

LOG NO: 10-10	RD.
ACTION:	
FILE NO:	

DIAMOND DRILLING
REPORT
THE LUMBY PROPERTY
VERNON MINING DIVISION, B.C.
D.D. HOLE Z90-2
ON THE OK CLAIM

PREPARED FOR:
ZICTON GOLD LIMITED
 602-543 Granville Street
 Vancouver, B.C.
 V6C 1X8

BY:
 Alfred R. Allen, P.Eng.,
ALLEN GEOLOGICAL ENGINEERING LTD.
 827 West Pender Street
 Vancouver, B.C.
 V6C 3G8

SUB-RECORDER
 RECEIVED
 OCT 3 1990
 M.R. # _____
 VANCOUVER, B.C.

82C/7W
 50° 19'
 118° 59'

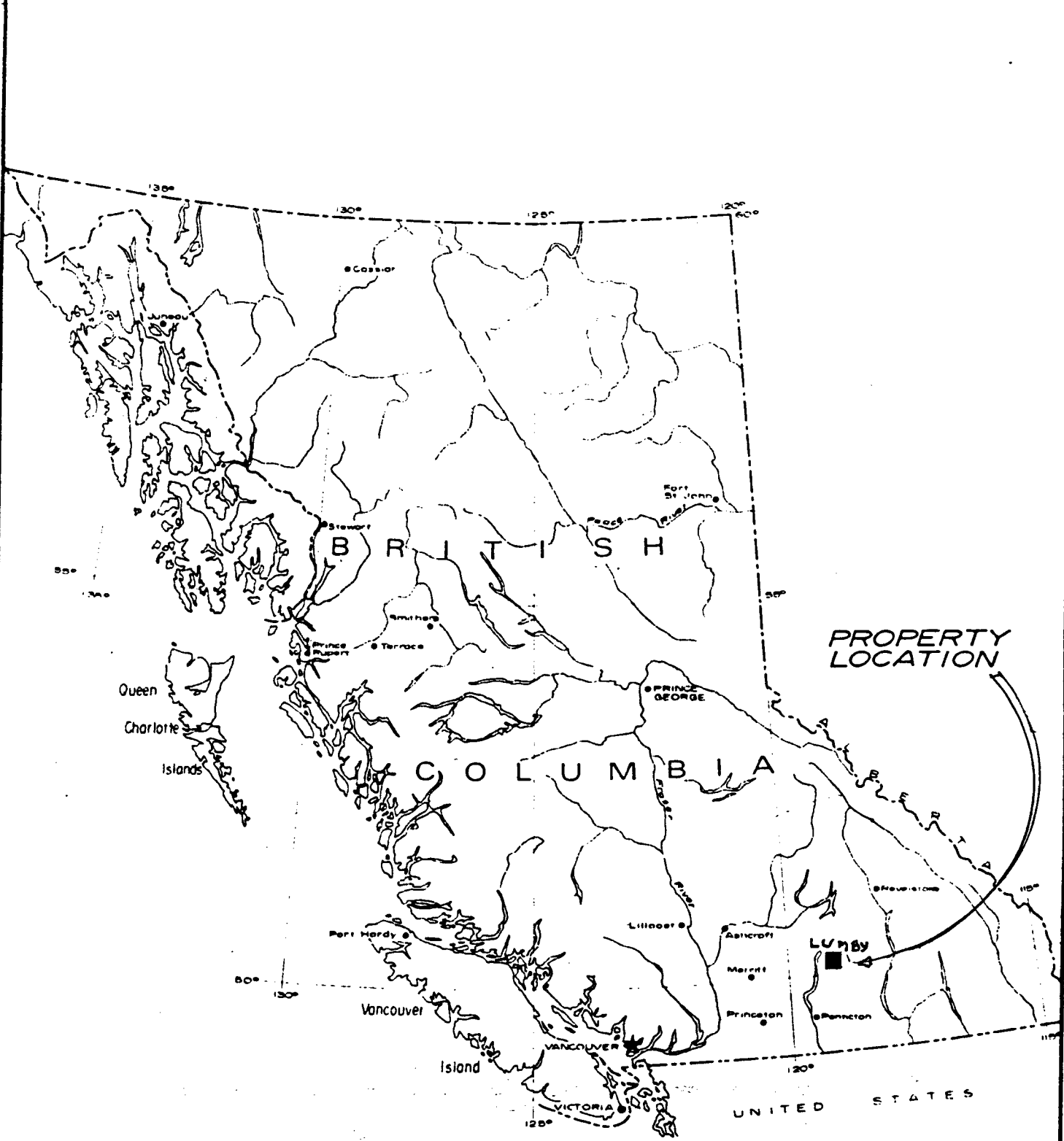
DATED: SEPTEMBER 1990

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

20,363

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No. 1		
ZICION GOLD LIMITED		
LOCATION MAP		
ALLEN GEOLOGICAL ENGINEERING LTD.		
per <i>Alfred R. Allen</i>		
Alfred R. Allen, P.Eng.		
Drawn by	Date	Scale
A.R.A.	15/8/90	1" = 136 Mi.

