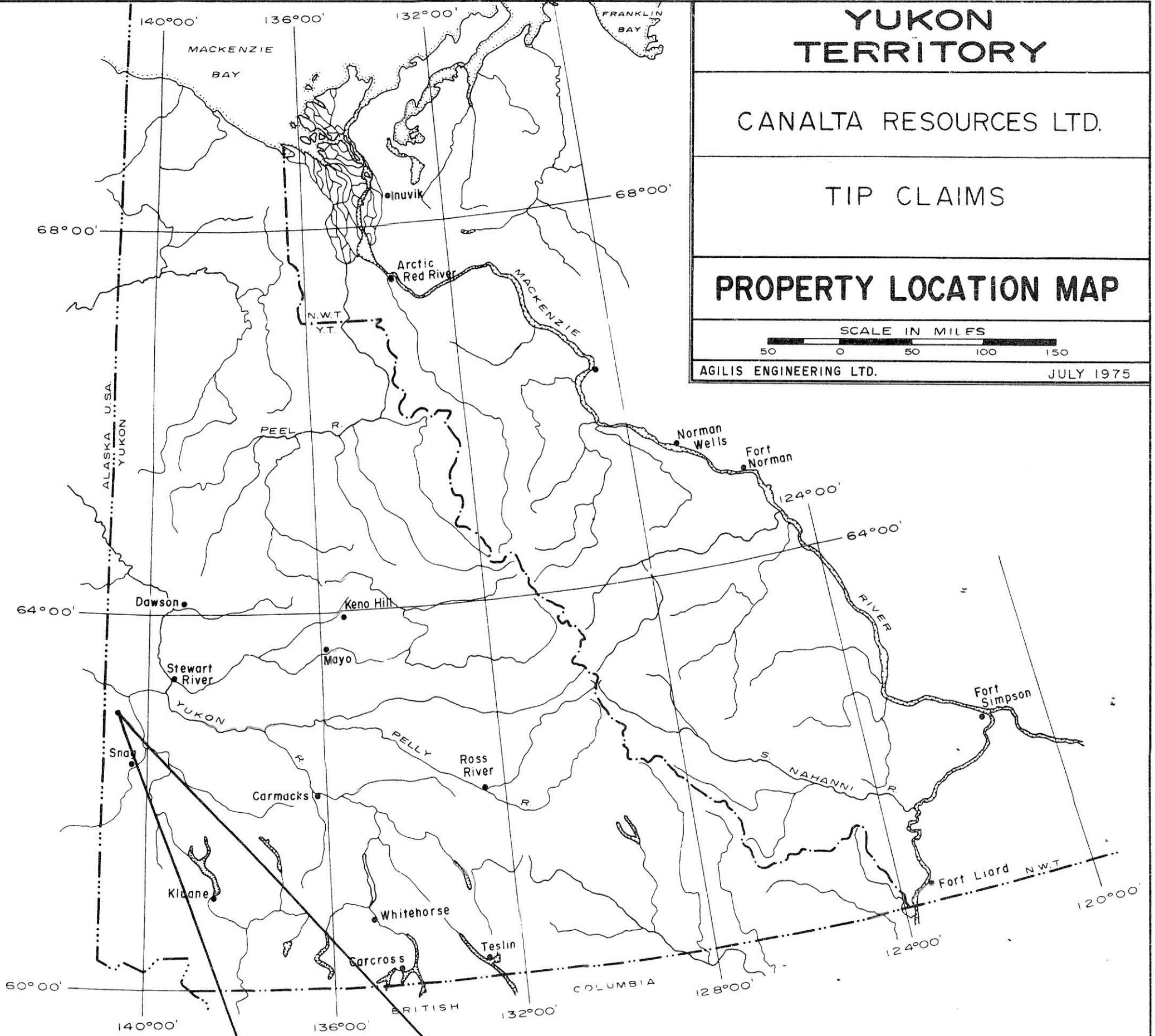
TIP CLAIMS

## PROPERTY LOCATION MAP

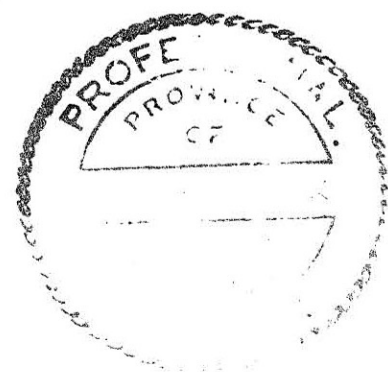
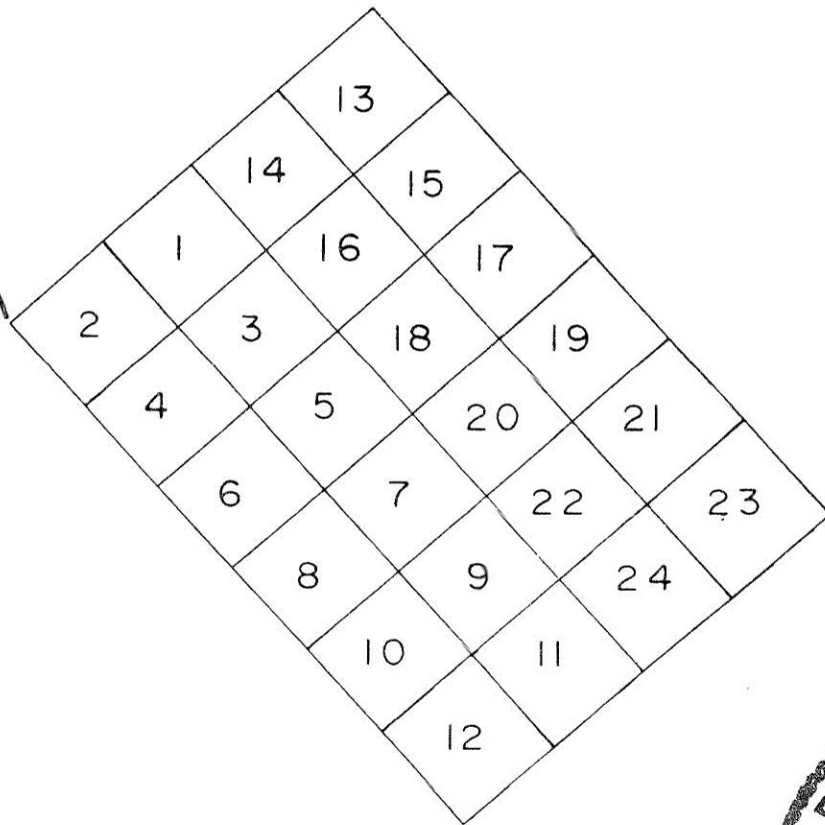


AGILIS ENGINEERING LTD.

JULY 1975



SCALE: 1" = 1/2 mile



4-00 HISTORY:

During May 1972 Mr. A. Harman and R. S. Adamson located the Dea mineral claims to cover an area of gold carrying float materials. A limited amount of hand trenching to explore the area of mineralized float was initiated. Later in 1974 a geochemical and geophysical survey were completed over the claim group. Following the announcement of the results, numerous mineral claims have been located in the area. Assays of up to 20 oz/ton of gold have been reported from the Dea claims.

On the adjoining property of Claymore Resources Ltd. similar gold mineralization has been found.

The Tip 1-24 mineral claims were located in June 1975.

5-00 GEOCHEMICAL SURVEY:

5-10 Introduction:

The purpose of the survey was to discover areas of zinc and arsenic mineralization. Gold could be expected to occur with this mineralization. The survey was conducted over a 1500 ft. x 200 ft. grid. A total of 125 samples were taken. Swampy areas were not sampled. The soils were well developed and the 10' horizon was sampled. Sample depths were generally 6 inches to 1 foot. Samples were taken with a mattock and placed in a kraft paper bag by hand. All samples were assayed for arsenic and zinc.

