

827252

Vancouver Island Recon. Samples  
Summer 1982

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Sample locations on topo-maps that were  
in the hanging file.

- Twin J area - some samples have been analysed - see topo. map.
- Cowichan / Horne LKs area
- Bonanza Volc south of Cowichan LK.

Dec. 22/82

PWAS

8-20' E & B

8-9' of Snow

Drilling 840/ft all in

Claims good to Dec. 1983

work req'd next summer.

Field season July 1 - Oct. 15/83

### ECSTALL PROP

- walking up Red Gulch Creek.

Photo #1 Typical Gelsio + MS Boulder

#2

"

"

"

- just south of sock showing

Photo #3 Looking up creek

#4 Looking down creek

#5 Looking <sup>west</sup> at S showing

#6 Looking <sup>at</sup> Red Gulch  
Creek not old working  
in MS along strike

#7 Looking <sup>at</sup> Main Showing

#8 Mast. Py. Boulder 30 ft  
from main showing

#9 West Side of Mass

Sulf showing  
Interbanded gtz biot-schists  
& Qtz ser. schists.

Some remnant volcanoclastic  
texture is more mafic  
stuff.

#10 Near vertical contact  
of Massive Py &  
Meta-tuffs

#11 Felsic Bands W of MS

#12 Chl-biot-Py  
Schist on west  
side - Alt's zone?

#13 Felsics

## Pond Showing.

Qtz - ser schist - max. posite.

Photo 1 Looking toward LK

#2 Qtz ser schist

#3 Rock Terrain

#4 Pond Felsic

#5 Looking towards basal

#6 Looking towards  
herselfly - just below  
snow line

#7 looking towards Lake - same

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## Backsack Mass.

- drilled in 60's

by Texagulf

#8 Looking from backsack  
towards Herselfly

massive Mg/Cg Pyrite bands  
in Qtz - ser schist

Possibly some vague  
fragmental textures

Reminiscet of Winston LK.

.36 4.5 Zn 1.5 Ag

HORSEFLY

} Just Below Tree Line

Photo #9 2' Band.

#10 Looking along strike  
at trench

Hosted by Qtz Ser Sch

& Qtz-biot schist

Geophysics has been  
run over it.

Chris does not believe  
it was drilled.

#11 Horsefly Host

Helicopter 8 495/HR

Jet Ranger Bell 206

July 9 VANC. IS.

North Sicker Volc west of  
Parksville.

Hotel 3075 Km

Stop #1 Cameron LK 3183<sup>2</sup> Km  
Massive non-descript mafic volc  
weak epid.

Flow? and/or Lithic Tuff

2% Diss Py (Po) Gls

Non-magnetic

Sample VI-1

Stop #2 Cameron LK 3184.8 Km

VI-2 - as above but appears more  
mafic - basaltic.

< 1% diss py.

- occasional epidotic patch.

VI-3

- as above. 3185.5 Km

VI-4

- as above 3187.2 Km

VI-5 Steeply <sup>east</sup> <sup>north east</sup> dipping

medium greenish schistose  
intermediate Ando-Decitic  
fuff. Moderate chl.

No sulph.

Some lensoid 3mm atz-carb.  
clasts.

3196.4 Km.

VI-6 3197.4 Km

Medium-Light greenish grey  
vesicular mafic volc

Green hue due to epid-sauss-ser?

No sulphides.

VI-7 3198.3 Km.

as in VI-6 but not  
as vesic.

VI-8 Out of small trace  
Greenish amyg. mafic volc.  
21% Diss subhedral py  
West edge of Sicker.

VI-9 Mafic Volc.  
3218.7 Km.

\* Photo #5 Looking NNE  
at Sicker Group Chert? Ls?

Dip 10 - North of Cowichan Lk

VI-10 Very poor exposure, crumbly  
weathered, possible large boulder-  
angular haven't moved far  
Massive mafic volc.  
No sulphides

VI-11 Very poor exp.  
Mafic Volc?

VI-12 Fsp phytic flow?



VI-13 Fg Dark greenish grey  
mafic volc. Massive,  
moderately fucid.

No sulphides

Photo #6 Looking SE  
down Cowichan LK

VI-14 Medium greenish  
grey, fsp phytic, finely  
fractured, mafic volc.  
No sulphur

VI-15 Andesitic Volc  
by creek into  
Nisnet River

VI-16 MG Basalt  
or fg gabbro  
Tr has Py - Fe

VI-17 Weakly - Moderately  
schistose Pac - And Vols.  
Miner  $\approx 1\%$  Py

VI-18 Bedded tuff/seeds  
Cherty bands  $\approx 1\%$  diss Py  
Photo #9 Sicker inter volc  
seeds

VI-19 Decitic Volc Tuff.  
Some mafic intrusions in the  
vicinity

VI-20 Bonanza Volc?  
Dark brown black fg  
mafic volc? with conchoidal  
fracture.  
Outcrop covered in dust

VI-21  
as in VI-20

VI-22 Probably of dacitic  
composition. Esp, phytic  
Dusty outcrop.

