3122

GEOPHYSICAL
GEOCHEMICAL SURVEY

NICOLA M.D.

51° - 121° S.E.

92I/3E

for

New Cinch Uranium Mines Ltd.

6-6-69; 17-7-69 A.R.Allen P.Eng.

ALLEN GEOLOGICAL ENGINEERING LTD.
507 - 789 West Pender Street,
Vancouver 1, B.C.

August 1969.

CONTENTS

#1 Maps : 1. Claims overlay plan.

#2 2. Geochemical plan.

THE
COPPER CANYON PROPERTY
OF
NEW CINCH URANIUM MINES LTD.
GEOCHEMICAL SURVEY

INTRODUCTION

A soil sampling survey was conducted over a grid pattern on the Copper Canyon group of claims from June 6th to July 17th, 1969.

The field party was in charge of Tom Thomas and included John Shaw, Frank Tonne, James Elliott, Robin Dening, and Terry Thomas. Rubianic Acid assaying was carried out by L. Anderson in Vancouver, and Randolph Thomas in Langley, B.C.

The field crew was stationed on the property in two tent camps.

A 4-wheel drive, 3/4-ton pick-up truck was used for camp gear, supplies and personnel, between Merritt, the supply centre, and the property.

The purpose of the survey was to check the entire property regarding copper content of the soil, and thereby detect and map any areas of overburden which contain higher than normal quantities of that metal.

LOCATION AND ACCESSIBILITY

The property is located in south central British Columbia 18 miles west of Merritt.

Geographical location is 121° - 12' west longitude and 50° - 10' north latitude.

Access is via Merritt-Spences Bridge highway #8, to the old settlement of Canford, thence by secondary road across the Nicola River, through Indian Reserve #10, and up the north side of Nauitch Creek 7 miles onto the property. An alternate Nicola River bridge crossing is available just north of the mouth of Nauitch Creek.

PROPERTY

The property was originally made up of the Eagle 17, Copper Canyon 1-8 located claims. Subsequently the SOS 1-40located claims were staked on four sides of the original 9 claims. During the survey a large area of open ground, lying on the southeast side of the Copper Canyons 2,34 and 6, was acquired by staking the TT 1-5 and TT 1 Fr and TT 2 Fr. A map of these claims is included with this report.

TOPOGRAPHY

The property is located on the east side of Mimenuh Mountain, elevation 6030 feet above sea level, six miles west of the Nicola River. The claims extend to the main Nauitch Creek at elevation 3500 feet above sea level. The numerous small feeder creeks flow within sharp v-shaped winding valleys in general east to south-east directions. The intervening ridges are rounded and lightly wooded. Overburden cover is extensive. Road building is neither difficult nor expensive.

GEOLOGY

The property is located within a wide band of Lower Cretaceous volcanic rocks termed the Kingsvale Group. The geology of the claims area has not been mapped in detail. Spot observations indicate that the prevailing rock type is porphyritic to amygdaloidal andesite, with some intervening sedimantary strata and, particularly in the copper Canyon area, light grey, fine-grained acid intrusives carry disseminated pyrite, chalcopyrite and other metallic minerals.

The Mount Lytton batholith outcrops six miles westerly and the Guichon Creek batholith lies six miles to the east. The Craigmont mine is located 12 miles easterly at the contact between the Kingsvale volcanic and sedimentary strata and the Guichon Creek batholith.

GEOCHEMICAL SURVEY

The geochemical survey was conducted on a surveyed grid pattern over the full claims area. The grid lines were established on 300-foot spacing northeast-southwest, and

stations designated by numbers on cedar stakes were placed every 100 feet along each line. The control was a base line along the road in a general east-west direction. All lines were run with chain and Brunton compass. In excess of 68 miles of line was completed. Samples composed of about a handfull of soil, taken from a depth of about six inches at each station, were placed in paper bags. Each bag was marked with that station number. So far as possible, twigs, humus, rootlets and evergreen needles were excluded from the samples.

The samples were taken to Vancouver and Langley and there dried, and tested by the rubianic acid process for detection of copper. The results were classified as weak, medium and strong, and so noted in notebooks and maps.

SURVEY RESULTS

Numerous "spot" samples indicating strong copper content were encountered. Those which appear to show a directional trend are so indicated on the map. This trend appears to be northeasterly.

Three larger areas showing continuity are: first the Copper Canyon area where the discovery showings are located; second, the SOS 13 and 15 claims on the boundary of the property; and third, the largest area, on the SOS 20-25, 35-40 and TT 5 claims.

Anomalous Area #1

In the Copper Canyon area, lines 12, 15 and 18, crossed three isolated zones, the longest of which is 600 feet in a northeast direction. The deep creek draw cuts across this trend. It would appear that the copper mineralization at this location is confined to the fairly narrow zones of limited extent.