A. INTRODUCTION

The site selected for diamond drill hole Z90-2 is collared in the northeast area of the OK claim, 49 m. N 75° E from the collar of the OK 89-1 drill hole, and 5 m. lower in elevation. It is directed N 5° E at - 65°, and NQ core recovery is estimated at 90% for the full 61.6 m. It was drilled to check the mineralized zone penetrated by hole Z89-1.

B. LOCATION

The Zicton Gold property is located in the Vernon Mining Division-Okanagan region of South Central British Columbia.

Five located mineral claims are on the east side of Lumby, and two are located 8.5 kilometres north of Lumby, in the headwaters area of Deafies Creek.

C. PROPERTY

Zicton Gold Limited holds the following adjoining located mineral claims in good standing:

Claims	Record Nos.	Expiry Date
OK	2016 20 units	September 20, 1991
HAZ #5	1845 10 units	July 11, 1991

D. PHYSIOGRAPHY

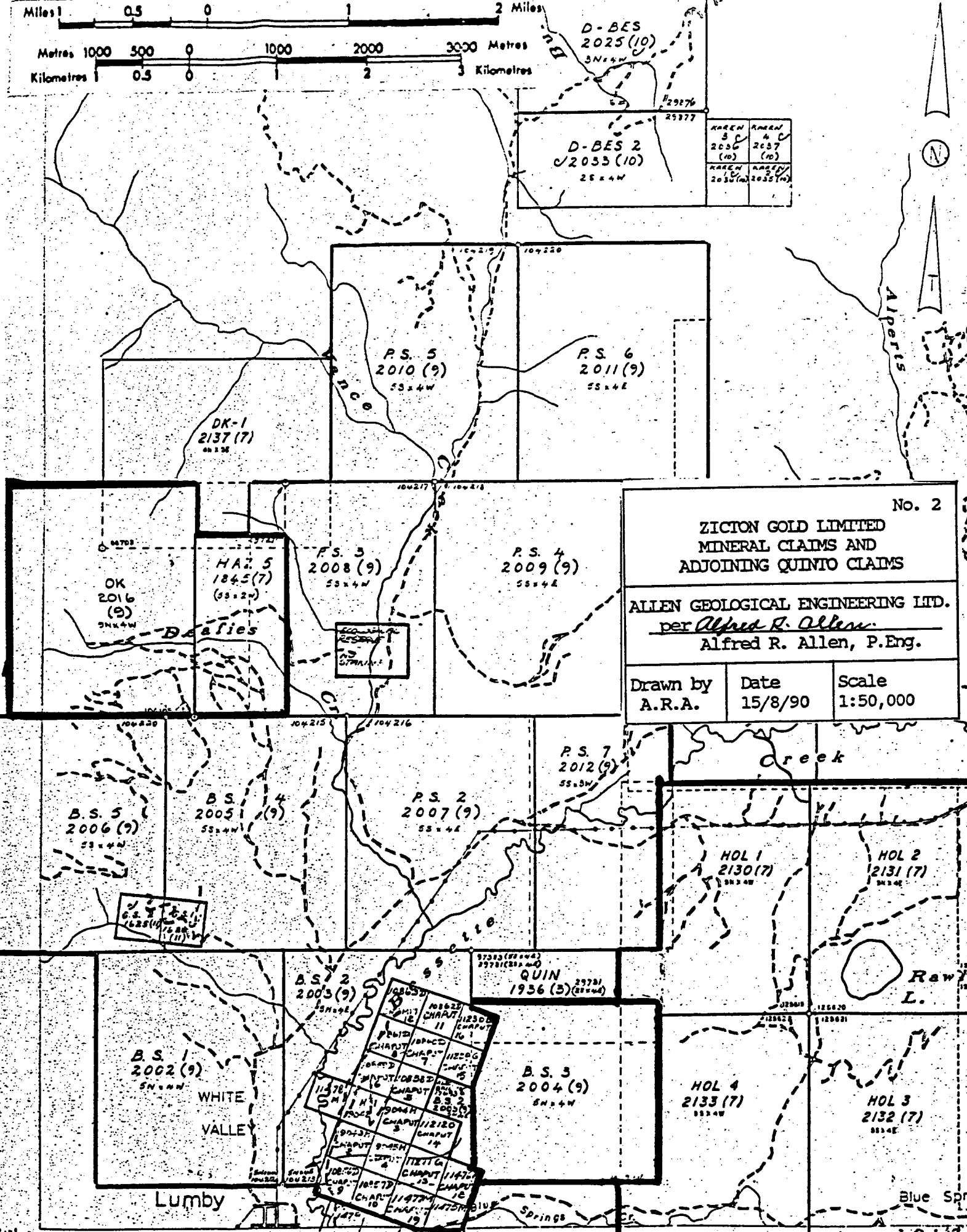
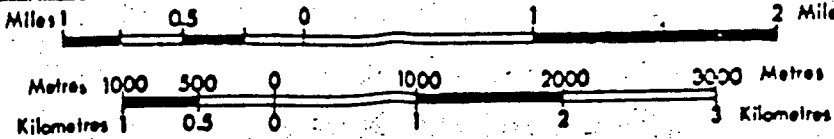
The OK and HAZ #5 claims area is drained by the east to southeast flowing Deafies Creek. The topography includes a rounded 363 m. summit located in the central eastern area of the OK claim and a 398 m. ridge on the west corner of the claim. Deafies Creek flows east across the southern area of the OK and HAZ #5 claims at the 213 m. elevation, east to southeast slopes on the HAZ #5 claim range from 274 m. elevation on the northeast corner to 213 m. on the southeast corner.

