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AUG 7 1969
MINING
INSPECTORS OFFICE
WHITEHORSE, Y.T.

NEW CINCH URANIUM LTD.
Geochemical Survey Report
on the Cinch 1 - 48 Claims

ALRAE ENGINEERING LTD.

This report has been examined by the Geological Evaluation Unit.
Approved as to technical worth by:
D. B. Craig
RESIDENT GEOLOGIST
Approved as to cost in the amount of: $4800.00
H. Torrington
RESIDENT MINING ENGINEER
Accepted as representation work under Section 53(4) Yukon Quartz Mining Act.
COMMISSIONER OF YUKON

July 9, 1969

TO PROTECT OUR CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONCLUSIONS AND EXTRACTS FROM OUR REPORTS MUST RECEIVE OUR WRITTEN APPROVAL.

MEMORANDUM

RESTRICTED

Box 1767,
Whitehorse, August 18, 1969.
M.I. M-252 (Eval)

Mining Recorder,
Mayo, Y.T.

Dear Sir:

Report on Geochemical Survey
Cinch 1 - 48 Claims
Hart River Area, Y.T.
New Cinch Uranium Ltd.
by G. Torwsdale, P. Eng.

On the recommendation of the Resident Geologist and the Mining Inspector I hereby authorize you to accept this report as representation work under Section 53 (4) of the Yukon Quartz Mining Act to the value of Four Thousand Eight Hundred Dollars ($4,800.00).

Yours sincerely,

Original signed by
Commissioner J. Smith

James Smith,
Commissioner.

Attach.
J. C. Torrington:ram

cc: Chief, Oil and Mineral Division
Attention: Geological Evaluation Unit

Central Mining Records - Whitehorse ✓

Resident Geologist



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Figure 1 - Background Determination for Copper
Figure 2 - Background Determination for Lead
Figure 3 - Background Determination for Zinc

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INTRODUCTION

The Cinch 1 - 48 group of claims consists of 48 contiguous full sized mineral claims, situated in the Hart River area, 80 miles north of Mayo, Y.T. These claims were recorded July 2nd, 1968.

The survey was conducted at the request of New Cinch Uranium Ltd. to locate possible areas of commercial mineralization.

Field work was carried out from June 5th to June 25th, 1969.

CONCLUSIONS AND RECOMMENDATIONS

There are two anomalous areas in the claim group. One copper, in the central section of area at the base of a steep slope facing north. This is associated with an argillite-diorite contact which is a favourable environment in the area.

The other anomaly is lead in the cirque in the south section of the claims. This is in an area of limestone outcropings.

These areas indicate that further work, primarily detailed prospecting and mapping, should be carried out in the percipitous areas surrounding the soil sampled area.

LOCATION AND ACCESS

The claims are located at approximately 64°36'N latitude and 136°51'W longitude. This site is approximately 80 air miles northwest of Mayo, Y.T. and 90 air miles northeast of Dawson, Y.T.

Access to the property was by helicopter to the Hart River Mines camp which was the base of operations.

TOPOGRAPHY AND VEGETATION

The relief in the area varies from broad 'U' shaped

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valleys, to steep talus slopes, to percipitous limestone cliffs. The valleys are swampy, covered with minor buckbrush and willows. Trees are almost non-existent on the claim group.

CLAIM DATA

The block of 48 contiguous full sized claims are shown on claim sheet 116A-10. These claims are all held by New Cinch Uranium Ltd.

HISTORY

These claims were staked during June 1968 and recorded on July 2nd, 1968.

This is the first work to be done on the claims to the knowledge of the author. The New Cinch claims abut the Hart River Mines claims. The latter company is at present developing a copper-silver deposit on their claims to the north of the New Cinch ground.

GEOLOGY

The geologic information following is taken from Map 116A, the Larsen Creek Sheet, 1" = 4 miles, which accompanies Geological Survey of Canada paper 62-7 by L.H. Green and J.A. Roddick.

