

006329



PROPERTY FILE

**SUMMARY OF
REPORT ON GEOLOGY, LITHOGEOCHEMISTRY,
SOIL GEOCHEMISTRY AND MAGNETOMETER SURVEY
ON THE**

BLUE CHIP 1 AND BLUE 1 CLAIMS

**Flores Island, B.C., Alberni M.D.
NTS 92E/8E 49°19.5'N Lat. 126°14'W Long.
For**

CORONET METALS INC.

by T. Greg Hawkins, PGeol.

March 7, 1990

Summarized May 7, 1990



SUMMARY

Exploration of the Blue Chip 1 and Blue 1 claims including geological mapping (1:5000); magnetometer surveying; rock, silt, and soil sampling; trenching and linecutting was carried out between October 1989 and February 1990.

Geological mapping indicates that the property is underlain by granodiorites of the Westcoast Complex, and metasediments and volcanoclastics of the Bonanza Group. Galena, sphalerite, pyrite and chalcopyrite occur locally in quartz veins which occur within shear zones. Rock samples returned values of up to 0.7 g/t Au (grab sample 6633), 603.4 g/t Ag (sample 6607), 4.92% Cu (sample 6484), 8.96% Pb (sample 6448) and 19.9% Zn (sample 6607). See page 11 for sample descriptions.

Soil geochemical values of up to 560 ppb Au, 7.3 ppm Ag, 162 ppm Cu, 22400 ppm Pb, 903 ppm Zn and 1482 ppm As were obtained. Coincident Cu, As + Au, and Ag anomalous responses have defined three zones varying in width from 200 to 300 m and in length up to 500 m. The magnetometer survey outlined five magnetic features, four of which trend in a north-south direction. Three of these magnetic features are coincident with soil geochemical anomalies. Analyses of heavy mineral concentrates of silt samples returned concentrations of up to 880 ppb Au.

Phase I geological, geochemical, and geophysical work is recommended at an estimated cost of \$100,000. Phase II diamond drilling is recommended at an estimated cost of \$250,000, if warranted by Phase I results.

1.0 INTRODUCTION

This report summarizes the geological exploration program conducted on the Blue Chip 1 and Blue 1 claims from October 19 to November 1, 1989, January 9 to 16, 1990, and February 10 to 15, 1990 by MPH Consulting Limited, at the request of Coronet Metals Inc. Fieldwork included geological mapping (1:5000); rock, silt and soil sampling; prospecting, trenching, magnetometer surveying, and the establishment of 7.7 km of grid.

2.0 PROPERTY LOCATION, ACCESS, TITLE

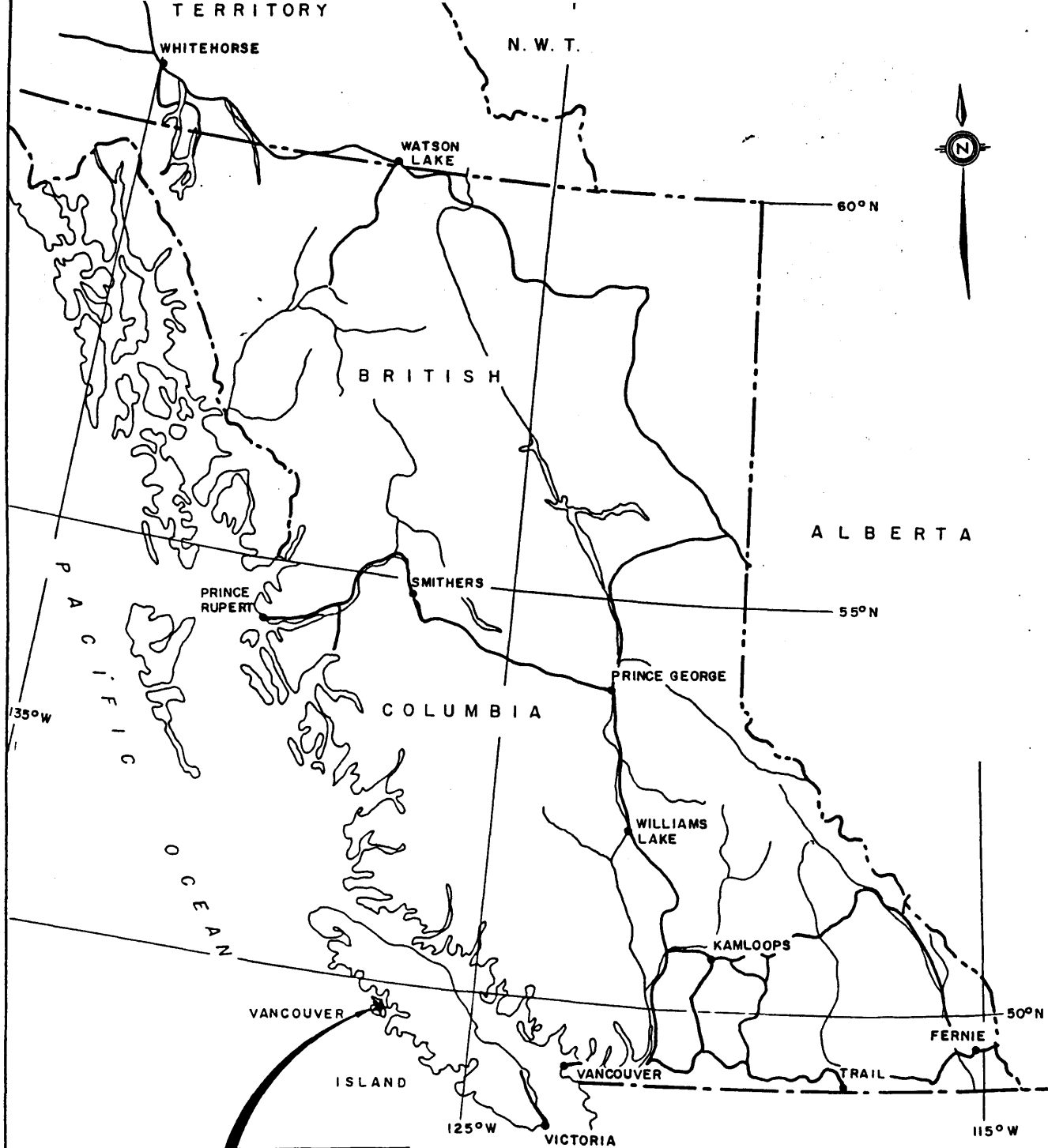
The Blue Chip 1 and Blue 1 claims are located on the southwest side of Flores Island (figure 1), approximately 30 km northwest of Tofino in the Alberni Mining Division of British Columbia. The claims are centred at approximately 49°19.5'N latitude, 126°14'W longitude on mapsheet 92E/8E (figure 2).

Access to the property is gained by boat, helicopter or float plane from Gold River, or Tofino.

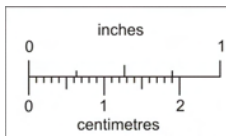
The property comprises 2 claims totalling 38 units, as summarized below:

<u>Claim</u>	<u>Record#</u>	<u>Units</u>	<u>Anniversary Date</u>	<u>Year Recorded</u>
Blue Chip 1	3645(8)	18	August 27, 1990	1988
Blue 1	3981(1)	20	January 15, 1991	1990

The claims are owned by Coronet Metals Inc.




