

REPORT ON THE  
U2 CLAIM  
GREENWOOD MINING DIVISION

By  
W. MEYER, P.ENG.

CLAIMS:	U2 (12 units)
LOCATION:	Granby River Latitude 49°06' Longitude 118°22'
DATES:	May 24-27, 1978

7235

SUMMARY & CONCLUSIONS

The U2 Claim is located along the east side of the Granby River in the Greenwood Mining Division. The claim covers three mineral showings, the most important of which is anomalous radioactivity in a sharpstone conglomerate.

Sampling by the writer in July 1977 returned assays ranging up to 1.16 lbs.  $U_3O_8$  per ton from bedrock surfaces. The claim is adjacent to other Consolidated Boundry uranium holdings and/or joint ventures previously explored by Cassair Asbestos Corporation.

Attempts to carry out a technical program on the key area in 1978 (as in 1977) were hampered seriously by a surface rights holder. Work in 1978 included detailed mapping, geochemical sampling and scintillometer surveys on that portion of the property adjacent to the hostile surface rights holder. The surveys were inconclusive since the showing of interest occurs in the "inaccessible" portion of the claim.

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CONSOLIDATED BOUNDRY EXPLORATION LTD.

INTRODUCTION

The following report on the U2 Claim is prepared at the request of G. Nakade of Consolidated Boundry Exploration Ltd.

The U2 Claim, comprising 12 units, is located north of the city of Grand Forks, B.C. in the Greenwood Mining Division. The principal showing on the claim is a uranium occurrence in a conglomerate. Showings of copper and molybdenite also occur within the claim.

A programme of technical and physical work recommended to assess the uranium mineralization on the claim was interrupted by the surface rights holder. The results of the 1978 programme are inconclusive as a result.

### LOCATION & ACCESS

The U2 Claim is located on the east side of the Granby River approximately six miles north of the city of Grand Forks, B.C. in the Greenwood Mining Division. The claims are centered around Latitude  $49^{\circ}06'N$  and Longitude  $118^{\circ}22'W$ .

Access from Vancouver is via Highway No. 3 to Grand Forks, a distance of approximately 350 miles (see Figure 1). Alternately, Grand Forks can be reached by scheduled PWA flights to Penticton or Castlegar and then by local carrier to the city airport.

The U2 claim is reached from the city by six miles of paved road north along the east side of the Granby River. The paved road, a transmission line and the Granby River pass through the claim. Grand Forks is an adequate supply center for the area providing many services to the mineral exploration industry.

The claim area is characterized by sparsely timbered to open rolling hills. The use of the land on the claim area is for cattle grazing.