Table of Formations

Cretaceous 20	orange to brown weathering, diorite and gabbro and altered equivalents.
Cambrian, Ordovician and Silurian 8	dolomite and limestone, thick bedded, grey-buff weathering.
Unconformity	
Precambrian 2	orange weathering, platy, grey-green dolomite, dark slate, minor phyllite and quartzite.
2d	buff, orange and pink dolomite, black shale, minor black limestone. Red dolomite; green argillite, maroon quartzite and shale, and greenstone.

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1	mainly dark grey, grey-green, and black thin bedded argillite, slate and phyllite.

Relatively narrow bands of sediments of map units 1, 2 and 2d trend easterly or southeasterly through the area usually dipping vertically or steeply south. These units are capped by thick-bedded limestones of unit 8 which form the predominant outcrops in the area.

GEOCHEMICAL SURVEY

(1) Control Grid

Approximately 20 miles of baseline and crosslines were marked with flagging as outlined in figures 1, 2 and 3. Lines were put in, using compass and nylon chain, at 400 foot intervals and sampling stations at 200 feet along the lines. These lines were continued beyond the soil sampling area for future geophysical work.

(2) Field Procedure

The geochemical survey carried out was a program of soil sampling. Samples were collected along crosslines and consisted of residual soil immediately underlying the organic layer. A total of nine miles of grid lines were sampled.

(3) Laboratory Procedure

All samples were analysed for copper, lead and zinc. Laboratory work was performed by the Whitehorse assay office, Whitehorse, Y.T.

After drying and screening to -80 mesh, the metals were extracted by a hot HNO_3-HCl solution. The quantities of each metal in the sample were determined by atomic absorption spectrographic analysis. Contoured laboratory results for copper, lead and zinc are shown on figs. 1, 2 and 3.

INTERPRETATION

There is one copper anomaly and one lead anomaly revealed by the soil sampling. The copper anomaly is below a steep area facing north in the central section of the claims. This anomaly is

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VANCOUVER, B.C.
ENGINEERS & GEOLOGISTS

in the vicinity of an argillite-diorite contact. This association appears to be a favourable environment for the district.

The lead anomaly is again at the base of a steep talus covered slope in the cirque in the southern part of the claims. The predominant outcrop in this area is the limestone capping prevalent in the district.

Thus, from these anomalies further work is indicated which should initially be detailed prospecting of the area with mapping to localize favourable environment in the percipitous areas surrounding the soil sampling area.