E. HISTORY

The OK claim was staked by Mr. John Hilton, September 14-16, 1985, and recorded in Vernon September 20, 1985. On September 21, 1987 it was conveyed to Zedco Petroleums Ltd.

The HAZ #5 was staked by Mr. Sid Johnson June 28-July 2, 1984, recorded in Vernon July 11, 1984, and conveyed to Zedco Petroleum July 11, 1984.

The OK and HAZ #5 claims have since been conveyed to Zicton Gold Limited.



KAREN 5 2036 (10)	KAREN 4 2037 (10)
KAREN 2 2035(10)	KAREN 3 2035(10)

No. 2

ZICTON GOLD LIMITED
MINERAL CLAIMS AND
ADJOINING QUINTO CLAIMS

ALLEN GEOLOGICAL ENGINEERING LTD.
per Alfred R. Allen
Alfred R. Allen, P.Eng.

Drawn by A.R.A.	Date 15/8/90	Scale 1:50,000
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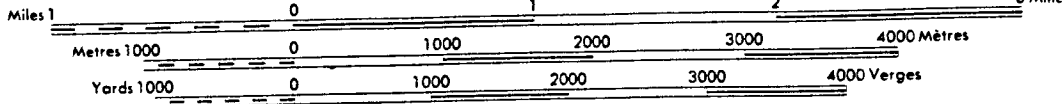
M82L/7W

119°00'

