

GEOCHEMICAL
ASSESSMENT REPORT

on the

TOP PROPERTY

(TOP CLAIMS)

MCINTYRE LAKE

VERNON MINING DIVISION, B.C.

NTS: 82L/2E
Latitude: 50° 04' North
Longitude: 118° 33' West
Owner: Brican Resources Ltd.
Consultant: K.L.Daughtry & Associates Ltd.
Author: W.R.Gilmour
Date: May 31, 1981

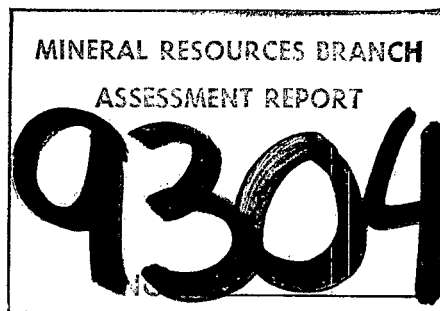


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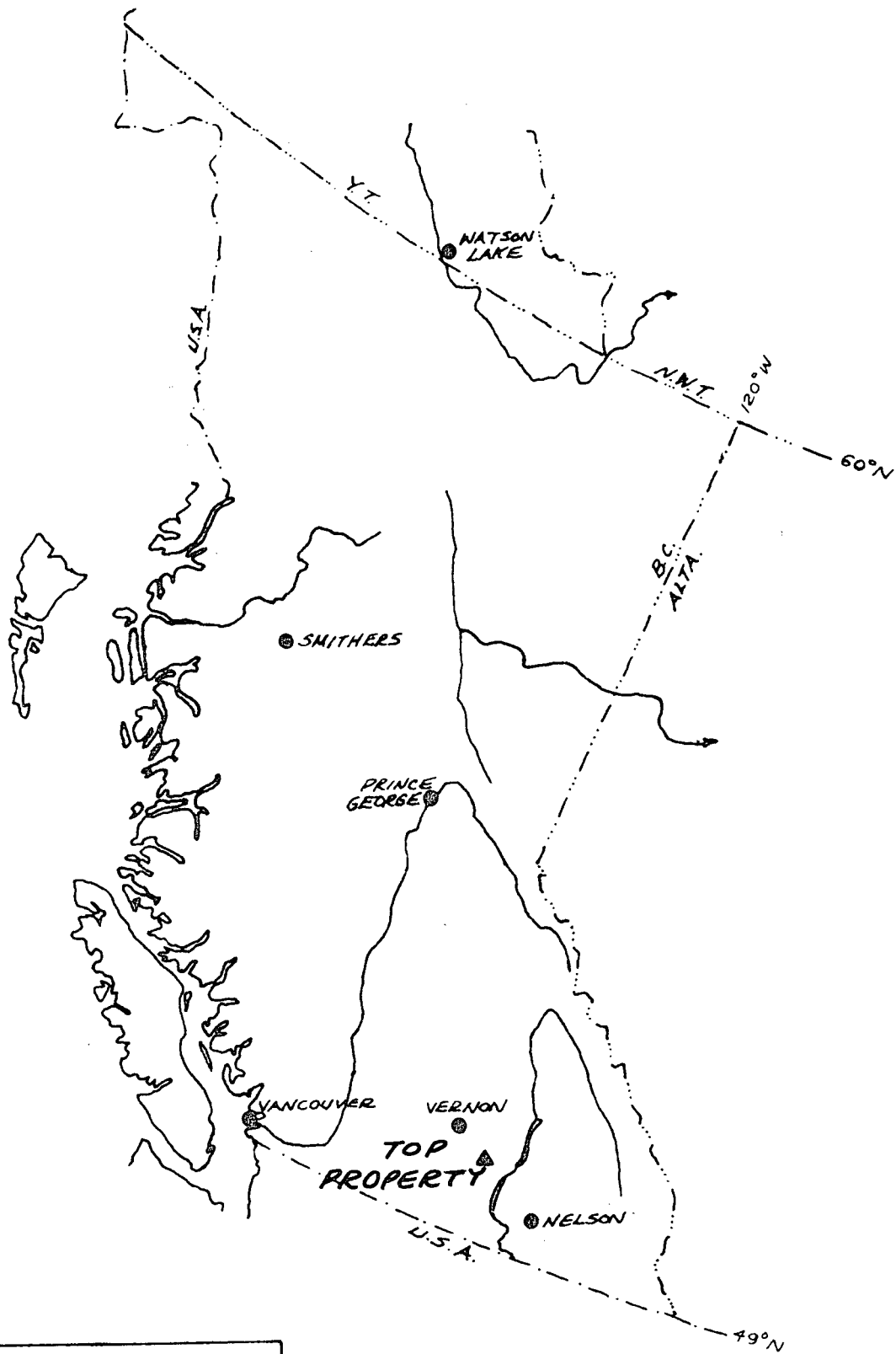
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SUMMARY

The TOP property, under option to Brican Resources Ltd., is located 55 km east-southeast of Vernon, B.C. This report presents the results of exploration work carried out in 1981.

During 1981, grid lines totalling 3.9 km were installed and an orientation silt and soil survey was conducted. A total of 10 silt samples were collected and analysed for gold and silver. A total of 57 soil samples were collected and analysed for gold, silver, mercury, arsenic and copper.

The property exhibits exploration potential and a programme of further exploration is warranted. Gold, arsenic and silver analyses are recommended in future geochemical surveys.