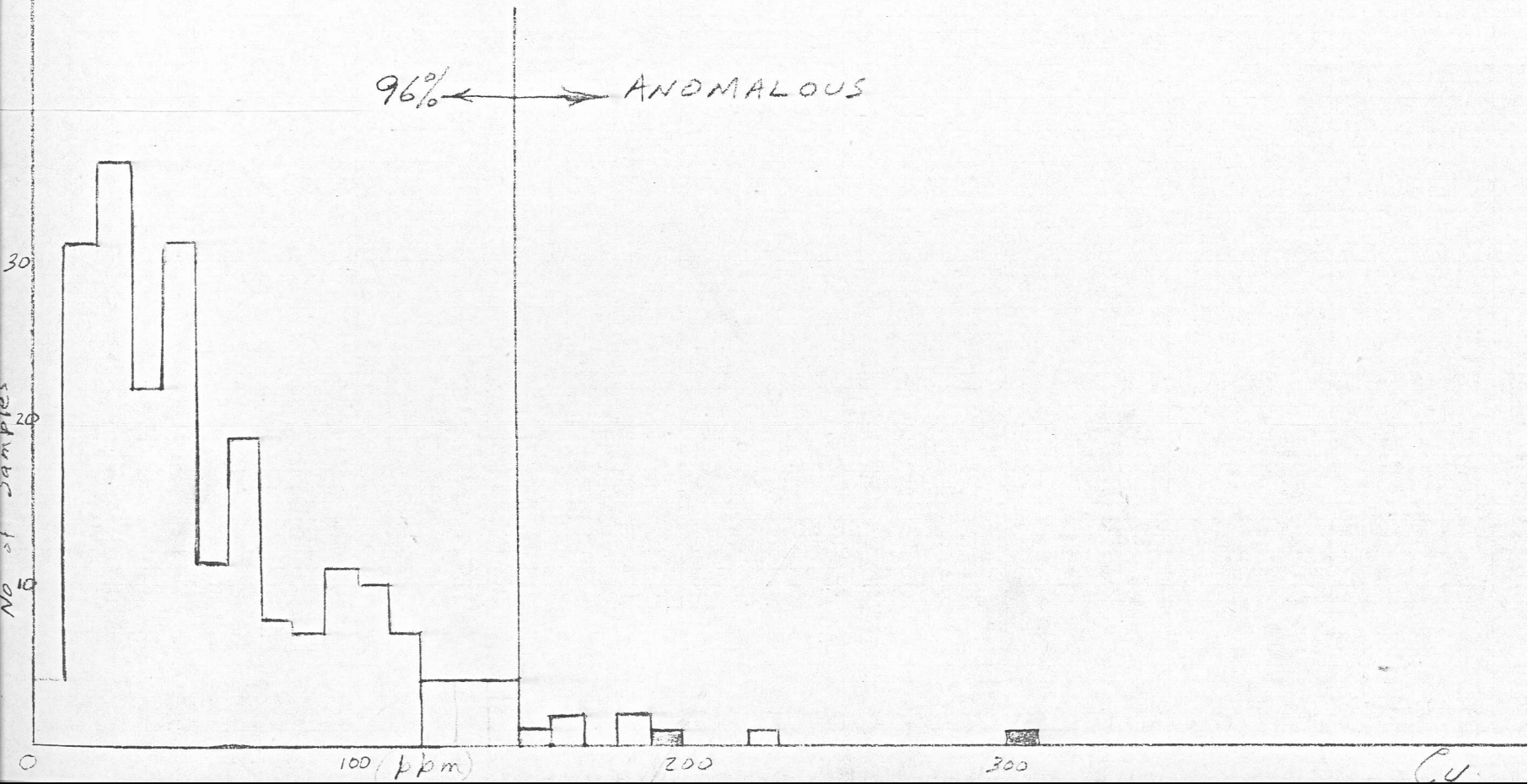
Respectfully Submitted:

G. Trowsdale

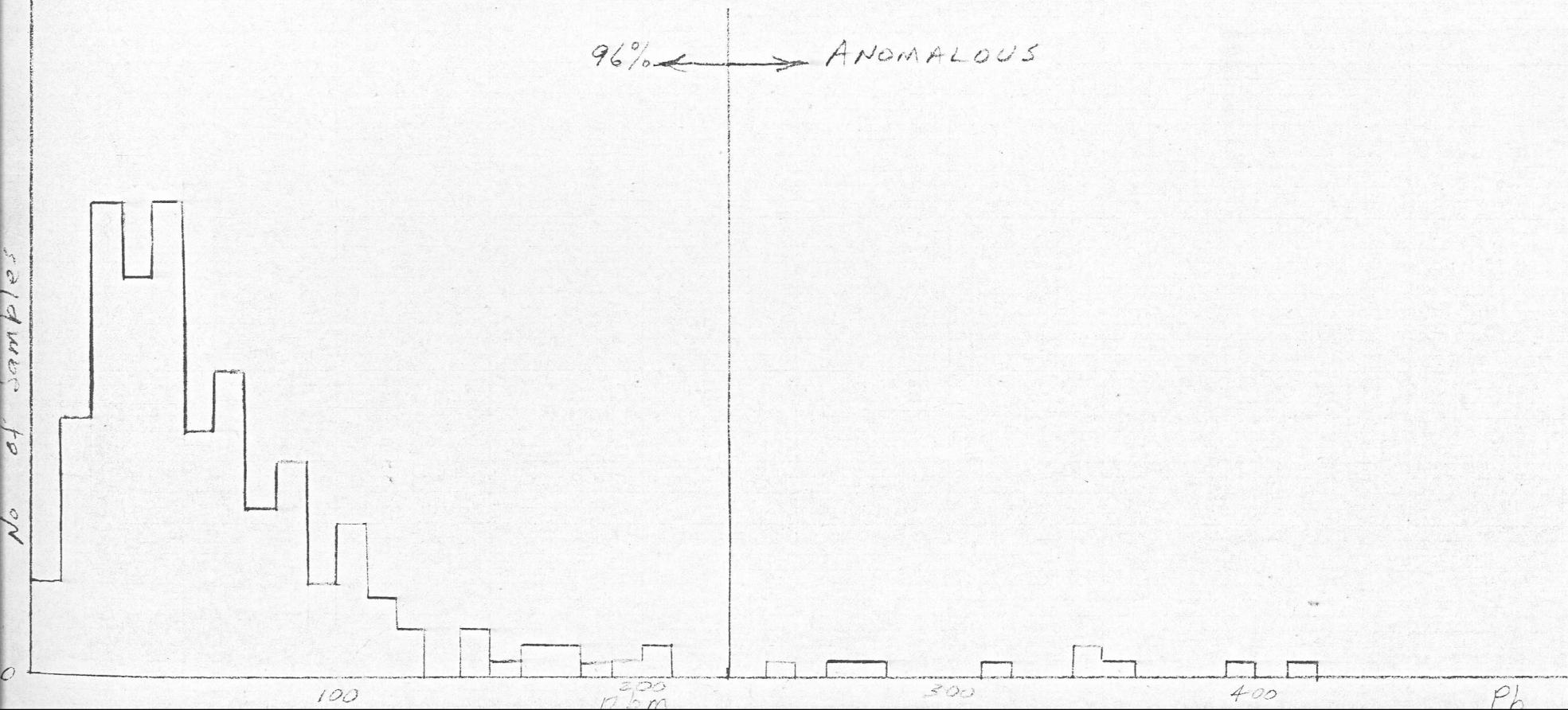
G. Trowsdale, P. Eng.

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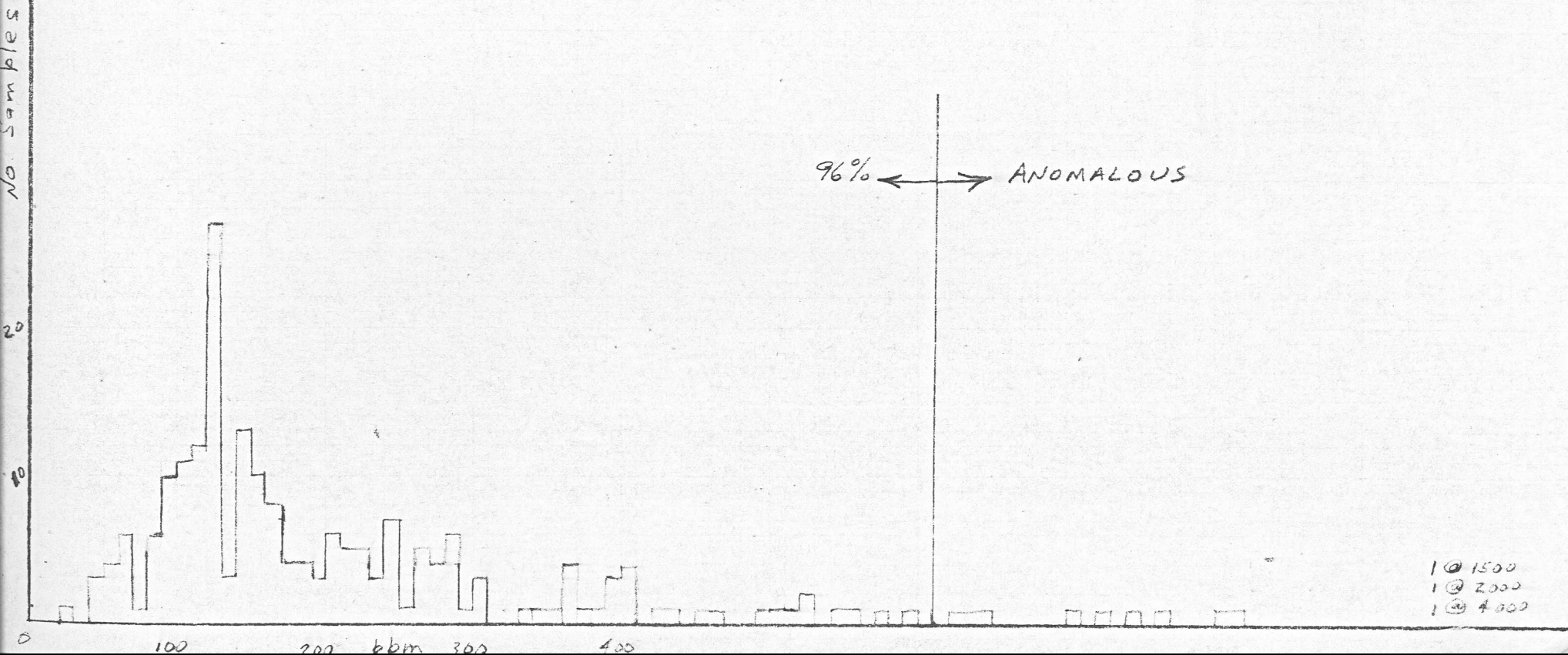
BACKGROUND DETERMINATION FOR Copper



