DOLMAGE CAMPBELL & ASSOCIATES (1975) LTD.
CONSULTING GEOLOGICAL & MINING ENGINEERS
1000-1055 WEST HASTINGS STREET
VANCOUVER, CANADA V6E 2E9

B.A. Resources Ltd.
Vancouver, B.C.

Geophysical Report
on the

RINGO PROPERTY

Meister River, Yukon Territory
60°21'N.Lat.; 130°50'W.Long.
NTS 105B-7

091553

Survey done by:

A.C. Eunson, B.Sc. and
P. Walcott & Associates Ltd.

on July 12, 1984

August, 1984

Robert S. Adamson, P.Eng. Supervisor Vancouver, Canada

091553

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work on the ground
of a value of $4,070.00

D D Emond

for Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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LIST OF ILLUSTRATIONS

DOLMAGE CAMPBELL & ASSOCIATES LTD. CONSULTANTS
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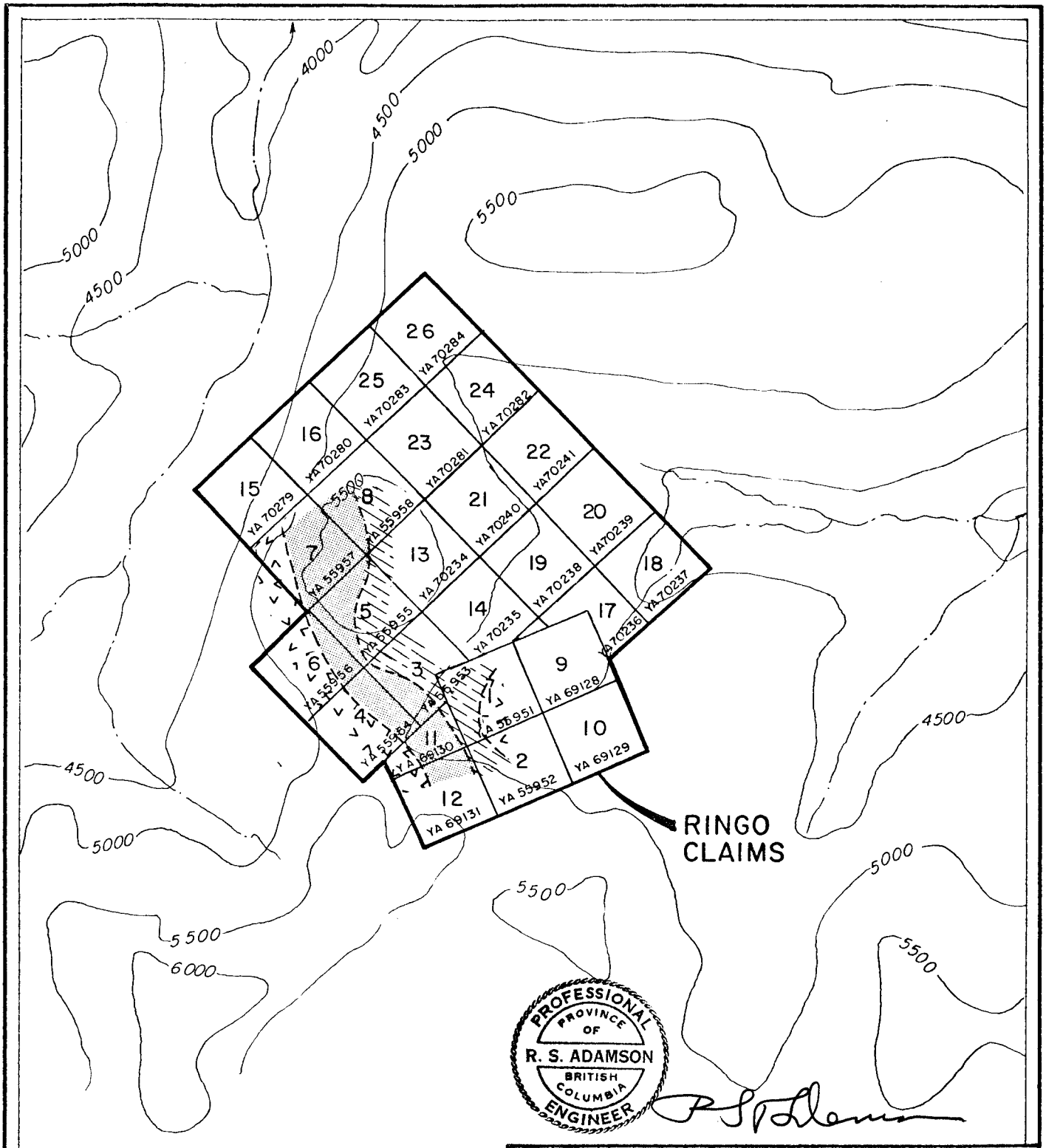
RINGO PROPERTY

LOCATION MAP

YUKON AND NORTHWEST TERRITORIES

SCALE AS SHOWN	JULY 1984	FIG. 1



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RINGO PROPERTY

CLAIM MAP

MEISTER RIVER, YUKON

SCALE : 1 : 31,680	JULY 1984	FIG. 2

VanCal/1326

INTRODUCTION

A test geophysical survey was carried out on the Ringo claim group by Dolmage Campbell and Associates (1975) Ltd. in conjunction with Peter E. Walcott & Associates Ltd., geophysical contractors. The property, which consists of 26 contiguous claims, is situated on the Meister River drainage southwest of Caribou Lake, (Figure 1). The Pine Lake airstrip, located near the Alaska Highway, lies 29 kilometres south-southwest of the property.

