

GEOPHYSICAL

ASSESSMENT REPORT

on the

TOP PROPERTY

(TOP & BOTTOM 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: June 15, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,191

TABLE OF CONTENTS

SUMMARY Page 1

LOCATION, ACCESS, TOPOGRAPHY Page 2

PROPERTY Page 3

HISTORY Page 4

GEOLOGY & MINERALIZATION Page 5

MAGNETOMETER SURVEY Page 6

DISCUSSION AND CONCLUSIONS Page 7

RECOMMENDATIONS Page 8

REFERENCES Page 9

STATEMENT OF COSTS Page 10

STATEMENT OF QUALIFICATIONS Page 11

LIST OF ILLUSTRATIONS

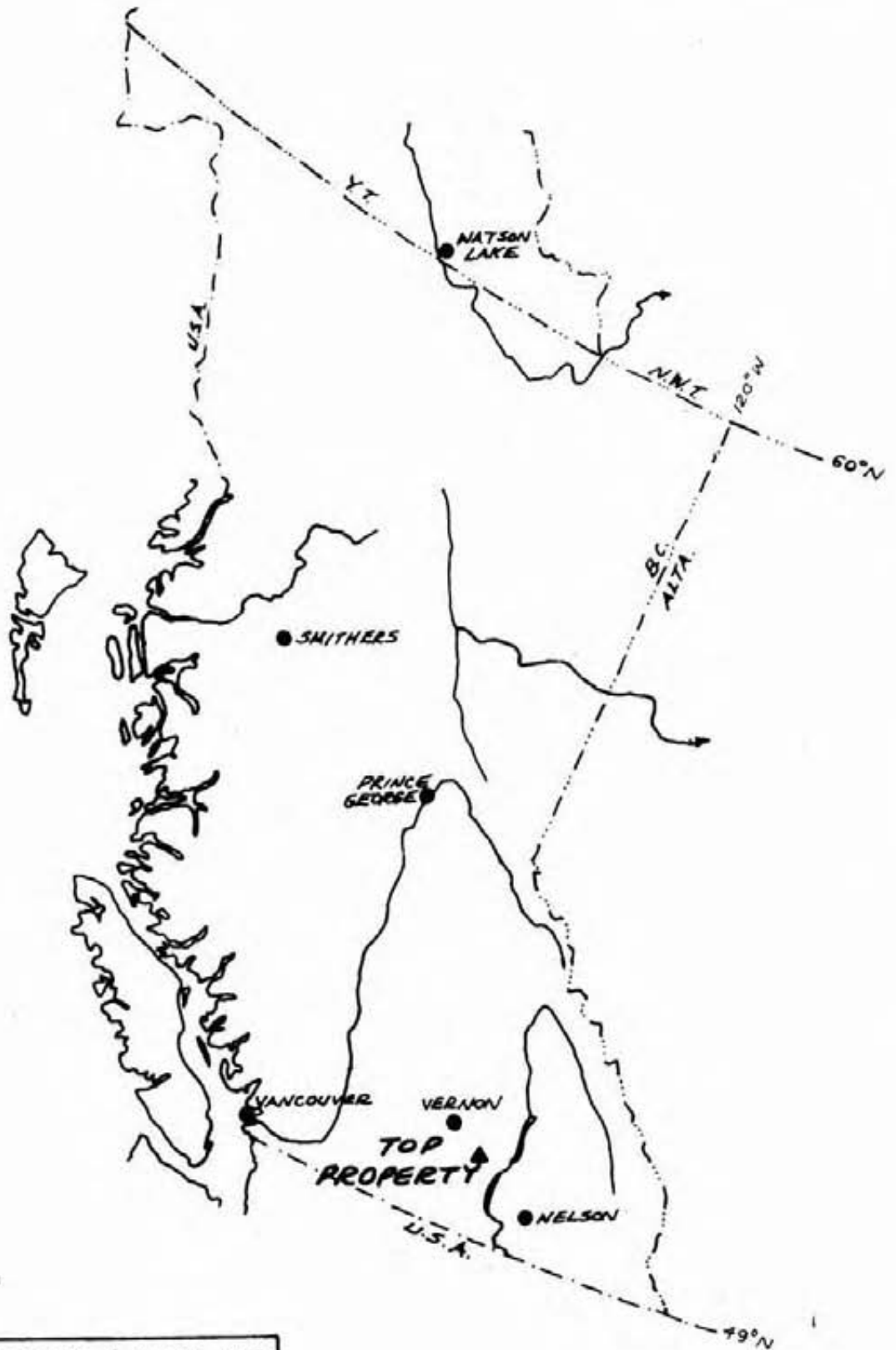
Figure 1	Location Map	Following Page 1
Figure 2	Claim Map 1:50,000	Following Page 2
Figure 3	Index Map 1:50,000	Following Page 6
Figure 4	Magnetometer Survey - TOP claims	In pocket
Figure 5	Magnetometer Survey - TOP claims contoured	In pocket
Figure 6	Magnetometer Survey - TOP claims interpretation	In pocket
Figure 7	Magnetometer Survey - BOTTOM claims	In pocket
Figure 8	Magnetometer Survey - BOTTOM claims contoured	In pocket