K.L. DAUGHTRY & ASSOC. LTD	
BRICAN RESOURCES LTD	
LOCATION MAP	
TOP PROPERTY	
MAY, 1981	FIG. NO. 1

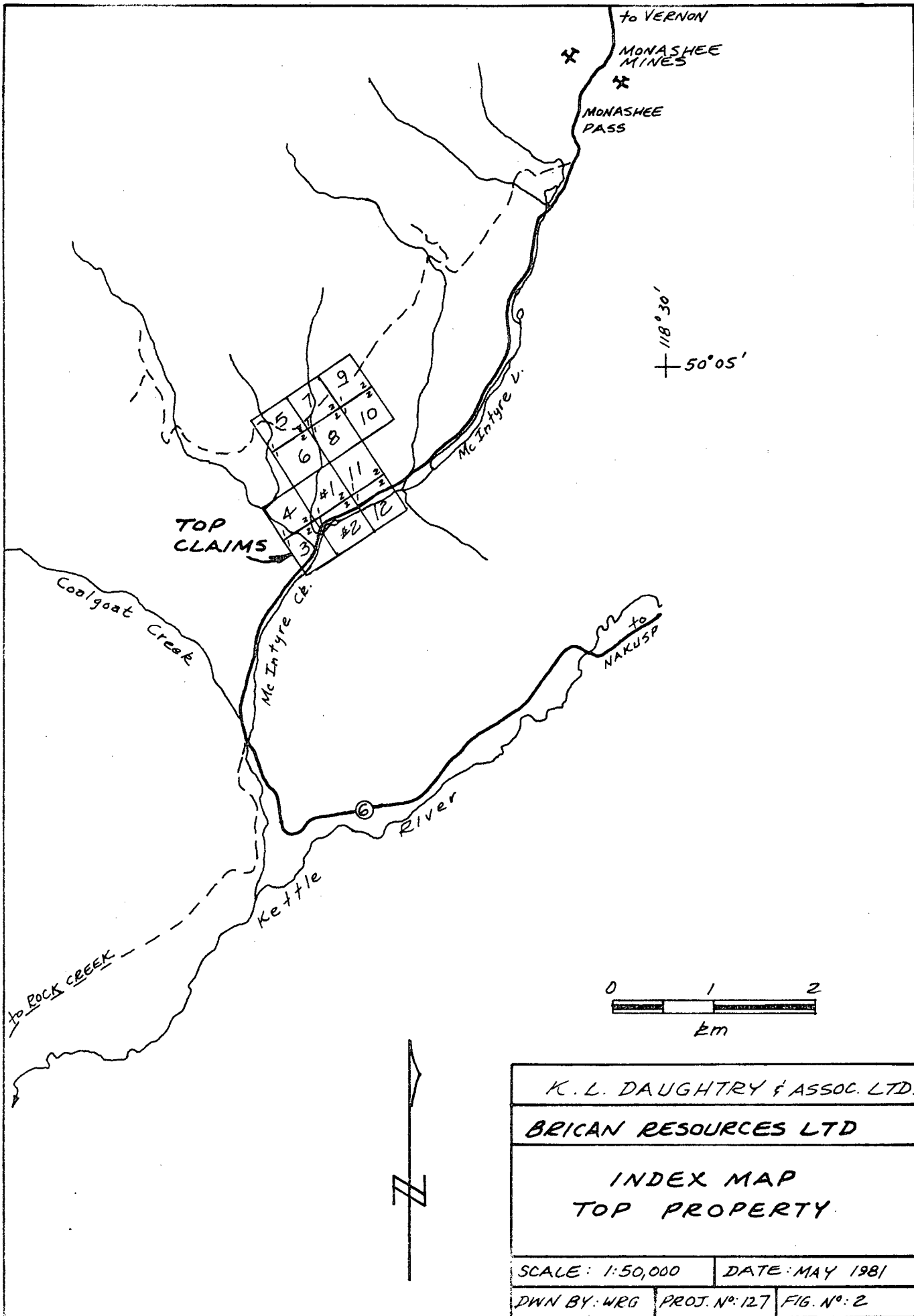
LOCATION, ACCESS, TOPOGRAPHY

The TOP property is in the Monashee Mountains, 4 km southwest of Monashee Pass and astride McIntyre Creek and Highway 6 (Figure 2), in the Vernon Mining Division.

The National Topographic System map reference is 82L/2E and the co-ordinates of the showings are $50^{\circ} 04.3'$ north and $118^{\circ} 32.8'$ west.

Elevations on the property range from 1170 m at McIntyre Creek to 1500 m at the north end of the property. The topography has a moderate to steep southeast slope down to McIntyre Creek which is in a narrow 100 m to 200 m wide valley.

Good access is provided by Highway 6 from Vernon, a distance of 80 km to the west. The community of Cherryville is 30 km towards Vernon on Highway 6.



PROPERTY

The property consists of twelve, 2-post mineral claims (Figure 2) as described in the following table.

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>	<u>Registered Owner</u>
Top#1 - Top#2	412 - 413	March 23, 1983	J.E.Irwin
Top 3 - Top 6	932 - 935	October 10, 1983	A.D.Irwin
Top 7 - Top 12	936 - 941	October 10, 1982	A.D.Irwin

The above claims are grouped as the TOP group.

The ownership of these claims is subject to an agreement, dated November 12, 1980, between J.E.Irwin, acting for himself and A.D.Irwin, and Brican Resources Ltd.

HISTORY

In the late 1960's Alf Brewer of Vernon staked the DUCE group over the showings and did minor bulldozer trenching.

In 1973, New Cinch Uranium carried out a programme of backhoe trenching, sampling and about 1000 feet of diamond drilling in 5 holes. New Cinch dropped their option in 1974.

In 1980 Brican Resources acquired an option on the TOP claims.

GEOLOGY & MINERALIZATION

The TOP property is underlain by granitic rocks of the "Nelson" batholith of Jurassic age. Sedimentary and volcanic rocks of Paleozoic and Mesozoic age occur about 4.5 km north of the property. Tertiary volcanic rocks occur 1.5 km northwest of the property. Both xenoliths and Tertiary dykes are noted in the area of the property.

Vein-type gold-silver mineralization occurs in several places in the Monashee Pass area. There has been minor production from these quartz, galena, sphalerite, arsenopyrite, chalcopyrite veins. Significant placer gold was mined from local creeks in the latter part of the 19th Century.

