

185-71-13464

2/85

ASSESSMENT REPORT ON THE  
PEACOCK 2 CLAIM,  
GOLDBRIDGE, B.C.

Lillooet Mining Division  
N.T.S. 92 J / 15 W  
Long. 122 51 W. Lat. 50 54 N.

Bradford J. Cooke  
MINDAT Consultants

February 20, 1985

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**13,464**

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## INTRODUCTION

The Peacock 2 claim is located between Gun Lake and Gun Creek, 5 kilometres north-northwest of Goldbridge in southwestern B.C. (Figure 1). Access to the property is gained by truck along the Lillooet road west to Goldbridge; Gun Lake road north to the south part of the property; and Tyaughton Lake and Gun Creek roads west to the north part of the property.

Consisting of 12 units, the Peacock 2 claim (Figure 2 and Table 1) lies in the belt of rocks surrounding, but 14 kilometres north-northwest of, the Bralorne-Pioneer gold mines where some 4 million ounces gold was produced from 8 million tons ore at a grade of 0.5 ounces per ton. Around the claim to the east, south, west and north lie the Wayside Au(Ag,Cu), Tuscarora Au, Pilot Au and B & F Au vein prospects. The property holds potential for mesothermal vein and micron replacement gold deposits of the Bralorne and Carlin types, respectively.

At the request of Mr. Louis Wolfen, Kerry Mining Ltd., Mindat Consultants researched background information, prospected the claim and carried out a VLF-EM geophysical survey. Our evaluation of the property is reported herein.