SUMMARY

The TOP property, under option to Brican Resources Limited, is located 55 km east-southeast of Vernon, B.C. This report presents the results of exploration work carried out during June, 1982.

During 1982, 6.5 km of grid lines were installed. A magnetometer survey, totalling 9.2 line-kilometres, was carried out over parts of the property. The survey appears to be useful in mapping geology and geological structures.

The property exhibits exploration potential and a programme of further exploration is warranted.



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LOCATION MAP
TOP PROPERTY

JUNE, 1983

FIG. NO. 1

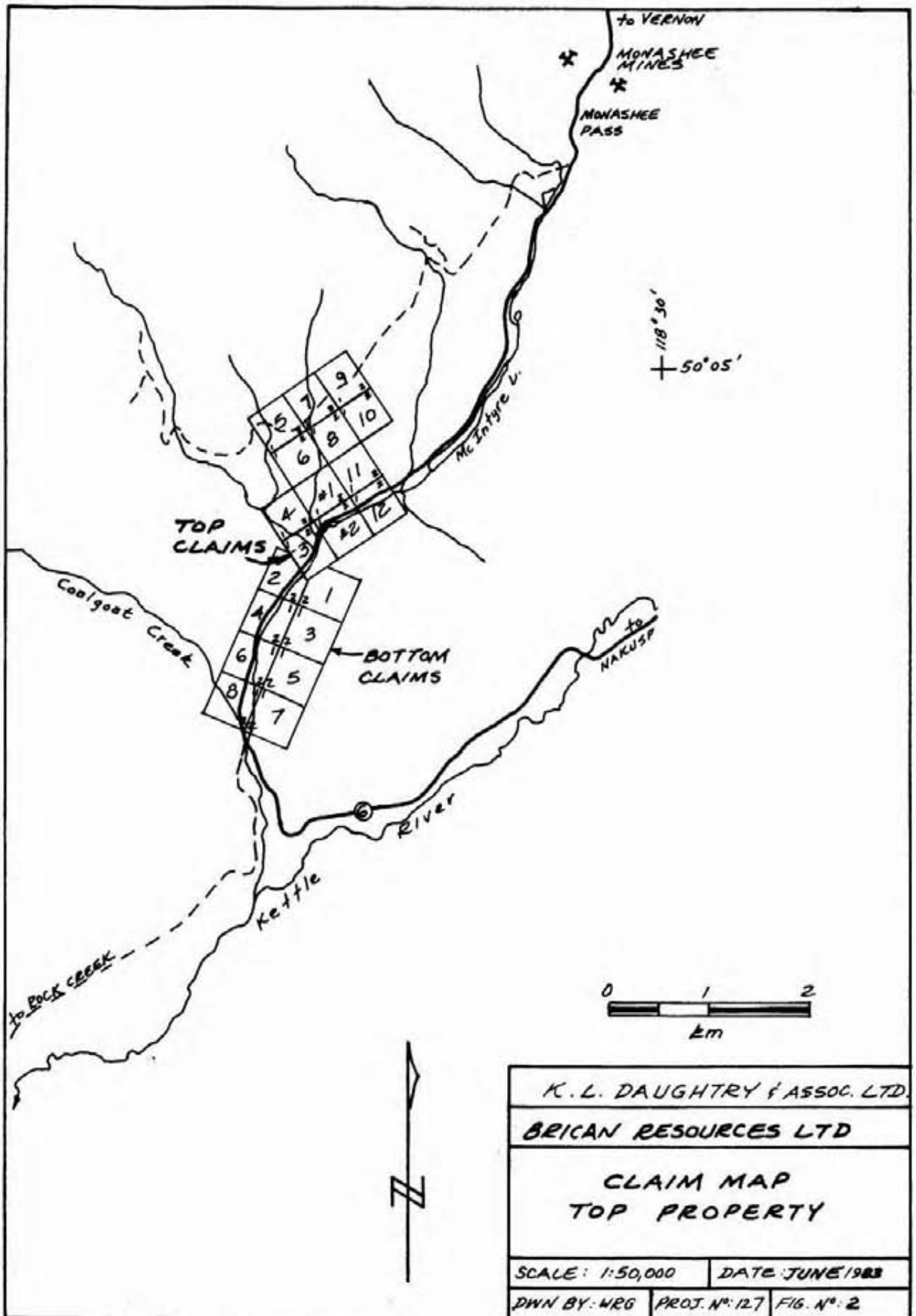
LOCATION, ACCESS, TOPOGRAPHY

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 1150 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.



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**CLAIM MAP
TOP PROPERTY**

SCALE: 1:50,000

DATE: JUNE 1988

DWN BY: WRG

PROJ. N°: 127

FIG. N°: 2

PROPERTY

The property consists of twenty 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, 1986	Brican Resources Ltd.
Top 5 - Top 6	934 - 935	October 10, 1985	Brican Resources Ltd.
Top 3 - Top 4	932 - 933	October 10, 1986	Brican Resources Ltd.
Top 7 - Top 12	936 - 941	October 10, 1986	Brican Resources Ltd.
Bottom 1-Bottom 8	1197 -1204	February 15, 1985	J. M. Graham

The above claims are grouped as the TOP group. The expiry date on the BOTTOM claims is correct, assuming acceptance of this assessment report.

The ownership of the TOP 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. The BOTTOM claims are beneficially owned by 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 and during 1980 - 1981 carried out trenching, geological mapping and rock and soil sampling.

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 within the batholith 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. Tertiary biotite lamprophyre dykes are spatially associated with and pre-date the shear zone.

The north-south striking shear zone can be traced for 170 m on surface. The width of intensely altered rock varies from 0.3 to 7 metres. In trench #3 the zone is vertical, however, down the hill in trench #1 and the highway cut, the zone appears to dip westerly at about 45 degrees. The zone has probably been offset by east-west faults.

Much of the zone has been completely altered to clay, while in other places brecciation of granite and some lamprophyre occurs. Silicification and quartz veining are much less common. Pyrite was noted in quartz veins and brecciated altered granite, and arsenopyrite occurs in quartz veins. Relatively unaltered rocks appear to be enclosed within highly altered zones.

MAGNETOMETER SURVEY

A Geometrics Unimag II proton magnetometer (model G-684) was used to carry out magnetometer surveys on two portions of the property (Figure 3).