On the TOP property, gold-silver mineralization occurs in a shear zone cutting granite at a 005° strike and a steep westward dip. The shear zone has been traced by trenching for 150 m on surface and varies from 0.3 m to 12 m wide, widening to the south (Figure 4). The shear zone has undergone intense alteration, shearing, brecciation, silicification and is mineralized with pyrite and arsenopyrite.

GEOCHEMICAL SURVEY

An orientation silt and soil programme was carried out to aid future exploration. A 1400 m north-south blazed and flagged picket baseline and 2520 m of flagged crosslines were installed for ground control (Figure 3).

The silt samples were collected in numbered Kraft paper bags and sent to Bondar-Clegg & Co. Ltd. for analysis. The -80 mesh fraction was subject to hot aqua regia digestion and analysed by atomic absorption methods for silver and by combined fire assay-atomic absorption for gold. Nine samples contained <5 ppb Au and 1 sample gave a value of 5 ppb Au. Silver values ranged from 0.2 ppm to 0.6 ppm, with all but two samples containing 0.2 ppm Ag.

A soil sampling survey was carried out on a 50 m by 20 m grid in the area of the known extent of the shear zone (Figures 3 to 8). Fifty seven (57) samples were collected in numbered Kraft paper bags and sent to Bondar-Clegg & Co. Ltd. for analysis. Wherever possible the samples were collected from the B horizon, at approximately 15 cm depth. The -80 mesh fraction was subject to hot aqua regia digestion and analysed by atomic absorption (Ag, H, Cu), by combined fire assay-atomic absorption (Au), and by colorimetric (As) methods.

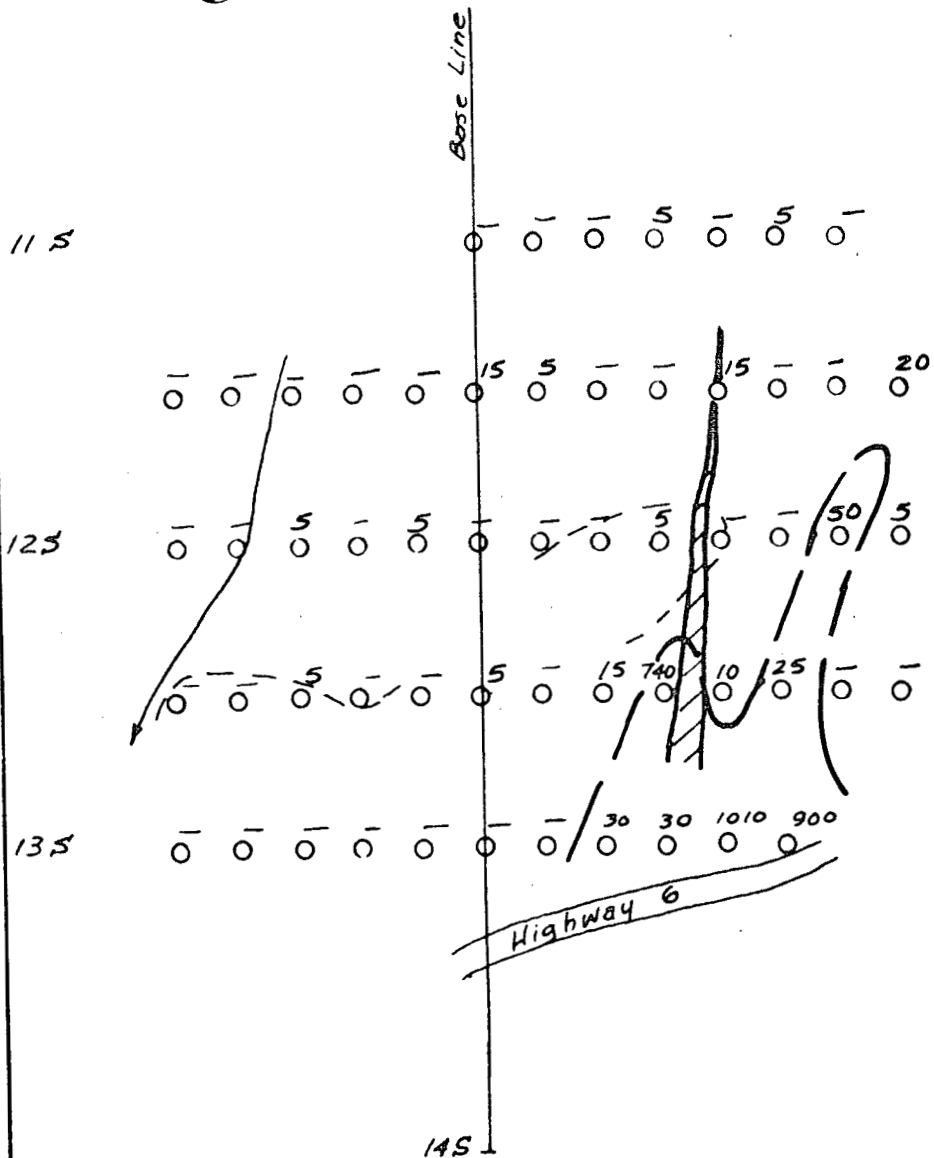
Table 1 summarizes the distribution of the geochemical values.