The survey was done on behalf of B.A. Resources, the recorded owner of Ringo 9-26 claims. B.A. Copper Ltd., the predecessor company of B.A. Resources, is the recorded owner of Ringo 1-8 mineral claims, (Figure 2). The survey was done essentially on Ringo claims 5 and 6, (Figure 3). Their grant numbers are YA 55955 and YA 55956, respectively.

The survey was carried out on July 12, 1984 by three men who were transported to and from the property by a helicopter based in Watson Lake, Yukon.

The brief survey was carried out in the field by the following personnel:

Mr. A. Eunson, geologist; Dolmage Campbell & Associates
1000 - 1055 West Hastings Street
Vancouver, B.C. V6E 2E9

Mr. S. Gibbons, geophysical operator, Peter E. Walcott & Associates
605 Rutland Court
Coquitlam, B.C. V3J 3T8

Mr. D. Sloan, geophysical assistant, Peter E. Walcott & Associates
605 Rutland Court
Coquitlam, B.C. V3J 3T8

The geophysical data were compiled and interpreted by Mr. Peter E. Walcott, geophysicist. This report was prepared by the writer, who managed the program. He was assisted by Mr. A.C. Eunson, the field supervisor.

GEOLOGICAL SETTING

REGIONAL GEOLOGY

The region west of Caribou Lake on the Meister River is underlain by a belt of Upper Hadrynian to Lower Cambrian meta-sedimentary rocks.The belt, approximately nine kilometres in width, in part lies between the mid

Cretaceous Cassiar and Marker Lake Batholiths of quartz monzonite composition. Mapped by the G.S.C. on an intermittent basis throughout the 1950's, rocks within the belt consist of biotite schist and quartzite, marble and skarn, biotite schist and gneiss, and irregular bodies of pegmatite. The rocks may be equivalent to the Upper Hadrynian Horseranch Group in northern British Columbia or the Good Hope and Atan Groups that range in age from Upper Hadrynian to Lower Cambrian.

In general, the belt strikes west-northwesterly, subparallel to the Cassiar Batholithic contact and dips moderately to the north northeast away from the intrusive body.

PROPERTY GEOLOGY (Figure 3)

On the property the meta-sedimentary rocks are in contact with quartz monzonite of the Cassiar Batholith. The meta-sedimentary rocks comprise two distinct units, a calc-silicate unit and an apparently overlying 'gneissic' unit. Cassiar intrusive rocks extend along the southwestern side of the property; an apparent outlier of the batholith is centred on Ringo 1, 2, 9 and 10 claims.

