

ASSESSMENT REPORTS

Whitehorse M.D.

MAP No. 115N/2 TYPE OF WORK: Geochemical Survey

REPORT FILED UNDER	Citlec Minerals Ltd.	090109
DATE PERFORMED	September 1975	DATE FILED: June 21, 1976
LOCATION - LAT.	63°02'N	Moosehorn Range area, Yukon.
LONG.	140°55'W	
CLAIM Nos.	Kid 1-4, 29-33, Boy 1-32	
\$4,000.00	Y98745-8, Y98773-76, Y98777-92, =1-16, Y98793-308	
WORK DONE BY	F. Holcapek, P. Engineer. Agilis Engineering Ltd.	
WORK DONE FOR	Citlec Minerals Ltd.	
REMARKS	The property was soil sampled at intervals of 200 feet on lines 1,600 ft. apart, in non-swampy areas. Samples were analyzed for arsenic and copper. One arsenic anomaly was outlined.	



REPORT ON THE GEOCHEMICAL SURVEY

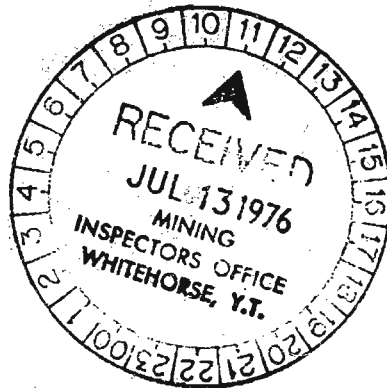
This report has been examined by the
Geological Survey of Canada and is
submitted to the Commission of the
Government of Yukon Territory to be
filed in the files of the Mining
Division and EOY Mineral Claims

Whitehorse Mining Division, Yukon Territory

for the purpose of establishing a
mineral claim in the Yukon Territory

CITILEC MINERALS LTD.

Commission of Yukon Territory



Vancouver, B. C.

F. Holcapek, P. Eng.
Consulting Engineer

096/09



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

\$ 4000⁰⁰

W.D. Sinclair

~~of Resident Geologist or
Resident Mining Engineer~~

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

B.R. Baxter
B.R. BAXTER
Supervising Mining Recorder

[Signature]
Commissioner of Yukon Territory



REPORT ON THE GEOCHEMICAL SURVEY

on the

KID and BOY Mineral Claims

Whitehorse Mining Division, Yukon Territory

for

CITILEC MINERALS LTD.

1-00 INTRODUCTION:

1-10 Scope of Report

During September, 1975, a geochemical survey was completed on the claim group to check the mineral potential.

During the course of the survey it was found that a large portion of the property was swampy.

The program was executed by Agilis Engineering under the Supervision of the writer.

This report summarizes the results obtained.

1-20 Property

The property consists of the following mineral claims located in the Moosehorn Range, Whitehorse Mining Division:

<u>Claim</u>	<u>Record Number</u>
Kid 1-4	Y98748 - 48
Kid 29-33	Y98776 - 76
Boy 1-32	Y98777 - 98806

2-00 GEOGRAPHY:

2-10 Location and Access:

The claim group is located at approximately 63° 02' north latitude, and 140° 55' west longitude in the western Yukon, near the Alaska border on N.T.S. 115 N/2. Access to the property is from Whitehorse via the Alaska Highway to Beaver Creek at mile 1202, on the Alaska Highway, 85 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 southwestern slope of a northwestern trending ridge. Topography is moderated with slopes steepening in vicinity of creeks. Elevation ranges from 1500 feet in the valley of the Ladue River to the northeast of the property to a maximum of 5,200 feet within the highest mountain ridges in the area. Timberline 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.

3-00 HISTORY:

During May 1972 Mr. A. Hannan and R. S. Adamson located the Dea mineral claims in the area to cover the discovery of high grade gold carrying float material.

A limited amount of hand trenching to explore the area of mineralized float was initiated. Late in 1974 a geochemical and geophysical survey was completed over the claim group. Following the announcement of the results, numerous mineral claims have been located in the area. Assays of up to 10 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 Kid and Eoy mineral claims have been located in June 1975.

4-00 GEOLOGY:

4-10 General Geology:

The area has been mapped by the Geological Survey of Canada, by Templeman - Hult, and the data is available on open file #161, Geology N.T.S. 115 D and NE 1/2.