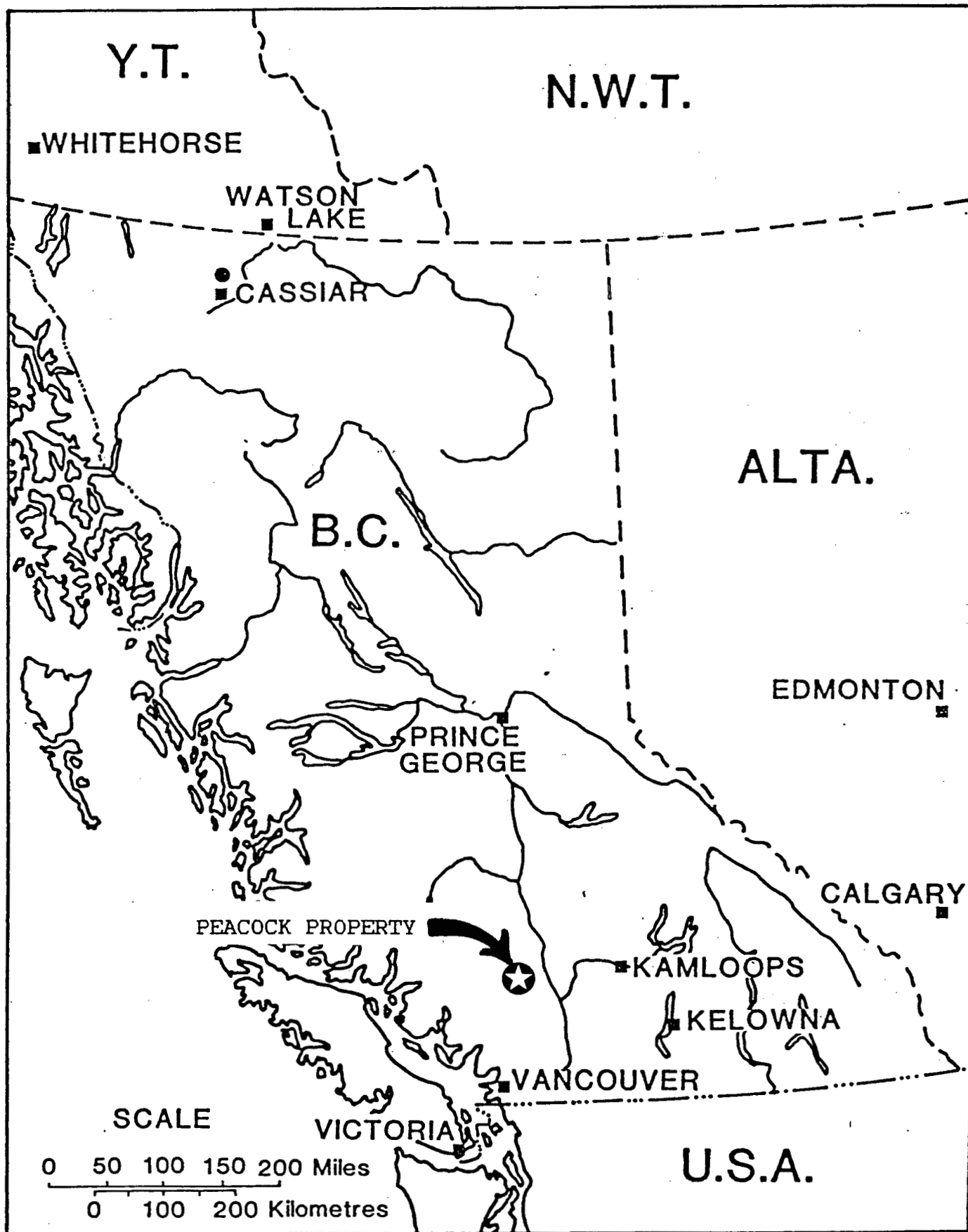


Figure 1: Location Map.