5-20 Analysis:

All soil samples were shipped to Chemex Labs Ltd, 212 Brooksbury Avenue, North Vancouver, B. C. See appendix for analytical techniques.

5-30 Results:

5-31 Arsenic:

The arsenic values were statistically analyzed by plotting cumulative percent frequency on arithmetic probability graph paper.

-+

The parameters obtained are:

Range	1 ppm-20 ppm
Background	6 ppm
Mixed Zone	7 ppm-14 ppm
Anomalous	15 ppm

Four samples were anomalous. The anomalous sites are:

<u>Location</u>	<u>Value (ppm)</u>
L 56 N 28 E	15
L 40 N 03 E	20
L 8 S 24 E	18
L 24 E 13	19

6-82 Zinc:

The zinc values were also statistically analysed by plotting cumulative percent frequency on arithmetic probability graph paper. The parameters obtained are:

Range	18 ppm-98 ppm
Background	6 ppm
Mixed Zone	41 ppm-70 ppm
Anomalous	71 ppm

Seven samples were considered anomalous. The anomalous sites are:

<u>Location</u>	<u>Value (ppm)</u>
L 24 N 40 E	72
L 24 N 34 E	98
L 24 N 32 E	72
L 8 N 26 E	75
L 8 S 6 E	80
L 24 S 14 W	88

6-00 INTERPRETATION:

None of the zinc and arsenic geochemical anomalies coincided. The arsenic anomalies showed a random distribution and are not considered significantly high. The only concentration of zinc

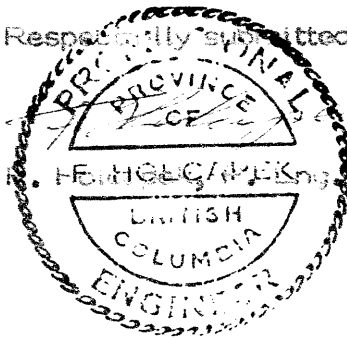
anomalies was a L 24 N between 62 E and 40 E. The values are not considered high enough to be significant. The rest of the zinc anomalies showed a random distribution.

7-00 CONCLUSIONS:

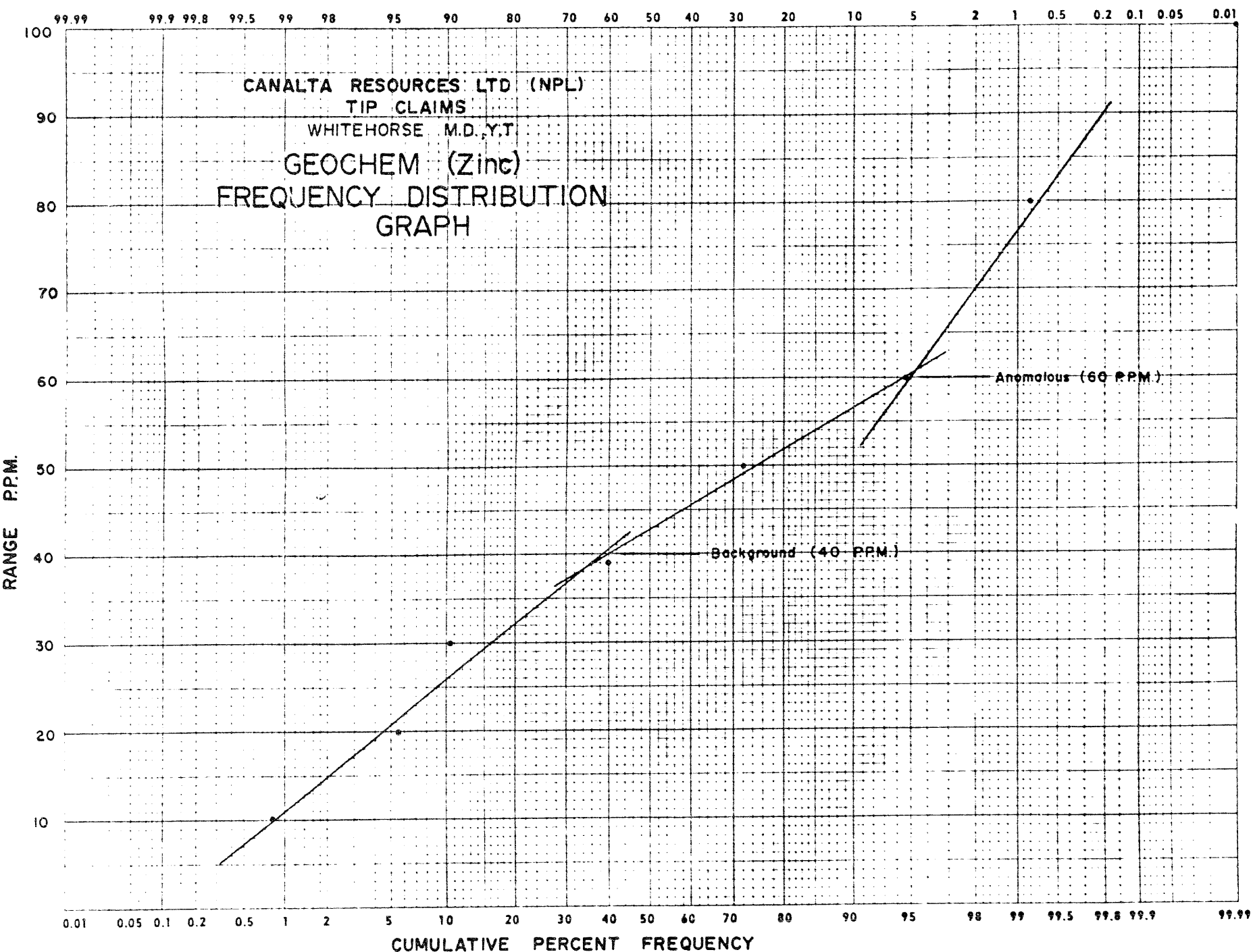
This exploration program failed to locate any area of economic interest.