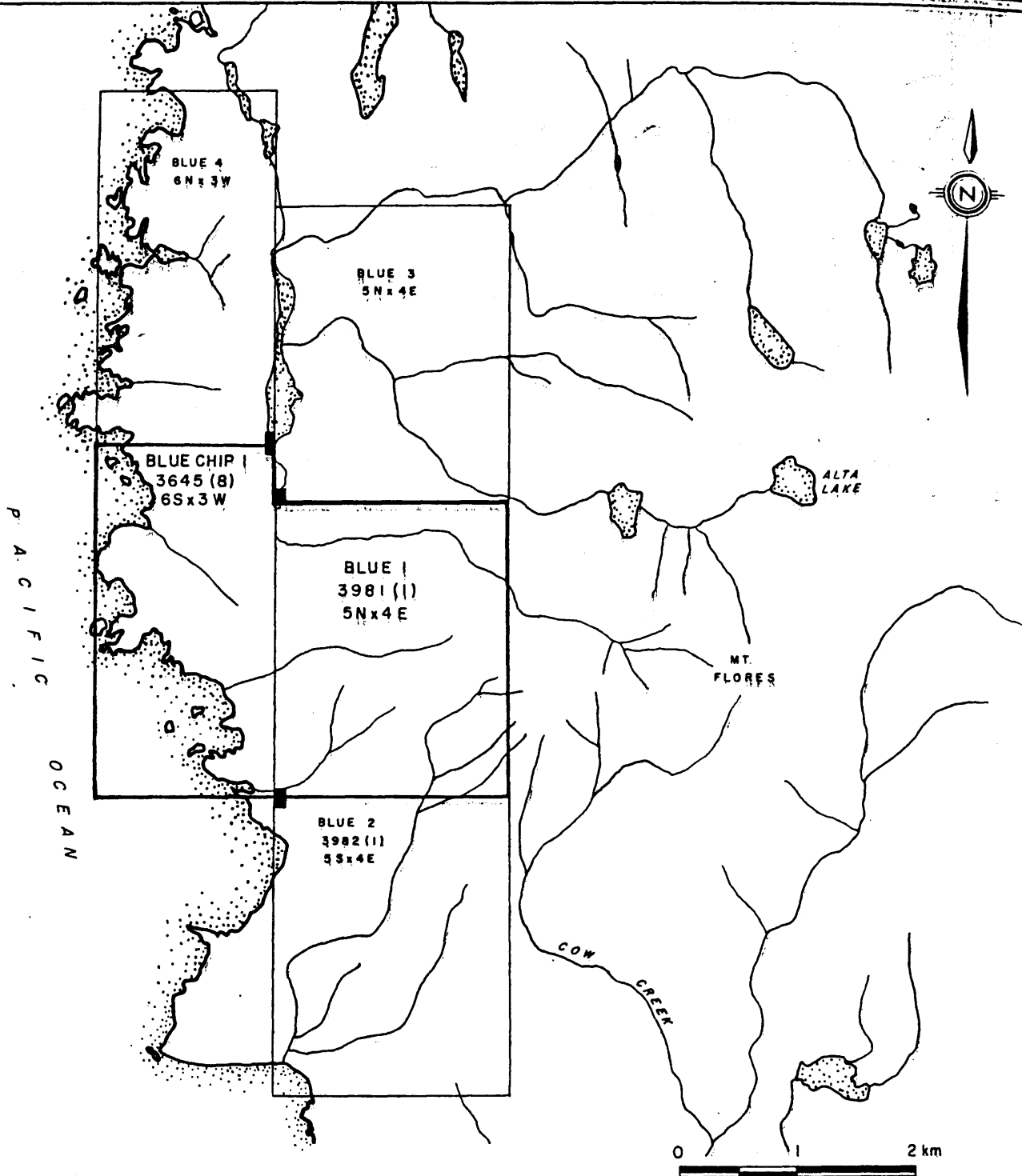
BLUE CHIP I & BLUE I CLAIMS



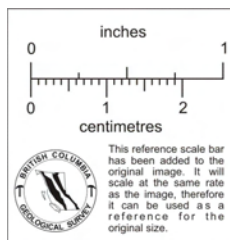
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CORONET METALS INC.	
GENERAL LOCATION MAP	
BLUE CHIP I & BLUE I CLAIMS ALBERNI MINING DIVISION, B.C.	
Project No: V 311	By: G. Y.
Scale: 1 : 8 000 000	Drawn: J. S.
Drawing No: I	Date: MARCH 1990
 MPH Consulting Limited	



NTS 92 E / 8



CORONET METALS INC.

CLAIM MAP

BLUE CHIP 1 & BLUE 1 CLAIMS
ALBERNI MINING DIVISION, B.C.

Project No. V 311	By G. Y.
Scale 1:50,000	Drawn G. Y. / dw
Drawing No. 2	Date: MARCH 1990



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3.0 PREVIOUS WORK

The ground which now comprises the Blue Chip 1 claim was originally staked by S. Craig in 1968. There is no record of assessment work being filed. The claims were allowed to lapse.

To the north, the Bay claim group was explored for copper and molybdenum in 1971. Geological mapping and a preliminary soil survey were conducted by D.L. Cooke Ph.D., P.Eng. for Canadian Superior Exploration Limited (Cooke, 1971). This exploration program identified the presence of chalcopyrite mineralization within several narrow fracture zones in porphyritic and granitoid intrusions. Soil geochemical results indicated only isolated copper anomalies.

In July 1988, Mr. Ted Hayes staked the Blue Chip 1 claim and prospected approximately 1 km of the shoreline, collecting 23 rock samples. Mineralized quartz veins returned concentrations of up to 1560 ppb Au, 149.7 pm Ag, 4328 ppm As, 19,825 ppm Cu, 29,849 ppm Pb and >99,999 ppm Zn (Thomae, 1988).

4.0 REGIONAL GEOLOGY AND ECONOMIC SETTING

The west coast of Vancouver Island in the vicinity of Flores Island is underlain primarily by plutonic, metavolcanic and lesser metasedimentary rocks of the Westcoast Complex (derived mainly from Paleozoic Sicker Group sediments and volcanics and Bonanza Group rocks) and a variety of volcanics of the Jurassic Bonanza Group (Muller et al., 1981) (figure 3). These rocks are intruded by Tertiary Catface Intrusions in the Flores Island area as well as other parts of Vancouver Island.

4.1 Regional Geology

The Sicker Group is composed of island-arc volcanoclastic and sedimentary rocks which are overlain by tholeiite basalt and limestone.

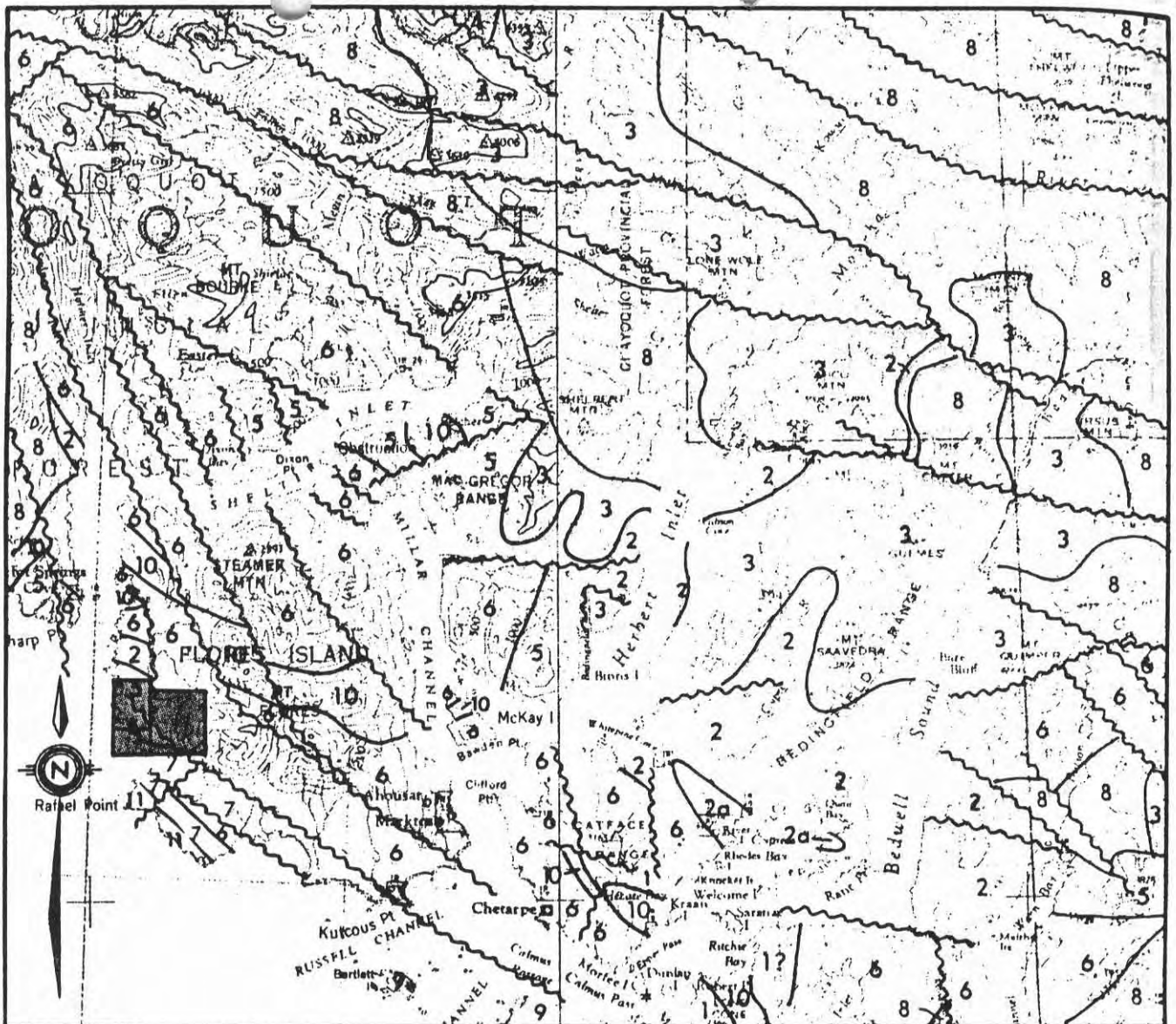
The Westcoast Complex consists of two units; an amphibolite unit consisting of metavolcanics and metasediments and a migmatite unit composed of quartz diorite and tonalite and migmatites (Muller et al., 1981).

The Bonanza Group consists of interbedded basaltic, rhyolitic and lesser andesitic and dacitic lava, tuff, breccia marine argillite and greywacke.

The Catface Intrusions consist of quartz diorite.

4.2 Structure

Structure in the Flores Island area is characterized by block faulting. Bonanza and Island Intrusion rocks are affected mainly by northerly and westerly trending faults. In the coastal areas, rocks are cut by predominantly northwesterly and, less importantly, northeasterly trending faults.



TERTIARY

Eocene and Oligocene

11 Hesquiat Fm.

Eocene

10 Catface Intrusions

JURASSIC AND CRETACEOUS

9 Pacific Rim Complex

JURASSIC

8 Island Intrusions

Lower Jurassic

7 Bonanza Gp.

PALEOZOIC AND MESOZOIC

Westcoast Complex

6 Westcoast Diorite

5 Westcoast Amphibolite

TRIASSIC

(Middle ? and) Upper Triassic
Vancouver Group

4 Quatsino Fm.

3 Karmutsen Fm.

PALEOZOIC

Sicker Group

2 Sediments

2a - diabase sills

1 Volcanics

References GSC OF 463; Paper 80-16

0 5 10 km

NTS 92 E/8

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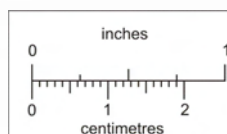
REGIONAL GEOLOGY MAP

**BLUE CHIP I & BLUE I CLAIMS
ALBERNI MINING DIVISION**

Project No: V311	By: B. T.
Scale: 1 : 250 000	Drawn: J. S.
Drawing No: FIG. 3	Date: MARCH 1990



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Steep faults may have vertical as well as transcurrent offsets that are difficult to determine due to lack of marker beds. However, faulting is shown to be widespread in the entire area based on supporting evidence of faulting in Tertiary sediments (Muller, et al, 1981). Young hydrothermal activity along structural trends is indicated by active hot springs, one at the southern end of Matilda Inlet (on a north trending structure), and the more well known one at Hot Springs Cove, northwest of Flores Island, also on a north trending structure.

