KAMLOOPS

87-588-16349
7/88

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S): GEOPHYSICAL

TOTAL COST: $11,908.72

AUTHOR(S): Alfred R. Allen

SIGNATURE(S): Alfred R. Allen

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED: July 2/87

YEAR OF WORK: 1987

PROPERTY NAME(S): B.S.

COMMODITIES PRESENT:

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN:

MINING DIVISION: Vernon

NTS: 82L/7W

LATITUDE: 50°16'

LONGITUDE: 118°55'30"

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 1-4, FIRE 2 [12 units], PHOENIX (Lot 1706), Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]

B.S. 3, Hol 1, Hol 2, Hol 3, Hol 4 (100 units total)

OWNER(S)

(1) Betty Schiller

(2)

MAILING ADDRESS

#602 - 543 Granville Street
Vancouver, B.C. V6C 1X8

OPERATOR(S) (that is, Company paying for the work)

(1) J.S. Hilton
Zicton Gold Limited

(2)

MAILING ADDRESS

#602-543 Granville St.
VANCOUVER, B.C. V6C 1X8

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,349

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Proterozoic gneiss and phyllite of the Shuswap Metamorphic Complex, Pennsylvanian - Permian Cache Creek Group and Upper Triassic Nicola Group argillite, shale, tuff and andesite are intruded by two small diorite stocks. Major faults and folds occur. Mineralization in and associated with fault zones, include gold, silver, minor galena, chalcopyrite and pyrrhotite.

REFERENCES TO PREVIOUS WORK

FILMED

(over)

87-588

CONTENTS

* * * * * * * * * *

A. INTRODUCTION

The geophysical surveys over the Lumby property of Zicton Gold Ltd. were conducted under the supervision of the writer June 10-12 inclusive and June 26-29 when the field work was completed.

The object of the surveys was to detect mineralized zones on the B.S. 3 claim, and in particular, the extensions of magnetic and electromagnetic anomalies, mapped by aerial surveys, on the adjoining Quinto Mining Corporation.

The surveys were contracted to Prospecting Geophysical Service of Maple Ridge, B.C. by Allen Geological Engineering Limited.