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U2 CLAIM  
LOCATION MAP

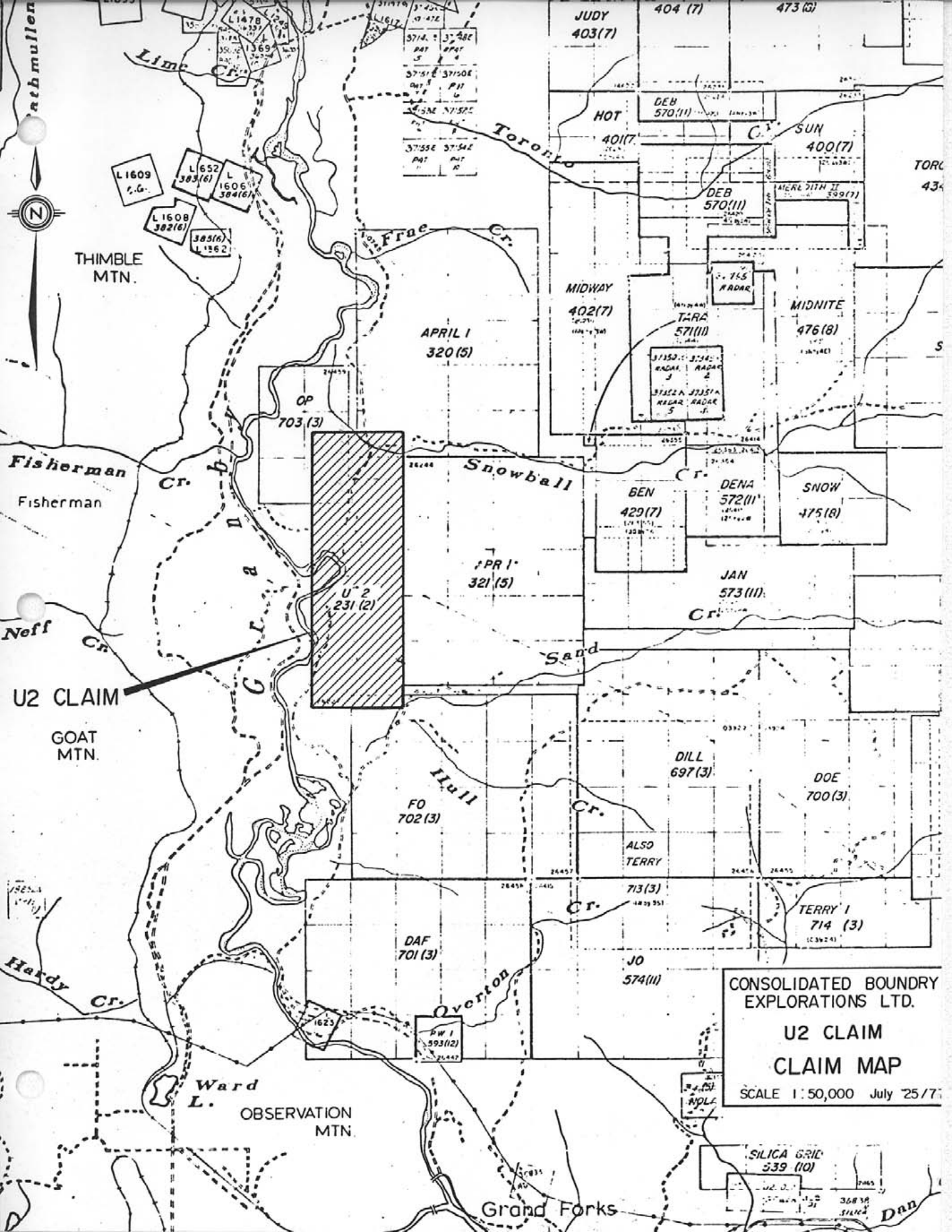


CLAIMS

The U2 Claim consists of 12 metric units within the Greenwood Mining Division (Figure 2).

The pertinent claim data is shown below:

<u>Claim</u>	<u>Record Number</u>	<u>Expiry Date</u>
U2	231(2)	February 25, 1978



THIMBLE MTN.

U2 CLAIM

GOAT MTN.

CONSOLIDATED BOUNDARY EXPLORATIONS LTD.

U2 CLAIM

CLAIM MAP

SCALE 1:50,000 July 25/77

SILICA GRID  
539 (10)

APRIL I  
320 (5)

MIDWAY  
402 (7)

TARA  
571 (III)

MIDNITE  
476 (8)

BEN  
429 (7)

DENA  
572 (III)

SNOW  
475 (8)

JAN  
573 (III)

DILL  
697 (3)

DOE  
700 (3)

ALSO  
TERRY

713 (3)

TERRY I  
714 (3)

DAF  
701 (3)

JO  
574 (III)

DW I  
593 (II)

SILICA GRID  
539 (10)

Grand Forks

Dan



## HISTORY

Grand Forks, once a thriving smelter town processing ore from the Phoenix camp, has had a long history of mining dating back to the 19th century. The principal products were copper, gold and silver and the principal camps were Phoenix, Deadwood, Union and Franklyn. The Phoenix Mine continued to operate until recently.

In recent years a number of uranium occurrences have been identified in the Grand Forks Area, primarily in the Snowball Creek area. Over the past few years, Consolidated Boundry Explorations has staked, optioned or entered into joint venture agreements on most of the better known occurrences. In June 1977, Consolidated Boundry, with joint venture partner Chinook Construction & Engineering Ltd., entered into an option agreement with Cassiar Asbestos Corporation for exploration and development of uranium prospects in the Snowball Creek area. Technical surveys and drilling were carried out.

The U2 Claim was excluded from the agreements with both Chinook and Cassiar Asbestos.

Previous work on the U2 Claim included prospecting and trenching of radioactive occurrences in a

sharpstone conglomerate. It is these showings which are of current interest.

A copper occurrence in a skarn zone near the Granby River had previously been developed by an adit. The underground workings, at least fifty years old, are now caved. A reported molybdenite occurrence on the north end of the claim was not examined.