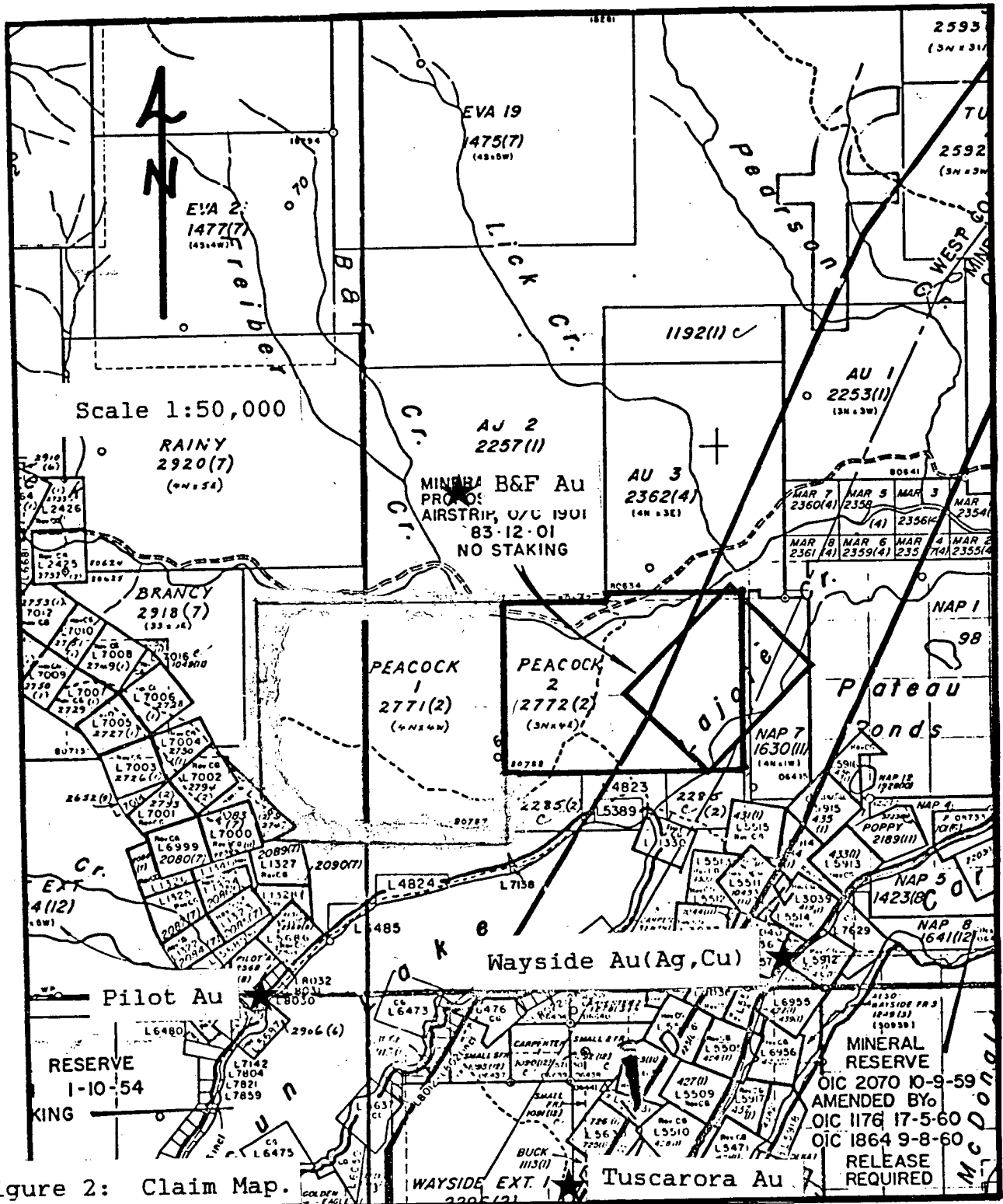


Figure 2: Claim Map.

Claim Name	Record No.	No. Units	Expiry Date
Peacock 2	2772	12	85-02-27

Table 1: Claim list.

## GEOLOGY

The Bridge River district lies at the western margin of the Intermontaine Belt of volcanic and sedimentary rocks where it abuts against the Coast Plutonic Complex of plutonic and metamorphic rocks (Table 2). Triassic eugeoclinal volcanics and sediments (Bridge River and Cadwallader Groups) are intruded by pre-tectonic plutons of intermediate composition (Bralorne Intrusions) and faulted against ophiolitic ultramafic intrusions (President Intrusions).

Jurassic and Cretaceous miogeoclinal sediments and volcanics (unnamed, Taylor Creek and Kingsvale Groups) are successively intruded by Cretaceous and Tertiary syn- to post-tectonic plutons of felsic composition (Coast Range, porphyry dikes and Bendor intrusions) and finally overlain by Tertiary intermediate and mafic volcanics (Rexmount porphyry and Plateau basalt).

The Bralorne and Pioneer mines follow gold, quartz - silver, sulfide veins along two main sets of narrow fissures in Pioneer andesite and Bralorne diorite near Bralorne granite and albitite or porphyry dikes. Many other prospects in the region are sulfide, quartz - gold, silver veins that follow wide shears in Bridge River basalts and cherts near porphyry dikes.

Peacock 2 claim is underlain by basalt volcanics and

chert sediments of the Triassic Bridge River Group (Figure 3). A possible north-trending fault cuts across the western part of the property. Prospecting located one short (1 metre long) and narrow (1 centimetre wide) ankerite veinlet but assays returned low metal values. However, much of the property is covered by glacial overburden and has unknown mining potential.

PERIOD	UNIT	LITHOLOGY
upper Tertiary	Plateau basalt	basalt, rhyolite flows, breccias
		unconformable contact
lower Tertiary	Rexmount porphyry	rhyolite, dacite, andesite tuffs, breccias, flows, plugs
		unconformable contact
upper Cretaceous	Porphyry dikes	quartz, feldspar, hornblende porphyry dikes
		intrusive contact
	Coast Range intrusions	quartz diorite, diorite, granodiorite
		intrusive contact
	Kingsvale group	arkose, greywacke, shale, conglomerate
		unconformable contact
lower Cretaceous	Taylor Creek group	conglomerate, shale, tuff, breccia
		unconformable contact
lower Jurassic	Unnamed sediments	argillite, shale, sandstone, limestone, conglomerate
		unconformable contact
upper Triassic	Bralorne intrusions	augite diorite, soda granite, albitite dikes
		intrusive contact
	President intrusions	serpentinite, peridotite, pyroxenite, dunite, gabbro
		fault contact
	Cadwallader Hurley formation	group limy argillite, phyllite, limestone, tuff, conglomerate, greenstone, chert
Pioneer formation	greenstone, basalt, andesite, flows, tuffs	
Noel formation	argillite, chert, conglomerate, greenstone	
		conformable contact?
middle Triassic	Bridge River group	chert, argillite, phyllite, limestone, greenstone, metamorphic equivalents

Table 2: Formation names, ages and lithologies.