4.3 Economic Setting

Contact metasomatic (skarn) deposits, veins and shear zones, and porphyry deposits constitute the major metalliferous deposits in the vicinity of Flores Island (Muller et al., 1981).

Iron and copper skarns are promising targets where Island Intrusions intrude Vancouver Group rocks or in the roof pendants of Sicker Group metasediments surrounded by Island Intrusions and Westcoast Complex rocks (figure 4). Two such properties exist locally, and have reported limited production. Thirty-two km to the northwest, the Glengarry, located at the head of Head Bay, milled 56,700 tonnes of ore which produced 22,680 tonnes of magnetite concentrate. Fifteen km to the northwest, the Indian Chief on Stewartson Inlet shipped 73,600 tonnes yielding 1,102,360 kg of Cu, 22,456 g of Au, and 1,707,400 g of Ag.

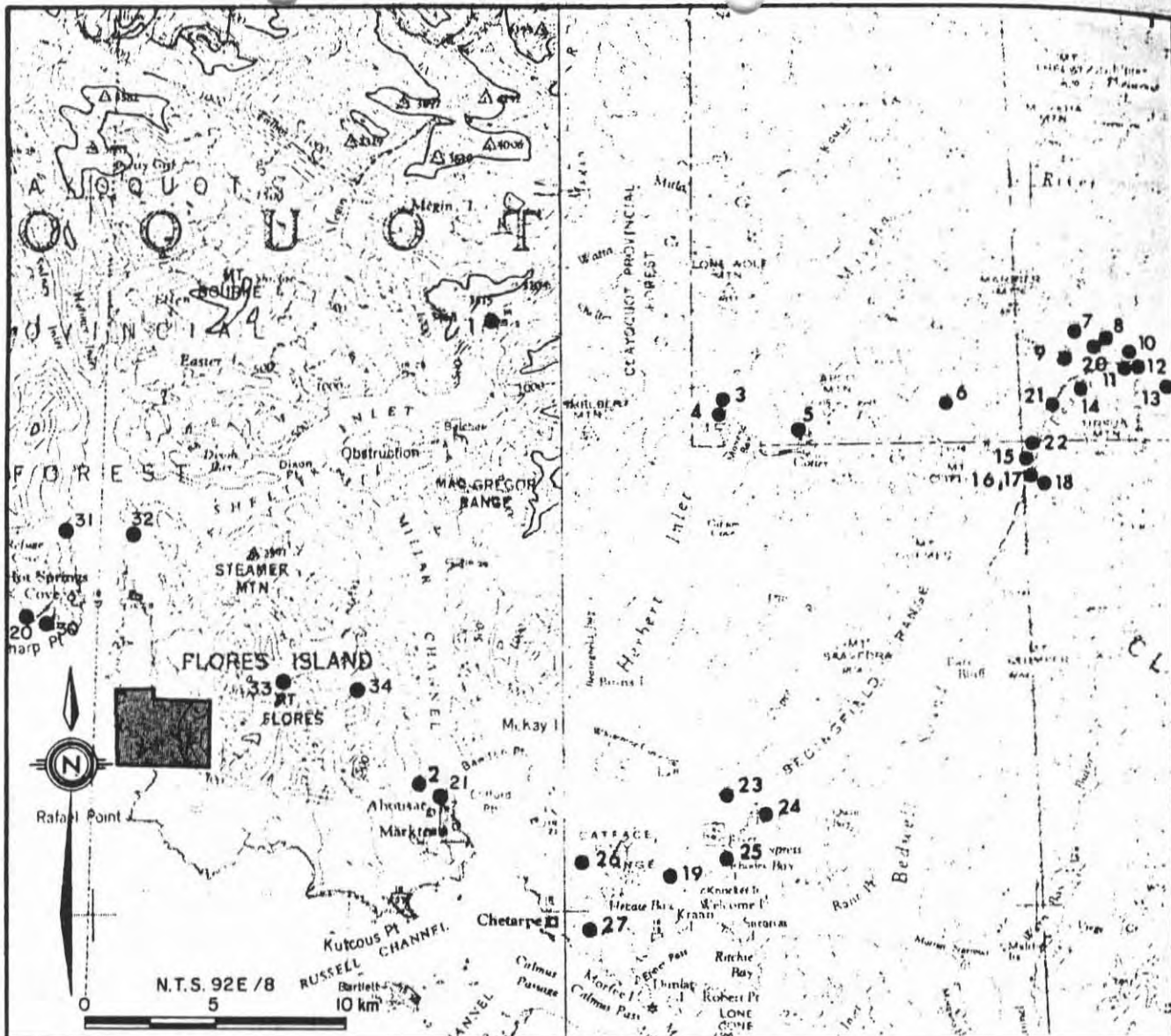
Tertiary pluton-associated copper and molybdenum occurrences on Flores Island contain lower copper and molybdenum concentrations, however, they do have many similarities to the Catface porphyry copper-molybdenum deposit 1 km to the east. Reserves of the Catface deposit are estimated at 181,440,000 tonnes of 0.5% Cu, molybdenum, gold and minor silver. A thorough description of mineral occurrences in the vicinity of Flores Island is provided in Hawkins (1987).

Fieldwork on the Blue Chip 1 and Blue 1 claims included geological mapping (1:5000); rock, silt and soil sampling; prospecting, trenching; magnetometer surveying and the establishment of 7.7 km of grid including 1.1 km of line-cutting.

5.0 1989 EXPLORATION PROGRAM

5.1 Property Geology

The northern and southern portions of the claims are underlain by granodiorite of the Westcoast Complex (figure 5). Between these two units is an east trending package of volcanoclastic and metasedimentary rocks, possibly correlative with the Bonanza Group.

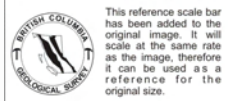
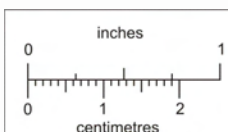


Precious Metal Occurrences

1	High Bay	Au
2	Contact	Au Ag Cu Pb Zn As
3	Big Bay	Au Ag Cu Pb
4	Moyeha, Tye	Au Ag
5	Abco Mine	Au Ag
6	Dawn	Au
7	Belvedere	Au Ag
8	OK	Au Ag
9	Noble	Au Ag
10	BB and M	Au
11	Joker	Au Ag?
12	Musketeer	Au Ag Zn Cu Pb
13	Buccaneer	Au Ag Cu Pb
14	Corona	Au
15	Avon	Au Cu Ag Pb Fe
16	Seattle	Au Cu Fe
17	Brooklyn	Au Pb
18	Prosper	Au Ag Cu Pb
19	Cyprus	Au Cu Mo
20	"K-18"	Au Cu
21	Gold	Showing

Other Occurrences

22	Dry Gulch	Mo	32	Bay	Cu Mo Ag
23	Empress	Cu		Tr Au	
24	Galena	Fe Cu	33	Flow	Cu
25	Cats - Eye	Cu	34	"JR"	Cu Mo
26	Bay Creek	Cu			
27	Good Hope	Cu Au Ag			
28	Irishman Ck.	Cu			
29	Catface	Cu Mo Au Ag			
30	"K-15"	Zn Ag			
31	Sydney	Cu Mo			



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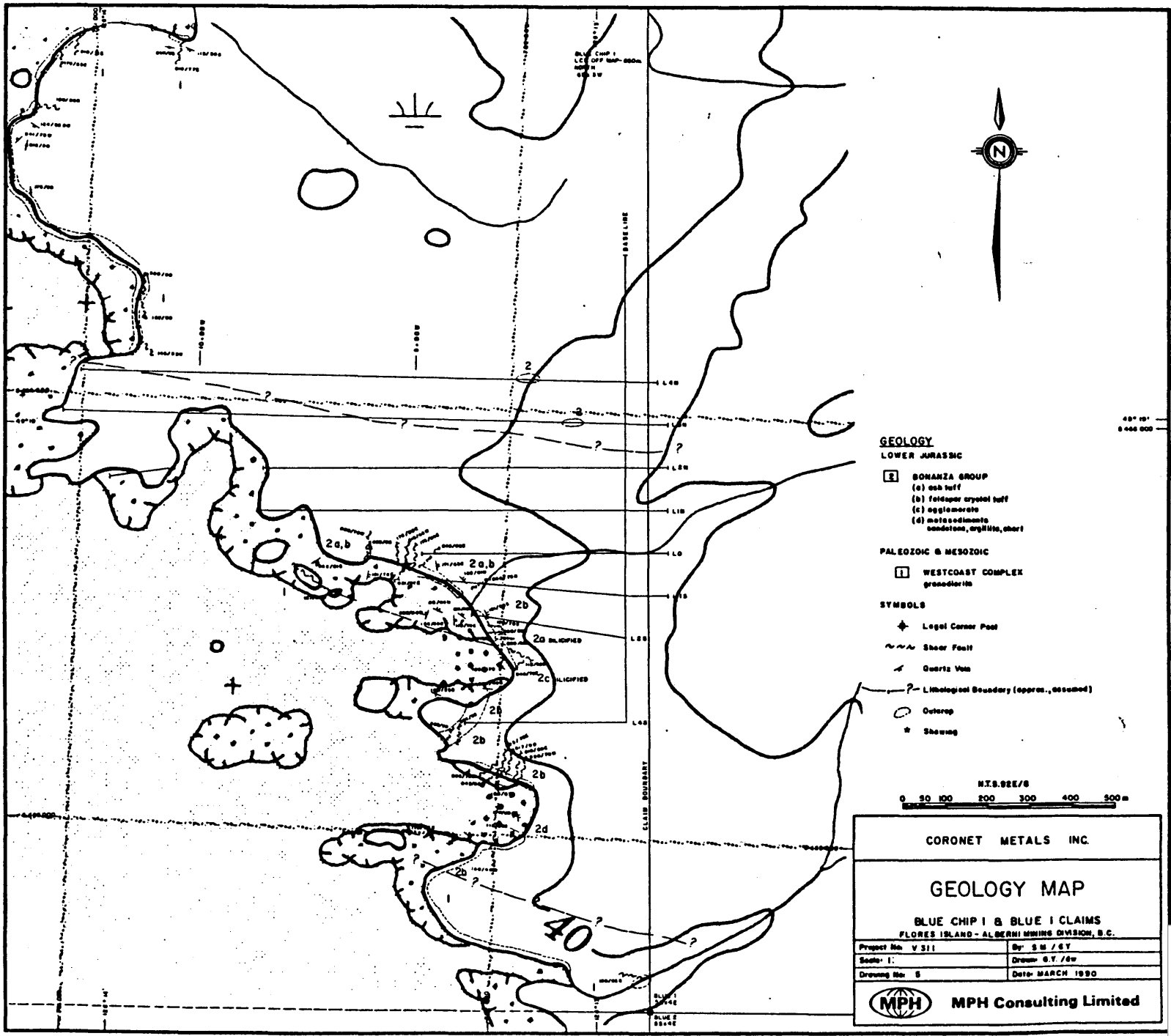
MINERAL OCCURRENCES
LOCATION MAP