In vicinity of the claim group the area is underlain by Triassic and Cretaceous hornblende granodiorites and monzonites intruding late Proterozoic gneisses and schists as well as early Paleozoic granodiorites.

The claims lie within the unglaciated portion of the Yukon Territory, hence outcrops are sparse and geological information is limited.

4-20 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 N 30° W and dip at 35° to the south.

The width of the vein structures is not known. Assays reported are from float or grab samples, believed to be close to in place and assay from 0.27 oz to 81.98 oz/ton in gold.

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

The possibility of locating similar mineralization on the property exists.

5-00 GEOCHEMICAL SURVEY:

The purpose of the geochemical survey was to outline areas of sulfide potential, or gold. On the neighboring Cea mineral claims it was found that quartz veins cut granitic intrusives carrying minor lead, zinc and copper sulfide and free gold.

5-10 Field Procedure:

Soil samples were collected with a mattock on a 1500 by 200 foot grid, placed in a kraft paper bag and core was taken to sample residual soil directly underlying the organic horizon (E horizon). At each sample location information regarding soil type, stone sample depth and vegetation was recorded. No samples were taken in swampy areas. Sample depth was 6" to 1'.

5-20 Analysis:

The samples were shipped to Cherrax Laboratories Ltd. All samples were tested for arsenic, copper and zinc by spectographic analysis and values recorded in parts per million.

5-30 Interpretation of Results:

The background value for arsenic, copper and zinc was established by statistical analysis. The values were grouped at 10 parts per million intervals, the percent frequency were calculated and plotted on arithmetic probability paper. From the plotted data the range of background, mixed zone and anomalous zone was read.

5-31 Arsenic

From the plotted data the following parameters were obtained:

		# of Samples
Range	1 ppm - 500 ppm	75 samples
Background	45.5 ppm -	72 samples
Mixed Zone	48.5 ppm - 70 ppm	0
Anomalous	70. ppm +	7 samples

From the distribution it becomes apparent that a definite break exists between 50 ppm and 71 ppm outlining two distinct populations; but the distribution is confined to one line only:

<u>Location</u>	<u>Value Arsenic (ppm)</u>
L 56 W 5 L O	300
25	30
45	180
65	200
165	300
225	80
L 24 W 2 25	60

5-32 Copper

The values for copper lie all within background range and hence are not significant.

6-00 CONCLUSIONS:

The geochemical survey outlined one interesting arsenic anomaly. The presence of large swampy areas does not allow follow-up geochemical sampling.

No copper anomalies are indicated.

7-00 RECOMMENDATION:

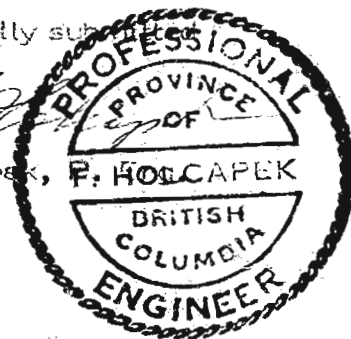
The indicated arsenic anomaly is not significant enough to warrant further expenditure at this time.

It is recommended to hold the property and await further development in the area before committing additional funds for further exploration.

Respectfully submitted,

F. Holcapek
F. Holcapek, P. ENG'G

Vancouver, B. C.



Appendix

Statistical Tables

Arsenic (ppm)

Copper (ppm)

STATISTICAL TABLE

(Arsenic ppm)