BACKGROUND DETERMINATION FOR LEAD



BACKGROUND DETERMINATION FOR ZINC



TIME AND COST DISTRIBUTION

LABOUR:

Name	Position	Days	
G. Trowsdale	Supervision	16-1/2	$ 1,500.00
D. Read	Soil Sampler	9	225.00
I. McMurtrie	Soil Sampler	18	450.00
G. Jilson	Soil Sampler	7	175.00
D. King	Soil Sampler	17	425.00
R. Jury	Consultant	1	75.00
			$ 2,850.00

Camp costs	66-1/2 @ $12.00	798.00
Air fares		281.00
Supplies		276.69
Assays (Whitehorse Assay Office)		434.00

Helicopter	Day	Time
	June 6	20 minutes
	June 9	120 minutes
	June 10	20 minutes
	June 12	35 minutes
	June 13	20 minutes
	June 14	45 minutes
	June 15	35 minutes
	June 16	10 minutes
	June 17	20 minutes
	June 18	10 minutes
	June 19	20 minutes
	June 20	25 minutes
	June 21	20 minutes
	June 22	20 minutes
	June 23	20 minutes
	June 24	25 minutes
	June 27	75 minutes
	9 hrs @ $110.00	990.00
		$ 5,629.69

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And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City of Vancouver, in the Province of British Columbia, this 9th day of July 1969, A.D.

G. Trowsdale

E R Brozin

~~*A Commissioner for taking Affidavits for British Columbia* or~~
A Notary Public in and for the Province of British Columbia.

★o

ALRAE ENGINEERING LTD.
844 WEST HASTINGS STREET, VANCOUVER, B.C.
TELEPHONE 681-9381
TELEX No. 04-50604

INVOICE TO: New Cinch Uranium Ltd.,
Room 416, 2075 Adelaide Avenue,
Toronto, Ontario

INVOICE No. 69-849

DATE: June 30, 1969

G. Trowsdale	Supervision	16⅔	1500.00
D. Read	Soil Sampler	9	225.00
I. McMurtrie	Soil Sampler	18	450.00
G. Jilson	Soil Sampler	7	175.00
D. King	Soil Sampler	17	425.00
R. Jury	Consultant	1	75.00
			2850.00

Air Fares - Vancouver - Hart River	281.00	
Assays - Whitehorse Assay Office	434.00	
Supplies - Field	276.69	991.69
		$ 3841.69

GEOLOGY
Exploration

CONSULTANTS
Development

MINING
Production

E. & O. E.

Over 30 days — 1% interest per month will be added to account rendered

STATEMENT

WHITEHORSE ASSAY OFFICE
P. O. BOX 346
WHITEHORSE, Y. T.