BLUE CHIP I & BLUE I CLAIMS
ALBERNI MINING DIVISION

Project No. V 311	By: G. Y.
Scale: 1 : 250 000	Drawn: J. S.
Drawing No: FIG. 4	Date: MARCH 1990



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GEOLOGY

LOWER JURASSIC

- 2** BONANZA GROUP
 - (a) ash tuff
 - (b) feldspar crystal tuff
 - (c) agglomerate
 - (d) mafic sediments
sandstone, amphibole, chert

PALEOZOIC & MESOZOIC

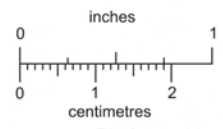
- 1** WESTCOAST COMPLEX
granodiorite

SYMBOLS

- ✦ Legal Corner Post
- ~ Shear Fault
- ↗ Quartz Vein
- ? Lithological Boundary (approx., assumed)
- Outcrop
- * Shewing



CORONET METALS INC.	
GEOLOGY MAP	
BLUE CHIP I & BLUE I CLAIMS FLORES ISLAND - ALBERNI MINING DIVISION, B.C.	
Project No: V 311	By: S.M./S.Y.
Scale: 1:	Drawn: G.Y./S.W.
Drawing No: 5	Date: MARCH 1990
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The granodiorite (Unit 1) is composed of anhedral mafic, feldspar and quartz grains.

The volcanoclastic and metasedimentary rocks (Unit 2) comprise very fine grained ash tuffs (Unit 2a), feldspar crystal tuffs (Unit 2b), agglomerates (Unit 2c) and metamorphosed sandstone, argillite and chert (Unit 2d).

5.2 Structure

Both the Westcoast Complex and the Bonanza Group are cut by numerous north-south trending shear zones. The shear zones reach widths of up to 25 cm with strikes varying from 136° to 190° and dips varying from 35° to 90° S to E. A fault approximately 1.5 m wide with a strike varying from 112° to 127° with a dip of 50°SW can be intermittently traced for approximately 500 m along the shoreline. The hanging wall is composed of very intensely silicified agglomerates. The footwall is composed of moderately to very intensely silicified and locally foliated feldspar crystal tuff. Bedding in argillites and sandstones varies from 094° to 123° with dips ranging from 25°S to 57°S.

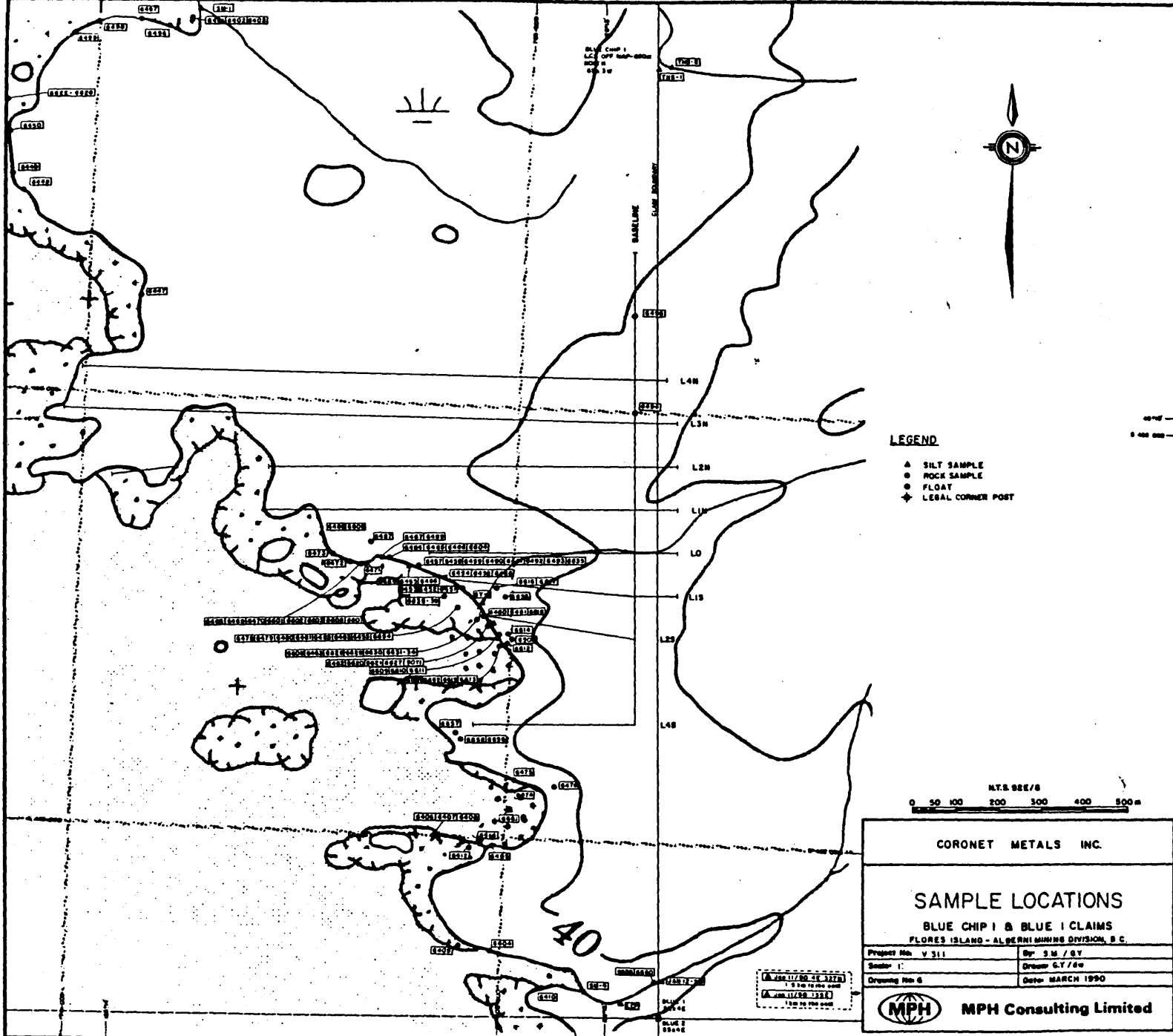
Regional mapping by Muller et al. (1981) has indicated the presence of a major north-south trending fault. This fault terminates at the junction with a northwest-southeast fault in the region of the east-central boundary between the Blue Chip 1 and Blue 1 claims. The region of the property is marked by a topographic depression and an east-west flowing creek.

5.3 Mineralization

A total of 118 rock samples was collected and analyzed for gold by AA and for 31 elements by ICP by Rossbacher Lab. Sample locations can be found in figure 6. Within the intrusive and volcanoclastic rocks are numerous shears which contain quartz veins, varying from 3 to 10 cm in width, striking 124° to 190° with dips varying from 44° to 90° E to S. Locally, quartz veins contain galena, sphalerite, chalcopryrite and pyrite in massive, semimassive and disseminated forms. Assays of up to 0.7 g/t Au, 603.4 g/t Ag, 4.92% Cu, 8.96% Pb and 19.9% Zn were returned from rock sampling. See page 11 for sample descriptions.

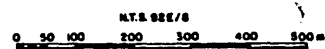
The "high grade" showing consists of a mineralized fault approximately 15 to 25 cm wide, with an orientation of 176/84E. The weathered surfaces are coated with malachite stains. Galena, sphalerite, and chalcopryrite occur as massive fracture fillings. Samples from this fault returned up to 603.4 g/t Ag, 4% Cu, 6.36% Pb and 19.9% Zn. See page 11 for sample descriptions. Samples 6457-59, 89-92 and 6607 were collected from the showing and the immediate vicinity.

Selected analytical results are summarized in Table 1.