<u>INTERVAL</u>	<u># SAMPLES</u>	<u>% TOTAL</u>	<u>ACCUMULATED %</u>
0-10	49	62.03	62.03
11-20	17	21.52	83.55
21-30	4	5.06	88.61
31-40	1	1.27	89.88
41-50	1	1.27	91.15
51-60	0	0	91.15
61-70	0	0	91.15
71-80	2	2.53	93.68
81-90	1	1.27	94.95
91-	4	5.06	100.01
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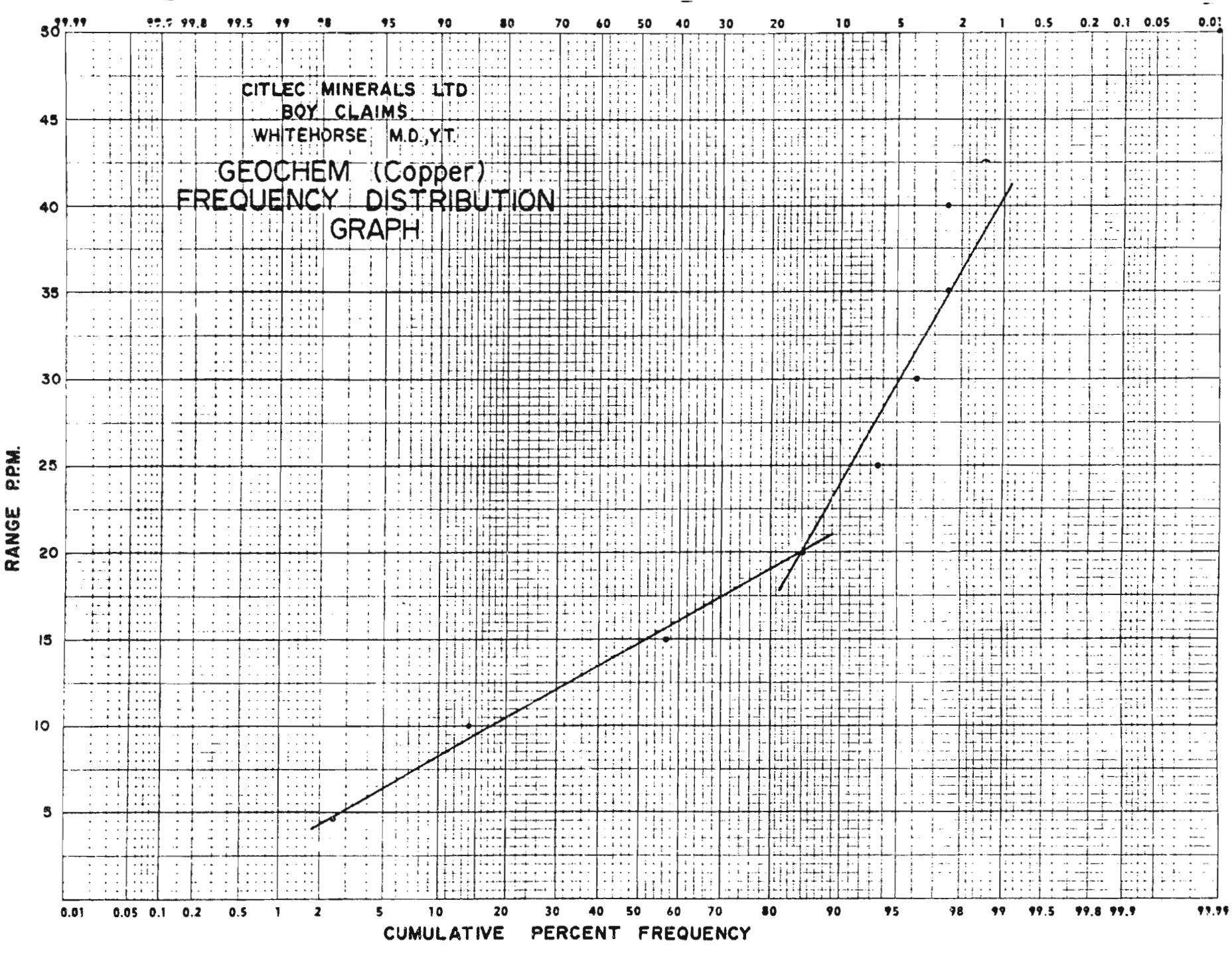
Circle - Eoy Claims