VERNON MINING DIVISION

TO SOUTH SEE MAP 62L72

Scale 1:50,000 Échelle



ZICTON GOLD LIMITED
 TOPOGRAPHY AND
 MINERAL CLAIMS

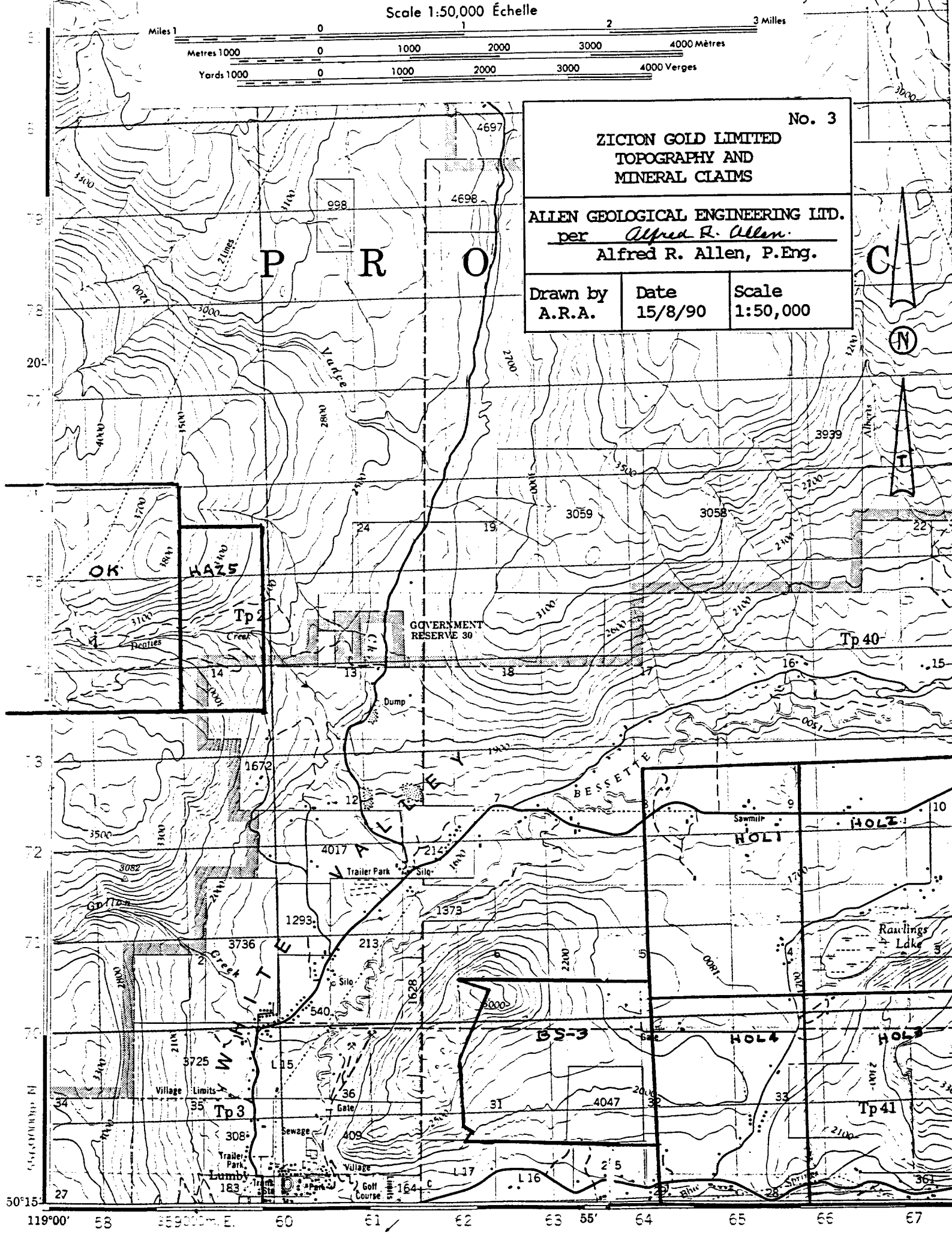
No. 3

ALLEN GEOLOGICAL ENGINEERING LTD.
 per *Alfred R. Allen*
 Alfred R. Allen, P.Eng.

Drawn by
 A.R.A.

Date
 15/8/90

Scale
 1:50,000



F. THEORY

Previous claim owners had conducted exploratory work adjacent to the east boundary of the OK claim. A shear zone was investigated and an outcrop of vein quartz 3m. by 1m. sampled. The shear exposed iron oxidized gouge. In addition the electromagnetic anomalous Vance zone, mapped by Quinto mining, was terminated at the east boundary of the HAZ #5 claim where it is one kilometre wide. These are typical indications of mineralized zones on both the Zicton Gold and Quinto properties and warrant detailed investigation..

G. GEOLOGY

To date, because of limited outcrops, the regional geology of the area as mapped by the Geological Survey of Canada provides a valuable source of information, summarized as follows from the reports of Jones A.G., Memoir 296, and Okulitch Paper 637.

The stratigraphy and structure are summarized as follows:

Archean or Later

Monashee Group

Granitoid and augen gneiss, mica-sillimanite-garnet schist, quartzite, marble, slate, phyllite, limestone and quartzite. the electromagnetic anomalous Vance zone, mapped by Quinto mining, was terminated at the east

Sicamous Formation

Limestone, sericite and graphite schists.

Eagle Bay Formation

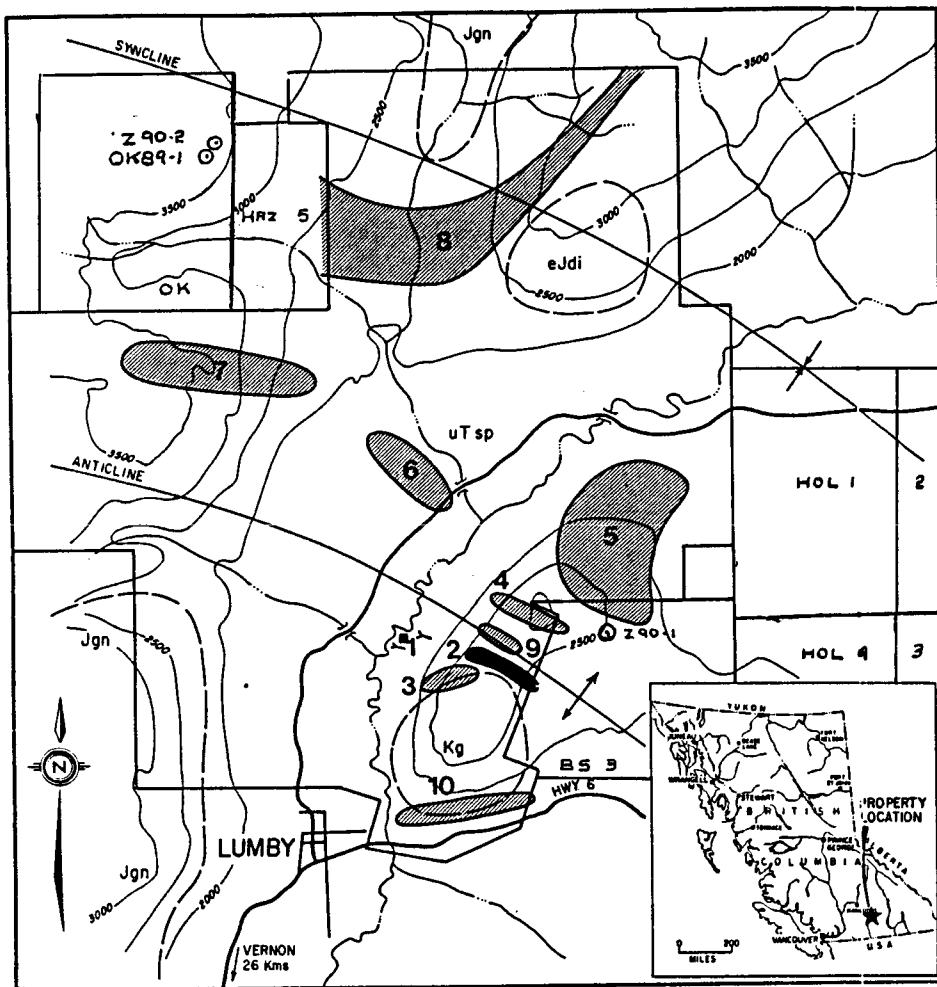
Chlorite and sericite schist, slate, limestone, quartzite and minor conglomerate.