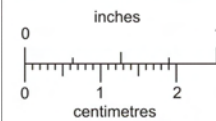


LEGEND

- ▲ SILT SAMPLE
- ROCK SAMPLE
- ◻ FLOAT
- ◆ LEGAL CORNER POST



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SAMPLE LOCATIONS	
BLUE CHIP I & BLUE I CLAIMS	
FLORES ISLAND - ALBERNI MINING DIVISION, B.C.	
Project No. V 311	By: S.M. / G.V.
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Drawing No. 6	Date: MARCH 1990
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TABLE 1

Sample	Description	Au ppb	Ag g/t	Cu %	Pb	Zn %
6448	Chip sample across 3-5 cm wide quartz vein containing 3% disseminated chalcopyrite, galena, sphalerite.	160	58.3 ppm	1.66	8.96%	7.88
6457	Chip sample across a 15-25 cm wide shear with 3-5% chalcopyrite, 1-3% sphalerite and 1% galena. High-grade showing.	5	301.7	4.00	0.79%	8.64
6464	Chip across a 10 cm wide sheared quartz vein with 3% chalcopyrite, sphalerite and galena. Sample is located 20 m NW of the showing.	90	136.5	1.98	2799 ppm	8.08
6468	Chip sample from a 5 cm wide quartz vein with 3% galena, 3% sphalerite, 2% chalcopyrite and 2% pyrite.	70	129.6	0.74	7.82%	11.32
6484	Chip sample from a 10 cm wide quartz vein with 10% galena and sphalerite and 3% chalcopyrite. Sample is approximately 100 m west of the high-grade showing.	30	312.0	4.92	5146 ppm	12.32
6601	Chip sample from a 4 cm wide quartz vein with 5-7% galena and sphalerite and 3% chalcopyrite. Sample is approximately 140 m west of the high-grade showing.	40	248.2	3.28	5.7%	18.70
6607	Chip across a 15 cm wide mineralized vein with 30% galena, 10% chalcopyrite and 10% sphalerite. Sample is from the high-grade showing.	20	603.4	3.78	6.36%	19.90
6633	Grab sample from a 3 cm quartz vein with host rock inclusions; 5% disseminated pyrite.	0.7 g/t	2 ppm	793 ppm	19 ppm	381 ppm

5.4 Soil Geochemistry

A total of 314 soil samples was collected and analyzed for gold by AA and 31 elements by ICP. Threshold values for gold, silver, copper, lead, zinc and arsenic were determined to be 10 ppb, 0.4 ppm, 22 ppm, 112 ppm, 63 ppm and 39 ppm respectively.



Copper soil geochemical concentrations range up to 162 ppm (figure 7). Six anomalies varying from 25 m to 125 m in width stretch from lines 4N and 3N to lines 3N and 1S.

Arsenic values returned a maximum of 1482 ppm (figure 7). Narrow north-south linear groupings of up to 571 ppm appear to be concentrated on lines 1N, 2N, 3N and 4N. These groupings vary from approximately 25 to 100 m in width and have lengths of up to 300 m. The maximum of 1482 ppm is a spot high located on Line 0, 0+00.

The anomalous gold soil geochemical results appear to be localized (figure 8). The highest value returned was 560 ppb. An arcuate and a weak linear trend have been outlined. The arcuate trend extends westward from approximately line 0, 0+75W to line 1N, 8+25W and to the north to line 3N. Gold values within this trend vary from 5 to 180 ppb. The linear trend begins at Line 1N, 8+00W and angles in a northeasterly direction for approximately 350 m.

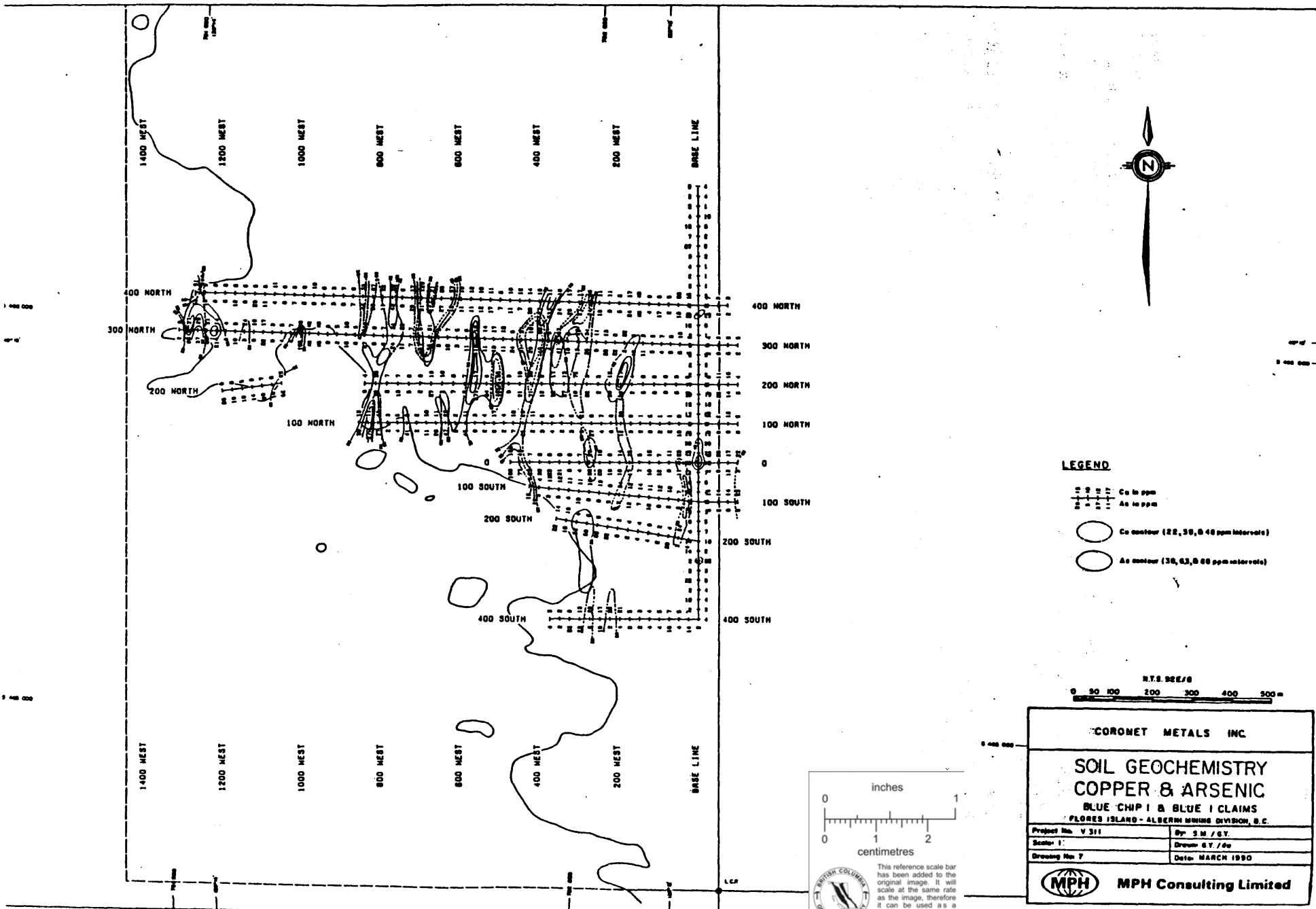
Silver soil geochemical results range up to 7.3 ppm (figure 8). The majority of the anomalous values, varying from 1.0 to 7.3 ppm, are grouped along line 1S from 3+50W to 1+00E. Localized anomalies occur on the west end of line 0, 4+50W and on line 1N, 3+00W and 4+00W with values reaching a maximum of 5.6 ppm.

Lead and zinc returned maximum values of 22,400 and 903 ppm respectively (figure 9). On lines 3N and 4N, 9+75W to 12+50W, linear trends varying from approximately 25 m to 75 m in width and having lengths greater than 100 m, have values are up to 184 ppm Zn and 475 ppm Pb. The lead high of 22,400 ppm is a spot value on the baseline at 4+25N. The zinc high of 903 ppm and arsenic high of 1482 ppm are located at Line 0, 0+00 in an area of coincident lead and zinc anomalies.

5.5 Magnetometer Survey

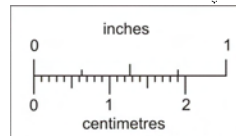
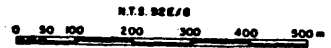
A test magnetometer survey was carried out on lines 4S, 2S, 1N, 2N and along 800 m of baseline. Measurements were taken at 25 m and 12.5 m intervals. The data was corrected for diurnal variations and reduced to a base level of 55000 nanoteslas (nT).