VI-23 Mottled greenish,  
reddish sp, phytic rock  
Prob fragmental - Tuff

VI-24 Med. grey - greenish  
hue - brownish hue  
interm. volc.  
Dusty outcrop.

VI-25 Greenish Interm. Tuff

VI-26 Hematitic Coloured  
Lithic / xtal tuff

April 11

DUNCAN AREA SICKER

VI-27 Med-light greenish  
grey schistose Fragmental  
of Dacitic/Rhyodac. comp.  
Frag are "rodged" in sub-horiz.  
plane.

Mod sericite - chl

Tr diss py

VI-28 Sericitic schistose  
felsic volcanic  
10% subhedral dr py

VI-29

Mafic, mottled appearance  
due to irregular epidote  
patches

10-15% Hbl stals to  
3mm. Porphyroblasts  
2% Pyritic blebs

VI-30 Weakly-moderately chlo  
inter-felsic volc.

VI-31 Pyritic, sericitic  
felsic volc.  
Schistose, poddled subp.  
up to 10% sulph.  
One narrow lens.  
srs band of diss py

VI-32 Gabbroic

VI-33 Intern. - Felsic weakly  
seric-chl. volc? with  
some 2mm hbl xtals  
1-2% diss py specks

VI-34 QFP

VI-35 Fsp phytic interm  
intrus? flow?

VI-36 Qtz - ser schist  
No sulph.  
Photo #10

VI-37 Gabbro

VI-38 Hwy Road Cut  
Massive unalt'd feldspar  
porphyry diorite  
Occasional Qtz eye up  
to 5mm.  
Photo #11

VI-39 Mafic Fragmental  
10-20% rounded to  
locally subangular epydotitic  
frags, up to 3cm,  
in dark grey mafic  
matrix, wk-mod chl.  
Hbl xtals  
Photo #12 → 15

Hbl xtals prominent  
in matrix & epydotitic frags  
& patches

VI-40 Chlc - schist  
10% Oxid Py

Photos

VI-41 Intern / Felsic schist  
ser/chl 10-15% Py  
On trans-Canada,  
possibly along strike  
from Twinings  
Photo #16

July 13

Nitnat LK → Cowichan LK

VI-42 Fsp phytic, medium  
grey (brownish hue) Andes-Dac.  
volcanic. No sulphides

VI-43 Massive maroon coloured  
volc. Mafic.

VI-44 as is VI-43  
Fsp phytic

VI-45 Dacite Massive Volc.  
5% finely diss py

VI-46 Massive Dac/And. Volc.  
1-2% Diss py



Outcrop VI 47 & 48

looks like some strongly alt'd  
blocks of volc are included in  
a mafic intrusion

VI-47 Mafic Intrusion with  
hbl x'tals noticeable

VI-48 Strongly, alt'd  
rusty volc with 10% Fy  
disc p)

VI-49 Slightly more siliceous  
band (dimension not defined)  
within greenish-maroon  
mafic volc.

VI-50 Mottled Greenish-maroon  
mafic volc - weakly  
vesicular

Granite Creek

Photo #17 Diorite Intrusion  
↳ cherty bands on boulder in creek

VI-51 Fg Greenish Volc.  
To diss P.

VI-52 Greenish-maroon Volc

VI-53 Massive fg medium  
greenish grey rock  
looks like dacite - rhyolite  
but it's soft. Likely limestone

VI-54 Fg And/Dac Volc.  
Medium-light beige greenish  
grey

VI-55 Fg greenish grey  
andesitic volc.

VI-56 Fg greenish / maroon  
mottled volc.

Mr. Liebermann  
Peppa Resources  
George Oystrik  
Secretary - Treasurer

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July 14

Walked from Tye Shaft westwards  
#1 Shawconite  
Photo #18  
Sodic Fsp in mafic rock

Strong chlc schist noted on  
north side of deposit  
South side fg sericite schist  
80

Photo #19.

Round cherty clast in  
rhyolite sericite schist

#20 Sericite schist

#21 Primary bedding  
bedded tuff

Some grey-black argillite interbedded  
with QP.

Qtz eyes roddeled.

Some primary bedding evident

Exhalite

"Vein" E-W

Photo # 22 Roddeled Py  
"strs" identical to Westman

# 23 Ser. schist with  
Py "strs"

Note Upper Left  
foliation

# 24 Graphitic Argillite  
South side of vein

Photo # 1 Scenery from Tye

## NE Cu Zone

- thought to be a separate  
sericite schist zone located  
east + north of Type - Leona

Photo # 2

QP Lappili Tuff

Note stretched frgs

#3 Close-up of QP

#4 Py band in QP

#5 " " " "

#6 Fg schist fabric tuff

#7 Rhy Volcaniclastic  
rocks of ore zone

#8 CB shonkinite

374-4451  
Room  
37

Nels Vollo

3744359 office

3727688 Home

①  
ADAMS PLATEAU - BARRIERE LK.