## GEOLOGY & MINERALIZATION

The claim area is underlain by crystalline limestones, cherts and greywacke of the Paleozoic Anarchist Group. The sediments are intruded by numerous dykes of medium to coarse-grained Nelson granodiorite. The main mass of Nelson Intrusions lies to the east of the claim (Ref: GSC Map 6-1957-Kettle River East Half).

Figure 3 is a plot of the general geology from preliminary mapping during 1977 and 1978.

On a high knoll in the central claim area, limestones are in contact with a cherty fragmental rock identified as sharpstone conglomerate. This unit is sheared north to northwest parallel to the Granby River fault.

Anomalous radioactivity occurs in both the rocks of the Nelson Batholith and the Sharpstone Conglomerate. The showings of interest occur erratically through the cherty conglomerate on a high knoll in the central claim area where the thin veneer of overburden has been removed by bulldozer stripping. Samples were taken which represent varying degrees of radioactivity from background values to definitely anomalous values. The results are shown below:

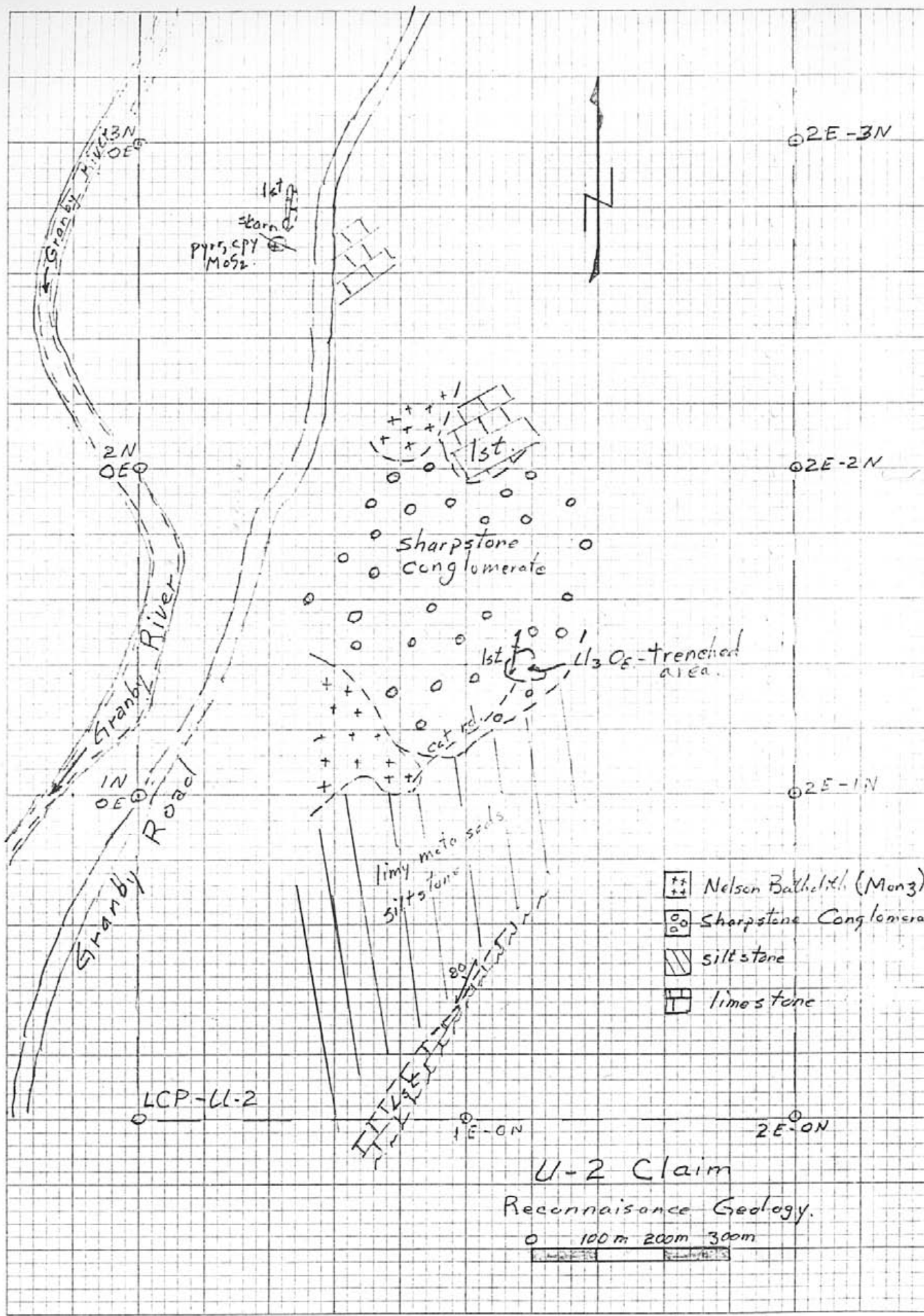
7235

<u>Sample No.</u>	<u>% U<sub>3</sub>O<sub>8</sub></u>	<u>Lbs. U<sub>3</sub>O<sub>8</sub>/ton</u>	<u>Remarks</u>
1336	0.002	0.04	Background
1335	0.009	0.18	Weak radioactivity
1337	0.021	0.42	Moderate radio-activity
1334	0.036	0.72	-

An additional moderately radioactive sample returned a value of 0.058% U<sub>3</sub>O<sub>8</sub> or 1.16 lbs./ton.

All samples were from bedrock surfaces exposed by bulldozer trenching.

Other showings on the claim include a copper, gold, silver occurrence in a skarn zone in limestone adjacent to a granitic dyke and a molybdenite showing. A 5 foot chip sample in massive sulphides in the skarn returned an assay of 0.18% Cu with minor gold-silver.