The survey defined five magnetic features (figure 10), four of which appear to be linear and trending north-south. Feature 1 is located on line 1N at 7+50W and on line 2N at 6+75W. This feature varies from approximately 12.5 m to 50 m in width with a peak value of 476.1 nT. Feature 2 is located on line 1N at 5+50W and on line 2N at 5+50W. The width varies from approximately 25 m to 40 m and has a maximum value of 202.5 nT. Feature 3



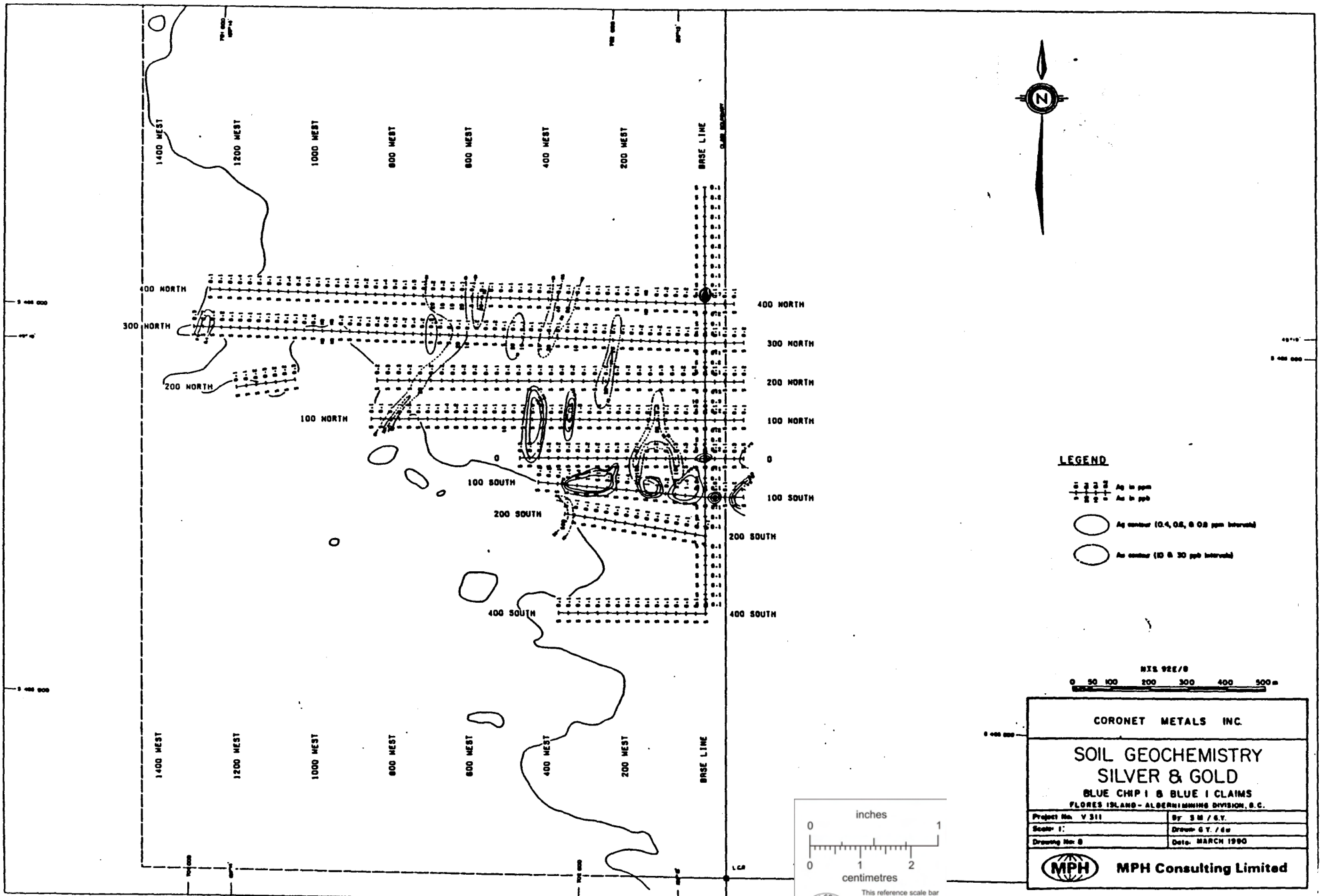
LEGEND

- Cu to ppm
- As to ppm
- Cu contour (22, 30, 40 ppm intervals)
- As contour (30, 45, 60 ppm intervals)



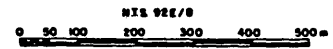
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COROMET METALS INC.	
SOIL GEOCHEMISTRY COPPER & ARSENIC	
BLUE CHIP I & BLUE I CLAIMS FLORES ISLAND - ALBERNI MINING DIVISION, B.C.	
Project No. V 311	By: S.M./G.V.
Scale: 1"	Drawn: G.T./de
Drawing No: 7	Date: MARCH 1990
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LEGEND

- Ag in ppm
- Au in ppb
- Ag contour (0.4, 0.8, & 0.8 ppm intervals)
- Au contour (10 & 30 ppb intervals)



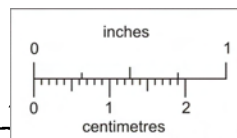
CORONET METALS INC.

**SOIL GEOCHEMISTRY
SILVER & GOLD**

BLUE CHIP I & BLUE I CLAIMS
FLORES ISLAND - ALBERNIMMING DIVISION, B.C.

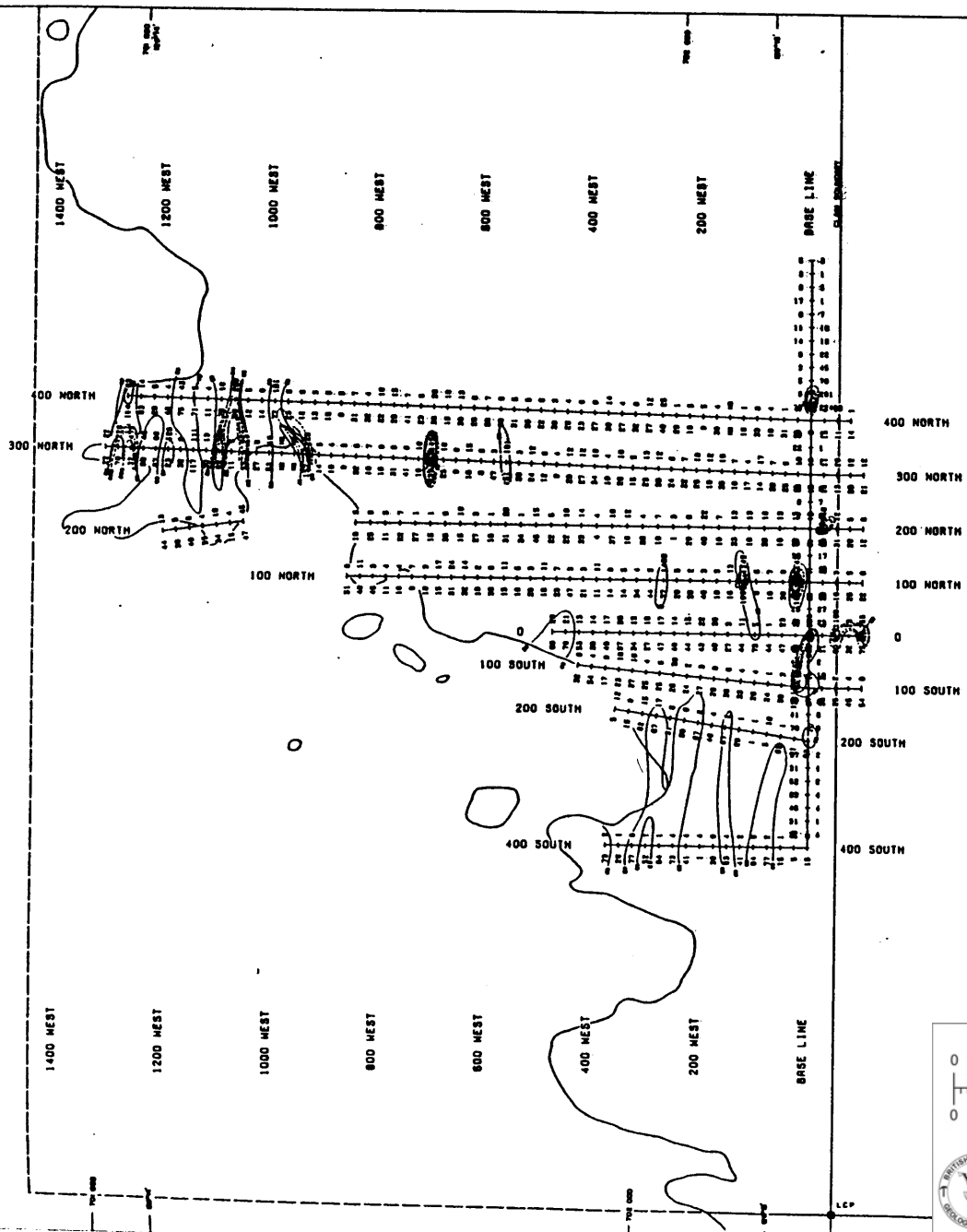
Project No. V 311	By S.M./G.V.
Scale: 1"	Drawn G.T./G.V.
Drawing No. 8	Date: MARCH 1990

MPH Consulting Limited



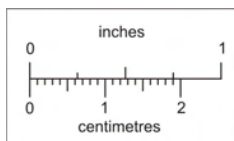
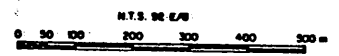
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LEGEND