DATE June 26 1969

ALBAH ENGINEERING LTD.
844 W. HASTING ST. VAN. 1. B.C.

DATE	DETAILS	DEBIT	CREDIT	BALANCE
June 26/69	A-153-217			
	Soils for Cu Pb Zn @ .2.00	$434 00		$434 00

P-60

69-849

1 PER CENT INTEREST PER MONTH ON OVERDUE ACCOUNTS

Rediform 8M101

Hilroy ENVELOPES & STATIONERY LIMITED

COMMERCIAL ENVELOPES DIVISION

PACIFIC COAST BRANCH
COMMERCIAL ENVELOPE DIVISION

250 BOWIE AVENUE, TORONTO 10, CANADA • PHONE 782-4411

DATE OF ORDER	TO BE SHIPPED	SALESMAN	PAGE OF	FILE NO.	SHIP TO NO.	PROVINCIAL SALES TAX EXTRA	NO TAX	P.E.C.	OUR ORDER NO.
JUNE 2/69		HEWER 02			SAME	☐	☐		

SOLD TO
ALRAE ENGINEERING LTD
844 WEST HASTINGS ST
VANCOUVER B C

SHIPPED TO
SAME
HART RIVER MINES LTD BOX 2762
WHITE HORSE YT ATTN G TROWSDALE

TERMS
NET 30 DAYS

CUST. ORDER NO.	SHIP COLL. ☐	SHIP PPD. ☐	VIA	CTNS.	LBS.	PLEASE REFER TO INVOICE DATE	INVOICE NO.
			PPD PACIFIC STAGE 2	28		JUN 6 69	B 2534 *

CHECK	QUANTITY ORDERED	DESCRIPTION	ITEM NO.	QUANTITY SHIPPED	PRICE	UNIT	AMOUNT	TOTAL
	2,000	3½X6 1/8 O/E SOIL SAMPLE ENVS HI WET STRENTH KRAFT	1 2	2,000	26,33		52.66	
		FED TAX 12%	3 4		12		6.32	
		PROV TAX EXEMPT	5					58.98
		PLUS FREIGHT CHARGES AT 5.30 LOT	6 7				5.30	PR 64.28
		New Conch Uranium 69-849	8 9 10 11 12					
			13 14 15 16 17					

INVOICE

* ANY ITEMS NOT SHIPPED COMPLETE HAVE BEEN BACK ORDERED AND WILL BE SHIPPED AS SOON AS AVAILABLE

HANT [illegible] LTD.

848 W. Hastings St., Vancouver 1, B.C. Telephone 685-3744

To New Cinch Mines Ltd.,
c/o Mr. J. Geddes,
Rm.416 - 22 Adelaide St., W., Toronto 1, Ont.