ANOMALOUS AREA #2

In the northwest corner of the property, a v-shaped anomalous area is 1000 feet long and open to the north. If additional investigation is made in this part of the property, protective claims should be located. Scarcity of outcrops precludes further evaluation of this zone.

ANOMALOUS AREA #3

Near the northeast corner of the claims area three anomalies indicate a sizeable area carrying copper in the extensive overburden cover.

The anomalies are irregularly shaped, but trending northeasterly. They are 1,500 to 2,200 feet long and 100 to 400 feet wide.

The north anomaly is open to the northeast.

Extending to the southwest from the three large anomalous areas are a series of smaller parallel zones, 400 to 800 feet long.

The total area involved is one mile long and one half mile wide. As with the Copper Canyon area, the trend of these zones cuts across the creek valleys.

Anomalous area #3 is indicated by the results of this geochemical investigation to be the most important portion of the property. This area appears to hold considerably more potential than the Copper Canyon where the mineralization is well and colourfully exposed.

CONCLUSIONS AND RECOMMENDATIONS

The Copper Canyon property is located in south central British columbia, west of the Merritt and Highland Valley copper mines.

Copper mineralization is exposed in the steep Copper Canyon, but limited exploratory work has in the past indicated limited extent but good grade.

Much of the property is blanketed by overburden, and the geochemical investigation herein described points to the possibility that sizeable areas so covered have copper mineralization in the underlying bedrock.

It is concluded that the property is a first class copper prospect warranting additional investigation.

It is recommended that anomalous areas #2 and #3 be investigated by stripping and trenching, and if results so warrant, a follow-up programme of percussion and/or core drilling. Time and cost schedules may be detailed when a field budget is allocated.

Respectfully submitted,

per Alfred R. Allen P. Eng.
ALLEN GEOLOGICAL ENGINEERING LTD.

Vancouver, B.C.

REFERENCES

Cockfield, W.E., G.S.C. Memoir 249

Duffell, S., and McTaggart, K.C., G.S.C. Memoir 262

ALFRED R. ALLEN

EXHIBIT "A"

October 31, 1969.

GEOCHEMICAL AND MAGNETOMETER SURVEYS

Grid surveyed on 300x100 spacing tied to surveyed base line over the following mineral claims:-

Claim	Record Numbers
Eagle 17	19164
Copper Canyon 1-8 inc.	1092,1093,and 3895-3900 inc.
SOS 1-40 inc.	38800 - 38839 inc.
TT 1-5 inc.	41443 - 41447 inc.
TT 1 Fr	41448
TT 2 Fr	41449

The claims are situated about 8 miles west of Canford on Nauitch Creek, Nicola M.D.

Crew and Costs

Alfred R. Allen, P.Eng.,Operator,June 5-10,July 16-18	$1570.00
T. Thomas, Operator, Langley,B.C. June 5 - July 17	1899.50
John Shaw, Geological assistant,Quoquitlam, B.C. June 5 - July 17	1072.50
F. Tonne, Student Assistant, Vancouver,B.C. June 5 - July 17	869.00
J. Elliott, " " " " "	775.50
R. Denning " " " " "	748.00
Terry Thomas, Axeman, Langley, B.C. " "	742.50
Randy Thomas, " " " "	558.50
L.Anderson and S. Anderson, Assistants,Vancouver,B.C. July 1-17	148.20
Food and camp costs	1560.00
Vehicle (4-w-d truck)rental and operating on job	750.00
Equipment Rental	500.00
Chemical Supplies and assaying, Etc.	250.00
Drafting and mapping	300.00
	$11,483.70

DOMINION OF CANADA
PROVINCE OF BRITISH COLUMBIA

IN THE MATTER OF
THE MINERAL ACT

TO WIT:

I, Alfred R. Allen, of the Province of British Columbia, City of Vancouver

Do Solemnly declare that:

1. I am a geological engineer, and member of the Association of Professional Engineers of the Province of B.C., and that the geochemical and magnetometer surveys over the Eagle 17, Copper Canyon 1-8, SOS 1-4, TT 1-5, TT 1 Fr and TT 2 Fr, were under my supervision.

2. The statement, Exhibit "A", hereto annexed is a true statement of minimum expenditures for the said surveying between June 5th and July 11th, 1969.

3. The listed expenditures are exclusive of all other expenditures connected with the survey, such as transportation, supplies and accommodation to and from the property.

And I make this solemn declaration, declaring it to be a true and correct statement of same force and effect as if made under oath, by virtue of the Canadian Evidence Act.

Alfred R. Allen

DECLARED before me at
THE CITY OF VANCOUVER
in the Province of British Columbia
this 31st day of October 1969 A.D.