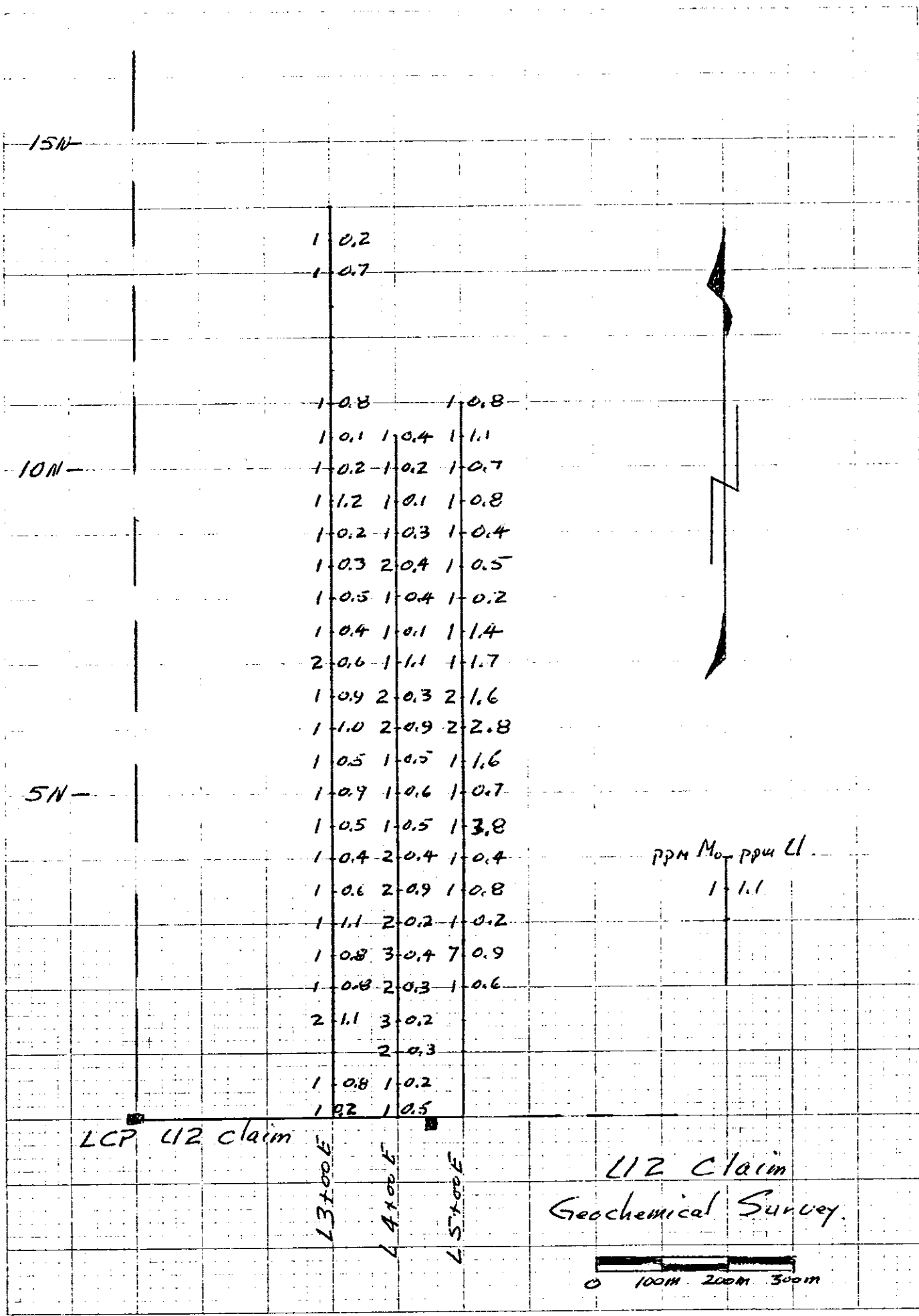
## GEOCHEMISTRY

4 km of flagged, chain and compass lines spaced 100 metres apart were completed on the east portion of the claim area for which permission to carry out such a survey was granted by the surface rights holder. The survey over the remainder of the claim area was intercepted by the hostile surface rights holder of that area. The completion of the survey has been put temporarily in abeyance.

Soil samples were taken at 50 metre intervals along the grid lines completed. Magnetometer and scintillometer readings were taken simultaneously with a collection of samples. Samples were taken with a trowel from the "B" horizon where possible and placed in numbered kraft paper envelopes. The samples were shipped to Acme Analytical Labs in Burnaby, B.C. for analysis for uranium and molybdenum.

The samples were treated in the standard manner, sieved to -80 mesh and analysed. Analysis for molybdenum was by atomic absorption and for uranium by fluorometric method using Turner fluorometer.

Figure 4 is a plot of the analytical data. Low background values are recorded in most of the surveyed area for both molybdenum and uranium. Unfortunately, the main showing would not be traversed in order to correlate known mineralization with geochemical data. Uranium values are weakly anomalous on line 500E down slope from the main showing between 4+50N and 7+50N. One anomalous molybdenum value occurs on L5+00E - 2+50N. The survey grid did not extend to the area of the reported molybdenite showing.