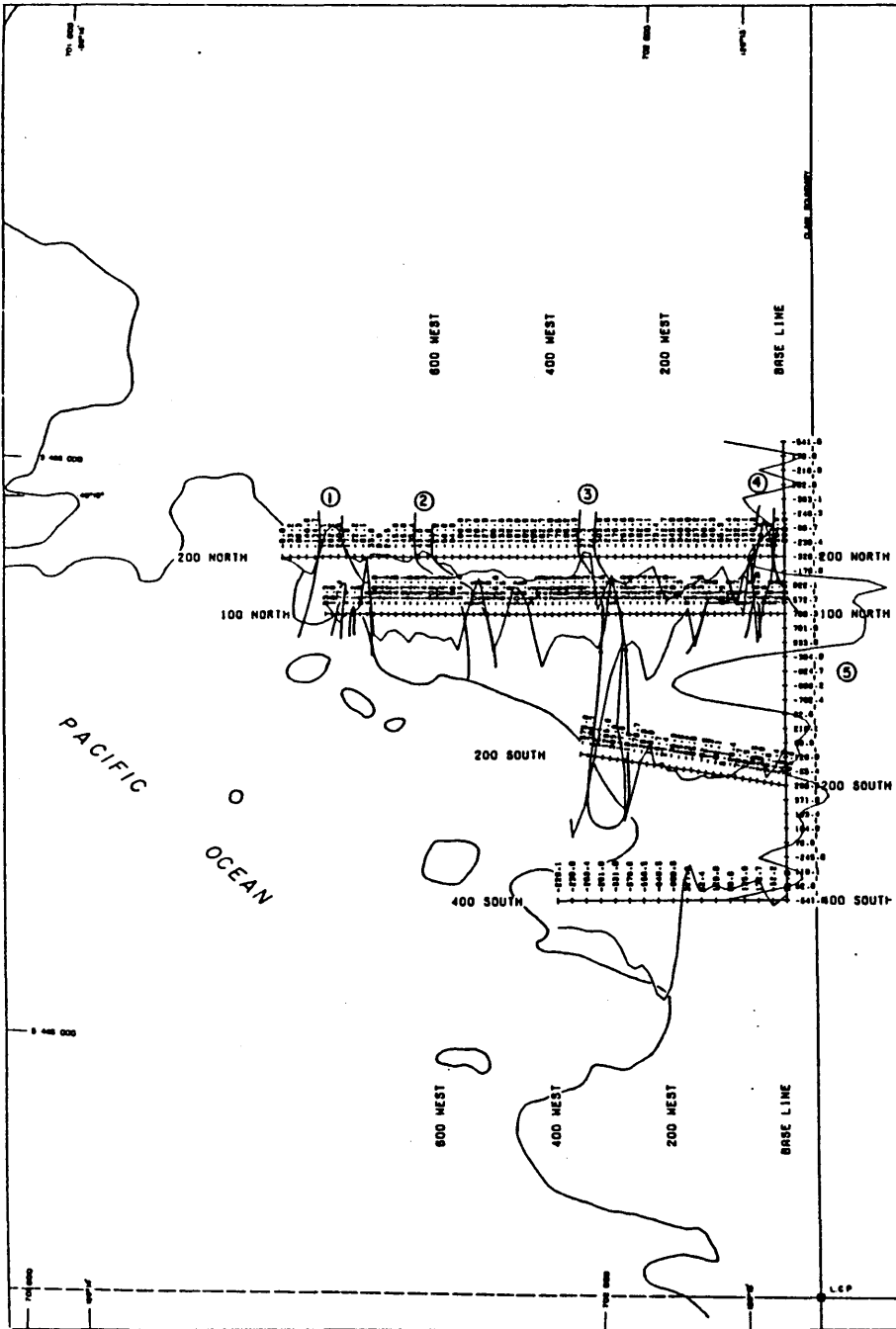
- Pb in ppm
- Zn in ppm
- Pb contour (10, 20, & 30 ppm intervals)
- Zn contour (10, 15, & 20 ppm intervals)



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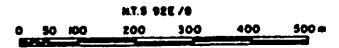
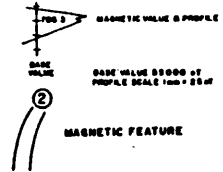


CORONET METALS INC.	
SOIL GEOCHEMISTRY LEAD & ZINC	
BLUE CHIP I & BLUE I CLAIMS FLORES ISLANDS - ALBERTA MINING DIVISION, S.C.	
Project No. V 311	Dr. S.M./G.V.
Scale: 1	Drawn S.V./do
Drawing No. 9	Date: MARCH 1990
MPH Consulting Limited	

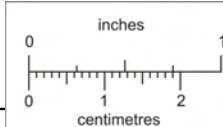


LEGEND

INSTRUMENT: Omni magnetometer / VLF Console & Base Station



CORONET METALS INC.	
TOTAL FIELD MAGNETICS	
BLUE CHIP I & BLUE I CLAIMS FLORES ISLAND - ALBERNI MINES DIVISION, B.C.	
Project No. V 311	By: S M / S T
Scale: 1	Drawn: G T / d w
Drawing No. 10	Date: MARCH 1990
MPH Consulting Limited	



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is located on line 2N at 3+00W, line 1N at 3+00W and line 2S at 3+00W. The width varies from approximately 25 m to 50 m. The feature is approximately 450 m long with a maximum value of 1285.9 nT. Feature 4 is located on line 1N between 0+00 and 2+00W and line 2N at approximately 0+50W with a maximum value of 751.0 nT. Feature 5 is a magnetic low of -988.2 nT with a corresponding high to the north of 922.1 nT. The width of the feature varies from 100 to 150 m.

5.6 Trenching

Two blast pits were used to follow up anomalous gold and arsenic soil geochemical results. A pit at line 2S, 3+50W, at the site of a soil geochemical value of 560 ppb Au exposed an outcropping of very intensely silicified, light grey ash tuff(?) which returned no significant geochemical results.

The second pit, at line 0, 1+75W, the site of a soil geochemical value of 90 ppb Au, failed to reach bedrock. Overburden at this site was found to be greater than 1 m deep. A check soil sample from the bottom of this pit returned 150 ppb Au.

5.7 Discussion

The arcuate shape of the gold soil geochemistry anomaly may define the contact between the volcanoclastic/metasedimentary rocks and the intrusive rocks.

Three broad linear zones are defined by anomalous copper, arsenic, lead and locally gold and silver soil geochemistry (figure 11). These zones vary from 200 to 300 m in width and are up to approximately 500 m in length.

Magnetic features 1, 2 and 3 occur within these geochemically anomalous zones. At the southern terminus of two of these zones on the shoreline are numerous quartz veins in shear zones, some of which have returned highly anomalous values of silver, lead, copper, zinc and locally, gold.

Feature 5 has been interpreted as a possible fault contact between volcanoclastic/metasedimentary rocks and an intrusive plug or dyke. This area is marked by a topographic depression occupied by an east to west flowing creek. Feature 5 is located in the area of the east-west trending fault mapped by government geologists. The fault contact is flanked to the south by a series of silver soil geochemistry anomalies with spot anomalies of gold, arsenic, zinc and lead.

5.8 Stream Sediment Survey

A total of 11 stream sediment samples was collected from streams draining the property. These were concentrated by heavy liquids, then analyzed

49° 10'
114° 00'



GEOLOGY

LOWER JURASSIC

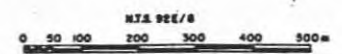
- 2 BONANZA GROUP
 - (a) ash tuff
 - (b) feldspar crystal tuff
 - (c) agglomerate
 - (d) meta-sediments
 - (e) sandstone, argillite, chert

PALEOZOIC & MESOZOIC

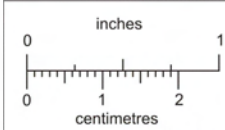
- 1 WESTCOAST COMPLEX
 - gneiss/diorite

SYMBOLS

- ◆ Legal Corner Post
- Rock Sample
- ▲ Soil Sample
- Lithological Boundary (approx., assumed)
- Area of Coexistent Soil Geochemistry (Cu-Ag-Au-Ag)
- ▨ Megachert Feature



CORONET METALS INC.	
COMPILATION MAP WITH SELECTED RESULTS	
BLUE CHIP I & BLUE I CLAIMS FLORES ISLAND - ALBERNI MINING DIVISION, B.C.	
Project No. V 311	By S.M./G.Y.
Scale: 1:	Drawn: G.Y./de
Drawing No. 11	Date: MARCH 1990



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for Au by AA, and 31 other elements by ICP methods by Rossbacher Lab. Analytical results are generally low with the exception of two samples; LCP and 90Y1 which returned 880 and 140 ppb Au respectively. Sample 90Y1 was collected from a creek draining in the area of a soil sample which returned 560 ppb Au. The anomalous sample 90Y1 may be an indication of mineralization located in the vicinity of the mapped fault structure. Sample LCP was collected from a creek drainage across the southern boundary of the property. The gold present in sample LCP is possibly derived from skarn mineralization. The contact between the intrusive and metasedimentary /volcaniclastic rocks has not been mapped but is assumed to be immediately to the north.

6.0 PROPOSED WORK PROGRAM

6.1 Plan

A two-phase program to follow up the encouraging results of the 1989 reconnaissance work is proposed. Phase I is to include additional geological, geochemical and geophysical work to develop targets for Phase II diamond drill testing.

Phase I geological mapping, prospecting and rock sampling will be carried out along the shoreline in those areas not previously examined. The grid will be extended to the north and east at line spacings of 100 m. Soil sampling at 25 m intervals along the grid extensions and magnetometer surveying at 12.5 m intervals along the grid extensions as well as those lines of the existing grid not previously covered, will be carried out. Selective linecutting will be carried out in order to facilitate access along the grid lines. Hand trenching is to be carried out in the area of soil geochemical and/or magnetic anomalies in an effort to determine their cause.

If warranted by the results of Phase I exploration, Phase II is to comprise diamond drill testing of the highest priority targets delineated by Phase I.

6.2 Proposed Budget

Phase I

Personnel	\$42,400
Room and Board	8,385
Equipment Rental	3,820
Analyses	19,561
Air Support	3,700
Miscellaneous	2,120
Report Costs	2,750
Administration	4,220
Contingency	<u>13,043</u>

Total, say \$100,000



Phase II

Diamond drilling,
approximately 1300 m @ \$192/m, all-inclusive
Total, say \$250,000

7.0 CONCLUSIONS

1. The Blue Chip 1 and Blue 1 claims are underlain by Bonanza Group volcaniclastic/metasedimentary rocks and intruded by granodioritic rocks of the Westcoast Complex.
2. Silver, copper, lead and zinc mineralization is contained in quartz veins in shear zones that trend in a north-south direction.
3. The "high grade" showing is a mineralized shear zone striking in a north-south direction.
4. The soil geochemical survey has defined two zones of anomalous copper, arsenic, lead, silver, and gold values which are orientated in a north-south direction.
5. The magnetometer survey has defined five magnetic features. Three of these magnetic features are coincident with soil geochemical anomalies. Rocks with anomalous copper, lead, zinc, silver, and locally gold values are found on the shoreline immediately south of these features.