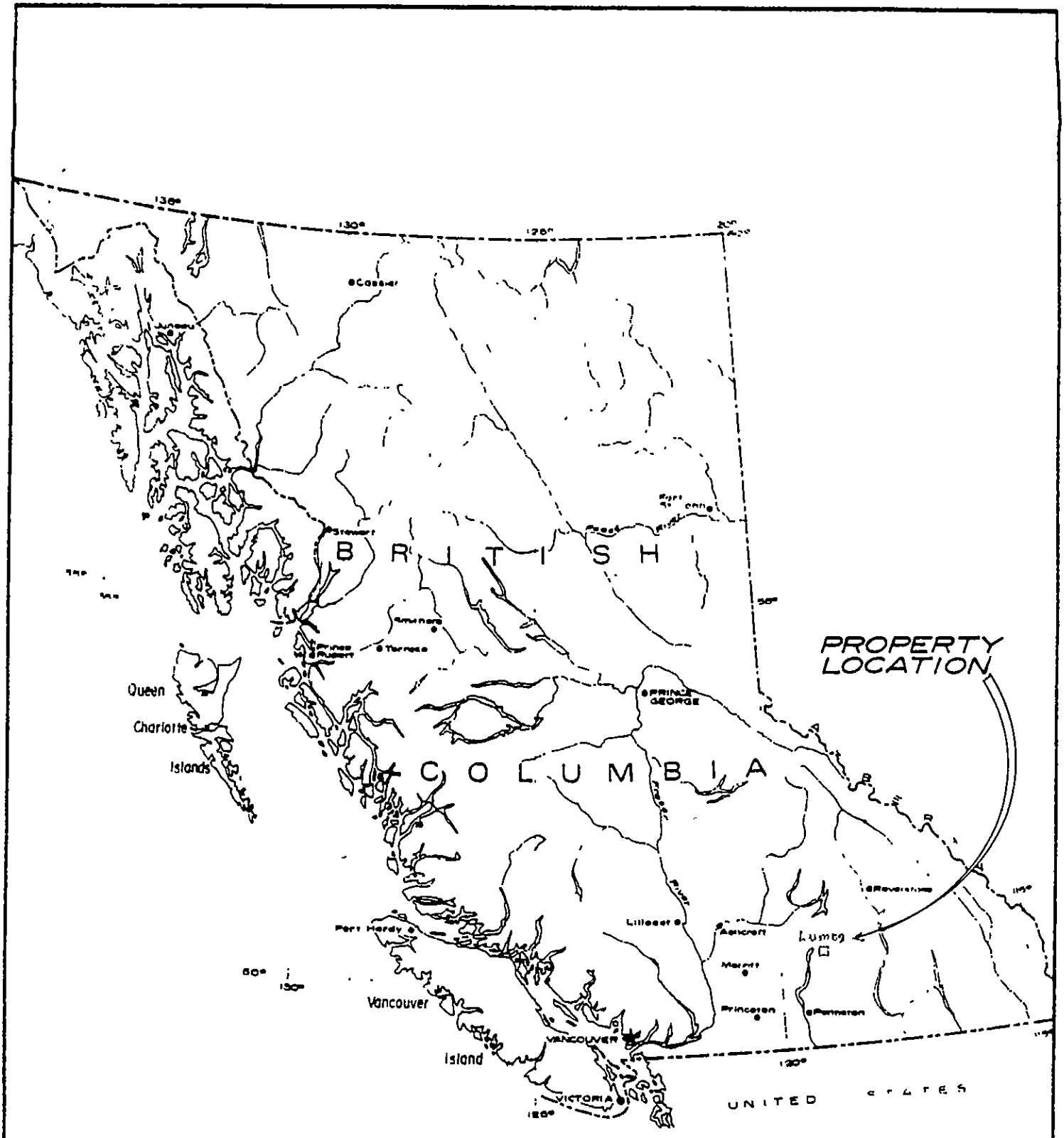
B. LOCATION

The southwest boundary of the Zicton Gold property is 1.7 kilometers east of the village of Lumby in the Vernon Mining Division.

Access is via Highway 6 and a series of secondary roads over the HOL 1-4 and B.S. 3 claims.

C. PROPERTY

Claim	Record Number	Expiration Date
HOL 1	2130	July 1988
HOL 2	2131	" "
HOL 3	2132	" "
HOL 4	2133	" "
B.S.3	2004	Sept. 1991
HAZ 5	1845	
OK	2016	



ZICTON GOLD LIMITED

LOCATION MAP

SCALE: 1" = 136 Mls.

Drawn by	Date MAY 1987	ALLEN GEOLOGICAL ENGINEERING LTD.
Checked by AKA	Drg no. 1	

ALTAIR drafting services ltd

D. PHYSIOGRAPHY

The Village of Lumby is located in the White Valley, at the southwest base of Saddle Mountain at an elevation of 500 metres above sea level. Saddle Mountain peaks at 915 metres elevation three kilometres northeast of Lumby.
A parallel mountain five kilometres east of Lumby extends northeasterly from Blue Springs to Shuswap Falls.

The elevation ranges from 460 metres to 1,000 metres above sea level. The northwest slopes are steep to the level of Rawlings Lake at elevation 510 metres above sea level.

E. HISTORY

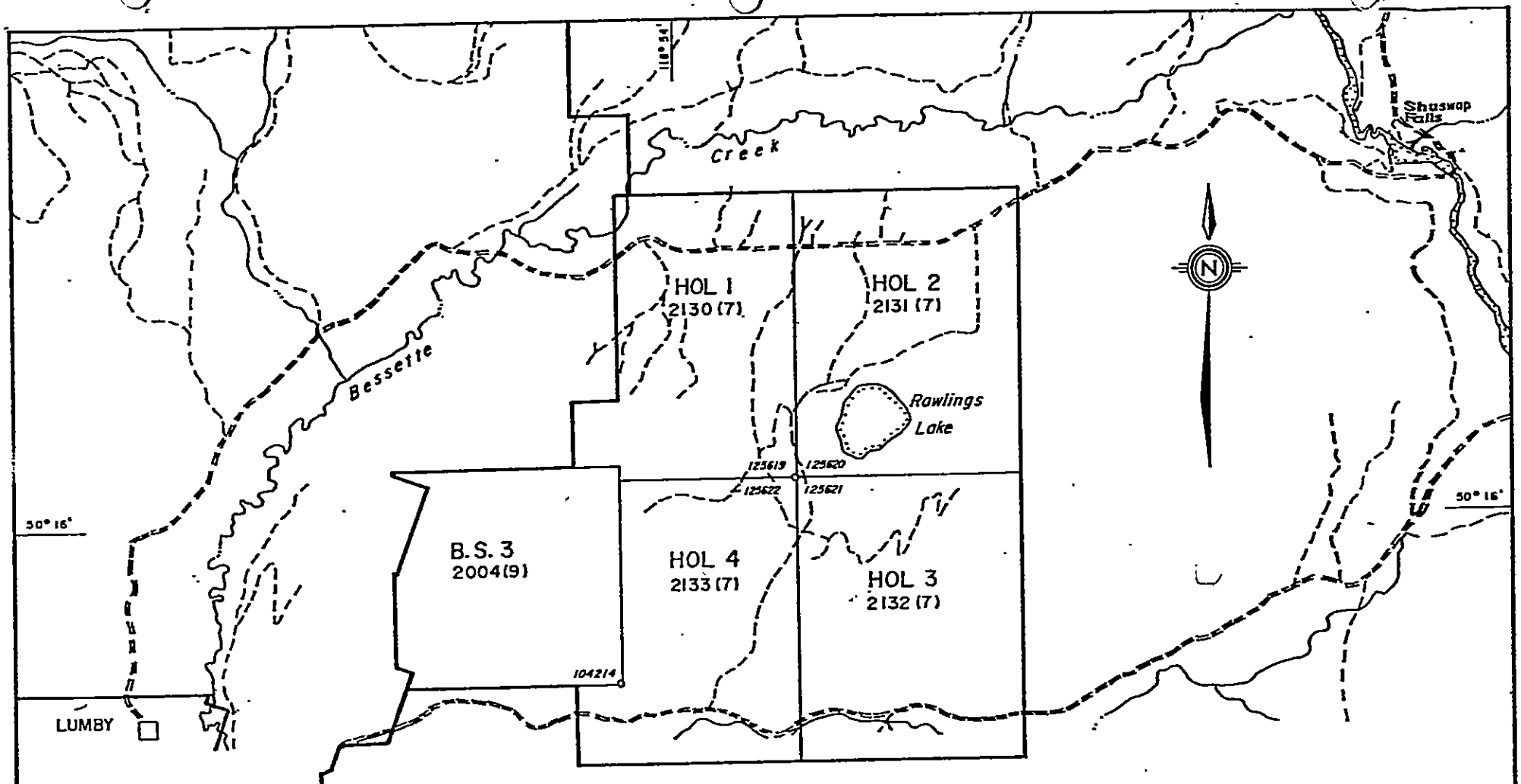
Gold was discovered on Saddle Mountain about 1900. Limited work was carried out by local individuals.

