

5981

GEOPHYSICAL REPORT  
ON  
THE 92F/2 FOSSELLI CREEK GROUP OF  
COUS CREEK COPPER MINES LTD.

AT  
PORT ALBERNI, B.C.

BY  
N.B. VOLLO, P.ENG  
Sept. 15th, 1976

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 5981 MAP.....

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#1 Map in pocket - Magnetic Survey, 1:5000  
#2 Claim map

### SUMMARY

A magnetic survey was carried out over 25 km. of grid along a zone of copper-magnetite skarn mineralization some 4 km. in length. A series of 1000 to 3000 gamma highs were defined which should be mapped and exposed by trenching where applicable.

### GENERAL

The property is located on Fosselli Creek, about five miles southwest of Port Alberni, and is accessible by good logging roads. Elevations range from 200 to 700 meters above sea level. The area has been almost completely logged off and is in various stages of second growth, some of which is extremely dense.

### CLAIMS

The property consists of 36 claims, all in the Alberni M.D. as follows:

A - 5 to 8 inc.,	Rec. Nos.	19539M-42M
B - 1 to 10 inc.,	" "	20682K-91K
C - 1 to 8 inc.,	" "	20785M-92M
D - 1 to 14 inc.,	" "	20771M-84M

### HISTORY AND PREVIOUS WORK

The showings were staked in 1972 by L. Vezina and were probably uncovered by logging operations. Several pits and trenches have been blasted into the showings.

### GENERAL GEOLOGY

Skarn mineralization occurs near the contact between granodiorite of the Coast Intrusions and Triassic limestones and basic volcanics (J.E. Muller, G.S.C. Map 49-1963). The contact trends north 15° - 20° west through the central part of the property.

### FIELD WORK

Approximately 30 km of grid was chained, blazed and flagged, and a magnetic survey completed. Two to three men were employed from Aug. 11th to Aug. 31st for a total of 44 man days.

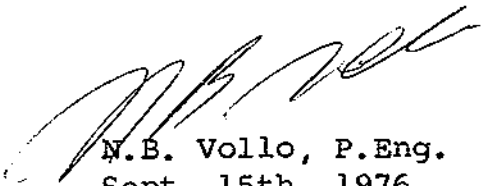
### MAGNETIC SURVEY

Readings were taken at 25 m intervals along lines 200 m apart, closing to 100 m near the showings. A Sharpe MF-1 Fluxgate magnetometer was used and arbitrarily set to 500 gammas at 10,000N, 10,000E. Substations were established along the base line, traverses were looped and correction made for diurnal variation. 1,000 gammas was added to all readings to eliminate negatives.

A series of parallel linear highs, 1000 to 2000 gammas in magnitude, form a zone a few hundred meters wide through the length of the property, parallel to and immediately west of the granodiorite body. Some of these may be associated with basalt but the more intense ones correlate with known magnetic skarn mineralization. Dipole effects suggest dips are to the west.

### CONCLUSIONS AND RECOMMENDATIONS

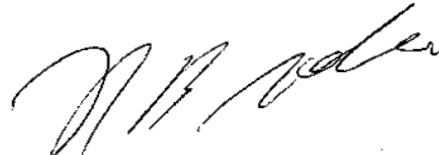
The magnetic highs may indicate extentions of the zones of known skarn mineralization and they should be geologically mapped and examined in detail. Bulldozer trenching may be necessary in areas where outcrop is absent.



N.B. Vollo, P.Eng.  
Sept. 15th, 1976

QUALIFICATIONS OF OPERATOR.

MICHAEL WHITE is 19 years of age and completed Grade XII at Kamloops, B.C.. Has been employed since May, 1976, by Craigmont Mines Limited as Field Assistant and Instrument Operator. He has been carefully instructed in the operation of the Sharpe MF-1 Fluxgate Magnetometer and the undersigned knows his work to be carefully and reliably done.