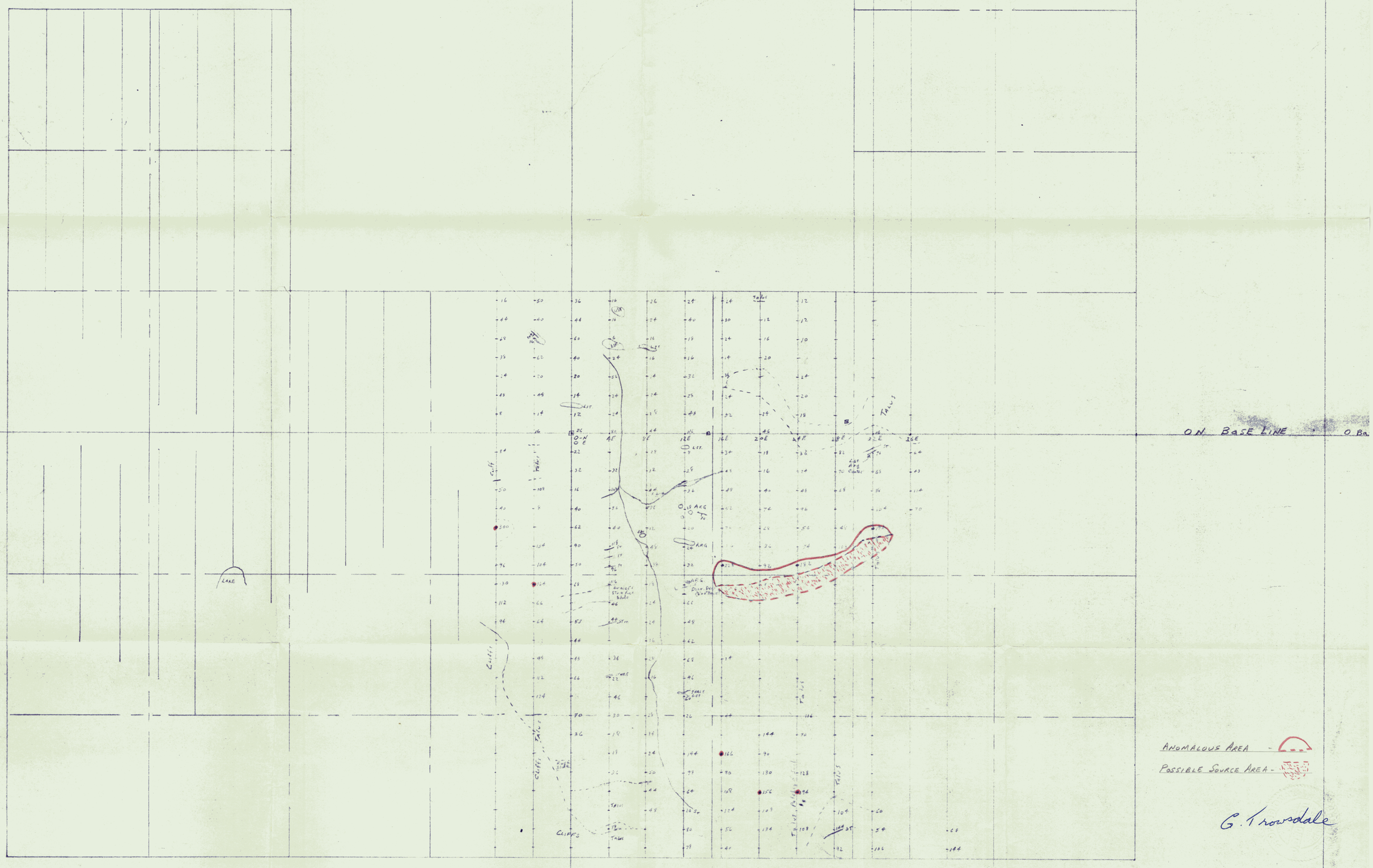
Invoice No. _____

Date July 24/69

Terms _____

Quantity	Description	Price
	To: Flying Time - June, 1969.	
	8 hrs. 25 min. @ $125.00 per hr.	$1,052.00

Invoice



G. Trowsdale

NEW CINCH MINES LIMITED

GEOCHEMICAL SURVEY
CINCH CLAIMS - COPPER

ALRAE ENGINEERING LTD.
GEOLOGISTS AND ENGINEERS
VANCOUVER, B. C.