From 1960 to 1970 good grade silver, lead, zinc and copper ore was mined by open pit and shipped to the Trail Smelter. A 50 ton per day mill was built and operated from 1974 to 1979. In 1980 the mill capacity was increased to 150 tons per day. An estimated 30,000 tons was milled.

The property was acquired by Quinto Mining Corporation in 1983. Production is planned in 1988.

The Zicton property is located on the east boundary of the Quinto property.

Airborne magnetic and electromagnetic surveys on the Quinto property were extended over the northwest area of the B.S.3 claim where anomalous zones were detected.
The HOL 1-4 claims were staked in 1976 and were conveyed to Zicton Gold Aug.6,1987. The B.S.3 claim was acquired in 1987 by Zicton Gold and is in good standing until 1991.



ZICTON GOLD LTD.

LUMBY PROPERTY

VERNON MINING DIVISION, B.C.

CLAIM MAP

DATE:	SCALE:	FIGURE No.
OCT., 1986	1:50,000	2

F. THEORY

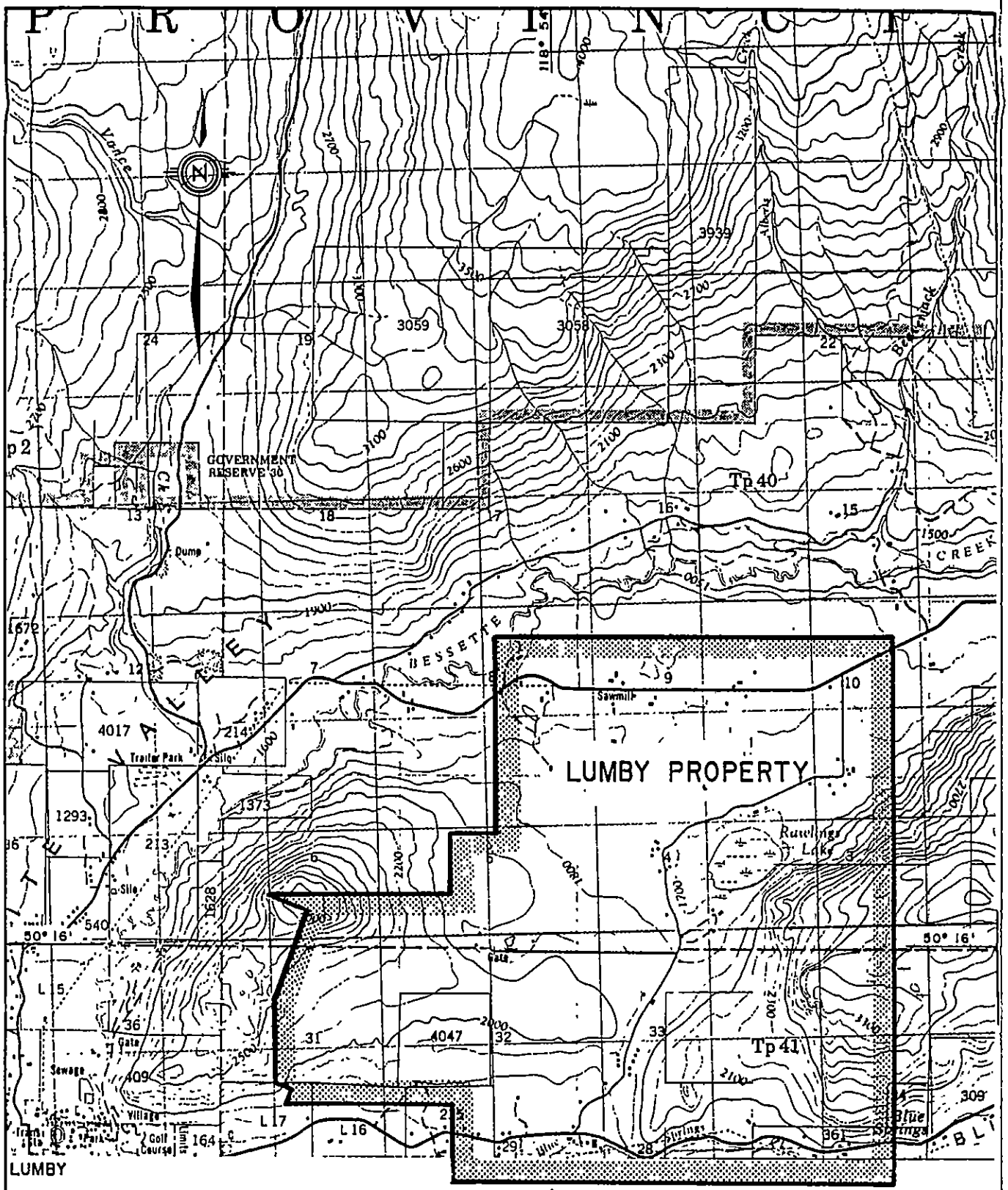
Extensive field programmes on the Quinto property, adjacent to the Zicton Gold property, have determined that some of the sizeable precious metal deposits are located within large sheared zones.