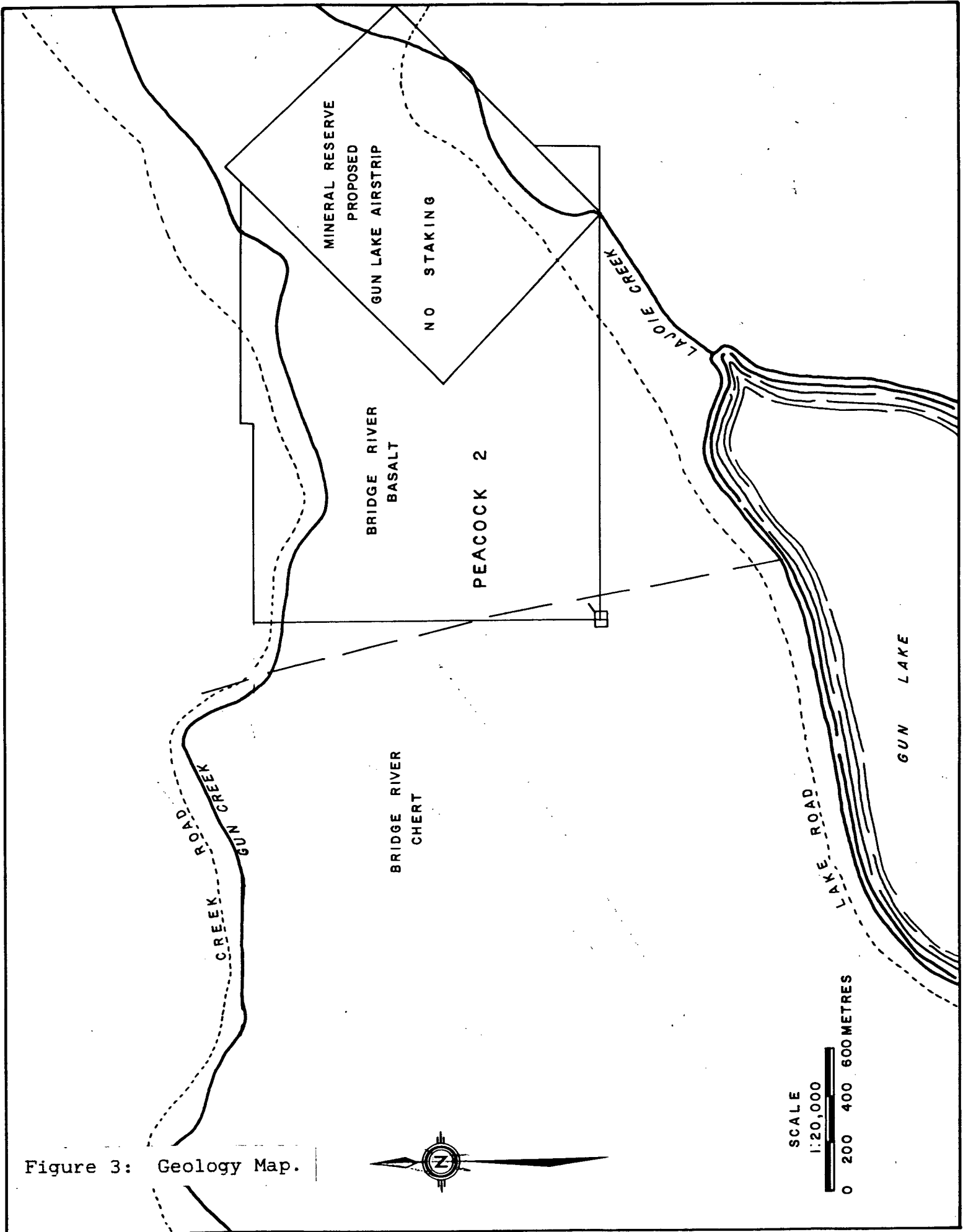


Figure 3: Geology Map.