Table 1

	Detection						No. Anomalous	High Anomalous	Low Anomalous	
	<u>Limit</u>	<u>Number</u>	<u>Range</u>	<u>Mean</u>	<u>Median</u>	<u>Mode</u>	<u>Samples</u>	<u>Values</u>	<u>Values</u>	
Au	ppb	5	57	<5 - 1010	5*	<5	<5	7	740,900,1010	25,30,30,50
Ag	ppm	0.1	57	0.2-5.8	0.4	0.2	0.2	4	1.5,1.6,5.8	0.8
Hg	ppb	5	57	5 - 100	26	15	10	6	--	55,60,65,65,90,100
As	ppm	2	57	<2 ->1,000	35**	5	5	12	70,90,110,115, 580,750,>1000	10,10,12,13,14
Cu	ppm	1	57	2-29	15	14	12	--	--	--


* excluding high anomalous values

** excluding >1,000 sample



05 ppb Au

(C) anomalous values contoured

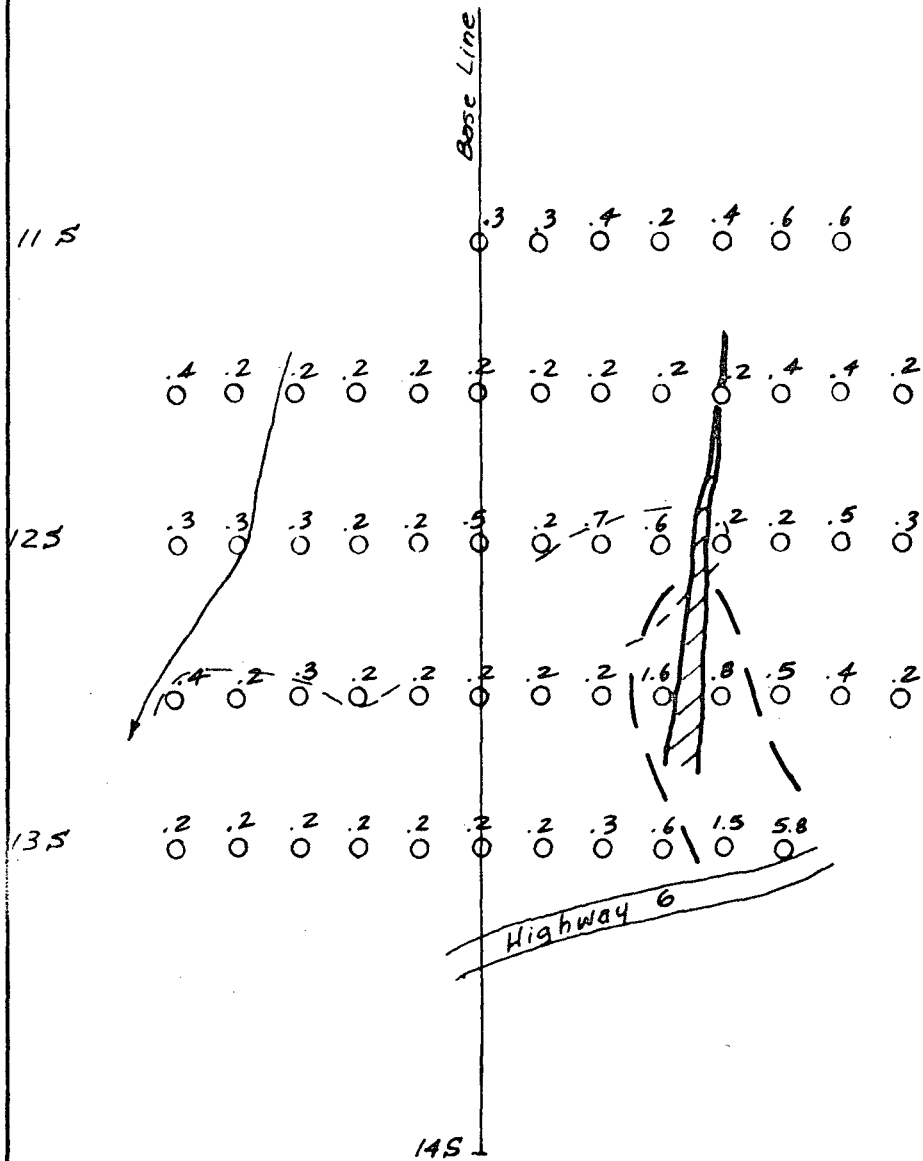
 shear zone as delineated by trenching

 old road

 creek

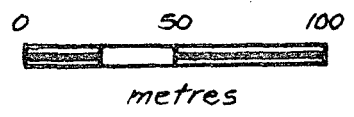


K. L. DAUGHTRY & ASSOC. LTD.		
BRICAN RESOURCES LTD.		
GOLD IN SOILS		
TOP PROPERTY		
VERNON M.D.	B.C.	82L/2E
SCALE: 1:2500		DATE: MAY, 1981
DWN BY: WRG	PROJ. NO: 127	FIGURE NO: 4