James L. McInnes

Geochemical and Magnetometer Surveys,

Eagle 17, Copper Canyon 1-8, SOS 1-40, TT 1-5, TT 1Fr, TT 2Fr.

June 5 - July 17, 1969.

FIELD CREW

Alfred R. Allen, P.Eng. Operator

Tom Thomas, Experienced field man, trained and supervised by Alfred R. Allen, for 14 years, Operator

John Shaw, Geological Assistant and prospector

F. Tonne, Student Assistant, U.B.C.

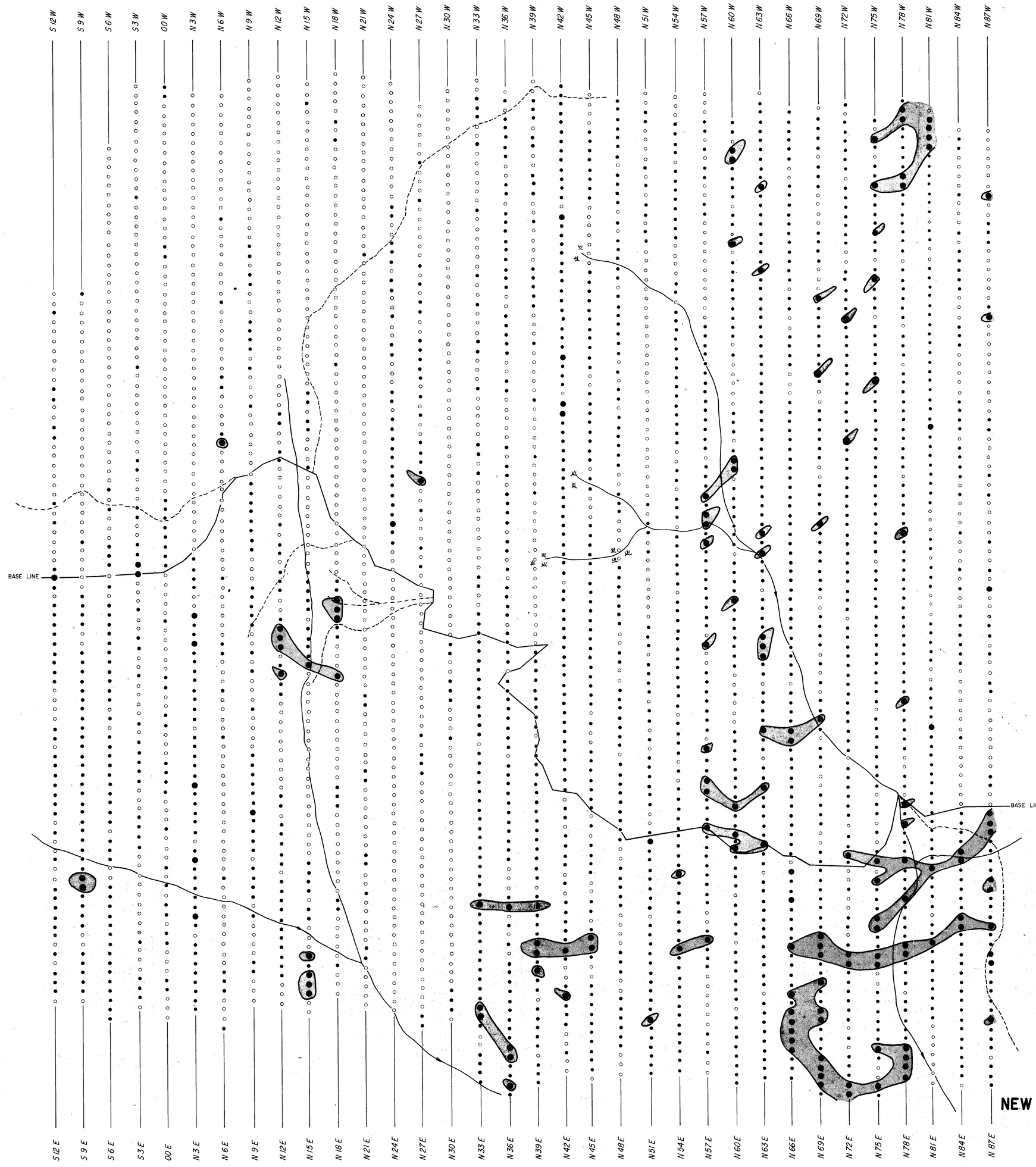
J. Elliott, " " "

R. Denning, " " McGill

Terry Thomas, Axeman

Randy Thomas, Axeman

L. Anderson and S. Anderson, Assistants.



2122

Department of
Mines and Petroleum Resource
ASSESSMENT REPORT
NO. 2122 MAP #2

LEGEND

RUBEANIC TEST COPPER

- STRONG
- MEDIUM
- WEAK
- CREEK
- ROAD
- SWAMP

ALLEN GEOLOGICAL ENGINEERING LTD.