The exploration programme on the Zicton Gold property is planned to conduct ground magnet · ometer and electromagnetic surveys on the B.S. 3 claim to check the indicated airborne surveys anomalous results and to detect any other anomalous zones on the claim area.

G. GEOLOGY

There is a wide low-level area extending from the north boundary of the Zicton property to the southwest corner. outcrops are minimal, and some of the land is under cultivation. Mapping by the Geological Survey of Canada, has, however, provided considerable geological detail over the area and is available in Open File Paper #637 and Memoir #296.

The area is underlain by the Archaean or later gneiss, schist, quartzite, marble, slate and phyllite; also limestone, sericite and graphite schists of the Sicamous formation; the Upper Triassic andesite, limestone, conglomerate and basalt of the Nicola Group; and on a northeasterly ridge in the southeastern area Monashee gneiss, schist, phyllite and quartzite, capped by volcanics, sandstone, shale, conglomerate and coal of the Tertiary Kamloops Group.



ZICTON GOLD LTD.

LUMBY PROPERTY

VERNON MINING DIVISION, B.C.

PROPERTY AND TOPOGRAPHY MAP

DATE:	SCALE:	FIGURE No.
OCT., 1986	1: 50,000	3

Major faults strike northeast, northwest and north in the Lumby region and northwesterly anticlinal folds occur close to and on the Quinto and Zicton Gold claims areas.

Sizeable zones of mineralization associated with fault zones have been partially prepared for production on the Quinto Mining Corporation property.

H. GRID SURVEY ON THE B.S. 3 CLAIM

From a base line on the north boundary of the B.S. 3 claim a 60 metre by 15 metre grid has been surveyed over most claim area. The grid was surveyed by hip chain and compass.