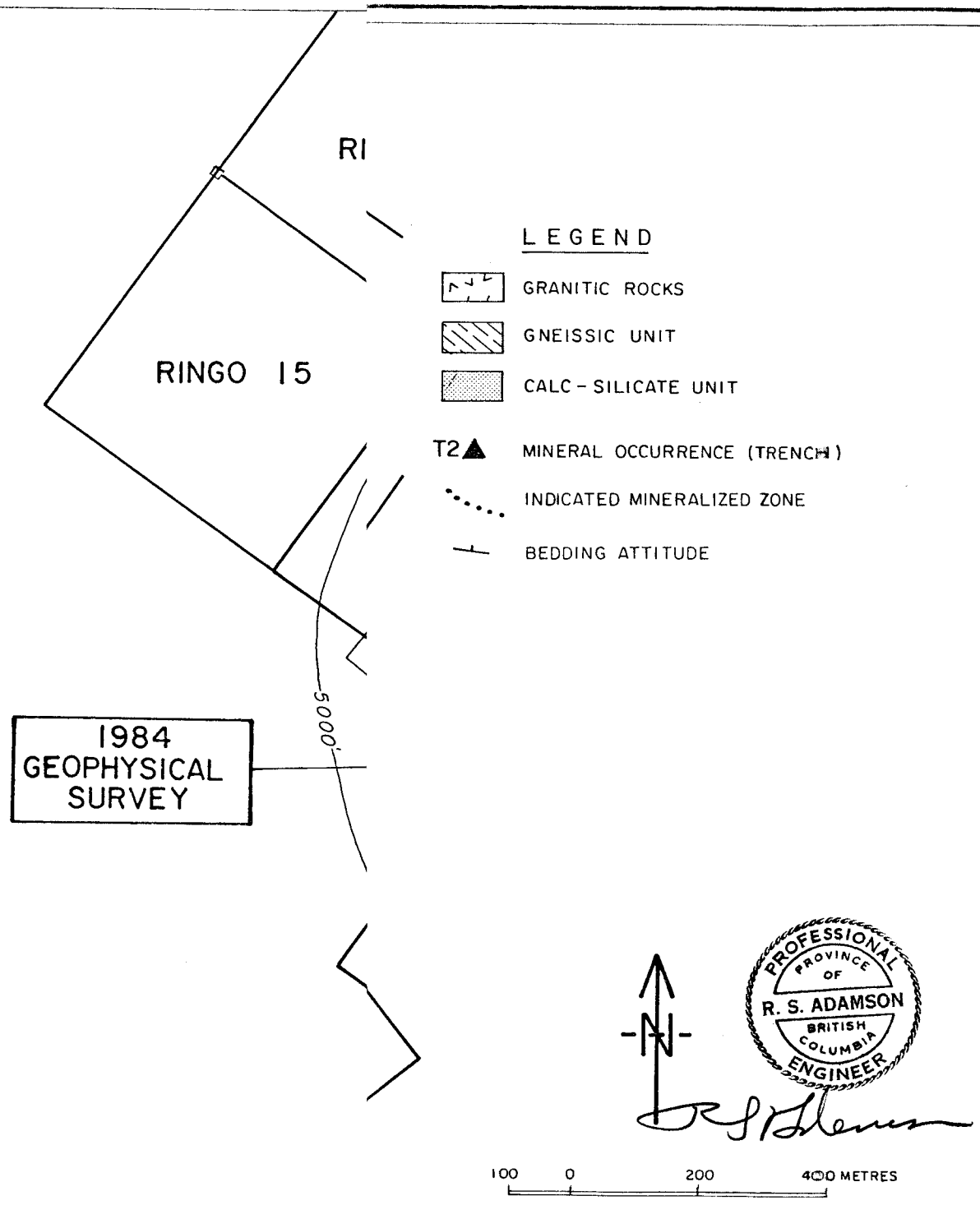
The 'gneissic' unit consists predominantly of quartz mica schist with interbedded, very fine grained, grey quartzite. Locally, bands of marble and skarn occur in the sequence. The schists, which contain biotite and locally very minor pyrite, exhibit a rusty appearance in the weathered outcrop. The 'gneissic' unit, particularly where quartzite is common, tends to weather positively as does the quartz monzonite intrusive rock.

The calc-silicate unit, apparently in conformable contact with the 'gneissic' unit, strikes northwesterly in arcuate fashion because of changing topography and erosion and dips moderately to the northeast. The unit, which ranges in width on surface from 150 to 400 metres, comprises a distinctive crystalline diopside-garnet rock (skarn) with interbedded cherty bands and grey-white marble. The marble may contain bands of diopside-garnet rock. The calc-silicate unit, particularly where marble is common, tends to weather negatively so that outcrops are not nearly as plentiful as in the 'gneissic' and intrusive units.

Mineral Occurrences

On the property, zinc-lead-silver mineralization occurs predominantly in the calc-silicate unit. Visible mineralization has been further exposed by digging and blasting a number of hand trenches, (Figures 3 & 4).

Two types of mineralization occur, fissure vein mineralization in trenches 5 and 6 and stratiform type mineralization in trenches 1, 2, and 4. Fissure vein occurrences consist of coarse grained sphalerite and galena with minor chalcopyrite in vein quartz. Stratiform or replacement type mineralization consists of fine grained sphalerite, galena, minor



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VANCOUVER, B.C.

RINGO PROPERTY

GENERAL GEOLOGY

MEISTER RIVER, YUKON

SCALE : 1:10,000	JULY 1984	FIG. 3

VanCal/1327

chalcopyrite, and minor pyrite in strongly oxidized, intensely manganiferous, usually fissile, possibly tuffaceous, stratified rock. Because of the extreme alteration, the precise nature of the host rock is uncertain.

GEOPHYSICS

The purpose of the test geophysical survey was to determine whether either of two geophysical methods, VLF electromagnetic and/or self potential, would be useful in detecting the presence of sulphide mineralization on the Ringo property. The results, if successful, would then be used to more precisely spot drill holes, to identify a method of possibly extending known mineralization along strike, to evaluate geochemical anomalies, and to find a method that could detect other mineralized zones on the property.

Two flagged lines, spaced approximately 120 metres apart, were initially established over mineralized trenches and geochemically anomalous zones in the most optimum manner, (Figure 4). The lines were each 300 metres in length.

SELF POTENTIAL SURVEY

The principal behind self potential (SP) surveying is that a self potential exists in the vicinity of two half cell electrochemical reactions taking place, one above the water table and the other below it. The sulphide body itself serves only to transport electrons from the oxidizing to the reducing environment.