NEW CINCH URANIUM LTD. (N.P.L.)

GEOCHEMICAL SURVEY

COPPER CANYON PROPERTY

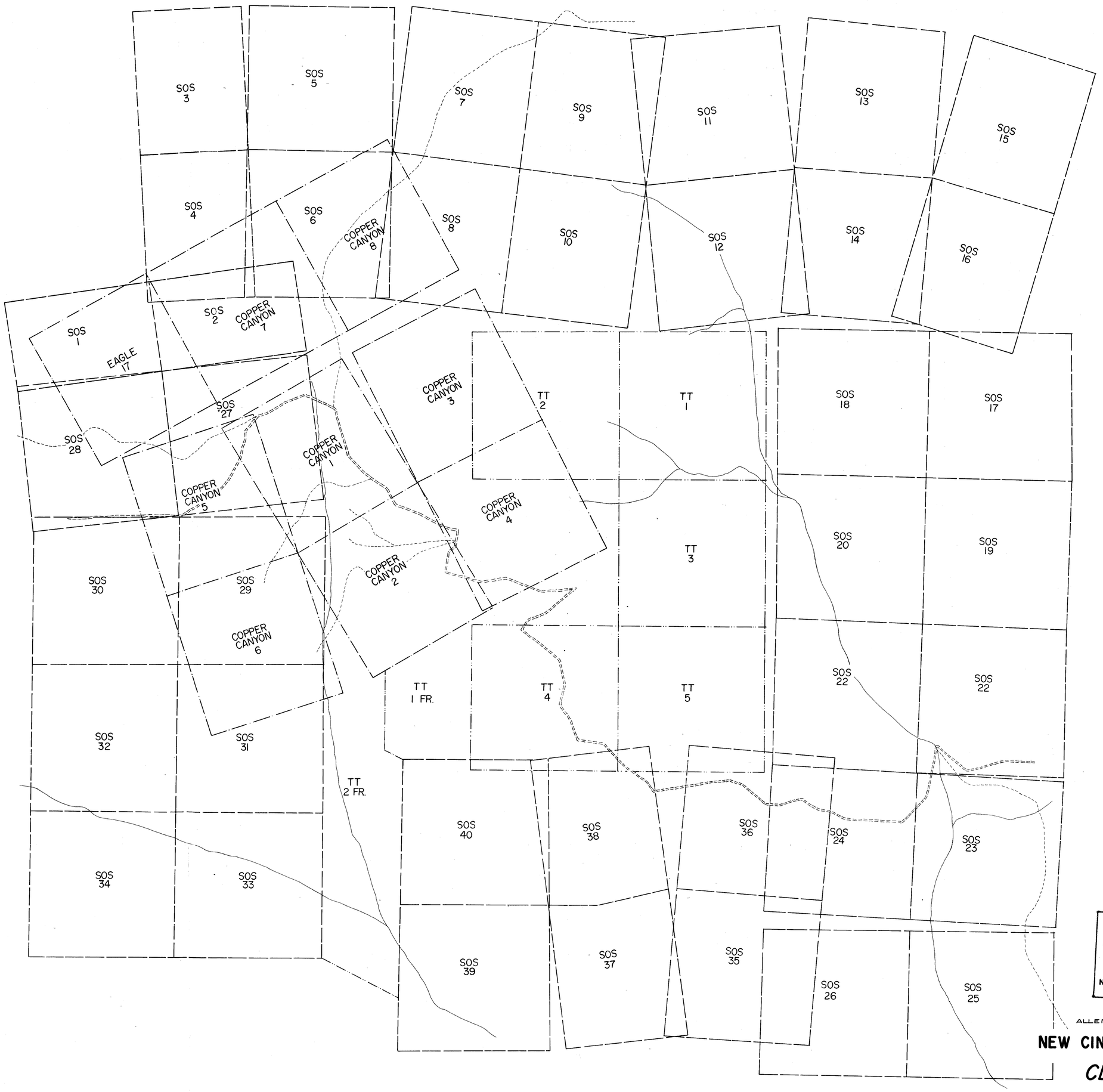
MERRITT, B.C.

SCALE

FEET 500 250 0 500 1000 1500 FEET

Alfred R. Allen

ALTAIR drafting—1969



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ALLEN GEOLOGICAL ENGINEERING LTD.

NEW CINCH URANIUM LTD. (N.P.L.)

CLAIM OVERLAY

COPPER CANYON PROPERTY
MERRITT, B.C.

SCALE
FEET 500 250 0 500 1000 1500 FEET

ALTAIR drafting - 1969