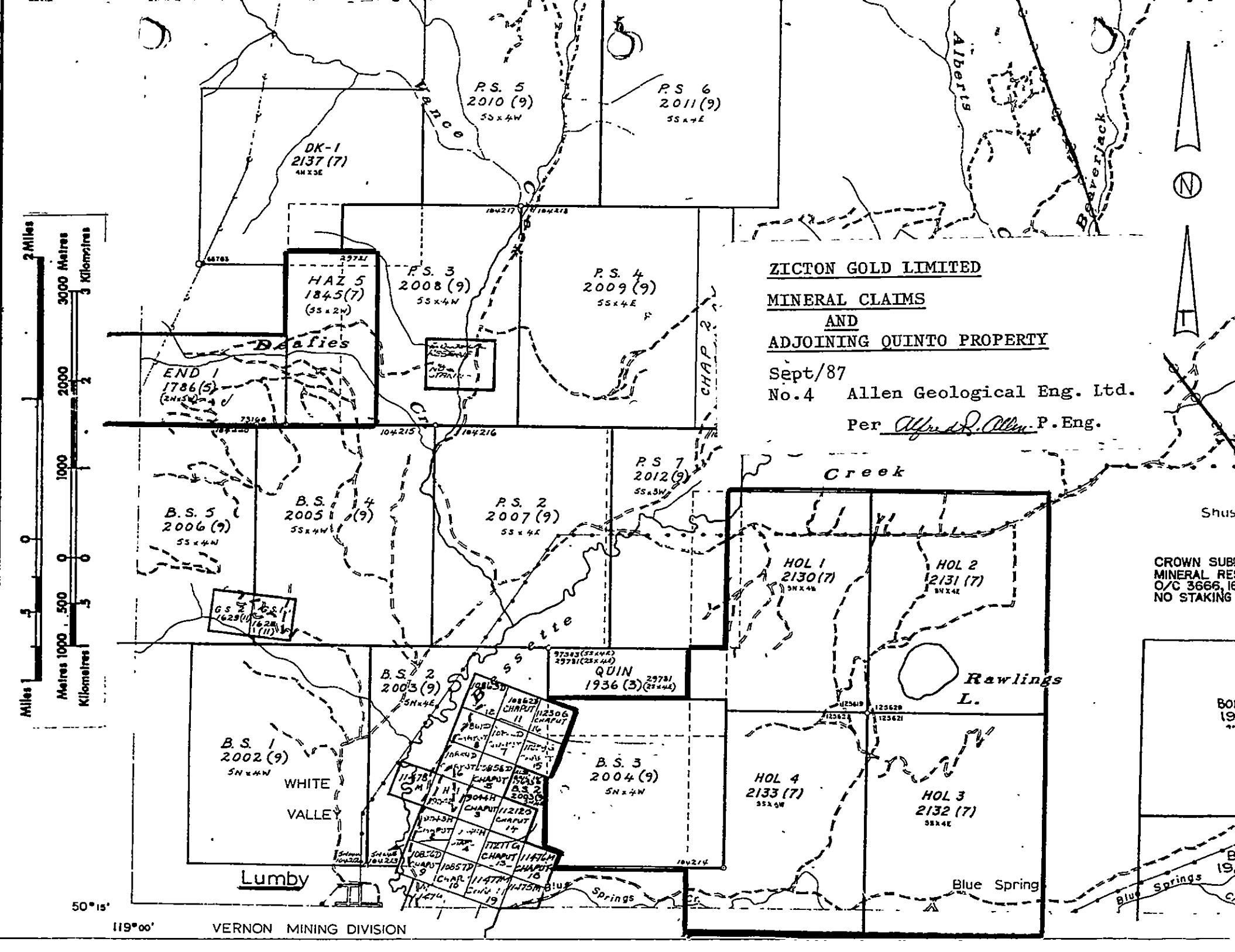
I. MAGNETOMETER SURVEY (Proton precession, total field.)

A magnetometer survey was conducted over the grid area by Mr Mr.A.T. LaRose of Prospecting Geophysical Services, 11914 - 212 Street, Maple Ridge, B.C., using a Scintrex M P 2 magnetometer. Assistance was provided by Alfred R. Allen and Ralph Nelson of Vancouver and R. Herzig of Vernon.
Approximately 30.8 line kilometres of the grid were covered.

Calculations, interpretation and mapping was completed by Mr. LaRose. Consulting, field assistance and report preparation was provided by Alfred R. Allen for Zicton Gold Ltd.

J. ELECTROMAGNETIC SURVEY

Concurrent with the magnetometer survey an electromagnetic survey was conducted over the B.S.3 claim grid with the same field personnel and Ronka 16 instrumentation.
The field results were filtered and contoured.
The transmitting station used was Annapolis


ZICTON GOLD LIMITED
MINERAL CLAIMS
AND
ADJOINING QUINTO PROPERTY
Sept/87
No.4 Allen Geological Eng. Ltd.
Per Alfred R. Allen P.Eng.
P.S. 5
2010 (9)
5S x 4W
P.S. 6
2011 (9)
5S x 4E
DK-1
2137 (7)
4N X 3E
HAZ 5
1845(7)
(3S x 2W)
P.S. 3
2008 (9)
5S x 4W
P.S. 4
2009 (9)
5S x 4E
END 1
1786(5)
(2N x 5W)
P.S. 7
2012 (9)
5S x 3W
P.S. 2
2007 (9)
5S x 4E
B.S. 5
2006 (9)
5S x 4W
B.S. 4
2005 (9)
5S x 4W
HOL 1
2130(7)
5N x 4E
HOL 2
2131 (7)
5N x 4E
QUIN
1936 (3)
B.S. 2
2003 (9)
5N x 4E
B.S. 1
2002 (9)
5N x 4W
B.S. 3
2004 (9)
5N x 4W
HOL 4
2133 (7)
5S x 4W
HOL 3
2132 (7)
5S x 4E
Rawlings L.
WHITE VALLEY
Lumby
Blue Spring
Blue Springs Cr.
Creek
CROWN SUB
MINERAL RE
O/C 3666, 16
NO STAKING
2 Miles
3000 Metres
3 Kilometres
2000
2
1000
1
0
0
500
.5
Miles 1000 1
Kilometres
50°15'
119°00'
VERNON MINING DIVISION