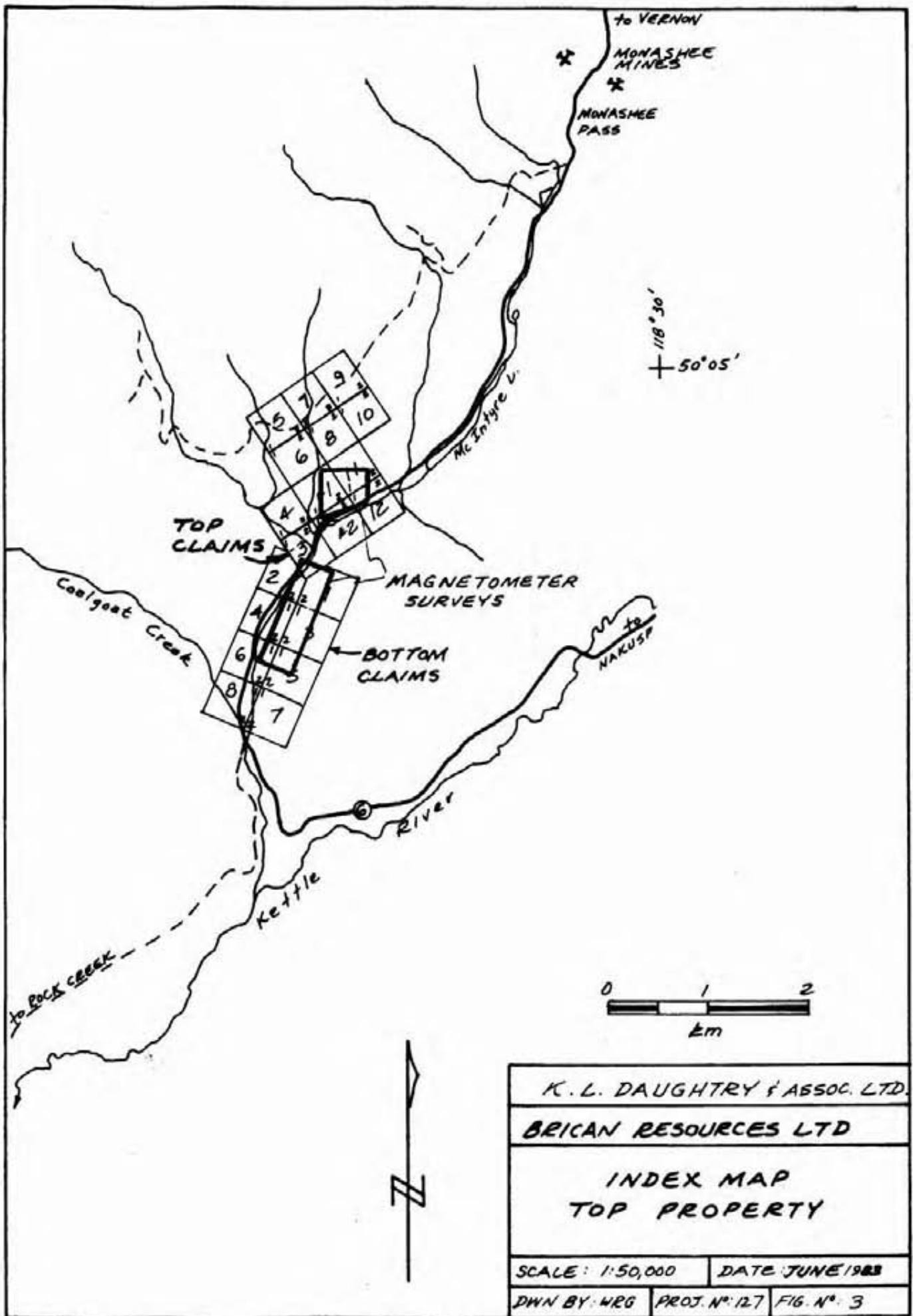
Diurnal variations were noted and did not exceed 40 gammas.

TOP claims

Magnetometer readings (Figure 4) were taken over 4.8 km of line on 50 m x 20 m and 25 m x 20 m grids. Readings varied from 57175 to 58314 gammas, a range of 1140 gammas. The values were contoured at 100 gammas intervals (Figure 5).

BOTTOM claims

Magnetometer readings (Figure 7) were taken over 4.4 km of line on a 100 m x 25 m grid. Readings varied from 57299 to 58058 gammas, a range of 760 gammas. Most of the readings are between 57500 and 57750 gammas. The 'lows' are contoured at 57410 and 57510 gammas and the 'highs' at 57710, 57800 and 57910 gammas (Figure 8).



DISCUSSIONS & CONCLUSIONS

Significant gold, with minor silver mineralization occurs in a highly altered brecciated shear zone. Gold appears to be associated with clay alteration and with pyrite and arsenopyrite mineralization.

The shear zone on the TOP claims was not delineated by the 25 m x 20 m grid magnetometer survey. The trend of magnetic highs and lows and steep gradients is north to northeast (Figure 6). This prominent trend seems generally to correspond to the trend of geological rock units, especially to mafic dykes. A notable break in this north to northeast trend has been interpreted as a northwesterly-southeasterly striking fault. The shear zone appears to have been truncated by this fault.

The spacing of magnetic readings on the BOTTOM claims is too wide for detailed interpretation although the contoured values show the same north to northeast trends as on the TOP claims.

The shear zone shows variability in degree and extent of alteration and mineralization. These features along with probable late cross faulting and changes in attitude of the zone make exploration by drilling difficult.