July 20/82

① SPNR

Unit 3

Photos 20, 21, 22

N-Spl-Cl Brachi in beds  
Remnant of Goldstream

Prominent fold

At least 3 stages

Line over it.

② Lucky-Coon

Unit 3

Adams Silver Resources Inc.

1977 Produced 1360 Tons

7-8% Pb

7-8% Zn

~ 10 oz/t Ag

Very Little Au.

1981 1600 M

18 Holes

EM survey

1982 Some pitting



40  
FW Chl. Schist

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Qtz - ser. schist

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Phyllitic Schist - Argillite  
HW?

Two? massive sulphide  
horizons have been  
sporadically tested over  
9000' strike.

2520 metres  
Strike  $045^{\circ}$

Dip  $40^{\circ}$  NW

Arseno.

(2)

Lucky-Coar.  
Gene Dodd - President  
Adams Silver Res. Inc.  
Vancouver.

also  
President of  
Columbia Geophysical  
&  
President of  
Trans-Arctic Expl.  
Service Co. that does  
staking etc.

Suite 1807  
1450 W  
Georgia  
6035246

Larry Ritoman  
Geologist for Trans-Arctic.

Photo # 24 Lucky Coar Core  
#25 Sulphide rich band  
& seds. Anhydrite schists  
#26, 27, 28

③ Mosquito King  
In the Tuffite 7(b)  
Gentle dips.

Photo #29 Banded Sulphides  
Vic photo indicate  
narrow chunks of galena  
Very lousy

Within Nol Vollos Tuffite.  
Local Calc. silicates  
Not much outcrop

800-1000' above Noli Rhy.  
Photo #30 Tuffite - actually  
quite a mixture but  
contains limy bands + siliceous  
band

Many galena bands  
Photo #31 Folded Tuffite

WEST OF ADAMS LK.

Sicamousse.

Unit 10a.

Photo #32 Looking E at felsic  
on east side of Adams Lk.

Unit Greenschist N. of  
Homestake felsic.

Series of schistose And/basalt

~~flow~~ tuffs + fragmental

Photo #33 fragmental

Fragr squishy fiko parcats,

Homestake Property,

Kanab. Silver - creek,

1980 Consumer's gas took  
an option for \$1,500,000

Cordillera Engr. did work.  
Mapped surface.

~~Mike~~

Idea to go underground and  
do expl. drilling.

Reviewed underground data

Not sufficient width & grade  
to justify underground.

∴ Consumer's Gas of Denver  
bought themselves out of  
option

Photo # 34 Qtz Ser Schist

Dips of schistosity  $\approx 25^\circ$

Dips of minz'n  $\approx 30^\circ$

Photo # 35 Adit area

$\pm 800,000 T$

Ag 0.70 oz/T

Au ~~0.002~~ 0.0025

Ba 2.20%

Zn 0.4%

Pb 0.25%

Cu 0.055%

Production 1926-1941  
intermittent

7670 Tons

41700 Tons milled

361 gm Au 20145 Kg Cu

281,549 gm Ag 311503 Pb

448,224 Zn

CHU-CHUA

July 21/82

Photo #36 Looking East @  
N. Barrière Lk.

Far Peak - Granite.

Standing on West Argillitic unit

Photo #1 Ribbon Chert

Photo #2 Chert Pebble Cong.

"Debris Flow"

Basalt frags

Massive rhy. lentic frags

Rounded & angular frag

Matrix gritty - sedimentary

Rounded sulphide rich clasts

QFP Frags

Photo #3 Storm

DDH 13

80M -

DDH 29

95M

NW Pillowed Basalt.

Photo # 4 Chu Chuc Core

# 5

# 6

# 7

# 8

Talc. within cult zone  
above mt.

Core - Massive pillowed basalt

- Fg - Mg massive pyrite  
not banded, some fragmental
- irregular patches Cp
- massive Mt.

- saw massive talc

FW - some siliceous looking  
material with some stes

→ alt'd bleached basalt

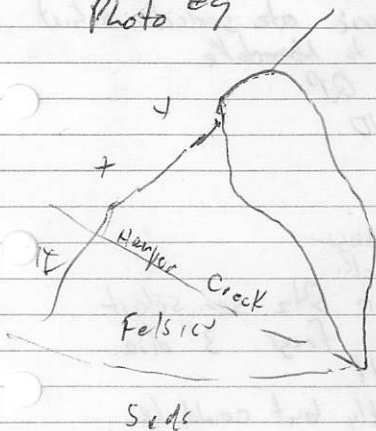


(2)

Vestor Explorations  
Mike Kenyon.

option agreement with Craigmont

Photo #9



Rainbow Showings

(used to be Cominos) 1978

Thin 1" band py & also

thin band Bph Col.

Drilled it.

Qtz phytic Qtz sericite schist  
similar to Homestake

Specimen QP

Photo # 10

Bet Showings

Birk Creek.

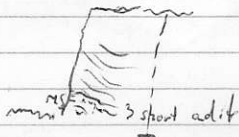
20 - 8' of MS in Qtz ser. schist

Massive py frags 3" dia.