GEOPHYSICS

A total of 9.4 kilometres of grid line was flagged, of which 8.2 kilometres were surveyed using a Sabre very low frequency electromagnetic field unit. Data are presented as Fraser-filtered dip angles (Figure 4), and field strength readings.

One moderate strength anomaly and two low order anomalies were detected, as follows:

Moderate strength	L16N 187.5E
	L15N 287.5E
	L14N 287.5E
Low strength	L12N 200E
	L11N 212.5E
	L10N 225E
	L7N 187.5E
	L6N 237.5E
	L5N 287.5E

These anomalies may be weak because of overburden on the property. Other parts of the claim were not surveyed because the B.C. Ministry of Forests is currently clearing and scarifying beetle killed forest.

## CONCLUSIONS

1) The Peacock 2 claim is underlain by basalt volcanics and chert sediments of the Bridge River Group. These rocks surround the Bralorne-Pioneer area 14 kilometres to the south-southeast, where 4 million ounces gold were produced from quartz veins in Cadwallader group andesite and diorite.

2) Around the claim lie the Wayside Au(Ag,Cu), Tuscarora Au, Pilot Au and B&F Au vein prospects. Similar mesothermal vein mineralization may occur on the property and there is also potential for micron replacement deposits of the Carlin type.

3) One moderate strength and two low order VLF-EM anomalies were detected and they may be weak because of overburden on the property. Electromagnetic surveying did not cover the whole claim because of government clearing and scarifying of beetle killed forest.

## RECOMMENDATIONS

1) A two phase, \$100,000 surface program is recommended to explore the Peacock property. Phase 1 involves some 30 kilometres of line cutting, geological mapping, geochemical sampling and geophysical prospecting to locate and explore possible ore-bearing structures and intrusions, requiring 15 days and \$25,000 to complete. This program was started with the geophysical surveying reported herein.

2) Line cutting, ground geophysics (PP-magnetic and VLF-electromagnetic surveys) and soil sampling are recommended to explore the property at 25 metre intervals and 100 metre line spacings. Geological mapping on a scale of 1:5000 should also be carried out.

3) Phase 2 diamond drilling, contingent on the results of Phase 1, will test anomalies at depth for gold-bearing quartz veins and replacement zones, needing 60 days and \$75,000 to finish.

4) An 800 metre program of NQ wireline core drilling should successfully test the most significant surface anomalies.

COST STATEMENT

<u>Item</u>		<u>Cost</u>
Wages	5 mandays x \$80	\$1500.00
	5 mandays x \$120	
	2 mandays x \$250	
Room	12 mandays x \$10	\$120.00
Board	12 mandays	\$206.59
Truck	7 days x \$50	\$350.00
Gas	7 days	\$90.00
Assays	3 rocks x \$12.25	\$36.75
Miscellaneous	drafting, photocopies, courier	\$150.00
Total		\$2453.34

## REFERENCES

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Roddick, J.A. and Hutchinson, W.W., 1973, Pemberton (East Half) map area, B.C., G.S.C. Paper 73-17.

Woodsworth, G.J., 1977, Pemberton Map Area, G.S.C. Open File 482.

## QUALIFICATIONS

I, Bradford J. Cooke, am a professional geologist and operate a consulting business, MINDAT Consultants, 2095 West 44 Avenue, Vancouver, B.C., V6M 2G1.

I was awarded a B.Sc. Honours Geology degree from Queen's University, Kingston, Ontario in 1976 and completed a M.Sc. Geology degree at the University of British Columbia, Vancouver, B.C. in 1984.