K. SURVEY RESULTS

Magnetometer results are as follows:

Map #6

1.	B-I	21-28	857-2172	Basic Area Intensity 57,000 gammas
2.	Q-V	25-32	701-1259	Station Intensity 57,850 gammas
3.	F-I	3-3	681-1278	Noted and mapped as 850 gammas
4.	B-	37-41	843-1065	i.e.
5.	M-	17-19	725-1988	Map #6
6.	L-P	1-8	701-861	
7.	M-N	13-15	719-1082	
8.	J-K	5-12	713-1015	
9.	G-H	29-30	797-5744	
10.	Q-	14-15	784-1124	
11.	G-	32-33	819-1047	
12.	F-G	17-	835-1032	

Anomaly	Lines	Stations	Gamma Range
1.	B-I	21-28	827-2172

Electromagnetic Station Readings mapped as follows:
Map #7
Plus & Minus Dip Angles mapped to Scale

Electromagnetic Contoured results are as follows:

Map #8 Fraser Filtered

1.	I-T	2-18	15-106
2.	F-L	17-28	15-95
3.	J-P	15-24	15-33
4.	R-S	25-26	15-83
5.	F-G	30-31	15-56
6.	N-P	59-63	15-51
7.	F-G	2-4	15-90

Anomaly	Lines	Stations	Range
1.	I-T	2-18	15-106

L. DISCUSSION

Anomalous zones detected by both magnetic and electromagnetic surveys are located on the northern area of the B.S. 3 claim.

These correlate reasonably well with the previously reported airborne surveys by Dighem Surveys for Quinto Mining Corporation.

Results indicate that the detected zones on both properties include mineralization that is more sensitive to electromagnetic than magnetic instrumentation.

Because of a greater depth of overburden on the lower southern area of the claim, there may be a blanket effect, lessening the possibility of either magnetic or electromagnetic techniques detecting sulphide mineralization.

M. SUMMARY

Magnetic and electromagnetic surveys were made over most of the B.S. 3 mineral claim.

Well defined anomalous results were recorded by both surveys. It is therefore considered evident that some of the mineralized zones currently being developed for production on the adjoining Quinto property extend easterly onto the Zicton B.S.3 claim area.

A programme of stripping and diamond drilling is warranted to evaluate the potential of indicated zones of gold and silver mineralization on the area surveyed. In additinn, similar exploration programmes should be conducted over selected areas of the HOL 1-4 claims.

Submitted by:

ALLEN GEOLOGICAL ENGINEERING LTD.

Per Alfred R. Allen P.Eng.

Alfred R. Allen

September 1987.

REFERENCES

Jones, A.G., GSC Mem 296, Vernon Map Area

Landsberg,N.R., Geology, Geophysics, Geochemistry, and Trenching at Lumby Mine near Vernon Nov. 24/83
Map, Geology, Fig.3 Quinto Mining Corporation Nov./83

White, Glen E., Vector Pulse Electromagnetic Survey Chap. 8 (BS -3) claim Oct./84

Kurnan, D.L., Assessment Report, BS and PS claims Groups Vernon M.D.,B.C. Dec./1986

Shuswap Falls N.T.S. Map 82 L/7

Okulitch, A.V., Et, Al, GSC Paper 637-5 sheets

Smith, P.A., Et, Al, Airborne Survey Mag. and E.M. Quinto Mining Corporation, Lumby Project Dighem Surveys & Processing Inc. Mississauga, Ont. Oct./86

Allen, A.R., The Lumby Property, Vernon, M.D. Zedko Petroleums Ltd. July/84

* * * * * * * * *

ZICTON GOLD LIMITED

COSTS STATEMENT

GEOPHYSICAL SURVEYS.....June 10 - 29 incl. 1987

LOCATION: B.S. 3 and HOL 1-4 claims, Vernon Mining District

BY: ALLEN GEOLOGICAL ENGINEERING LIMITED

OPERATOR: A.T. LaRose
For: Prospecting Geophysical Services
Maple Ridge, B.C.

Alfred R. Allen	Fees, 6 days @ $350/day	$2,100.00
	Travel, Allen & Nelson	498.55
	Auto Rental	102.56
	Accommodation, Allen & Nelson	570.95
	Instrument Rental	150.00
	Food, meals, supplies, telephone	287.53
		$3,709.59
Ralph Nelson	20 days @ $150/day	3,000.00
	Food, meals and supplies	654.16
		$3,654.16
A.T. LaRose	Fees, Geophysical Services, 10 days @ $200/day	2,000.00
	Transportation, car rental 10 days @ $65/day	650.00
	Accommodation & meals 10 days @ $65/day	650.00
	Scintrex MP 2 Mag rental 11 days @ $45/day	495.00
	Start up (rental) for MP 2 Mag	150.00
	Calculations, mapping, interpretations and 5 copies of the three final maps	600.00
		$4,545.00

Total field and mapping: $11,908.72

Alfred R. Allen.