Photo # 11

Dipping gently but could be  
subjected to some tight folding

Cominos drilled a few holes & missed



(3)

Bandol Carbonate also interangled

Mileage 20118

Photos 12 & 13

Unit 2d Congl.

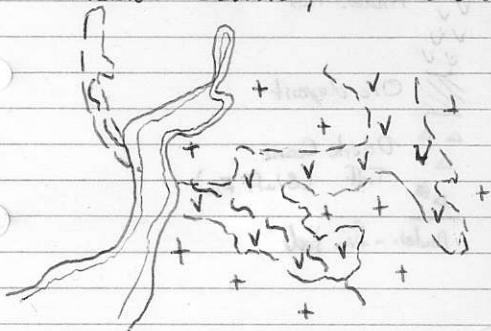
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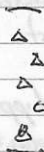
~~Geopel / Impressos~~  
Strongly vesicular

July 23 Britannia

- roof pendant of mid-Mesozoic volcanic - sed. rock surrounded by Jurassic/Cretaceous Coast Range Plutonic complex.
- a major steeply south-dipping shear zone crosses the pendant in a NW direction.
- All orebodies occur in this shear zone.
- 55 MT 1.1% Cu, 0.65% Zn, 0.202t Ag, 0.0202t Au

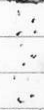
- Jurassic? Gambier, Britannic Group.



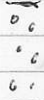


Andesite

Pyroclastics

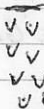


Argillite + silt.



Dacite lithic

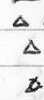
Tuff + xtal tuff.



Andes. Tuff



Ore deposit



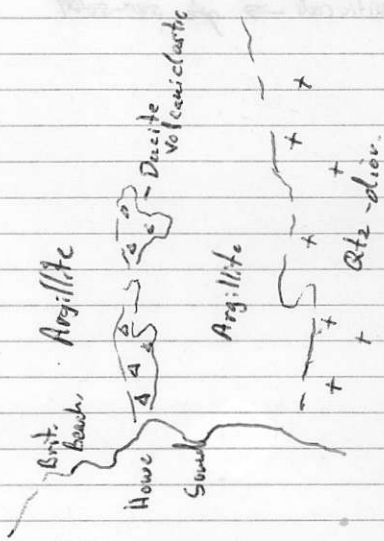
Dacite Coarse

Tuff (Btuff Fm)

Andes. - fine sed

Britannia

80% of the ore is sulphide str. and they occur in the silicified Bluff Tuff Bx.



Total Massivé

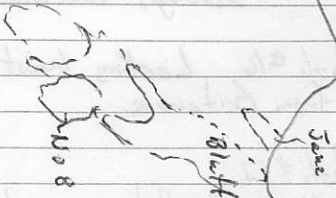
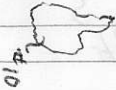
11.5 MT 2% Cu, 1.2% Zn, 0.1% Pb

Total Str.

435 MT 1.1% Cu, 0.4% Zn, 0.1% Pb

Alt'n.

- in a distance of 100' across strike  
Andesitic rock  $\rightarrow$  g<sub>1/2</sub> sec. solid



Britannia  
Long.





Photo #14 Looking S  
at Britannia Pit

Photo #15 Andes. Pillow Bs  
Strongly vesicular.

Photo #16 Looking West  
from Britannia.

Photo #17

Black Argillite overlying??  
the vesicular andesite bxs,  
pillow breccia and lithic/xtal  
tuff. Some QEP dykes  
noted cross cutting it.

Photo #18

Britannia "Str. ore"

Pyroclastic interstitial to felsic  
tuff frags

Photo #19 Jane Pit  
Possible silicified pillows  
Salvego sulphide Py-sph - frag

Photo #20 Close-up of #19

Photo #1 Matrix Int.

#2 In gutter of  
Britannic shear. Silicified  
pillow with 1, salvegos

Photo #3 Vfg schistose  
mudstone



Photo #4 Pillows

Photo # 5  
Felsic (Ser. Schist)

- #6 Pit July 23/82  
#7 Intern / Felsic Schist  
Py bands  
#8 Pit Looking towards  
face where pillows are  
#9 Finely banded chert  
carbonate unit

### General Impressions

- Highly vesicular volc. with some pillows Hw?
- Argillites look dead - no sulphides
- Pit area - some sericitic interm. stuff, some pillowed silicified stuff. Py pillows & veses
- lots of mafics in area. but only looked at one pit.