Cache Creek Group - Carboniferous (?) and Permian

Argillite, lava, andesite, tuff, quartzite, limestone and breccia.

Nicola Group-Upper Triassic

Andesite , limestone, conglomerate, and minor basalt.



LEGEND

■ ADITS, MILL

● TARGET ZONE

- 1 MINE ZONE; Ag, Pb, Zn, Cu, Au VEINS
- 2 PLATEAU ZONE; Au VEINS, PROPOSED MINING
- 3 CONTACT ZONE; Ag-Au VEIN, Au SOL ANOMALY
- 4 CLIFF ZONE; Au VEINS, Au SOIL, GROUND/AIRBORNE VLF/EM ANOMALY
- 5 SADDLE NORTH ZONE; AIRBORNE EM ANOMALY
- 6 COOPER'S ZONE; 10-30 m WIDE QUARTZ/SULPHIDE VEIN
- 7 DEAFIES ZONE; AIRBORNE VLF ANOMALY
- 8 VANCE ZONE; AIRBORNE EM ANOMALY
- 9 SADDLE ZONE; Au SOIL, GROUND EM ANOMALY, Au FLOAT
- 10 TEACHERS ZONE; Zn, As, Ag, Au VEINS, Au SOIL, AIRBORNE VLF ANOM.

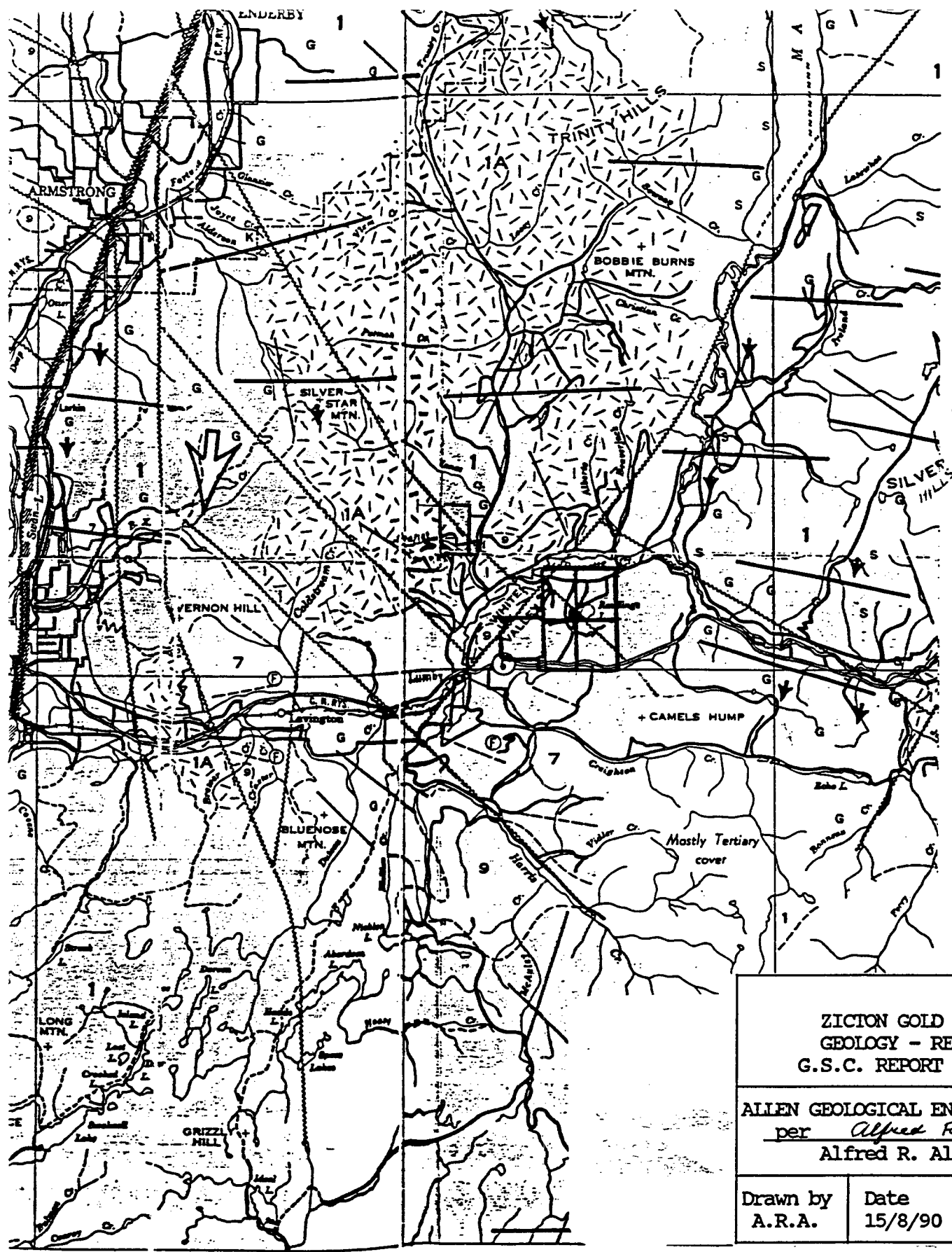
GEOLOGY

- | | |
|------|---------------------------|
| Kg | GRANODIORITE |
| Jgn | GRANITE, QUARTZ MONZONITE |
| eJdi | DIORITE |
| uTsp | VOLCANICS AND SEDIMENTS |

No. 4		
ZICTON GOLD LIMITED GEOLOGY GEOPHYSICAL ANOMALIES D.D. HOLES Z90-2 AND OK89-1		
ALLEN GEOLOGICAL ENGINEERING LTD. <i>per Alfred R. Allen</i> Alfred R. Allen, P.Eng.		
Drawn by A.R.A.	Date 15/8/90	Scale 1:50,000

KILOMETRES 0 .5 1 2 3 4 KILOMETRES

JW



No. 5		
ZICTON GOLD LIMITED GEOLOGY - REGIONAL G.S.C. REPORT MEM. 296		
ALLEN GEOLOGICAL ENGINEERING LTD. per <i>Alfred R. Allen</i> Alfred R. Allen, P.Eng.		
Drawn by A.R.A.	Date 15/8/90	Scale 1" - 4 mi.

Vernon map-area, British Columbia, showing also distribution of Shuswap