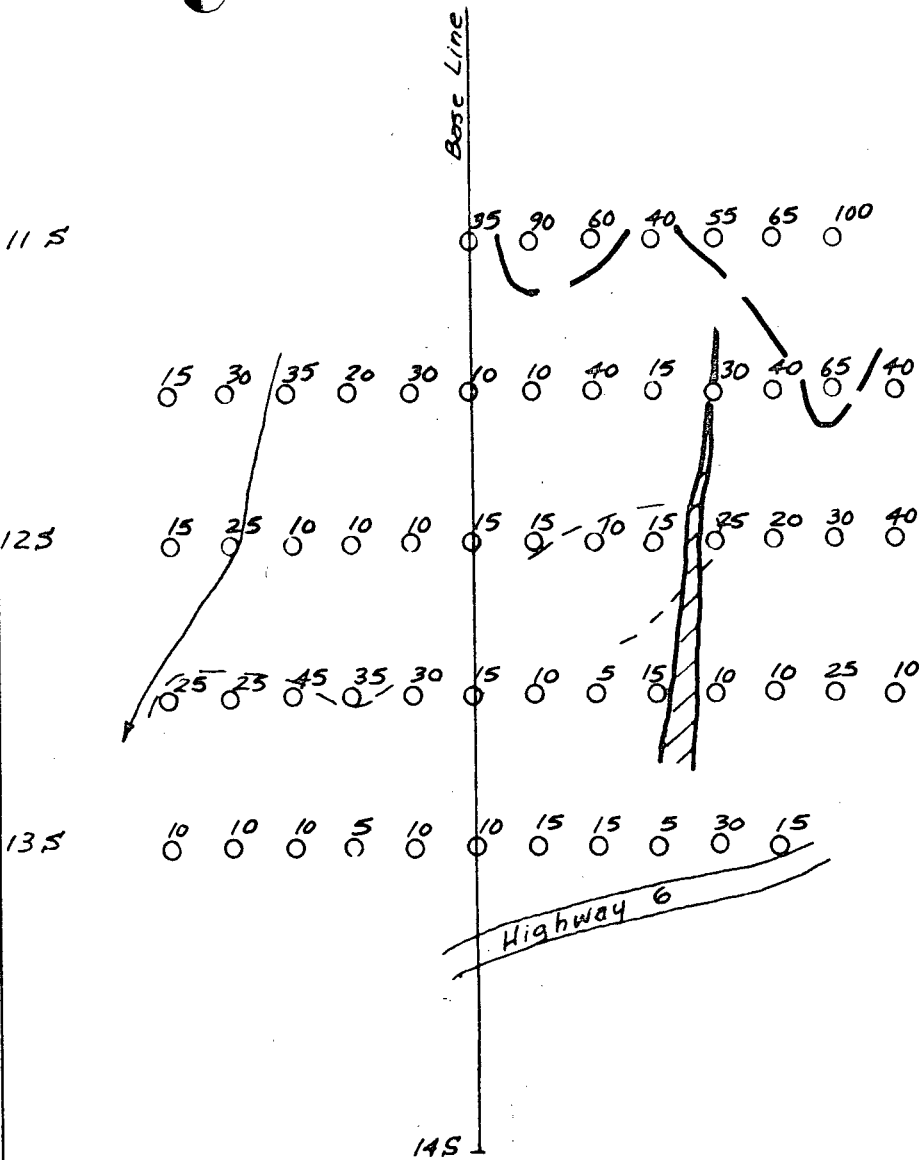


0.2 .2 ppm Ag
 CD anomalous values contoured

H shear zone as delineated by trenching
 --- old road
 ~~~~~ creek

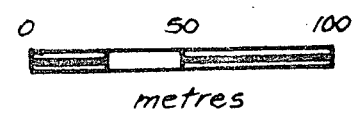


|                              |               |                 |
|------------------------------|---------------|-----------------|
| K. L. DAUGHTRY & ASSOC. LTD. |               |                 |
| BRICAN RESOURCES LTD.        |               |                 |
| SILVER IN SOILS              |               |                 |
| TOP PROPERTY                 |               |                 |
| VERNON M.D.                  | B.C.          | 82L/2E          |
| SCALE: 1:2500                |               | DATE: MAY, 1981 |
| DWN BY: WRG                  | PROJ. NO: 127 | FIGURE NO: 5    |

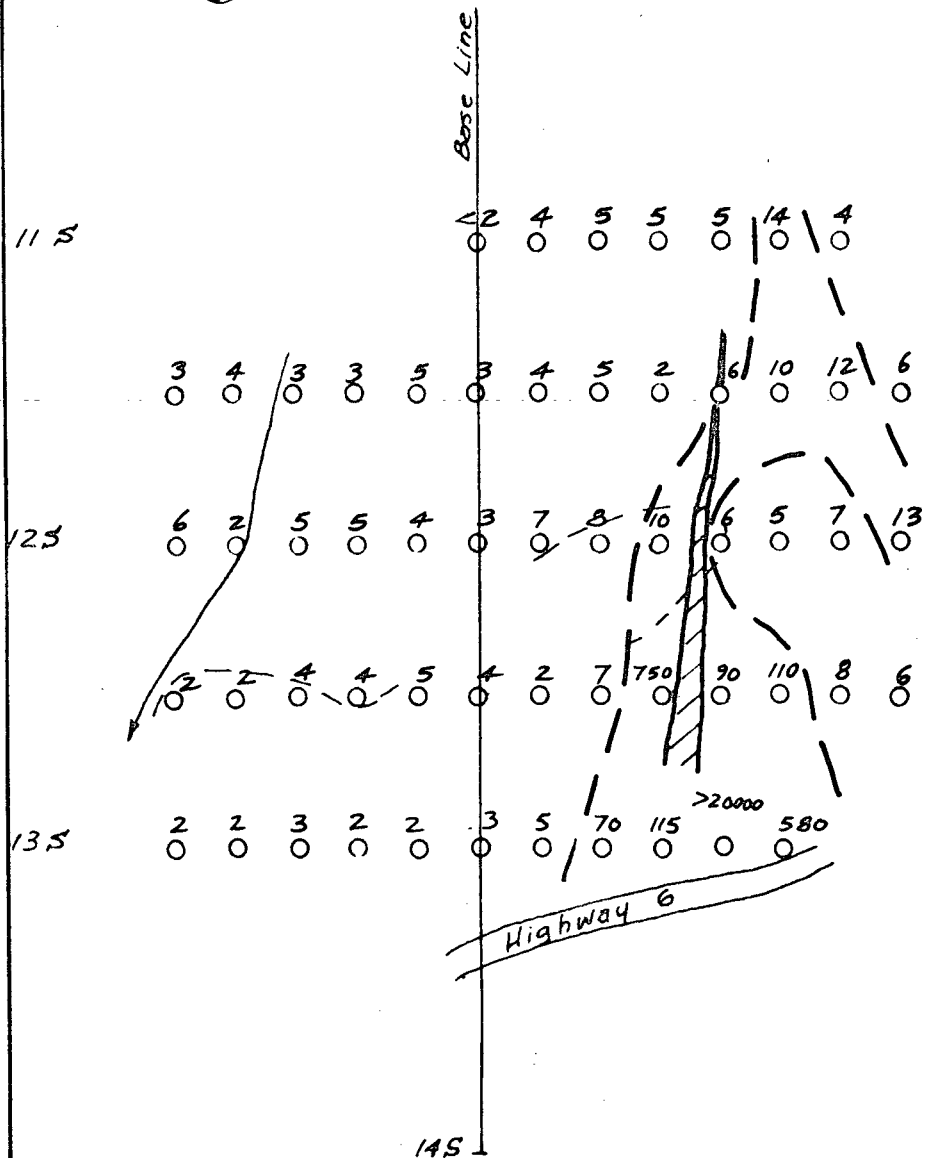


○ 15 ppb Hg  
 <○> anomalous values contoured

shear zone as delineated by trenching  
 - - - old road  
 ~~~~~ creek