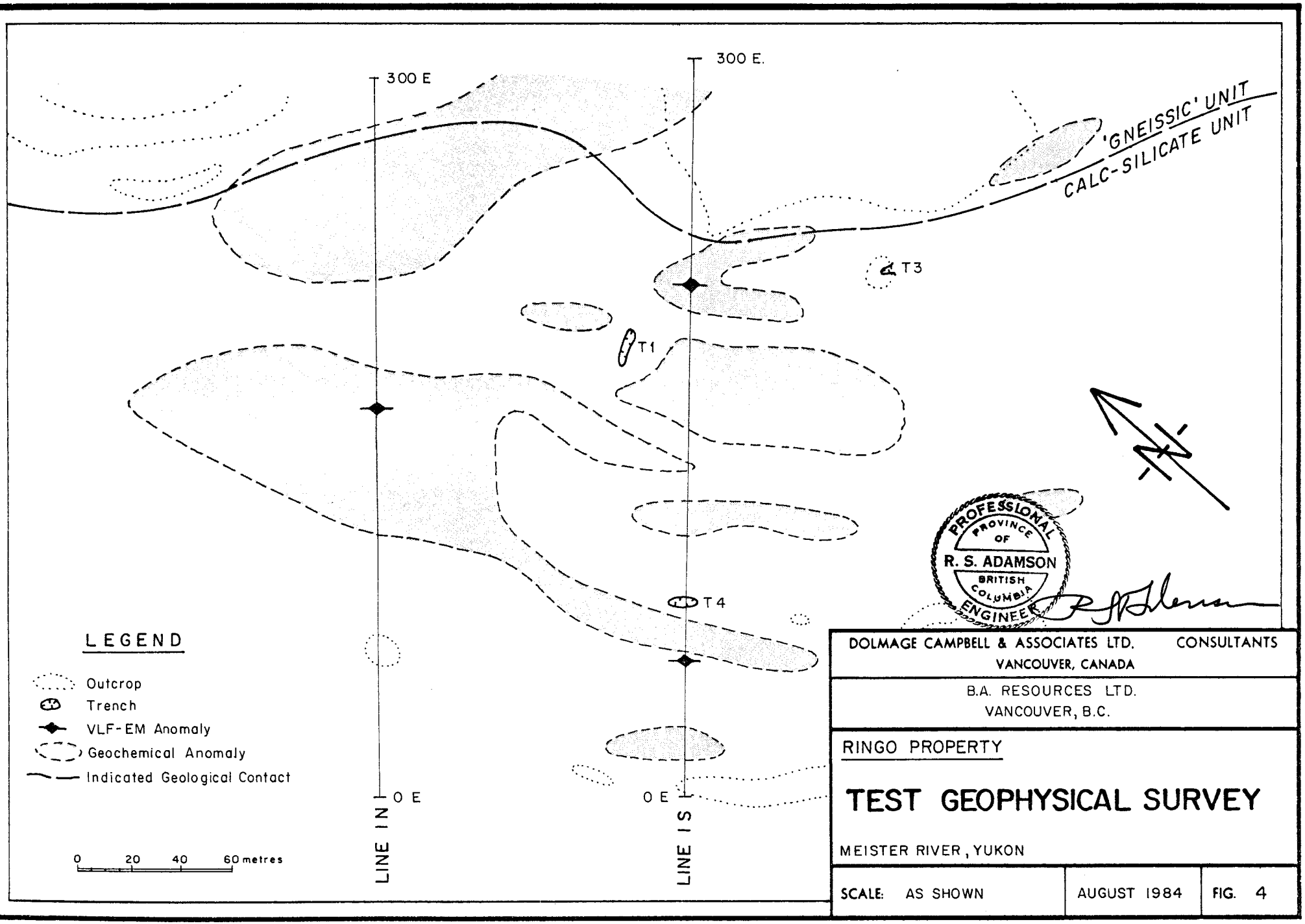
Specifications

The self potential survey was carried out using an MK IV induced polarization receiver manufactured by Huntec Ltd. of Toronto, Ontario. This instrument, a digital receiver controlled by a microprocessor, measures the self potential as part of its induced polarization measurement routine.

Measurements of the self potential were made at 25 metre intervals along the line with the instrument.

Results

The self potential responses were essentially negative on both lines. Although some negative troughs were discernible, particularly on Line 1 south, they do not appear to be related to mineralization, (Figure 5 & 6).