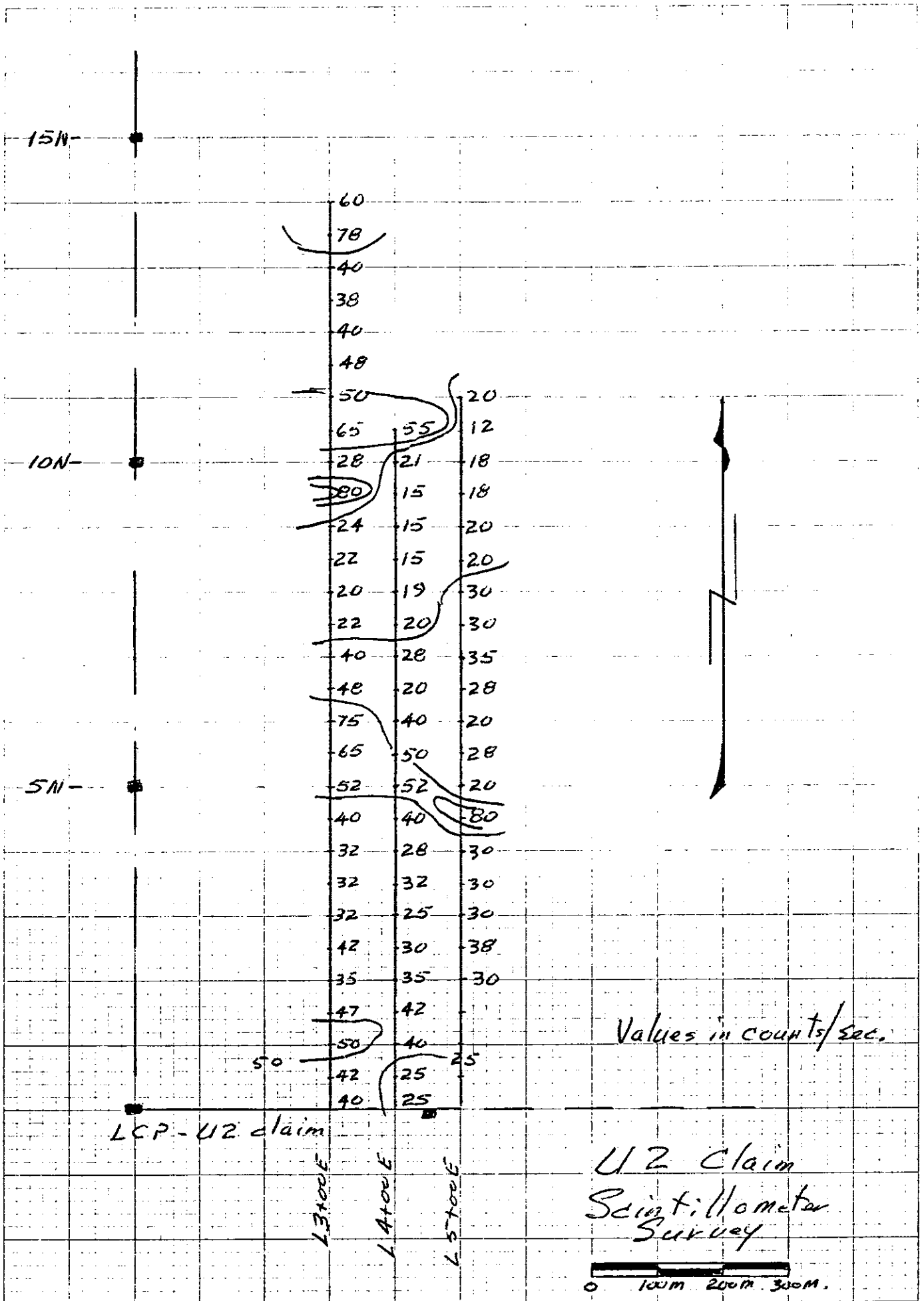


### SCINTILLOMETER SURVEY

Gamma radiation using an Exploranium scintillometer was measured at 50 foot intervals along the line grid. Values were recorded in counts per second. Figure 5 is a plot of the data.

Scintillometer readings were generally low over the area covered. Higher values were recorded over areas of Nelson Batholith. A high value coincides with the peak geochemical value at L5+00E - 4+50N.





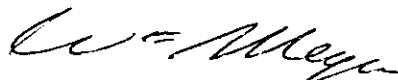
MAGNETOMETER SURVEY

4 km of magnetometer survey was completed in the surveyed area. Relative values in gammas of the vertical magnetic field were recorded at 50 metre intervals along the lines. The readings were taken with a McPhar model M-700 fluxgate magnetometer. Standard survey procedures using looped traverses were used for the purposes of making diurnal corrections.