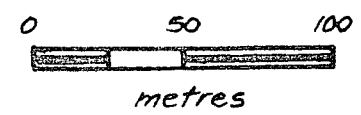


| | | |
|------------------------------|---------------|-----------------|
| K. L. DAUGHTRY & ASSOC. LTD. | | |
| BRICAN RESOURCES LTD. | | |
| MERCURY IN SOILS | | |
| TOP PROPERTY | | |
| VERNON M.D. | B.C. | 82L/2E |
| SCALE: 1:2500 | | DATE: MAY, 1981 |
| DWN BY: WRG | PROJ. NO: 127 | FIGURE NO: 6 |

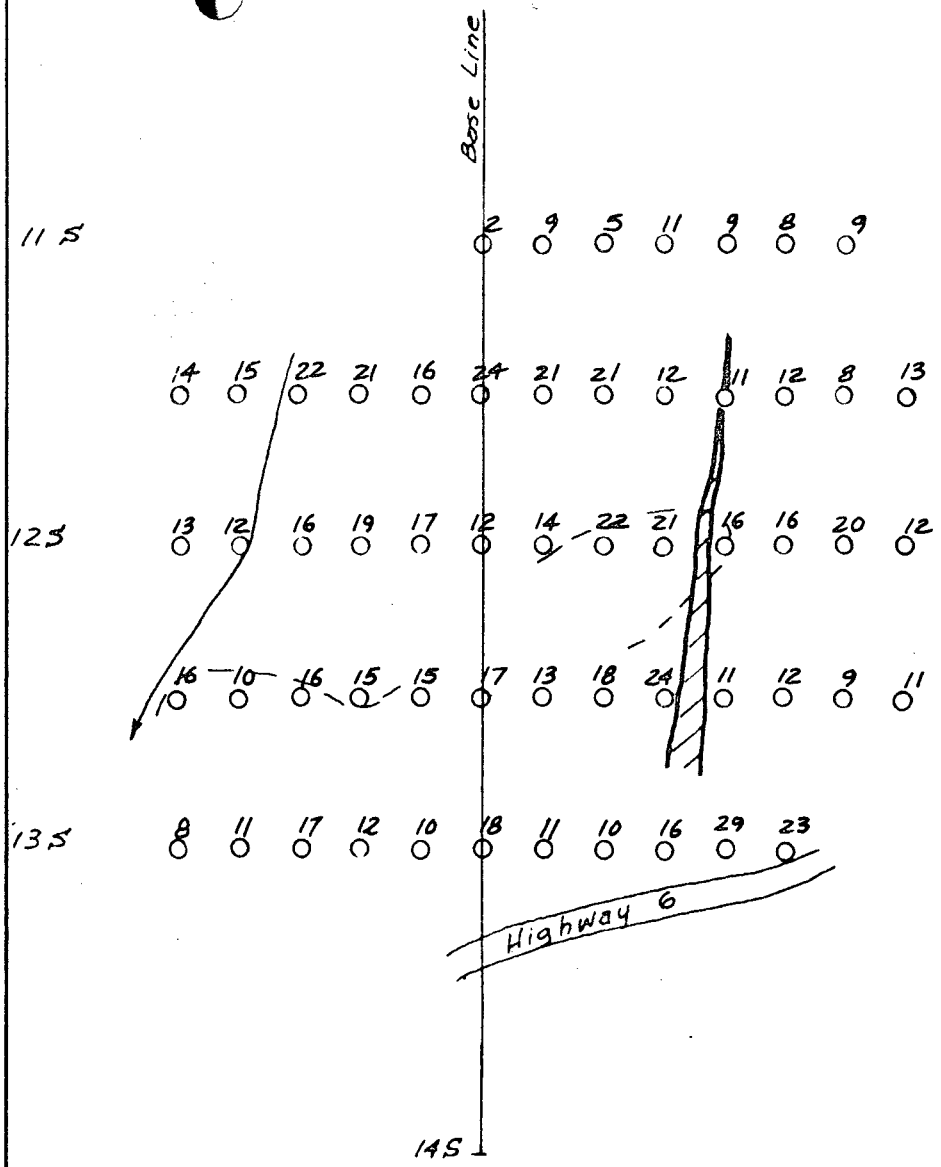


05 5 ppm As
 () anomalous values contoured




shear zone as delineated by trenching
 - - - old road
 ~~~~~ creek

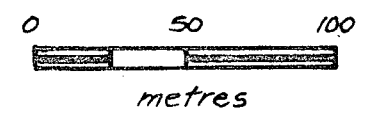


|                              |               |                 |
|------------------------------|---------------|-----------------|
| K. L. DAUGHTRY & ASSOC. LTD. |               |                 |
| BRICAN RESOURCES LTD.        |               |                 |
| ARSENIC IN SOILS             |               |                 |
| TOP PROPERTY                 |               |                 |
| VERNON M.D.                  | B.C.          | 82L/2E          |
| SCALE: 1:2500                |               | DATE: MAY, 1981 |
| DWN BY: WRG                  | PROJ. NO: 127 | FIGURE NO: 7    |



○ 12      12 ppm Cu

-  shear zone as delineated by trenching
-  old road
-  creek



|                              |               |                 |
|------------------------------|---------------|-----------------|
| K. L. DAUGHTRY & ASSOC. LTD. |               |                 |
| BRICAN RESOURCES LTD.        |               |                 |
| COPPER IN SOILS              |               |                 |
| TOP PROPERTY                 |               |                 |
| VERNON M.D.                  | B.C.          | 82L/2E          |
| SCALE: 1:2500                |               | DATE: MAY, 1981 |
| DWN BY: WRG                  | PROJ. NO: 127 | FIGURE NO: B    |

DISCUSSIONS & CONCLUSIONS

The orientation geochemical survey was conducted to determine which elements would be most useful in exploration for gold-silver mineralization. Although the small number of samples makes interpretation of the data somewhat subjective, the following conclusions can be reached.

Silt survey

The orientation silt sampling programme demonstrated that the area of the TOP property has low background values in gold and silver. Any anomalous values obtained in detailed sampling would be significant.

Soil survey

1. Arsenic, gold and silver are present in anomalous values near or coincident, in most cases, with the shear zone. Some of the values are very high: Au 1.0 ppm, Ag 5.8 ppm, As >1,000 ppm.
2. A cluster of low anomalous values of mercury occur north of the known extent of the shear zone. The controls on this mercury anomaly are not known at present.
3. No anomalous copper values were obtained.



Gold, silver and arsenic analysis of soils appears to be potentially useful in future geochemical exploration on the TOP property. However, the relatively narrow exploration target can result in high costs if the entire property is sampled at close intervals. Therefore it is important to reduce the area of detailed exploration by incorporating geochemical, geological and geophysical techniques. The altered shear zone, and possibly offset faults, should be traceable by geophysical methods in the surrounding massive granitic rocks.

RECOMMENDATIONS

The following programme is recommended.

Phase A:

1. Geological mapping and prospecting to look for extensions of the shear zone, possible offset faults and other parallel shear zones.