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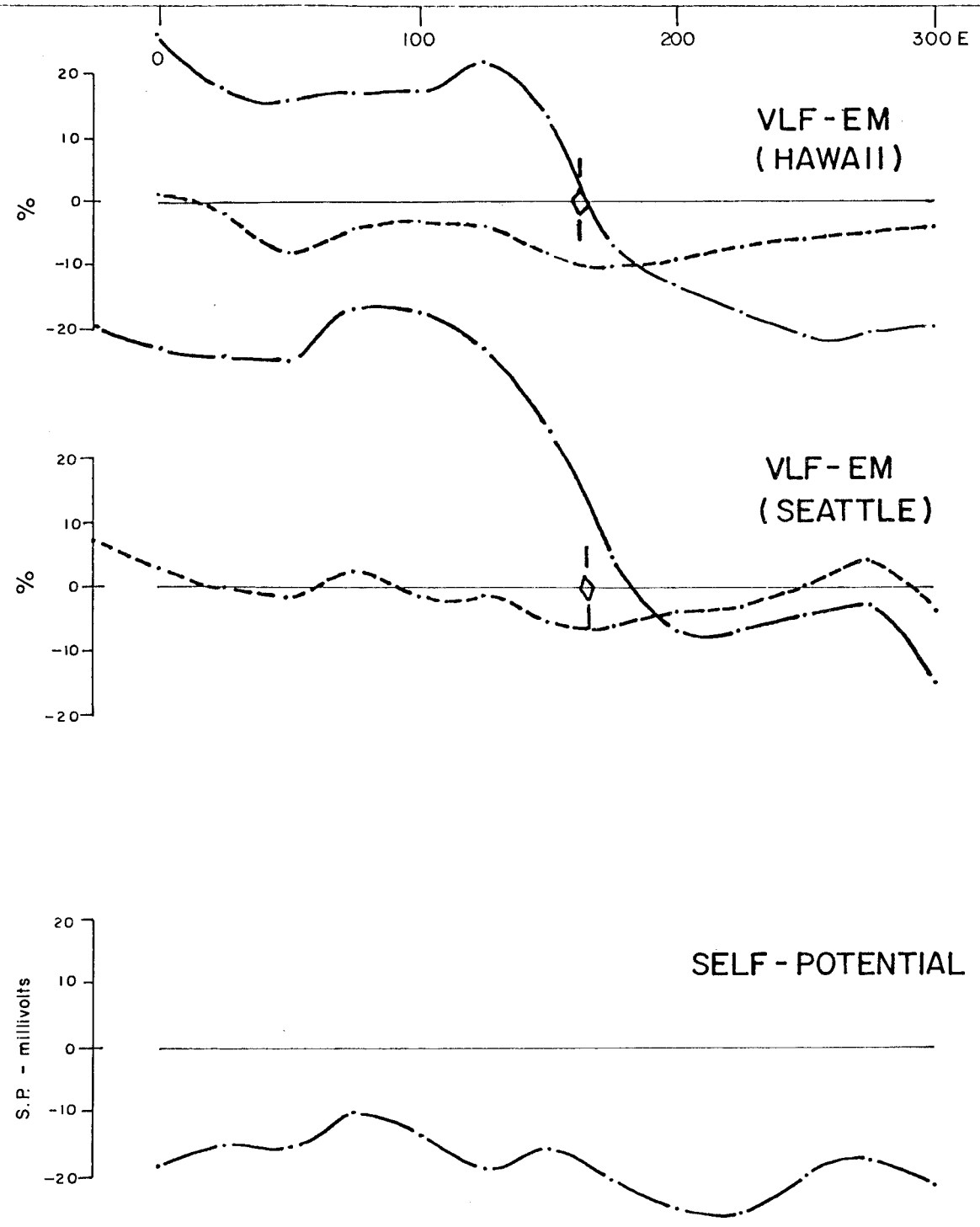
RINGO PROPERTY

TEST GEOPHYSICAL SURVEY

MEISTER RIVER, YUKON

SCALE: AS SHOWN	AUGUST 1984	FIG. 4



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. S. ADAMSON

Survey by P. Walcott & Associates Ltd., July 12, 1984

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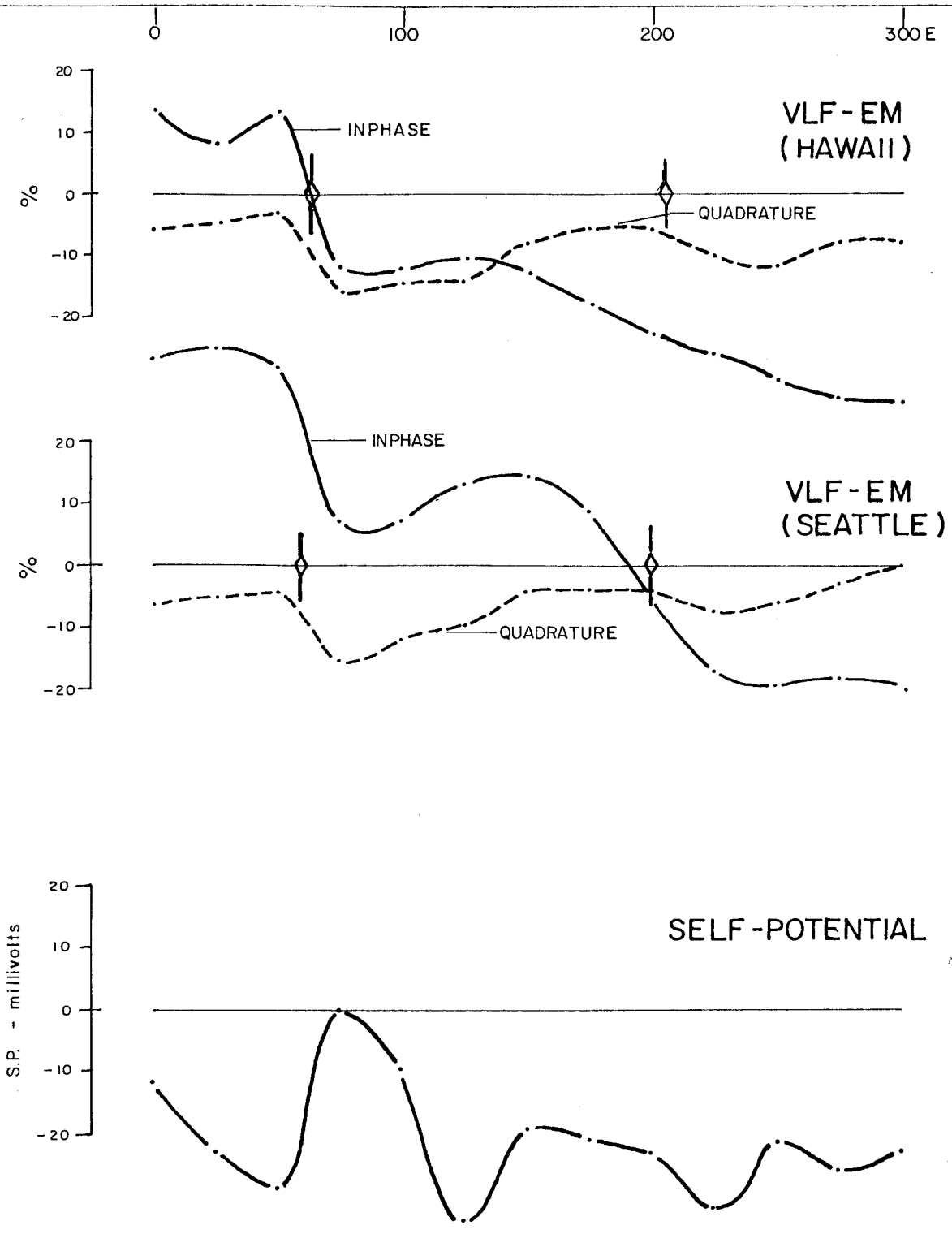
RINGO PROPERTY