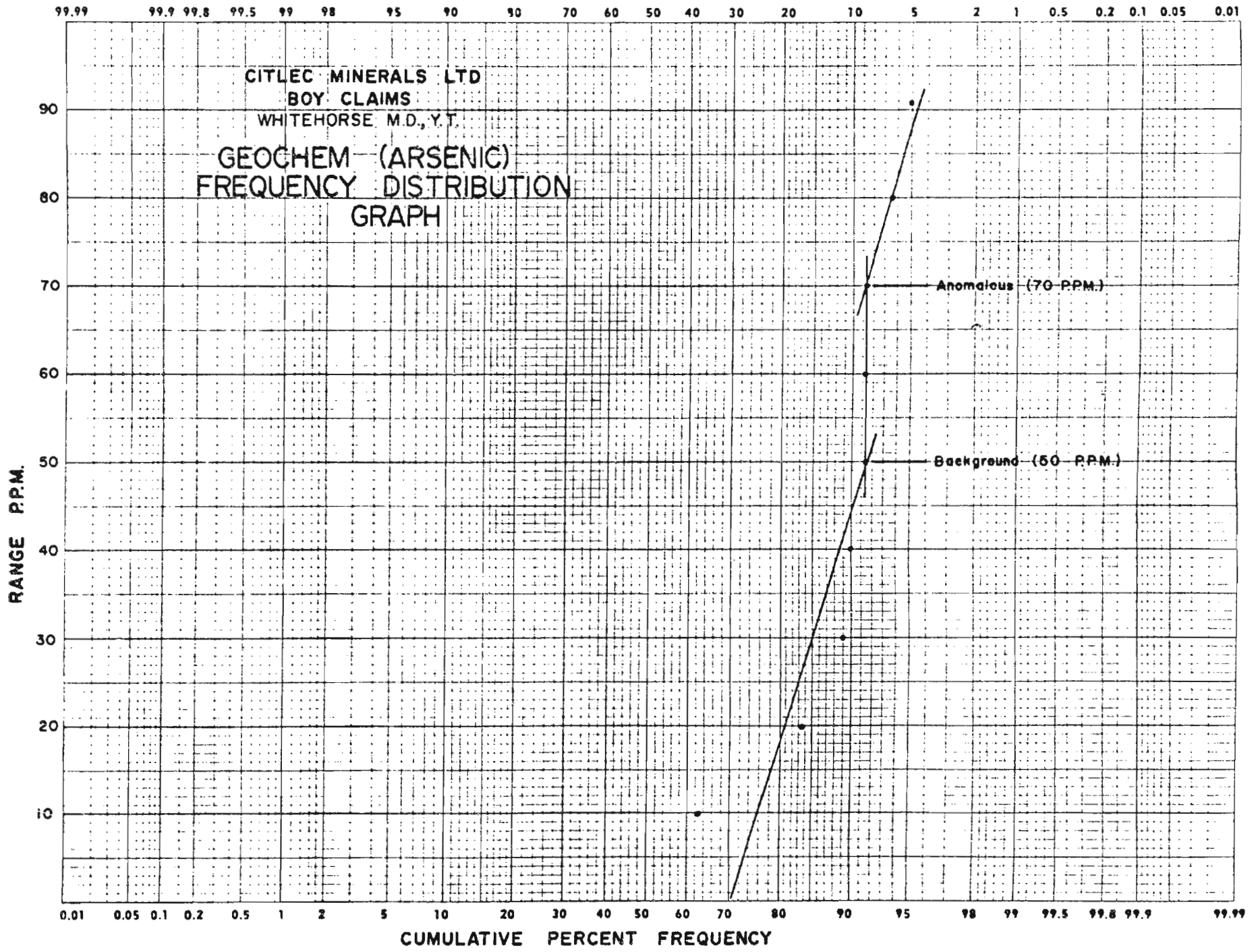
STATISTICAL TABLE

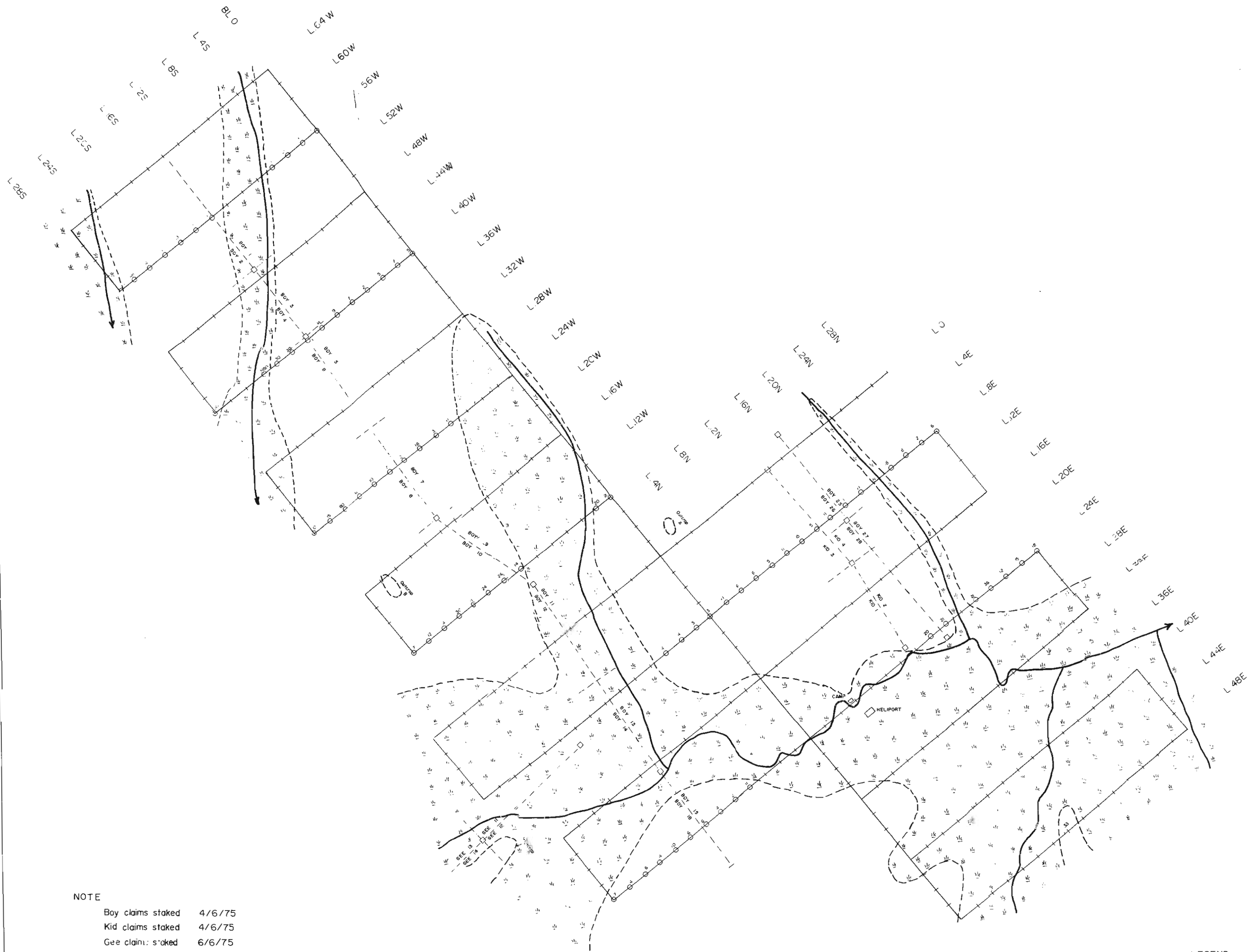
(Copper ppm)

<u>INTERVAL</u>	<u># SAMPLES</u>	<u>% TOTAL</u>	<u>ACCUMULATED %</u>
0-5	0	0	0
6-10	2	2.53	2.53
11-15	9	11.39	13.92
16-20	33	41.77	55.69
21-25	23	29.11	84.80
26-30	7	8.86	93.66
31-35	2	2.53	96.19
36-40	1	1.26	97.45
41-45	0	0	97.45
46-50	2	2.53	99.98
	<hr/>		
	79		

Clitelc - Eoy Claims







NOTE

Boy claims staked 4/6/75
Kid claims staked 4/6/75
Gea claim: staked 6/6/75

- LEGEND
- ⊠ Swamp
 - Claim post
 - ⊕ Marked stations
 - ⊙ Soil sample stations
 - Rock outcrop

BOY CLAIM GROUP
CITLEC PROPERTY
scale 1" = 400 feet

CITLEC MINERALS LTD.
BOY CLAIM GROUP

GEOCHEM FOR COPPER in ppm.