2. A soil survey with more detail in geologically favourable areas. The samples should be analysed for gold, arsenic and silver.
3. Orientation magnetometer and electromagnetometer surveys should be run over the shear zone to test the geophysical response. Depending upon the results, a geophysical survey should be used as an exploration tool.

Phase B:

1. Backhoe trenching of geochemical, geophysical and geological targets would follow.

Phase C:

1. Delineation and evaluation of gold-silver mineralization by drilling.

Respectfully submitted,



W.R. Gilmour

May 31, 1981

REFERENCES

- Chisholm, E.O. (1968-74) Private Reports  
---- (1974) Diamond Drill Report on GOLD and TOP Claims,  
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- Daughtry, K.L. -- Private Reports  
---- (1973) Report on GOLD and TOP Mineral Claims, Vernon  
M.D., for New Cinch Uranium Ltd.  
---- (1977) Report on the GOLD Property, Vernon M.D., for  
New Aston Resources Ltd.
- G.E.M. (1973) pp 98-99 TOP  
---- (1974) pp 88-89 TOP
- Jones, A.G. (1959) Vernon Map Area, G.S.C. Memoir 296
- Mitchell, M.A. (1977) Report on GOLD Mineral Claims, Vernon M.D.
- Okulitch, A.V. G.S.C. Open File 637

STATEMENT OF COSTS

|     |                            |               |           |
|-----|----------------------------|---------------|-----------|
| 1). | Professional Services      |               |           |
|     | K.L.Daughtry, P.Eng.       |               |           |
|     | 0.5 days @ \$250/diem      | \$125.00      |           |
|     | W.R.Gilmour, geologist     |               |           |
|     | 3.5 days @ \$200/diem      | <u>700.00</u> |           |
|     |                            | \$825.00      | \$ 825.00 |
| 2). | Labour                     |               |           |
|     | J.Graham, prospector       |               |           |
|     | 5.5 days @ \$150/diem      |               |           |
|     | November 11, 12, May 11,   |               |           |
|     | 12, 16, 20                 | 825.00        | 825.00    |
| 3). | Transportation             |               |           |
|     | 4 X 4 vehicle              |               |           |
|     | November 11, 12, May 11,   |               |           |
|     | 12, 16, 20                 |               |           |
|     | 5.5 days @ \$25/day        | 137.50        |           |
|     | 856 km @ \$.20/km          | 171.20        |           |
|     | gas, oil                   | <u>50.70</u>  |           |
|     |                            | 359.40        | 359.40    |
| 4). | Accomodation, Meals        |               |           |
|     | 2 days @ \$35/day          | 70.00         | 70.00     |
| 5). | Geochemical Analysis       |               |           |
|     | 10 Silt Samples for        |               |           |
|     | gold @ \$4.25              | 42.50         |           |
|     | silver @ \$1.65            | 16.50         |           |
|     | sample preparation @ \$.50 | <u>5.00</u>   |           |
|     |                            | 64.00         | 64.00     |

|                                                          |              |                         |
|----------------------------------------------------------|--------------|-------------------------|
| 57 Soil Samples for                                      |              |                         |
| gold @ \$5.25                                            | \$299.25     |                         |
| silver @ \$1.25                                          | 71.25        |                         |