Scale : One Inch to Four Miles = $\frac{1}{253,440}$

QUATERNARY
PLEISTOCENE AND RECENT **LEGEND**

CENOZOIC

21

Glacial, lacustrine, and fluvial 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

JURASSIC AND/OR CRETACEOUS
COAST INTRUSIONS

18

Granite, granodiorite and allied rocks

MESOZOIC

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

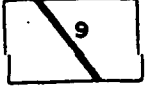
WINDERMERE OR EARLIER

9

OLD DAVE INTRUSIONS: serpentized, ultramafic dykes

PROTERO

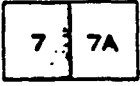
WINDERMERE OR EARLIER



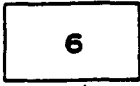
OLD DAVE INTRUSIONS: serpentized, ultramafic dykes

SHUSWAP TERRANE

ARCHEAN OR LATER



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



SICAMOUS FORMATION: flaggy limestone, sericite schist, graphite schist



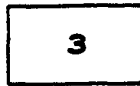
MARA FORMATION: argillite, slate, sericite and chlorite schist, limestone



CHAPPERON GROUP
Argillite, chlorite schist, mica schist; quartzite, limestone. May be equivalent to Mount Ida group, in part



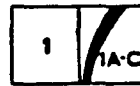
TSALKOM FORMATION: green andesite and agglomerate, chlorite schist, slate



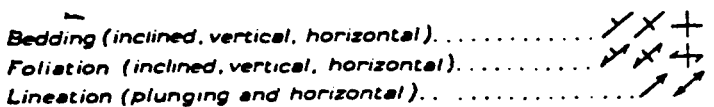
SILVER CREEK FORMATION: slate, sericite schist, garnetiferous quartz-mica schist



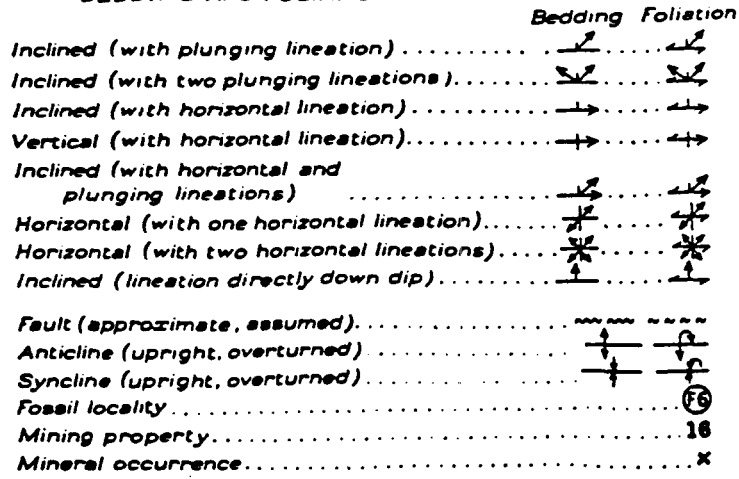
CHASE FORMATION: quartzite calcareous quartzite; garnetiferous quartz-mica schist