GEOPHYSICAL SURVEY RESULTS
LINE 1 N

MEISTER RIVER, YUKON

SCALE: 1:2500	AUG. 1984	FIG. 5

VanCal/1326



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RINGO PROPERTY

GEOPHYSICAL SURVEY RESULTS
LINE 1 S

MEISTER RIVER, YUKON

SCALE: 1:2500	AUG. 1984	FIG. 6

VanCal/1326

VLF ELECTROMAGNETIC SURVEY

The basic principal of any electromagnetic survey is that when conductive bodies are subjected to primary alternative fields, secondary magnetic fields are induced in them. Measurements of these secondary fields give indications as to the size, shape, and degree of conductivity of these bodies. In the absence of conductors, no secondary field responses are obtained.

Specifications

The VLF-EM survey was carried out using an EM-16 unit manufactured by Geonics Ltd. of Mississauga, Ontario. This system utilizes the VLF radio stations that exist for submarine communication. The vertical antennae create concentric horizontal primary magnetic fields, while the receiver (the EM-16 unit) measures the vertical components of the secondary field induced by them.

Readings of in-phase and quadrature were taken at 25 metre intervals along the two lines, using stations at Seattle, Washington and Hawaii as transmitters.

Results

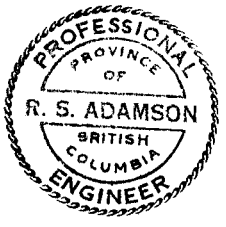
The VLF electromagnetic survey detected the presence of two conductor axes on line 1 south and one conductor axis on line 1 north, (Figure 4, 5 & 6).

CONCLUSIONS

The self potential geophysical technique does not appear to be a useful exploration tool for detecting the type of mineral deposit that occurs on the Ringo property.

However, on the basis of this test geophysical survey it is evident that the VLF electromagnetic survey would be a satisfactory method for detecting and tracing mineralized zones on the property. The test survey was carried out essentially on a fairly broad reconnaissance basis. For meaningful correlation between lines and for more definitive conductor evaluation, future surveys should be undertaken on lines spaced at intervals in the order of 25 to 30 metres.

Respectfully submitted by,
DOLMAGE CAMPBELL & ASSOC. (1975) LTD.



Robert S. Adamson, P.Eng.

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CONSULTING GEOLOGICAL & MINING ENGINEERS
1000-1055 WEST HASTINGS STREET
VANCOUVER, CANADA V6E 2E9

CERTIFICATE

I, Robert S. Adamson, with business and residential addresses in Vancouver, British Columbia, do hereby certify that:

1. I am a consulting geological engineer.

2. I am a graduate of the University of British Columbia, (B.A.Sc. in Geological Engineering, 1957).

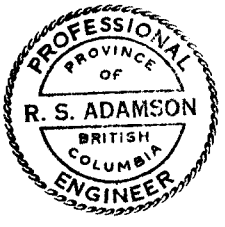
3. I am a registered Professional Engineer of the Province of British Columbia.

4. From 1957 until 1967 I was engaged in mineral exploration in Canada as a geologist for a number of companies. I was Chief of Exploration for Anvil Mining Corp. Ltd. when I retired in 1967 to join the firm of Dolmage Campbell & Associates Ltd. as a senior engineer. In 1968 I became a partner in the firm.