| mercury @ \$3.50                                         | 199.50       |                         |
| arsenic @ \$2.90                                         | 165.30       |                         |
| copper @ \$1.25                                          | 71.25        |                         |
| sample preparation @ .60                                 | <u>34.20</u> |                         |
|                                                          | 840.75       | \$ 840.75               |
| <br>                                                     |              |                         |
| 6). Field supplies                                       | 23.85        | 23.85                   |
| <br>                                                     |              |                         |
| 7). Office, telephone, shipping<br>printing, secretarial | 312.49       | <u>312.49</u>           |
| <br>                                                     |              |                         |
|                                                          | TOTAL        | <u><u>\$3320.49</u></u> |

STATEMENT OF QUALIFICATIONS

I, W.R.Gilmour, of 13511 Sumac Lane, Vernon, B.C., V1B 1A1, DO HEREBY CERTIFY that:

1. I am a Consulting Geologist in mineral exploration employed by W.R.Gilmour & Associates Ltd., Vernon.
2. I have been practising my profession in British Columbia, the Yukon Territory, and Nevada for 11 years.
3. I am a graduate of the University of British Columbia with a Bachelor of Science degree in geology.
4. I am a Fellow of the Geological Association of Canada.
5. This report is based upon knowledge of the TOP property gained from an examination of the showings on the property and from the study of numerous reports on the property.

Vernon, B.C.

May 31, 1981



W.R.Gilmour

STATEMENT OF QUALIFICATIONS

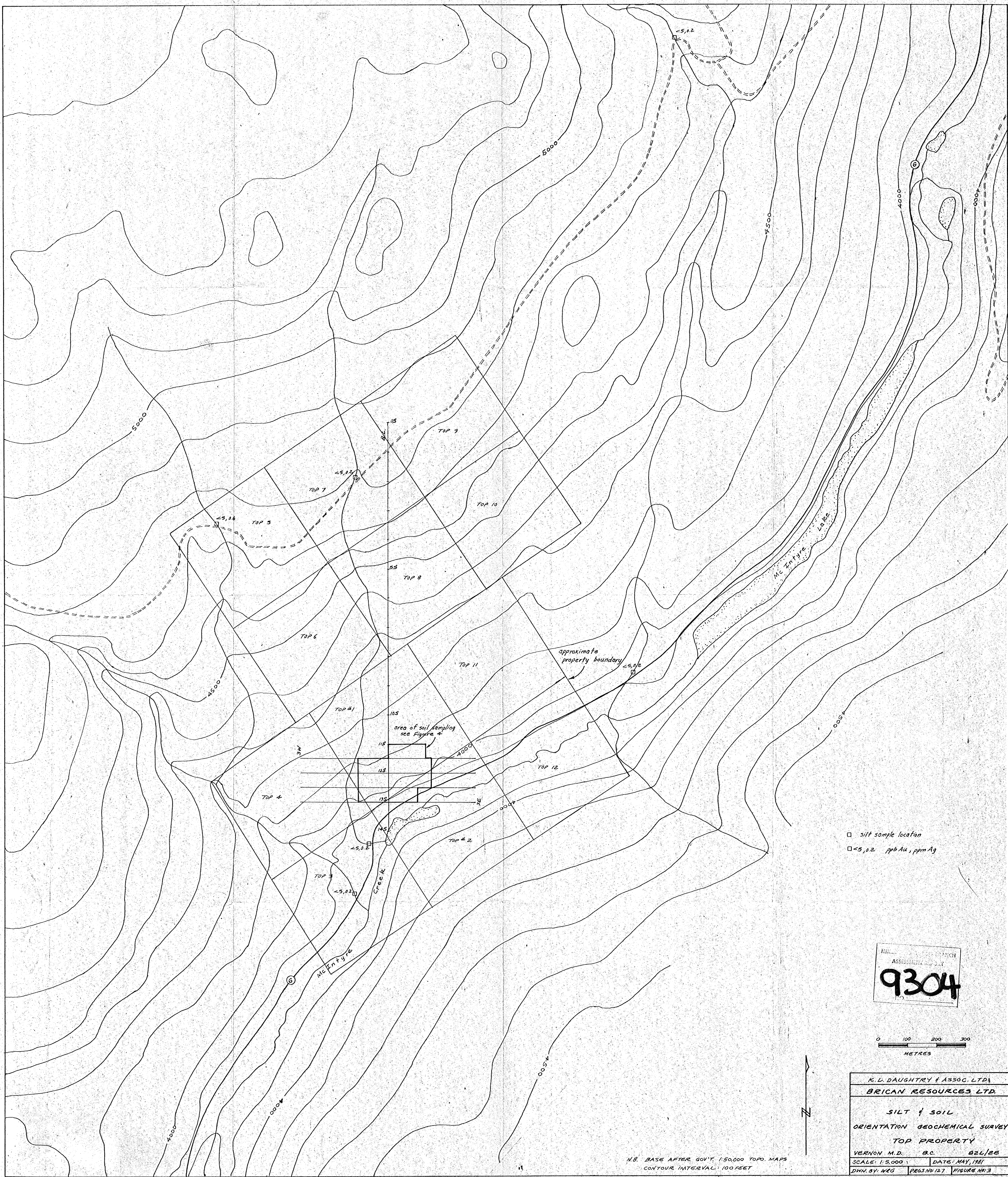
I, KENNETH L. DAUGHTRY, of R.R. #4, Vernon, British Columbia,  
DO HEREBY CERTIFY that:

1. I am a Consulting Geologist in Mineral exploration.
2. I have been practising my profession for sixteen years in Canada, the United States, and Ireland.
3. I am a graduate of Carleton University, Ottawa, with a Bachelor of Science degree in Geology and Chemistry.
4. I am a member of the Association of Professional Engineers of British Columbia, Ontario, and Yukon Territory, and a Fellow of the Geological Association of Canada.
5. This report is based upon knowledge of the TOP property gained from exploration work on the property.
6. I am a Director of Brican Resources Ltd.

Vernon, B.C.

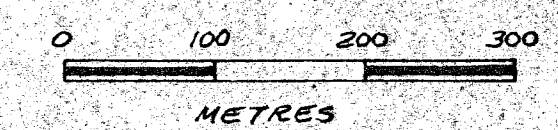
May 31, 1981

K.L. Daughtry, P.Eng.



- silt sample location
- $5,02$  ppb Au, ppm Ag

ASSESSMENT BRANCH  
**9304**



|                                                               |                            |
|---------------------------------------------------------------|----------------------------|
| K. D. DAUGHTRY & ASSOC. LTD.                                  |                            |
| BRICAN RESOURCES LTD.                                         |                            |
| SILT & SOIL<br>ORIENTATION GEOCHEMICAL SURVEY<br>TOP PROPERTY |                            |
| VERNON M.D.                                                   | B.C. 824/28                |
| SCALE: 1:5,000                                                | DATE: MAY, 1981            |
| DRN. BY: WEG                                                  | PEOJ. NO: 127 FIGURE NO: 3 |

N.B. BASE AFTER GOV'T. 1:50,000 TOPO. MAPS  
 CONTOUR INTERVAL: 100 FEET