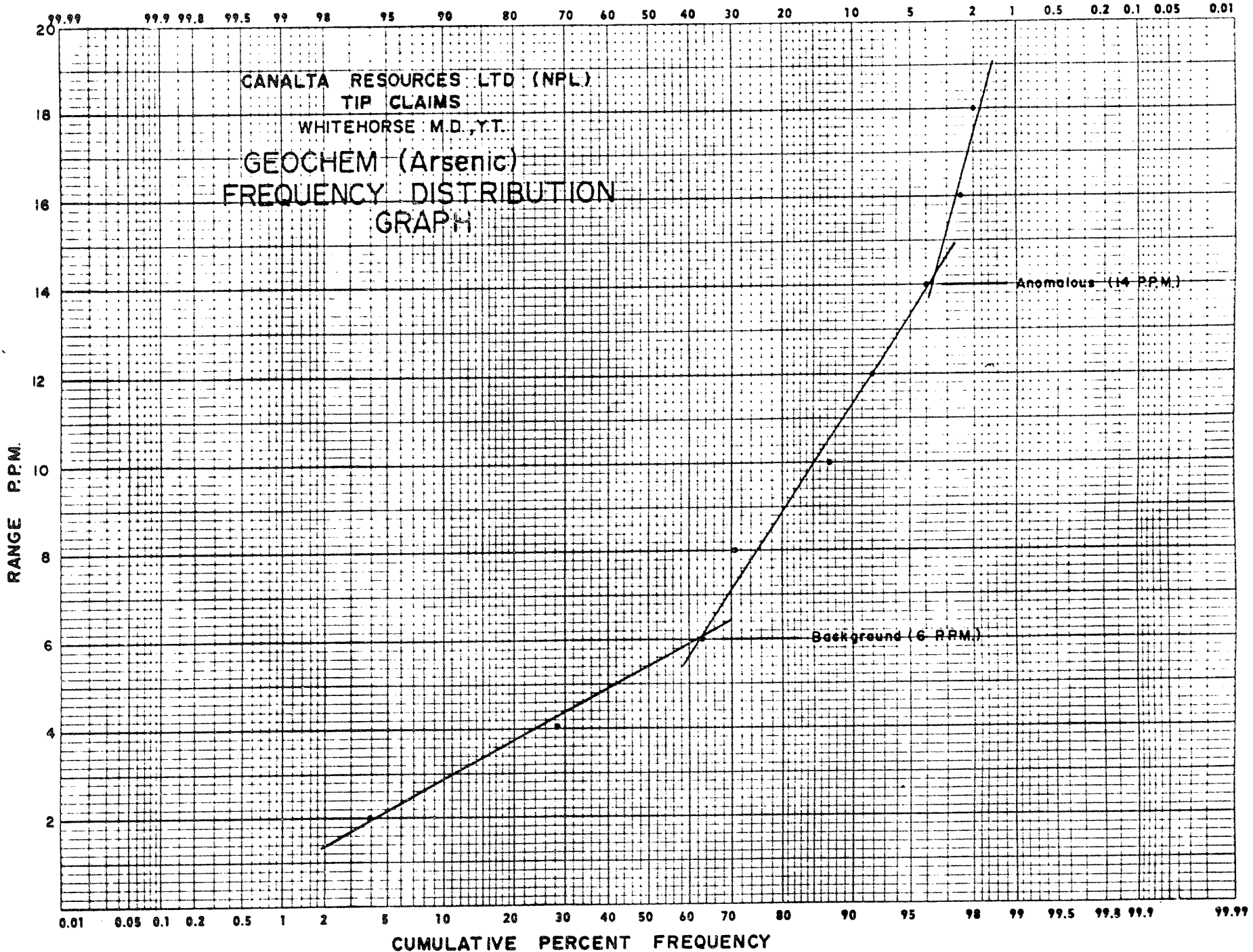
The property does not warrant further expenditures.

Respectfully submitted



Vancouver, B.C.







NOTE:  
 The rock units listed  
 in this map were mapped  
 in 1975.

CANALTA RESOURCES LTD (NPL)  
 TIP & RON CLAIM GROUP

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GEOSCHEM: OH, ARSENOIC in ppm.

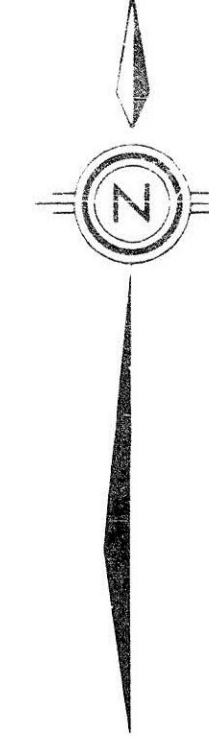
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scale 1 inch = 400 feet

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AGILIS ENGINEERING      OCTOBER 1975

- ⊕ Area of white float
- ⊙ Area of blue float
- ⊠ Marked stations
- ⊕ Soil sample station



NOTES  
No rock outcrops noted  
Tip claims staked 6/6/75  
Ron claims staked 5/6/75

CANALTA RESOURCES LTD. (NPL)  
TIP & RON CLAIM GROUP

GEOCHEM FOR ZINC in ppm

scale 1 inch = 400 feet

LEGEND

- Swamp
- area of b-type foot
- area of a-type foot
- Claim boundary
- Marker stations
- Outcrop station