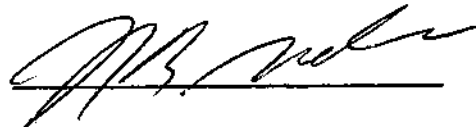
N.B. Vollo, P.Eng.  
Sept. 15th, 1976

AFFIDAVIT ON EXPENDITURES

PERSONNEL

N.B. Vollo, P.Eng	- Supervision, interpretation and report, 2 days at \$135	\$ 270
L. Loranger	- Supervision, chaining, Aug. 11 to 31st, 13 days at \$75	975
M. White	- Chaining, magnetic survey, Aug. 11-31, 18 days at \$50	900
G. Jardine	- Chaining, Aug. 11-24th, 13 days at \$50	650
		<u>\$2795</u>
Accommodation & Meals,-	Somass Motel, Port Alberni	\$ 592
	- Groceries and Meals	394
Vehicle expense	- 947 miles at 20¢	189
	- Airfare, ferries, etc.	201
		<u><u>\$4171</u></u>
	- Total	\$4171

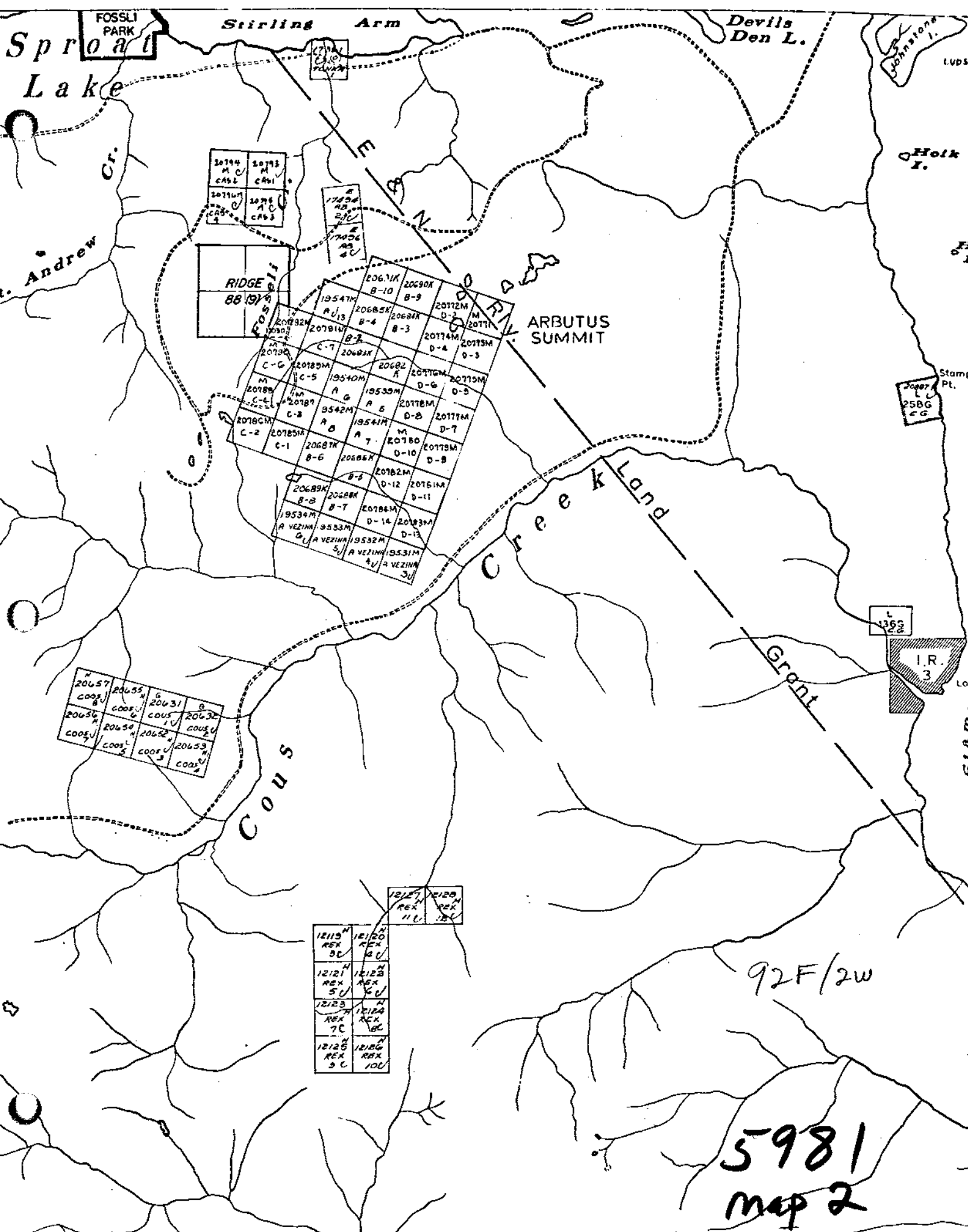
I, Nels B. Vollo, of the City of Kamloops, in the Province of British Columbia, make the above declaration, conscientiously believing it to be true and knowing it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.



Declared before me, at the City of Kamloops, in the Province of British Columbia, this 14<sup>th</sup> day of September, 1976, A.D.