The narrowing of the zone and the presence of anomalous mercury in the soils above the main mineralized zone seems to indicate vertical mineralogical zoning. Combined with the intense clay alteration it appears that the TOP property has many characteristics of the upper portion of an epithermal gold deposit.

RECOMMENDATIONS

It is recommended that the zone of gold-silver mineralization be delineated and evaluated by diamond drilling.

Respectfully submitted,



W.R. Gilmour

June 15, 1983.

REFERENCES

- | | | |
|----------------|-----------|--|
| Chisholm, E.O. | (1968-74) | Private Reports |
| -- | (1974) | Diamond Drill Report on GOLD and TOP Claims, Assessment Report 4946 |
| 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 |
| Gilmour, W.R. | (1981) | Geochemical Assessment Report on the TOP property. |
| Gilmour, W.R. | (1982) | Geological & Geochemical Report on the TOP property. |
| 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. supervision 1 day @\$250/day	\$250.00	
	W.R. Gilmour - data compilation, report writing 2 days @\$200/diem	<u>400.00</u>	\$650.00
2.	<u>Labour</u>		
	John Graham, prospector 2 days @\$150/diem June 14,17	300.00	
	Craig Lynes 6 days @\$100/diem June 14-19	<u>600.00</u>	900.00
3.	<u>Vehicles</u>		
	4 x 4 truck June 14-19 6 days @\$30/day	180.00	
	900 km @\$.35/km	270.00	450.00
4.	Field Supplies		50.00
5.	Printing, secretarial		<u>150.00</u>
	Total		\$2,200.00

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 13 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 and a member of the Society of Mining Engineers of the American Institute of Mining, Metallurgical and Petroleum Engineers.
5. This report is based upon knowledge of the TOP property gained from exploration work on the property.



W.R. Gilmour

Vernon, B.C.
June 13, 1983

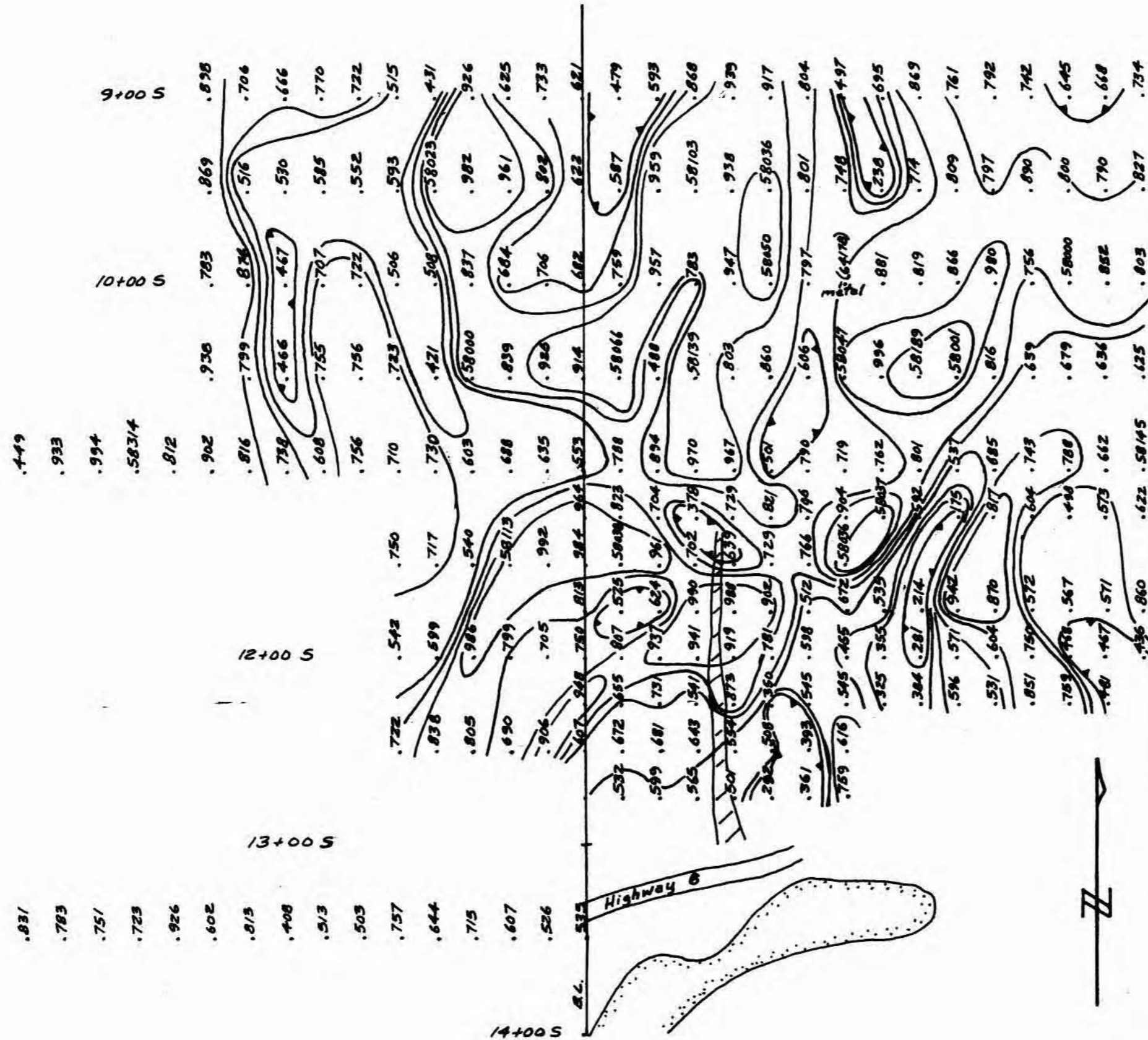
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READINGS IN GAMMAS