BASED PRINCIPALLY ON MAPPING BY ANACONDA GEOLOGISTS

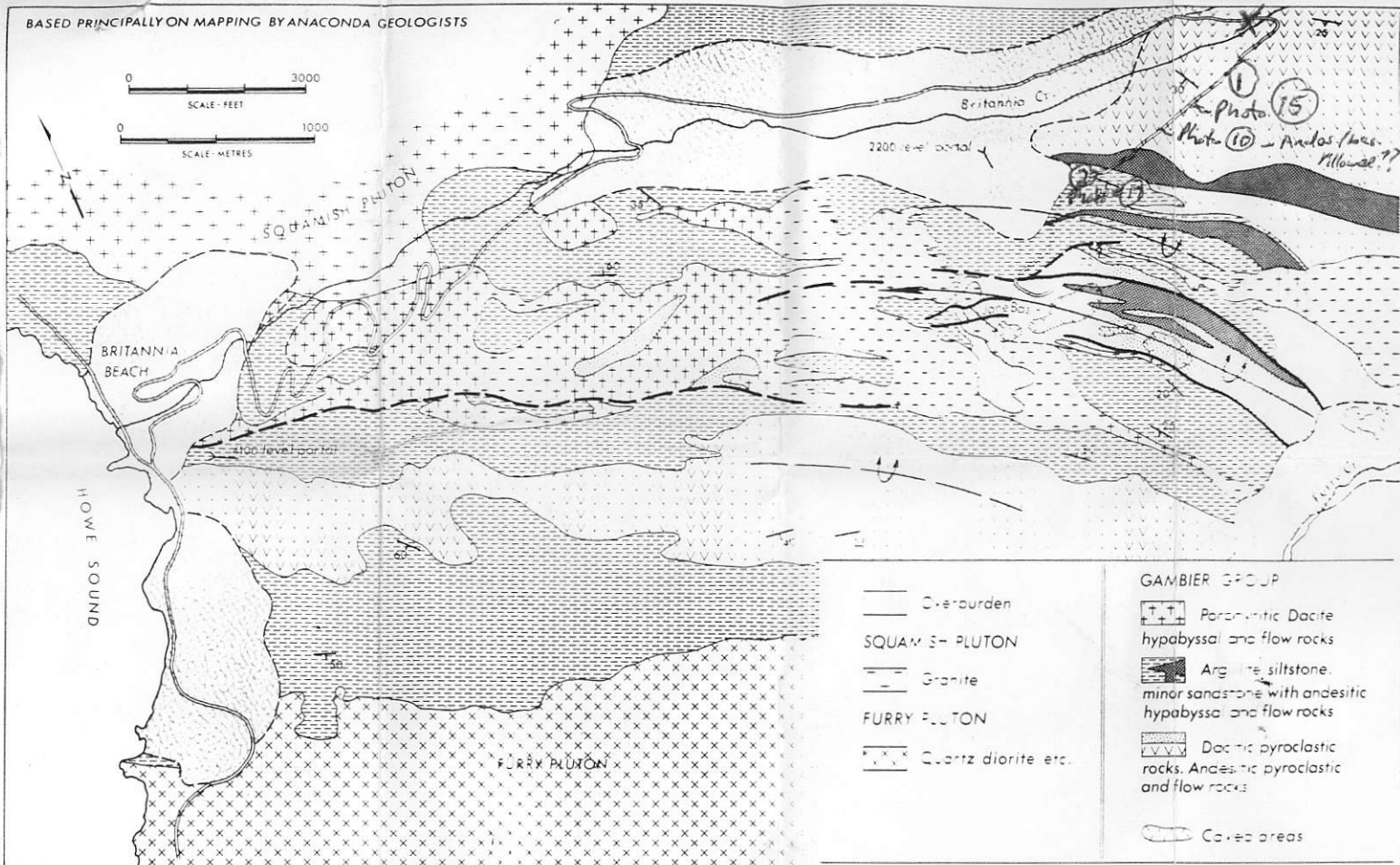
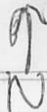


Figure 25. Generalized geology of Britannia mine area, Anacoda Canada Limited.



Equator

45°



Main Zone

Inapelli Unit

Al<sup>2</sup>SiO<sub>5</sub> - andalusite  
- cordierite

Some silic.

Finely diss. sulf.  
in matrix

Occasional  
massive pods



South Zone

Photos 7-8

Frac. Filled

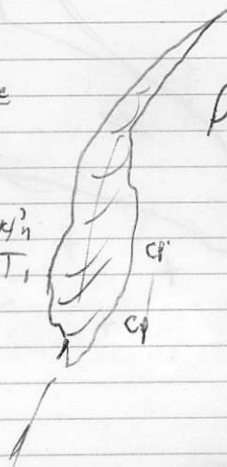
tetra.

Sericite Al<sup>2</sup>SiO<sub>5</sub>

Fine Part T<sub>1</sub>

3

low  
py Frac.  
Filled





Lapilli ←



Reworked  
Volc

Chert  
Tobole  
Cong

↑  
Facies  
change



Dust Tuff

Mudic  
unit



Elev. diff Houston  $\rightarrow$  Mine  
2100'

EQUITY

S. Tail

130 gm Ag

1 gm Au

0.4 Cu.

Cut off \$ 6.00 US

Operating Cost

\$ 16.00 / Ton

Main Zone

90 gm Ag

Open at depth

.35 Cu

.97 gm Au.

5500 TPD.

- leaching indium & arsenic  
out of conc. Cu-Ag-Au  
ore.
- penalized for Zn & Pb.