5. I examined the Ringo Property on June 14-15, 1983 and June 29-30, 1983.

6. I have not received, directly or indirectly, nor do I expect to receive any interest, direct or indirect, in the property of B.A. Resources Ltd. or of any affiliate thereof, nor do I beneficially own, directly or indirectly, any securities of B.A. Resources Ltd. or any affiliate thereof.

Respectfully submitted,
DOLMAGE CAMPBELL & ASSOC. (1975) LTD.

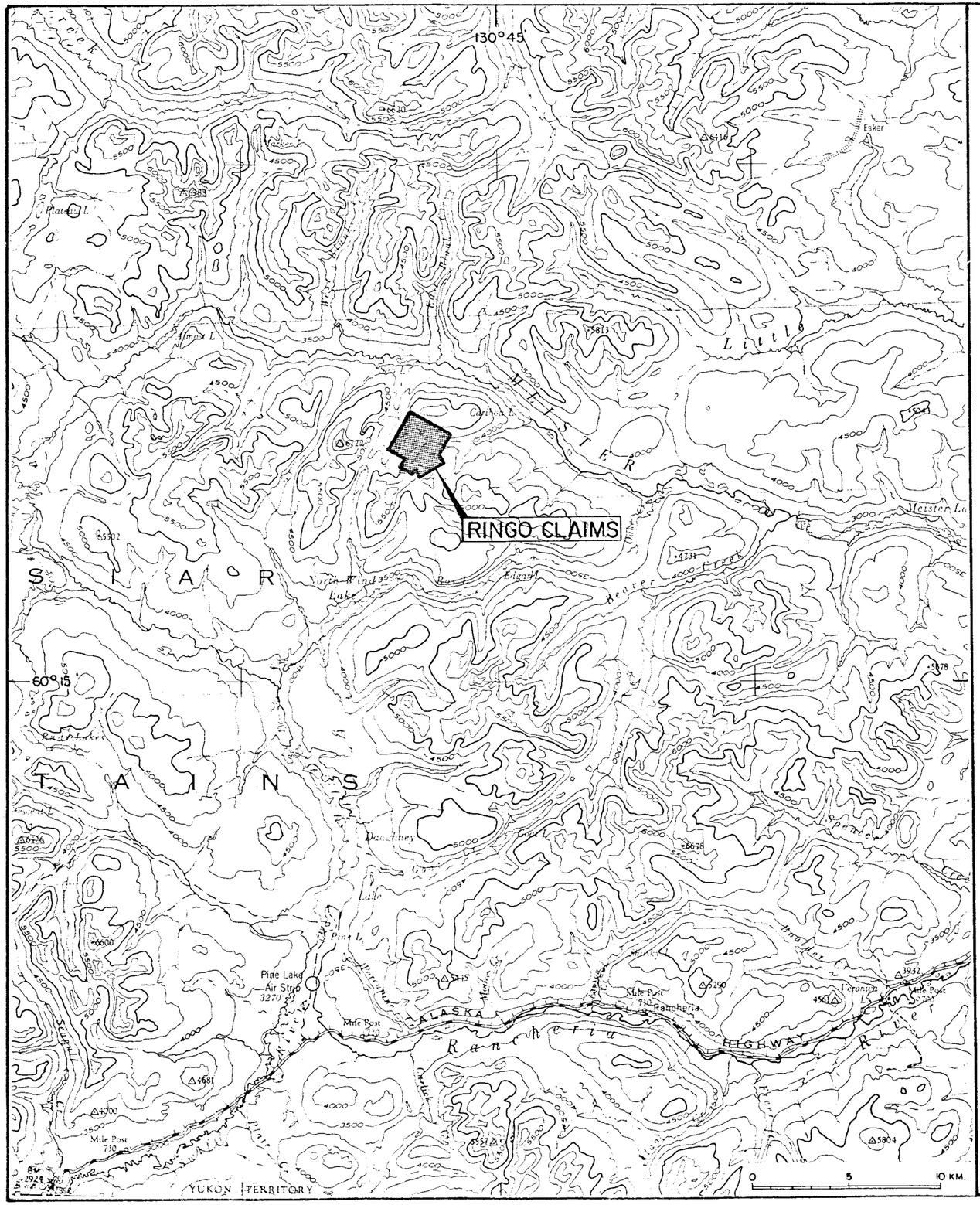


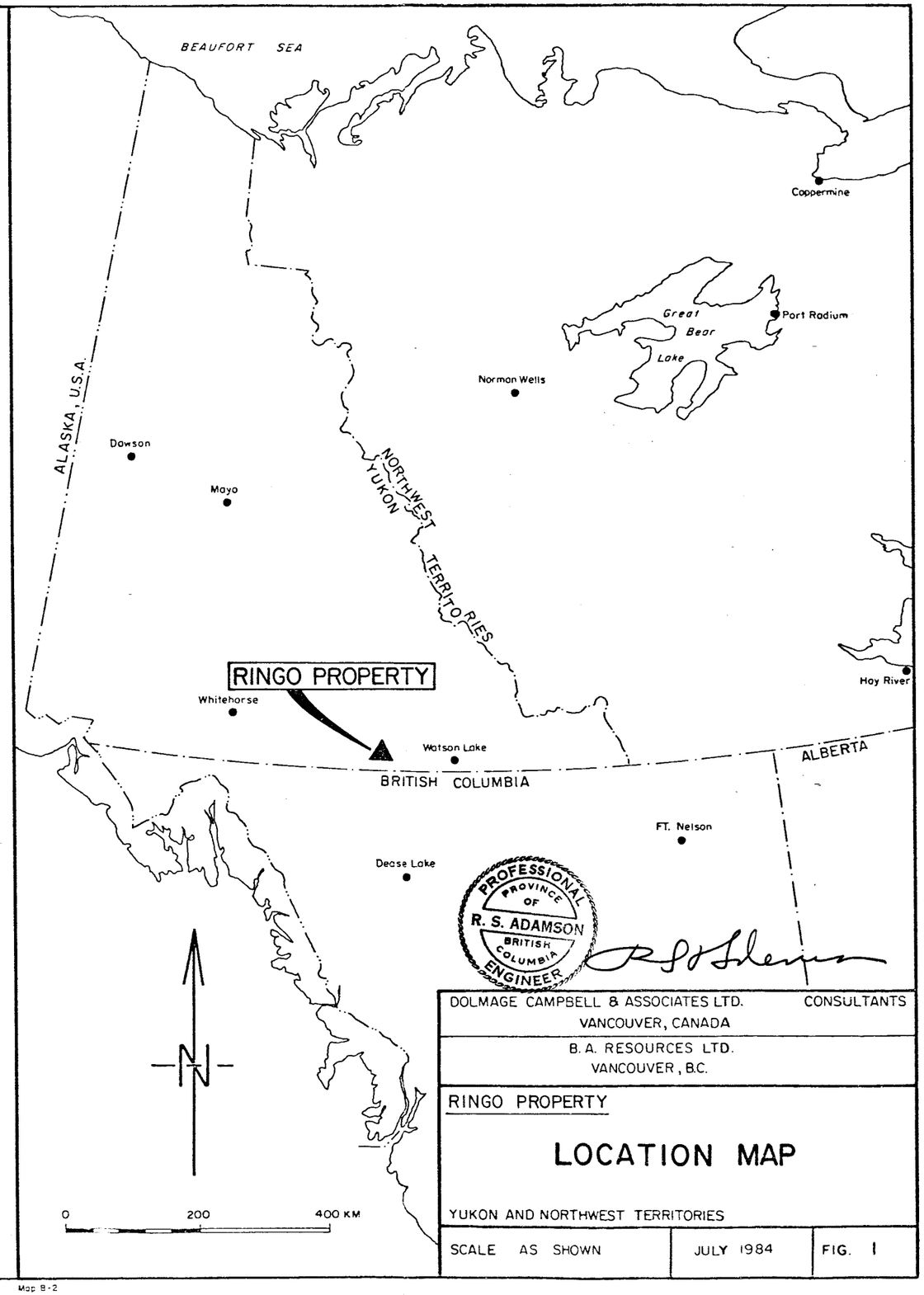
R.S. Adamson, B.A.Sc., P. Eng.

APPENDIX

STATEMENT OF COSTS

WAGES			
A.C. Eunson (July 12)	1 day @ $250		$ 570.00
S. Gibbons (July 12)	1 day @ $200		
D. Sloan (July 12)	1 day @ $120		
TRANSPORTATION (Helicopter) (July 12)	2.4 hrs.		1,284.00
MAINTENANCE	6 man days @ $50/man/day		300.00
RENTALS (Geophysical Equipment)			150.00
SUPERVISION			
A.C. Eunson	1 day @ $250	$250	
R.S. Adamson	1 day @ $350	350	600.00
REPORT			
R.S. Adamson	2 days @ $350	$700	
P. Walcott	1 day @ $300	300	