ALL READINGS PREFIXED BY 57
UNLESS OTHERWISE INDICATED

INSTRUMENT: GEOMETRICS UNIMAG II
PROTON MAGNETOMETER
MODEL G-864

 SHEAR ZONE AS DELINEATED
BY TRENCHING

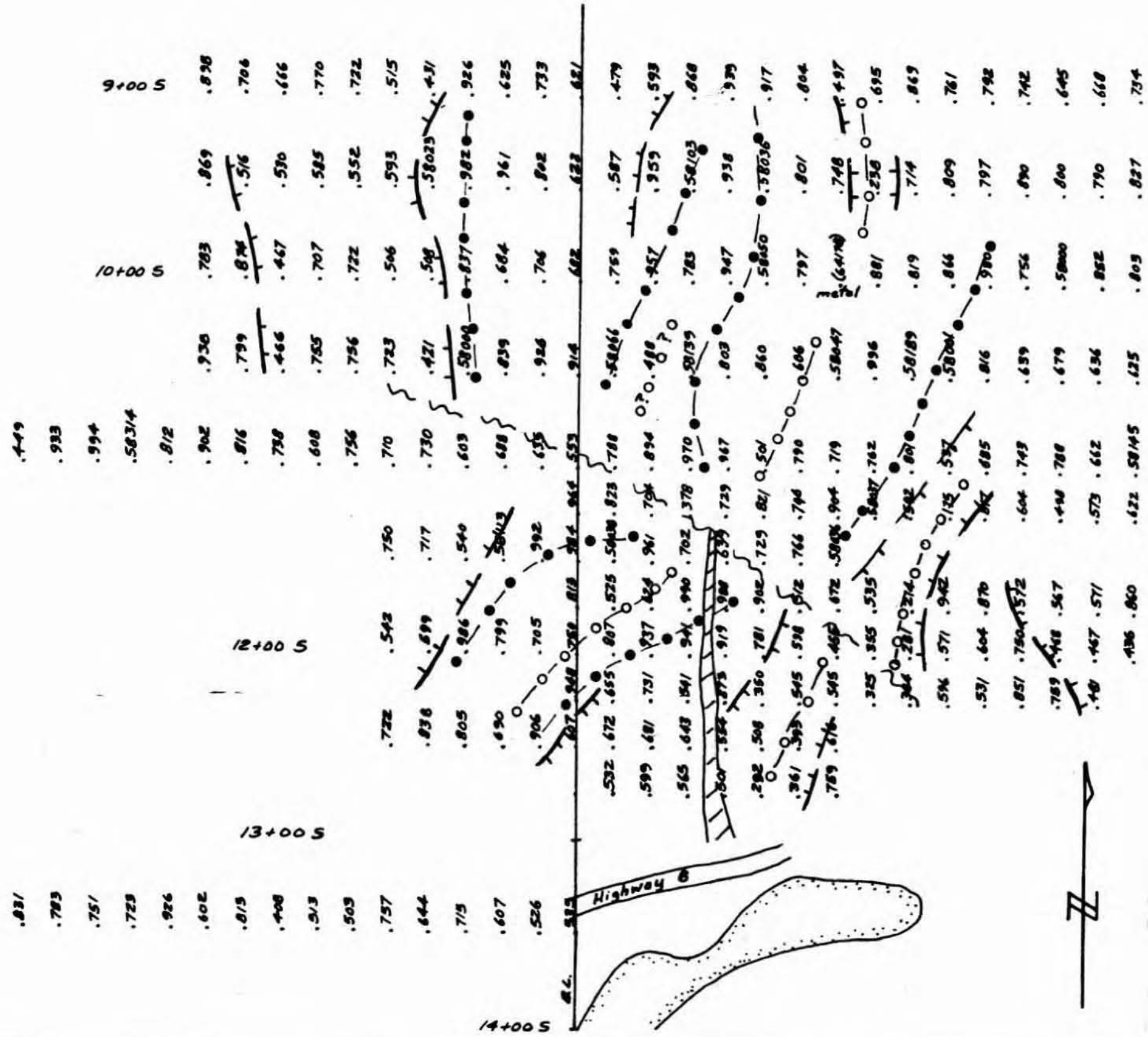







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CONTOURED VALUES MAGNETOMETER SURVEY		
TOP CLAIMS - TOP PROPERTY		
VERNON M.D.	B.C.	824/25
SCALE: 1:2500	DATE: JUNE, 1983	
DWN. BY: WRG	PROJ. NO: 127	FIGURE NO: 5

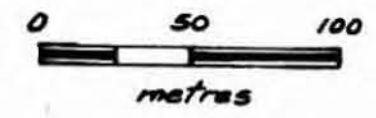
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READINGS IN GAMMAS
ALL READINGS PREFIXED BY 57
UNLESS OTHERWISE INDICATED

INSTRUMENT: GEOMETRICS UNIMAG II
PROTON MAGNETOMETER
MODEL G-864



-  SHEAR ZONE AS DELINEATED BY TRENCHING
-  STEEP MAG GRADIENT
-  TREND OF MAG HIGH
-  TREND OF MAG LOW
-  INTERPRETED FAULT



K.L. DAUGHTRY & ASSOC. LTD.		
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INTERPRETATION MAGNETOMETER SURVEY		
TOP CLAIMS - TOP PROPERTY VERNON M.D. B.C. 824/25		
SCALE: 1:2500	DATE: JUNE, 1983	