Photos 18 & 19.

Photo #20 Main zone

lapilli unit - Andes / Lapilli unit  
Dust & ash tuff frags

VANCOUVER ISLAND RECONN. GEOL.SICKER VOLCANICS

July 9 Cameron LK - Horne LK Area. NTS 92 F/7E

<u>Sample N°</u>	<u>Remarks</u>	<u>Analyses.</u>
VI-1	South side of Cameron LK. Massive, non-descript mafic volcanic Flow and/or lithic tuff, non-magnetic 2% diss Py (Po) blebs.	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O, Cu, Zn, Pb.
VI-2	Similar to VI-1 but appears more mafic, basaltic, <1% diss py. occasional epidotic patch	Whole rock.
VI-3	As above	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
VI-4	As above	Whole rock.
VI-5	Steeply east-northeast dipping medium greenish schistose andes/duc. tuff with moderate chlorite. No sulphides. Some 3mm lensoid gtz-carb. clasts.	Whole rock.
VI-6	Medium to light greenish grey vesicular mafic volcanics. Green hue due to epid-sauss.-ser. No sulphides	Whole rock
VI-7	As in VI-6 but not as vesicular	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.

②

Sicker VANCOUVER ISLAND RECONN. GEOL.

Cameron LK - Horne LK Area NTS 92 F/7E cont'd.

Sample No.RemarksAnalyses

VI-8 Greenish amygdaloidal mafic volcanics, < 1% diss. subhedral PY. west edge of Sicker whole rock.

VI-9 Mafic volcanics possibly Karmutsen. whole rock.

Photo #5 Looking NNE from VI-9 towards north edge of Horne LK where the Sicker Chert & Limestones may be seen.

July 10/82.

Area immediately north of Cowichan LK. NTS 92C/16

VI-10 Very poor exposure, crumbly weathered possibly large boulders - angular - have not moved far. Massive mafic volc., no sulphides. SiO<sub>2</sub> TiO<sub>2</sub> Na<sub>2</sub>O Cu, Zn, Pb.

VI-11 Very poor exposure. Mafic volcanics. SiO<sub>2</sub> TiO<sub>2</sub> Na<sub>2</sub>O Cu, Zn, Pb

VI-12 Fsp phyric mafic flow " " "

VI-13 Fg, dark, greenish grey mafic volc. Whole rock. Massive, moderately fric'd, no sulphides.

Photo #6 Looking ESE from VI-13 down Cowichan LK.

(3)

VANCOUVER ISLAND RECONN. GEOL.

Sicker Volc.

<u>Sample N<sup>o</sup>.</u>	<u>Remarks</u>	<u>Analyses</u>
VI-14	Medium greenish grey, fsp phyric finely fragmental mafic volc. No sulphides	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
NW of Cowichan Lk. NTS 92 C/15		
VI-15	Andesitic Volc. by creek into Nitinat R.	whole rock.
NTS 92 F/2		
VI-16	Mg Basalt on fg Gabbro Tr. diss. Py-Po	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb
VI-17	Weakly - moderately schistose dacitic - andesitic volc. Minor $\approx$ 1% Py	whole rock.
VI-18	Westerly Sicker Chert. Bedded tuff?, sediments Cherty bands $<$ 1% diss Py Photo <del>#8</del> #9	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
VI-19	Dacitic volc/tuff. Some mafic intrusives in the vicinity P	Whole rock.

(a)

## VANCOUVER ISLAND RECONN. GEOL.

BONANZA VOLC.

July 10, 1982.

South shore of Cowichan LK NTS 92 C/16.

<u>Sample N°.</u>	<u>Remarks</u>	<u>Analyses.</u>
VI-20	Dark brown-black f <sub>g</sub> mafic volcanic with conchoidal frac. Outcrop covered in dust	Whole rock.
VI-21	As in VI-20	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
VI-22	Fsp phyric dacitic volc. Dusty outcrop	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb
VI-23	Mottled greenish, reddish fsp phyric rock. Probably fragmental-tuff	" " " " " "
VI-24	Medium grey-greenish hue → brownish hue Intermediate Volc. Dusty outcrop	Whole rock.
VI-25	Greenish Intern. Tuff	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
VI-26	Hematitic coloured Lithic/xstal tuff?	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.

Twin J

VANCOUVER ISLAND RECONN. GEOL.

DUNCAN AREA SICKER NTS 92 B 13

Twin "J" produced 253,000 Tons 1898-1909

Rocks in mine area:

- cherty tuffs
- graphitic schists
- sodic-andesite porphyry
- sodic rhyolite porphyry
- sodic-diorite.

Cherty Tuffs: light grey rocks usually consist of  $\frac{1}{8}$  to  $\frac{1}{2}$  inch laminae of chert separated by thin layers of sericite schist.

: always associated with black graphitic schist.

Andesite Porphyry: located south of ore zone

: dull grey-green rock with a slight schistose texture

: contains widely spaced, well shaped crystals of albite and a few hbl crystals set in a fg to dense matrix of chl, epidote & carbonate.