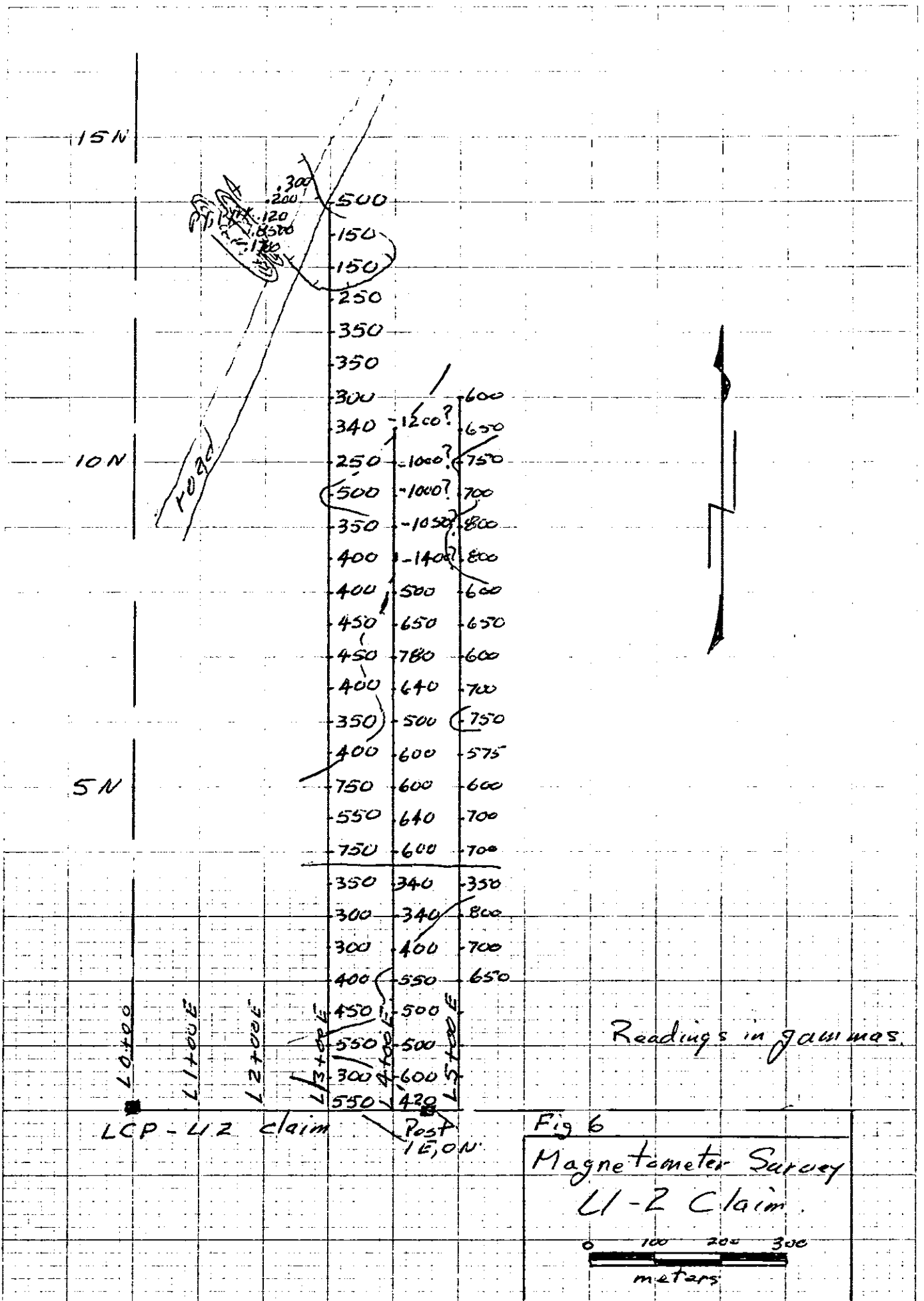
Magnetometer Data is plotted on Figure 6. The magnetic values are characterized by a low density of contours although the vertical field varies approximately 600 gammas. Generally, the lower values correspond to the meta sediments and the higher values to the Nelson Batholith. The negative values at the north end of line 4+00E are thought to be instrument problems rather than an anomalous negative field.

The data could not be extended to the east to cover the uranium showings, as with the other surveys, because of the surface rights holder who objected to the principal of uranium exploration.

Respectfully submitted,



W. Meyer, P. Eng.



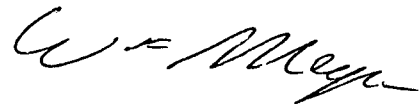
C E R T I F I C A T E

I, William Meyer, do hereby certify that:

1. I am a geologist with residence at 911 Jarvis Street, Coquitlam, B.C.
2. I am a graduate of the University of British Columbia (B.Sc., 1962).
3. I am a registered member of the Association of Professional Engineers of the Province of British Columbia.
4. I have worked as an exploration geologist for sixteen years for the following companies: Phelps Dodge Corporation of Canada Ltd., Gibraltar Mines Ltd., Associated Geological Services Ltd., Western Geological Services Ltd. (senior partner).

I am presently a senior partner in W. Meyer & Associates Ltd.

DATED at Vancouver, B.C., this 30th day of March, 1979.



W. Meyer, P. Eng.

APPENDIX

PERSONNEL AND DATES & COST OF SURVEY

<u>Name</u>	<u>Dates of Work</u>	<u>Days</u>	
W. Meyer	May 24-27, 1978	4 days @ \$175/day	\$700.00
G. Nakade	May 25-27, 1978	3 days @ \$100/day	300.00
Rentals (vehicle, magnetometer)			160.00
Expenses			100.00
Assays			273.00
			<u>1,533.00</u>