Secretarial, typing, draughting, etc.		166	1,166.00
			$4,070.00





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RINGO PROPERTY

LOCATION MAP

YUKON AND NORTHWEST TERRITORIES

SCALE AS SHOWN	JULY 1984	FIG. 1

Map B-2

RINGO 25

RING 23

RINGO 22

RINGO 16

100W

RINGO 20

RINGO 21

RINGO 8

RINGO 15

RINGO 18

RINGO 19

RINGO 13

RINGO 7

RINGO 17

5500'

RINGO 14

T2

5000'

RINGO 5

1984
GEOPHYSICAL
SURVEY

L.IN

L.IS

RINGO 9

RINGO 3

T1

T4

T3

RINGO 6

RINGO 1

T6

RINGO 10

T5

1700 E

RINGO 4

RINGO
11

RINGO 2

5000'

RINGO 12

600N (BASELINE)

5500'

LEGEND

- GRANITIC ROCKS
- GNEISSIC UNIT
- CALC - SILICATE UNIT
- T2▲ MINERAL OCCURRENCE (TRENCH)
- INDICATED MINERALIZED ZONE
- BEDDING ATTITUDE

N

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. S. ADAMSON

100 0 200 400 METRES

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RINGO PROPERTY

GENERAL GEOLOGY

MEISTER RIVER, YUKON

SCALE : 1:10,000	JULY 1984	FIG. 3

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