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



BEDDING AND FOLIATION WITH LINEATION



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

Granitic Intrusives

Jurassic

Kamloops Group-Tertiary

Lava, breccia, sandstone, shale, coal.

Faults

Four major faults strike north, 3 northwest and one southeast across the Lumby area.

Folds

One anticline and one syncline strike northwest across the Lumby area.

Intrusives

A diorite stock is partially exposed 1.6 km. north from Lumby. A granitic intrusive is located adjacent to the southwest corner of the BS-3 claim, and granodiorite outcrops 10 kilometres to the southwest in the Brewer Creek drainage area. Twelve kilometres south of Lumby there is a similar granitic exposure in the Harris Creek drainage area. Each of the intrusives is adjacent to or penetrated by fault zones.

Mineralized shear zones

A mineralized shear zone in the northeast area of the OK claim strikes at 255° and is close to vertical. A large exposure of quartz is located at the east end of the shear zone. From this outcrop the shear has been exposed by stripping and trenching for 26 metres westerly. From 23 to 24 metres of this shear quartz and massive sulphides have been exposed and sampled. This showing is composed of fine to coarser cubic pyrite, chalcopyrite, limonite, arsenopyrite and sphalerite. There is also a one-foot zone of fragmented white quartz and pyrite, remarkably similar to those located in the Quinto mine workings.

H. PREVIOUS WORK

A mineralized quartz vein was hand worked by a Lumby school teacher, about 1900, but to date no serious exploration program has been conducted over the showings.

In the early 1960's the Chaput logging family of Lumby prospected the Saddle Mountain area and staked the Chaput claims.

The mine vein system was discovered to contain excellent silver, lead, zinc and copper mineralization, and 2000 tons was mined from surface showings and shipped to the Trail smelter from 1969-1970.

F.K. Explorations Ltd. built a 50 ton per day mill. Alberta Gypsum acquired the property and mill in 1971 and conducted an exploration project designed to outline ore reserves.

Coast Interior Ventures (NPL) acquired control and operated from 1974 to 1979.

In 1980 the mill was increased to a capacity of 150 tons per day, but production was terminated for lack of ore.

An exploration program was instigated but the operation was terminated.

In 1983 the property and mill were acquired by the Quinto Mining Corporation. An aggressive exploration and development program is being conducted over the enlarged property.

I. OBJECT OF THE DRILLING

The Z90-2 was drilled to provide sub-surface data from the recently exposed well mineralized fissure vein.

J. DIAMOND DRILLING

The collar of Z90-2 is located in the northeast area of the OK claim, 49 metres N 75° E from the collar of the OK 89-1 hole. It is directed N 5° E Azimuth at an angle of -65° to penetrate the mineralized zone. The NQ core recovery was 90% for the full 61.6 metres of hole. The core was logged and sampled by the writer, June 13 and 14, 1990.

The site preparation and drilling of the Z90-2 hole was contracted to Newmac Industries of Kamloops, B.C.

K. DRILLING RESULTS

Beneath 4.9 metres of overburden is 11.9 m. of black fine-grained argillite and graphitic argillite contain narrow and irregular quartz veins and pyrite in fractures and disseminations. This is underlain by 2.1 m. of grey argillite with pyrite and pyrrhotite, 12.1 m. of dark grey argillite with pyrite in irregular zones and fractures, a 6.1 m. zone of black argillite and 18.3 m. of black graphitic argillite with pyrite blebs and disseminations as well as in fractures, and chalcopyrite with blue and green oxides.

L. DISCUSSION

The Z90-2 hole was drilled to acquire detailed mineralogical and structural data from the shear zone and wall rocks hosting quartz, sulphides, precious metals and associated minerals.

The importance of the shear zone is enhanced by the airborne electromagnetic anomaly, detected by the Quinto Mining Corporation. The anomalous zone extends from the northeast area of the Quinto property westerly for 8 kilometers to the east boundary of the HAZ 5 claim..

M. RECOMMENDATIONS

It is herewith recommended that additional diamond drilling be considered, easterly and deeper on the OK mineralized zone.

Submitted by:

ALLEN GEOLOGICAL ENGINEERING LTD.

Per Alfred R. Allen.
Alfred R. Allen, P.Eng.