scale 1 inch=400 feet

AGILIS ENGINEERING OCTOBER 1975

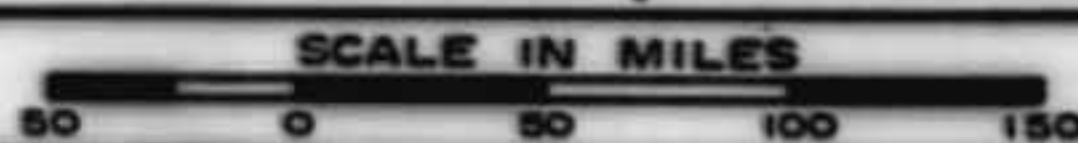


YUKON TERRITORY

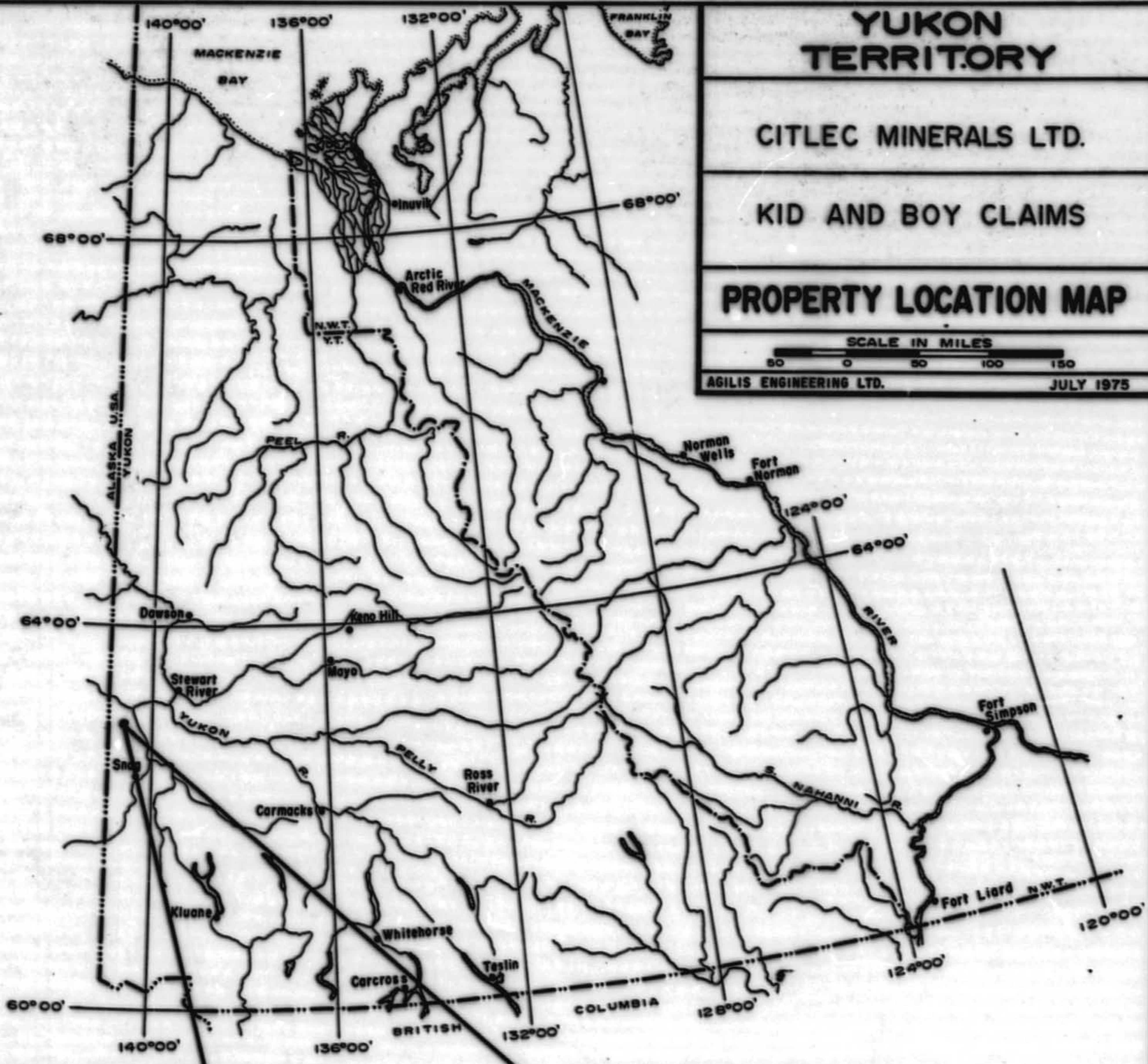
CITLEC MINERALS LTD.

KID AND BOY CLAIMS

PROPERTY LOCATION MAP



AGILIS ENGINEERING LTD. JULY 1975



SCALE: 1" = 1/2 mile