702 - 2025 Bellevue Avenue
West Vancouver, B.C. V7V 1B9

(604) 926-4785

CERTIFICATE

September 1987.

I, Alfred R. Allen, certify that:

I am a graduate of the University of British Columbia and hold the following degrees therefrom:

BASc Geological Engineering 1939

MASc Geological Engineering 1941

I am a Life Member of the Association of Professional Engineers of the Province of British Columbia.

I have practised my profession for the past forty years.

I hold no interest in the properties or securities of Zicton Gold Limited, or affiliates thereof, nor do I expect to receive any, directly or indirectly.

The report on the Lumby Property, Vernon Mining Division, B.C., is based on supervision by the writer on the property June 10 - 12 inclusive and 26 - 29 inclusive 1987.

Alfred R. Allen P.Eng.

Alfred R. Allen

702 - 2025 Bellevue Avenue
West Vancouver, B.C. V7V 1B9

(604) 926-4785

September 1987.

British Columbia Securities Commission
Vancouver, B.C.

Dear Sirs:

Re: Zicton Gold Limited

I hereby consent to the use of my report dated September 1987, on the Lumby Property of Zicton Gold Limited in the Vernon Mining Division, British Columbia, in any prospectus or statement of Material Facts.

Yours truly,

Alfred R. Allen P.Eng.

Alfred R. Allen

September 25, 1987.

TO WHOM IT MAY CONCERN

Mr. A.T. LaRose is a supervising Geophysical Technician for the British Columbia Department of Highways.

He has proven his expertise as a geophysicist on other field geophysical projects for Allen Geological Engineering Limited.

Mr. LaRose was employed as a geophysical operator for Kerr Addison Mines Limited 1968 - 1972.

His company is Prospecting Geophysical Services
11914 - 212 Street
Maple Ridge, B.C.
V2X 7X1

Alfred R. Allen

Alfred R. Allen

A B D F G H I J K L M N P Q R S T U V W X Y Z

B/L — 0 — B/L

10 — 20 — 30 — 40 — 50 — 60 — 70 — 80 — 90 — 100 — 110 — 129

QUIN
3 Tag Post

N

22°

CENTER FENCE

SOUTH FENCE

1: 250,000 NTS 82L

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,349

ZICTON GOLD LIMITED

RONKA EM 16 (INPHASE) SURVEY

LUMBY BS 3 MINERAL CLAIM

VERNON M.D. B.C.

Allen Geological Engineering
Per Alfred R. Allen P. Eng.
Sept/87
#8

50m 0 50 100 150m
1:2500

8/7/87

A F G H I J K L M N P Q R S T U V W X Y Z

B/L

10

20

30

40

50

60

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100

110

120

N

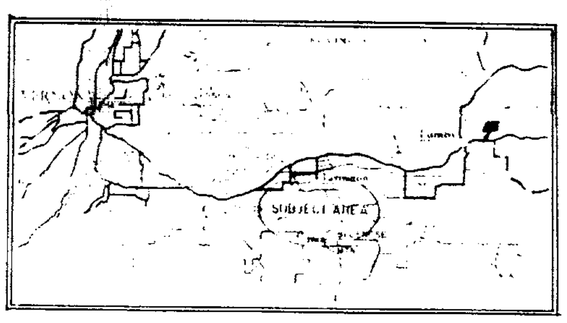
M

22°

QUIN 3
Tag Post

INPHASE PLOTS

QUADRATURE PLOTS



SCALE FOR DATA PLOTS

80 60 40 20 0 20 40 60 80

IN UNITS OF DEGREES

0 30 60 90 0 150

PLAN SCALE 1:3000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,349

ZICTON GOLD LIMITED

RONKA EM16 (VLF) SURVEY

LUMBY BS3 MINERAL CLAIM

VERNON M.D. B.C.

Allen Geological Engineering

Per Alfred R. Allen P.Eng.

Sept/87
#7

A B D F G H I J K L M N P Q R S T U V W X Y Z

B/L

0 10 20 30 40 50 60 70 80 90 100 110 120

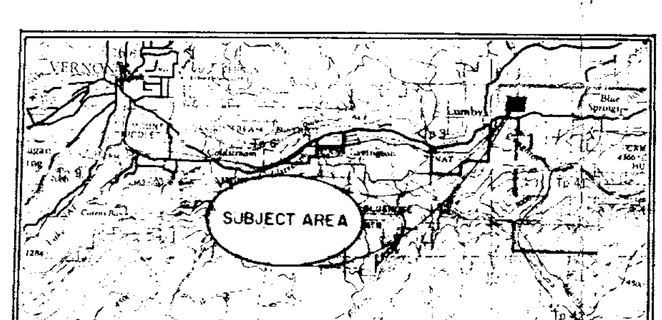
QUIN
3 Tag Post

N

22°

CENTER FENCE

SOUTH FENCE



1: 250,000 NTS 82L

Allen Geological Engineering
Alfred R. Allen P.Eng.