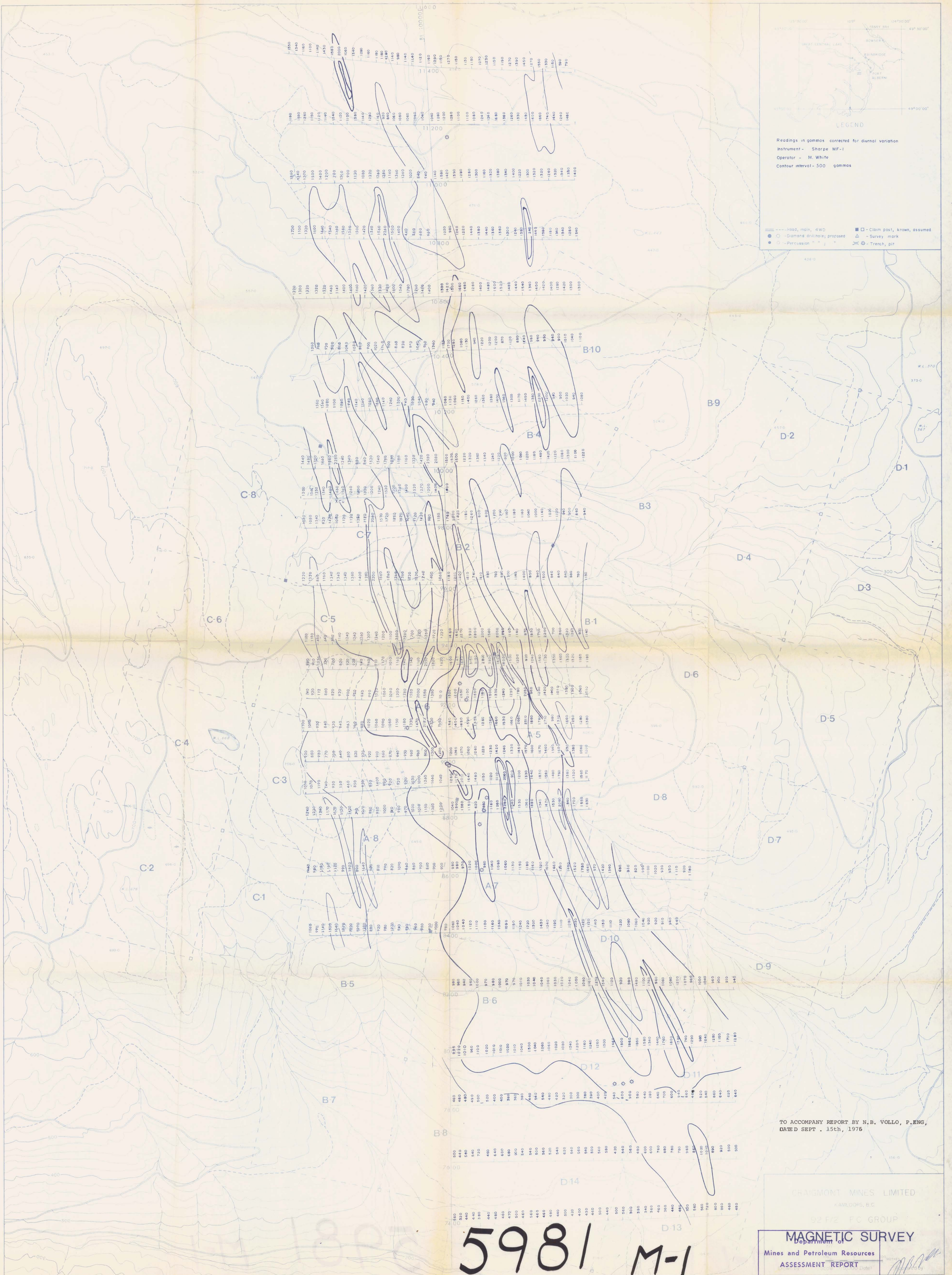
*K. Bays*  
Commissioner for taking Affidavits  
within British Columbia

K. Bays  
A commissioner for taking affidavits for British Columbia



92F/2W

5981  
map 2



LEGEND

Readings in gammas corrected for diurnal variation  
Instrument - Shorpe MF-1  
Operator - M. White  
Contour interval - 500 gammas

- Road, m.p.m., 4WD
- Diamond drill hole; proposed
- Percussion
- Claim post, known, assumed
- △ Survey mark
- ⊗ Trench, pit

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