DWN. BY: NRG	PROJ. NO: 127	FIGURE NO: 6

.725	.687	.710	.796	.739	.812	.752	.922	.649	.323	940.
.603	.683	.495	.554	.650	.682	.677	.58056	.513	.496	675.
.653	.405	.407	.532	.521	.365	.634	.808	.716	.588	667.
.621	.399	.393	.888	.299	.360	.691	.664	.886	.576	645.
.485	.549	.409	.536	.516	.534	.672	.58038	.550	.690	713.
.825	.540	.457	.511	.357	.597	.775	.822	.736	.668	794.
.687	.546	.456	.571	.556	.499	.628	.58056	.775	.637	844.
.732	.502	.446	.584	.553	.515	.572	.711	.563	.433	805.
.729	.681	.424	.465	.530	.528	.602	.470	.642	.688	690.
.725	.582	.325	.388	.482	.517	.563	.544	.622	.637	802.
.573	.553	.341	.366	.687	.407	.542	.610	.628	.424	820.
.833	.600	.697	.769	.930	.342	.255	.597	.659	.678	921.
.460	.538	.655	.636	.860	.966	.645	.535	.448	.668	775.
.670	.453	.727	.561	.605	.939	.571	.468	.636	.872	494.
.721	.573	.916	.716	.627	.691	.482	.569	.590	.976	695.
.821	.459	.759	.755	.361	.619	.471	.463	.685	.806	711.
.950	.657	.775	.925	.716	.674	.753	.801	.705	.974	862.