: epidote nodules  $\frac{1}{8}$ " to 1" in diameter are characteristic of the rock - aligned in an east-west direction. The nodules consist of a fg intergrowth of epidote and qtz.

- vesicle filling

- replacement of plag. phenos

: thought to be extrusive.

Turin J

Rhyolite Porphyry: rhyolite porphyry and the diorites are the two most widespread rocks.

- : found in irregular areas both north and south of the deposits
- : thought to be intrusive into sediment, andesite porphyry + early phases of the diorite.
- : light grey-green to white schistose rock, characterized by albite phenos. Some phases of the rock have prominent gtz phenocryst or 'eyes' in addition to albite phenos.

<u>Sample No.</u>	<u>Remarks</u>	<u>Analysis</u>
VI-27	Medium - light greenish grey schistose fragmental of dacitic/rhyodacitic composition. Frags are "rodged" in sub-horizontal plane. Tr. diss. py	Whole rock.
VI-28	Sericitic schistose felsic volc. 10% subhedral diss. py.	whole rock.
VI-29	Mafic, mottled appearance due to irregular epidote patches 10-15% hornblende xtals to 3mm. Porphyroblasts?? 2% pyritic blebs.	whole rock.
VI-30	Weakly to moderately chlc interm. to felsic volc.	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.

Twp J

<u>Sample No</u>	<u>Remarks</u>	<u>Analyses</u>
VI-31	Pyritic, sericitic, felsic volc. Schistose, roddeed sulphide up to 10% sulph. One narrow 1cm str band of diss py.	Whole Rock.
VI-32	Gabbroic	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
VI-33	Interm. - felsic weakly seric-chl volc.? with some 2mm Hbl xtab 1-2% diss py specks.	" " " " " "
VI-34	QFP	Whole rock.
VI-35	Fsp phyric intermediate flow? intrusive?	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
VI-36	Qtz-ser schist No sulphides Photo #10	Whole rock
VI-37	Gabbroic	SiO <sub>2</sub> , TiO <sub>2</sub> , Na <sub>2</sub> O Cu, Zn, Pb.
VI-38	Massive, unaltered feldspar porphyry rhyolite. Occasional qtz-eye up to 5mm. Photo #11	Whole rock.



Twin J

Sample NoRemarksAnalyses

VI-39

Mafic Fragmental  
 10-20% rounded to locally  
 subangular epidotic "frags" up  
 to 3 cm in dark grey mafic  
 matrix, Hbl xtab evident  
 wk-mod. chl.  
 Photo # 12 → 15  
 Hbl xtab prominent in matrix & epidotic frags & patches

whole rock.

VI-40

Chlc schist within the mafic  
 fragmental. 10% diss py.

SiO<sub>2</sub>, TiO<sub>2</sub>, Na<sub>2</sub>O  
 Cu, Zn, Pb

VI-41

Interm./Felsic schist  
 Ser/chl 10-15% Py  
 Possibly along strike from Twin "J"  
 Photo # 16

SiO<sub>2</sub>, TiO<sub>2</sub>, Na<sub>2</sub>O  
 Cu, Zn, Pb

July 14 Twin J Area.

Peppa Resources - George Oystrik, Secretary-Treasurer.  
- Mr. Liebermann.

Walked from Tyee shaft westward.

1) Sodic Fsp in mafic rock. - Intrusive looks gabbroic.  
Shonkinite  
Photo #18

2) Strongly chloritic schist noted on north side of deposit.  
The south side is fine-grained sericitic schist.

Photo #19 - Rounded cherty clast in rhyolite sericite schist.  
#20 - Sericite schist  
#21 - Primary banding in Bedded Tuff.

3) General observation is some grey-black argillite is interbedded with  
QP.

Qtz - eyes are rodded

Some primary bedding evident - Exhalite?

Mineral zone trends E-W.

4) Photo #22 Rodded Py "strs" identical to Westmin.  
#23 Sericite schist with Py "strs". N.B - upper left - style  
of fol'n.  
#24 Graphitic argillite on south side of mineralized  
zone.  
Photo #1 Scenery looking from Tyee.

July 14 Twin "J"

NE Cu - Zone

- possibly  $\frac{1}{4}$  mile along strike from Twin "J" or could possibly be a separate sericite schist zone located east + north of Fye - Laura.

- Photo #2 QP lapilli tuff. - note stretched frags  
 #3 Close-up of QP  
 #4 Py band in QP  
 #5 " " " "  
 #6 Fy schistose felsic tuff.

On way out

- #7 Rhy volcanoclastic 1000' south of "ore zone"  
 #8 Coarse grained shonkrite.

Photos at Motel

- #9 - Massive sulphides  
 #10 Stringer sulphides  
 #11 QP front view  
 #12 QP Side view - Qtz eyes stretched.  
 #13 Banded Felsic  
 #14 Angillite - graphitic  
 #15 Chlc schist noticed on south side of zone.  
 #16 Qtz-sericite schist

LL

Vii

July 14

Twin J Samples

VI-57 Shonkonite intrusive

VI-58 - Massive Sulfide Sample

VI-59 - Chlc schist, south side of zone

VI-60 - Rhy QP.