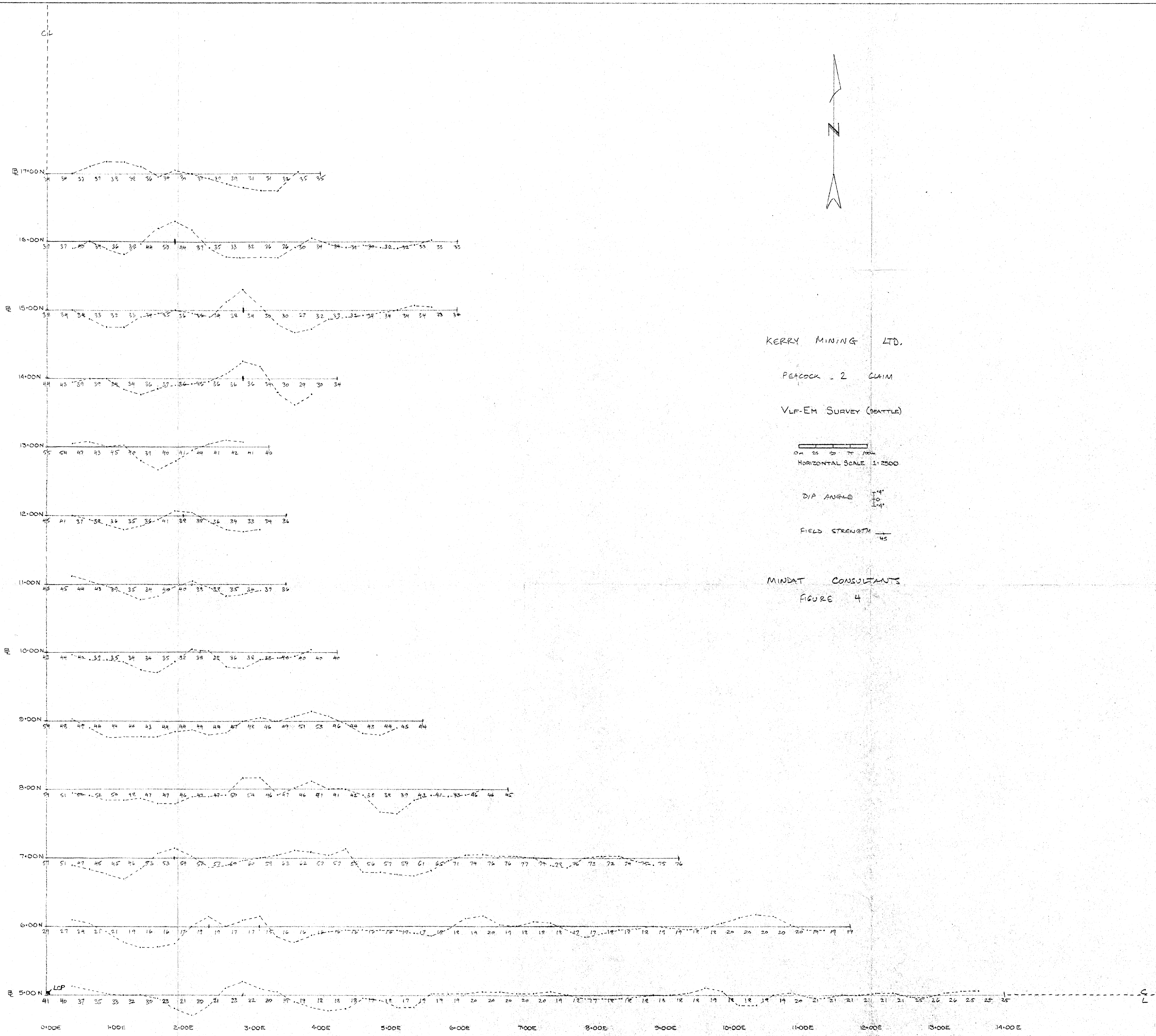
I have worked in mineral exploration both seasonally and permanently since 1975, and have performed geological field work since 1973.

I am a Fellow of the Geological Association of Canada and a Member of the Canadian Institute of Mining and Metallurgy.

I personally carried out and supervised the research and exploration on the Peacock 2 claim and report herein on my evaluation of the property.

I have no interest, nor do I expect to receive any interest, in the securities or properties of Kerry Mining Ltd.

*Brad Cooke*  
*Feb 21/85*



KERRY MINING LTD.  
 PEACOCK - 2 CLAIM  
 VLF-EM SURVEY (SEATTLE)  
 HORIZONTAL SCALE 1:2500  
 DIP ANGLE 14°  
 FIELD STRENGTH 45  
 MINDAT CONSULTANTS  
 FIGURE 4

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