Sept/87
#6

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,349

ZICTON GOLD LIMITED

MP2 MAGNETOMETER SURVEY

LUMBY BS3 MINERAL CLAIM

VERNON M.D. B.C.

50m 0 50 100 150m
1:2500

8/7/87

LEGEND GEOLOGY MEM. 296

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT
21 — *Glacial, lacustrine, and fluviatile gravel, sand, silt, and clay*

TERTIARY
OLIGOCENE OR MIOCENE
KAMLOOPS GROUP
20 — *Basaltic lava and flow breccia; minor rhyolitic lava and breccia; local sandstone, shale, conglomerate; coal*

CRETACEOUS OR TERTIARY
19 — *Pink to red syenite and quartz syenite; pink and white mottled granite*

MESOZOIC

JURASSIC AND/OR CRETACEOUS
COAST INTRUSIONS
18 — *Granite, granodiorite and allied rocks*

TRIASSIC
UPPER TRIASSIC
NICOLA GROUP
17 — *Andesite; minor basalt; some limestone and conglomerate*

(?) LOWER AND/OR UPPER TRIASSIC
SLOCAN GROUP
16 — *Slate, quartzite, limestone, phyllite, mica schist; may be in part equivalent to 17*

PALÆOZOIC

CARBONIFEROUS (?) AND PERMIAN
CACHE CREEK GROUP (13-15)
15 — *DIVISION C: mainly limestone; minor argillite, quartzite, and andesite lava, breccia, and tuff*

14 — *DIVISION B: mainly andesite lava and tuff; minor argillite, quartzite and limestone*

13 — *DIVISION A: mainly argillite*

PROTEROZOIC AND/OR PALÆOZOIC

WINDERMERE (?) OR EARLY PALÆOZOIC
12 — *Argillite, phyllite, schist, quartzite, limestone, conglomerate*

WINDERMERE (?) OR CAMBRIAN
11 — *BADSHOT FORMATION: limestone and marble; minor argillite*

WINDERMERE OR (?) CAMBRIAN
HAMILL SERIES
10 — *Quartzite, staurolite schist, argillite, phyllite; minor limestone*

WINDERMERE OR EARLIER
9 — *OLD DAVE INTRUSIONS: serpentinized, ultramafic dykes*

ARCHÆAN OR LATER

SHUSWAP TERRANE

MOUNT IDA GROUP (1-7)
7 / 7A — *EAGLE BAY FORMATION: chlorite and sericite schist, slate, limestone, quartzite; minor conglomerate*
7A. Predominantly limestone

6 — *SICAMOUS FORMATION: flaggy limestone, sericite schist; graphite schist*

5 — *MARA FORMATION: argillite, slate, sericite and chlorite schist; limestone*

4 — *TSALKOM FORMATION: green andesite and agglomerate; chlorite schist; slate*

3 — *SILVER CREEK FORMATION: slate, sericite schist, garnetiferous quartz-mica schist*

2 — *CHASE FORMATION: quartzite, calcareous quartzite, garnetiferous quartz-mica schist*

CHASPERON GROUP
B — *Argillite, chlorite schist, mica schist; quartzite, limestone. May be equivalent to Mount Ida group, in part*

MONASHEE GROUP
1 / 1A,C — *1. Granitoid gneiss, augen gneiss, mica-sillimanite-garnet schist, quartzite, marble, hornblende gneiss, slate phyllite*
1A. Limestone
1B. Quartzite
1C. Hornblende gneiss

Bedding (inclined, vertical, horizontal)
Foliation (inclined, vertical, horizontal)
Lineation (plunging and horizontal)

BEDDING AND FOLIATION WITH LINEATION

	Bedding	Foliation
Inclined (with plunging lineation)		
Inclined (with two plunging lineations)		
Inclined (with horizontal lineation)		
Vertical (with horizontal lineation)		
Inclined (with horizontal and plunging lineations)		
Horizontal (with one horizontal lineation)		
Horizontal (with two horizontal lineations)		
Inclined (lineation directly down dip)		

Fault (approximate, assumed)
Anticline (upright, overturned)
Syncline (upright, overturned)
Fossil locality
Mining property
Mineral occurrence

Geology by H.M.A. Rice, 1945, 1946, and by A.G. Jones, 1947-1951

To accompany G.S.C. Memoir 296 by A.G. Jones

Cartography by the Geological Survey of Canada, 1959

ZICTON GOLD LIMITED

PROPERTY AND GEOLOGY

Vernon Sheet

Scale - Miles

G.S.C.Mem296

May/87 Allen Geological Eng.

No.5 Per Alfred E. Allen P. Eng