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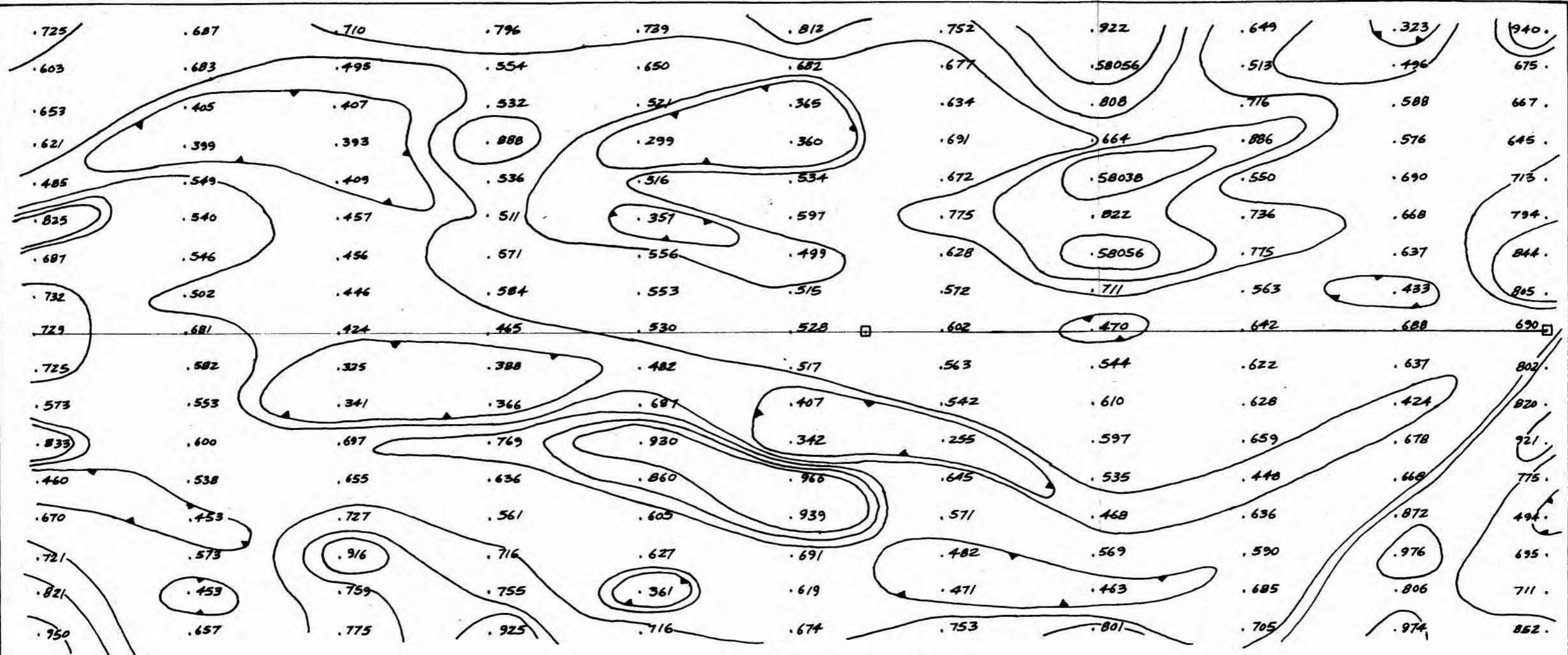


READINGS IN GAMMAS

ALL READINGS PREFIXED BY 57
UNLESS OTHERWISE INDICATED

INSTRUMENT: GEOMETRIC UNIMAG II
PROTON MAGNETOMETER
MODEL G-864

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MAGNETOMETER SURVEY		
BOTTOM CLAIMS - TOP PROPERTY		
82L/2E		
SCALE: 1:2500	DATE: JUNE, 1983	
DWN. BY: WRG	PROJ. N°: 127	FIGURE N°: 7



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**



READINGS IN GAMMAS
ALL READINGS PREFIXED BY 57
UNLESS OTHERWISE INDICATED

INSTRUMENT: GEOMETRIC UNIMAG II
PROTON MAGNETOMETER
MODEL G-864

CONTOURED AT
57410
510
710
800
910

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CONTOURED VALUES	
MAGNETOMETER SURVEY	
BOTTOM CLAIMS - TOP PROPERTY	
82L/ZE	
SCALE: 1:2500	DATE: JUNE, 1983
DWN. BY: WRG	PROJ. N°: 127
	FIGURE N°: 8