September 15, 1990

REFERENCES

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- Landsberg, N.R., Geology, Geophysics, Geochemistry,
Trenching, Nov 24, 1983
- White, Glen E. Vector Plus Electromagnetic Survey, Chap 8
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- Kuran, D.L. Assessment Report BS & PS Claims Groups,
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- Kuran, D.L. Lumby Project, Lumby, B.C., Vernon M.D., NTS
82L/7W Phase III Exploration May 1, 1987.
Quinto Mining Corporation.
- Okulitch, A.V., et al G.Sc. Paper 637 5 sheets May, 1987
- Smith, P.A. et al., Airborne Survey Mag. and E.M. Quinto Mining Corp.,
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- Allen, A.R. The Lumby Property, Vernon M.D., B.C., Zicton Gold
Ltd., May 1987 (revised)
- Allen, A.R. The Lumby Property-Diamond Drilling Report
Zicton Gold Ltd., August 1990 OK & HAZ 5 Claims
- Allen, A.R. The Lumby Property-Diamond Drilling Report
Zicton Gold Ltd., August 1990, BS-3 Claim

COST STATEMENTZICTON GOLD LIMITED
DIAMOND DRILLING CONTRACT

<u>DATES</u>	Start June 11/90 Finish June 15/90	
<u>HOLE</u>	Z90-2	
<u>LOCATION</u>	OK Mineral Claim	
<u>DIRECTION</u>	Azimuth N 5o E at -65o	
<u>LENGTH</u>	61 Meters Core NQ	
<u>EQUIPMENT</u>	Bulldozer: Case #11	
	Drill: Long Year Super 38	
	Truck: Ford 3/4 Ton, flatbed and trailer	
<u>CREW</u>	James MacNiell, Driller	
	Aaron MacNeill, Helper	
	John Hilton, Coordinator	
<u>COSTS</u>	Diamond Drilling 61 Meters	
	@ \$59 per meter	\$3,600.00
	Road and site preparation	150.00
	Mob and demob	250.00
	Travel	200.00
	Truck rental	105.00
	Accommodation and meals	475.00
	Core Boxes	70.00
	Consulting: Alfred R. Allen	\$1,500.00
		<u>6,350.00</u>

CERTIFICATE

5383 Nancy Green Way,
North Vancouver, B.C., V7R 4N2

August 15, 1990

I, Alfred R. Allen, certify that:

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

B.A.Sc., Geological Engineering, 1939
M.A.Sc., Geological Engineering, 1941

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

I have practiced my profession since graduation.

I hold no interest in the property 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 examination of the property by the writer on June 7-14, 1990.

Alfred R. Allen

Alfred R. Allen, P.Eng.

September 1990

The British Columbia Securities Commission
Vancouver, B.C.

Dear Sirs:

Re: Zicton Gold Limited

I hereby consent to the use of my report of July, 1989 on the Lumby Property, Vernon Mining Division, B.C. in any prospectus or statement of material facts or other material to be filed with the British Columbia Securities Commission, or the Vancouver Stock Exchange by Zicton Gold Limited.

Yours truly,

ALLEN GEOLOGICAL ENGINEERING LTD.

Per:

Alfred R. Allen. P.Eng.
Alfred R. Allen

Zictonrfr\Allen

APPENDIX

Diamond Drill Record

Laboratory Assay Certificate

DIAMOND DRILL RECORD

COLLAR _____
 NORTH _____
 EAST _____
 ELEVATION _____
 AZIMUTH _____ 5°
 DIPS _____ 65°

COMPANY Zicton Gold Limited
 PROPERTY OK and HAZ 5 Claims
 LOCATION Lumby Vernon M.D., B.C.

HOLE Z90-2
 STARTED June 7/90
 FINISHED June 14/90
 DEPTH 61.6 m-65°
 PURPOSE Check
 LOGGED BY Alfred R. Allen

% Core Recovery	From	To	Description	Samples m				Oz. ton Assays P.P.m.				Averages		
				Sample No.	From	To	Width	Au	Ag	Pt.	Te.			
90%	0	4.9	Overburden (cased)											
	4.9	10.4	Black argillite											
	10.4	11.3	White quartz veinlets with pyrite											
	11.3	16.8	Black argillite											
	16.8	18.9	Grey argillite - pyrite, pyrrhatite											
	18.9	21.9	Dark grey argillite pyrite in fractures and disseminated											
	21.9	24.9	Pyrite - very fine coating											
	24.9	28.0	Dark grey argillite pyrite banded and disseminated											
	28.0	31.0	Same											
	31.0	34.1	Grey banded argillite, finely diss. pyrite											
	34.1	37.2	Same quartz stringers and pyrite											
	37.2	40.2	Black argillite, quartz veins & pyrite											
	40.2	43.3	Black argillite - pyrite white quartz veins											
	43.3	49.4	Pyrite & chalcopyrite	#1140	50.6	55.5	4.9	0.001	0.02	0.001	0.05			