DESIGNED	SCALE: HOR. 1" = 500'
DRAWN G.T.	VERT.
CHECKED	DWG. No.
DATE June 1963	

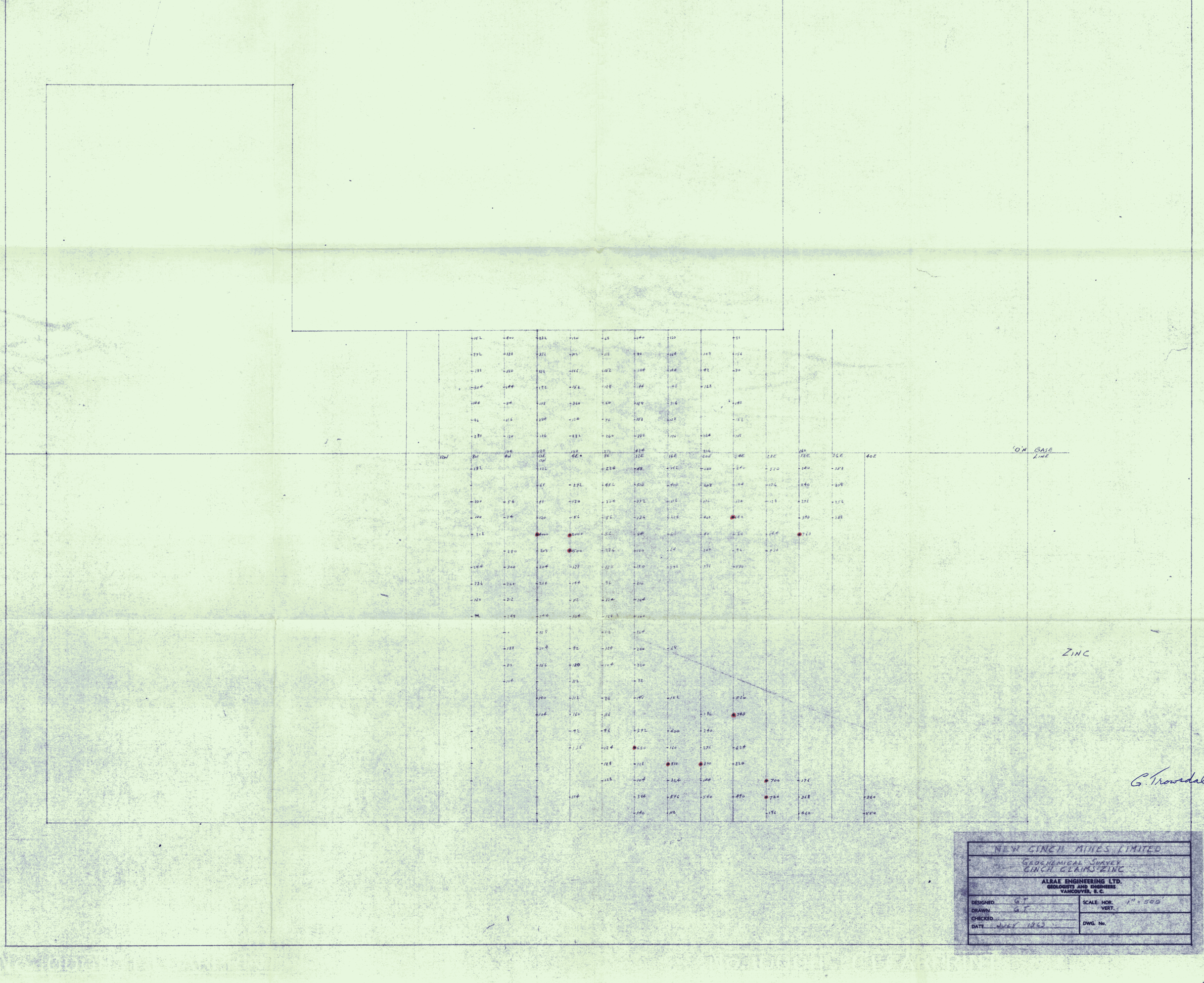


NEW CINCH MINES LIMITED

GEOCHEMICAL SURVEY,
CINCH CLAIMS - LEAD

ALRAE ENGINEERING LTD.
GEOLOGISTS AND ENGINEERS
VANCOUVER, B. C.

DESIGNED G.T.	SCALE: HOR. 1" = 500'
DRAWN G.T.	VERT.
CHECKED	DWG. No.
DATE July 1969	



G. Trowsdale

NEW CINCH MINES LIMITED

GEOCHEMICAL SURVEY
CINCH CLAIMS: ZINC

ALRAE ENGINEERING LTD.
GEOLOGISTS AND ENGINEERS
VANCOUVER, B.C.

DESIGNED: G.T.	SCALE: HOR. 1" = 500'
DRAWN: M.L.	VERT.
CHECKED:	
DATE: Nov. 1963	DWG. No.