VI-61 - Rhy - sericite schist

VI-62 " " "

VI-63 H.W sericite schist

VI-64 Sericite schist

NE-Zone - along strike 1300 ft??

VI-65 Pyritic Band

VI-66 Sericite schist

VI-67 " "

(b)

Bonanza Group

July 13 Nitnat → Cowichan LK.

VI-42 Fsp phytic, medium grey (brownish hue) andesite-dacite volcanic. No sulphides.  
Whole rock.

VI-43 Massive maroon volc.  $SiO_2, TiO_2, Na_2O$   
 $Cu, Zn, Pb$

VI-43 as in 43 Whole rock  
Fsp phytic.

VI-45 Pacific massive volc. Whole rock  
5% finely diss py.

VI-46 Massive dac/andes. volc.  $SiO_2, TiO_2, Na_2O$   
1-2% Diss py  $Cu, Zn, Pb$

Outcrop VI-47, 48 - Looks like some strongly alt'd blocks of volc. are included in a mafic intrusion.

VI-47 Mafic intrusion with Hbl xtal  $SiO_2, TiO_2, Na_2O$   
 $Cu, Zn, Pb$

VI-48 Strongly alt'd rusty volc. with 10% fg diss py. " " "

VI-49 Slightly more siliceous band (dimensions not defined) within greenish-maroon mafic volcanics.  $SiO_2, TiO_2, Na_2O$   
 $Cu, Zn, Pb$

VI-50 Mottled greenish-maroon mafic volc. Whole rock,  
Weakly vesicular.

(c)

Panorama

Photo #17 at Granite Creek ie Diorite Intrusive  
photo = subangular boulder in creek - cherty, exhalite bands.

- VI-51 Fg greenish volc., Tr. diss Py.  $SiO_2, TiO_2, Na_2O$   
Cu, Zn, Pb.
- VI-52 Greenish maroon volc. " " "
- VI-53 Massive fg medium greenish grey rock. " " "  
Looks like dacite - rhyolite but its  
soft - likely Ls.
- VI-54 Fg And/Dac. Volc. Medium-light Whole Rock  
beige greenish grey
- VI-55 Fg greenish grey andes. Volc.  $SiO_2, TiO_2, Na_2O$   
Cu, Zn, Pb.
- VI-56 Fg greenish/maroon mottled rock whole rock

SAMPLE NO.	COMMENTS	ANALYSIS									
		SiO <sub>2</sub>	TiO <sub>2</sub>	Na <sub>2</sub> O	Cu	Zn	Pb	Ag	Au	Ni	Co
ET - 1	Qtz-biotite schist, 5% Py	X	X	X		X					
ET - 2	Qtz-sericite schist, 5% Py	X	X	X		X					
ET - 3	Qtz-biotite schist volcanoclastic	X	X	X		X					
ET - 4	Qtz-sericite schist	X	X	X		X					
ET - 6	Qtz-sericite schist, 5% Py	X	X	X		X			X		
ET - 7	Qtz-sericite schist	X	X	X		X					
ET - 7a	Massive sulphides (pyrite)				X	X	X	X	X	X	X
ET - 7b	Qtz-chl-ser-schist	X	X	X		X					
ET - 8	Qtz-biot-schist	X	X	X		X					
ET - 9	Massive sulphides (pyrite)				X	X	X	X	X	X	X
ET - 10	Qtz-biot-schist	X	X	X		X					
VI - 27	Dacitic fragmental	X	X	X		X					
VI - 28	Sericitic, schistose felsic volcanic, 10% Py	X	X	X		X					
VI - 29	Mafic frag, epidotic patches, 10% hbl xtals, 2% Py	X	X	X		X					
VI - 30	Chlc.interm/felsic volcanic	X	X	X		X					
VI - 31	Sericitic, schistose felsic volcanics, 10% Py	X	X	X		X					
VI - 33	Interm/felsic, weakly seric/chlc. volcanic?, 2% Py	X	X	X		X					
VI - 34	QFP rhyolite	X	X	X		X					
VI - 35	Esp. phyric intermediate flow?, intrusion?	X	X	X		X					
VI - 36	Qtz-sericite schist	X	X	X		X					
VI - 38	Unaltered fsp porphyry rhyolite, occasional qtz. eye	X	X	X		X					
VI - 39	Mafic fragmental, epidotic	X	X	X		X					
VI - 40	Chloritic schist	X	X	X		X					
VI - 41	Interm./felsic schist	X	X	X		X					
VI - 59	Chlc. schist, south side of Twin J	X	X	X		X					
VI - 60	QP rhyolite	X	X	X		X					
VI - 61	Sericitic rhyolite schist	X	X	X		X					
VI - 63	H.W. sericite schist	X	X	X		X					
VI - 66	N.E. zone, sericite schist	X	X	X		X					