8.0 RECOMMENDATIONS

1. Continuation of prospecting and geological mapping of the shoreline to the north is recommended, in an attempt to locate the contact between the volcaniclastic/metasedimentary and the intrusive rocks and possible skarn type mineralization.
2. Extension of the grid to the east and to the north, with corresponding soil sampling, is recommended.
3. A magnetometer survey should be carried out over gridlines which have not been surveyed.
4. Hand trenching of soil geochemical anomalies and/or magnetic features is recommended.
5. Investigation of anomalous gold values from silts is recommended to determine the cause of the anomalous values.
6. Establishment of a system of cut lines would provide better access to various regions of the property.



APPENDIX II

Rock Sample Descriptions with Selected Results



ROCK SAMPLE DESCRIPTIONS

Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6401	Quartz vein. This sample is composed of vein material; mostly quartz, and appears to have altered to epidote(?) along the fractures. Dark crystals (amphibole) also appear along the margins of some fractures. Trace amounts of pyrite were recorded in the field. The orientation of the vein is 130/12°S.	20	0.1	20	24	41	As 27
6402	Mafic crystal tuff. This sample is a mafic crystal tuff from the hanging wall of sample 6401. It contains 60% feldspar fragments and large amounts of pyroxene fragments. Pyrite appears along fractures and as disseminations.	5	0.1	107	68	110	As 36
6403	Feldspar crystal tuff. This sample is a crystal tuff from the footwall of sample 6401. It is composed of a dark matrix with feldspar crystals. A small amount of mineralization was noted in the field.	5	0.1	96	34	104	As 49
6404	Quartz vein. This sample was taken from a quartz filled shear zone which has an orientation of 148°/90. The sample consists mostly of quartz with small clasts of sheared wall rock. Pyrite appears to be disseminated and in stringers.	5	0.1	10	1	42	As 2051
6405	Ash tuff. This sample is composed of cherty volcanic material and has pyrite mineralization along fractures and as fine disseminations.	5	0.1	32	33	647	As 72
6406	Quartz vein. This sample is taken from a quartz vein orientated at 110/55° N. Within the vein, chlorite, pyrite (possibly chalcopyrite) and fragments of wall rock were observed.	5	0.1	9	1	1	As 2
6407	Intrusive(?). This is from the hanging wall of sample 6406, and appears to be a highly altered and silicified intrusive.	5	0.1	36	12	65	As 15
6408	Intrusive(?). This is the footwall of sample 6406. The sample is a highly altered and silicified intrusive.	5	0.1	34	15	67	As 12



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6409	Intrusive(?). This sample appears to be a very highly altered intrusive(?) with arsenopyrite(?).	5	0.1	36	7	88	As 37
6410	Intrusive(?). This is a highly silicified intrusive, which contains disseminated sulphides.	5	0.1	56	23	53	As 629
6411	Ash tuff. This sample is an intensely silicified volcanic which is highly fractured. Sample contains chalcopyrite.	5	0.1	53	31	205	As 66
6412	Ash tuff. This sample is an intensely silicified volcanic containing pyrite and chalcopyrite.	5	0.1	24	32	246	As 44
6447	Quartz vein. Chip from 10-20 cm wide, grey-white, massive quartz vein with an orientation of 360/90° in diorite. 3% disseminated sphalerite, 3% disseminated galena and 1% disseminated chalcopyrite and sphalerite.	10	22.8	3396	2.36%	5.12%	As 104
6448	Quartz vein. Chip from 3-5 cm wide, grey-white, massive quartz vein with an orientation of 175/90° in diorite. 3% disseminated chalcopyrite galena and sphalerite.	160	58.3	1.66%	8.96%	7.88%	As 1911,
6449	Quartz vein. Chip sample from a 3-10 cm wide, grey-white, massive quartz vein with an orientation of 012/90°. 3% disseminated galena, 1% disseminated chalcopyrite and sphalerite.	5	16.5	1.37%	2417	4.30%	
6450	Quartz vein. Grab from a 50 cm wide, grey-white quartz vein with an orientation of 124/62°SW in diorite. Trace disseminated pyrite.	5	1.2	162	295	501	
6451	Quartz vein. Chip sample across a 5 cm wide quartz vein with an orientation of 136/61°N in feldspar crystal tuff. Massive off-white quartz vein with green elongate inclusions of host rock(?), 2% crystalline pyrite (<1.0 mm) occurs in seams (1-3 mm wide) parallel with the vein.	20	1.1	1086	24	91	As 333



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6452	Feldspar crystal tuff. Grab sample from the hanging wall of sample 6451. Light grey-green feldspar crystal tuff. Off-white feldspar fragments range from ≤ 1 mm to 3 mm and vary from angular to subrounded within a fine-grained green matrix. Sample is intensely silicified and contains no visible mineralization.	5	0.1	14	9	98	As 20
6453	Ash tuff. Grab sample from footwall of sample 6451. Light grey-green, very fine-grained tuff with sparse dark green mafic crystal fragments (≤ 1.0 mm) and feldspar fragments ranging from ≤ 1.0 mm to 2 mm. No visible mineralization.	5	0.1	13	9	108	As 19
6454	Quartz vein. Chip sample from a 3 cm wide quartz vein, with an orientation of 171/63°E. Massive off-white quartz vein with 1% disseminated galena, 1% disseminated chalcopryrite and trace pyrite. Weathered surfaces are locally stained with malachite.	40	37.5	2010	0.7%	0.62%	As 307
6455	Ash tuff. Grab from hanging wall of sample 6454. Light-medium green, very fine-grained tuff with sporadic dark green mafic fragments (≤ 1.0 mm). Sample is silicified and contains no visible mineralization.	5	1.8	92	438	1754	As 148
6456	Ash tuff. Grab from footwall of sample 6454. Light green, very fine-grained, silicified ash tuff with trace disseminated chalcopryrite throughout.	10	4.0	264	1049	680	As 254
6457	Ash tuff. Chip sample from a mineralized shear (15-25 cm wide) with an orientation of 176/84E. Host rock appears to be a light green mafic tuff. 3-5% chalcopryrite, 1-3% sphalerite, and 1% galena as fracture fill.	5	301.7 g/t	4%	0.79%	8.64%	As 452, W 118
6458	Ash tuff. Chip from hanging wall of sample 6457. Medium grey-green, very fine-grained ash tuff with 1-2% disseminated chalcopryrite, galena and sphalerite.	5	4.8	1522	482	0.73%	As 198
6459	Feldspar crystal tuff. Chip from footwall of sample 6457. Medium to light green feldspar crystal tuff. Off-yellow subangular-subrounded feldspar fragments ≤ 2.0 mm in a very fine-grained, green matrix. No visible mineralization.	5	0.7	278	115	4324	As 46



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6460	Quartz vein. Chip sample across 5 cm wide quartz vein with an orientation of 161/56°E. Massive greenish white quartz vein with trace to 1% disseminated pyrite.	60	1.1	400	47	3268	As 1696
6461	Feldspar crystal tuff. Chip sample from the footwall of sample 6460. Light to medium green feldspar crystal tuff. Feldspar crystal fragments are yellow-green, range from <1 mm to 2 mm and are generally altered to epidote. Matrix is medium green in colour and silicified. Trace-1% disseminated pyrite throughout.	5	0.6	64	102	969	As 134
6462	Tuff(?). Chip sample from outcrop. Light to medium green, altered tuff(?). Very intensely silicified with little of original textures remaining. 1-3% crystalline pyrite cubes <1.5 mm scattered throughout.	5	0.1	8	3	101	As 50
6463	Quartz bleb. Grab of a 5 cm diameter quartz bleb. Massive, milky white quartz bleb with streaks of green. 1-2% disseminated pyrite, 1% disseminated chalcopyrite and trace-1% disseminated galena and sphalerite.	30	7.6	1215	1284	0.74%	As 814
6464	Sheared quartz vein. Chip sample across a 10 cm wide sheared quartz vein with an orientation of 010/66°W. Granular, whitish green, sheared quartz vein. 3% massive chalcopyrite, galena and sphalerite.	90	136.5 g/t	1.98%	2799	8.08%	As 2316, W 69
6465	Feldspar crystal tuff. Grab sample from hanging wall of sample 6464. Medium green feldspar crystal tuff. Subangular feldspar fragments <1.5 mm in a silicified, very fine-grained matrix. No visible mineralization.	5	1.5	267	84	1397	As 66
6466	Ash tuff. Grab sample from footwall of sample 6464. Medium green, very fine-grained ash tuff. Sample is intensely silicified with no visible mineralization.	5	1.0	241	72	198	As 53
6467	Ash tuff. Grab sample from outcrop. Medium green, very fine-grained ash tuff. Sample is very intensely silicified with trace to 1% disseminated pyrite.	5	0.1	15	39	246	As 10



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6468	Quartz vein. Chip sample across 5 cm quartz vein with an orientation of 009/76W. Massive, white quartz vein, with galena (3%), chalcopyrite (2%) and sphalerite (2%).	70	129.6 g/t	0.74%	7.82%	11.32%	As 488, W 217
6469	Ash tuff(?). Grab sample from footwall of sample 6468. Grey-white altered ash tuff(?). Sample is very intensely silicified with no original textures remaining. 1-2% disseminated pyrite throughout.	5	0.5	70	583	1277	As 84
6470	Tuff. Grab sample from hanging wall of sample 6468. Medium green, altered feldspar crystal tuff. Yellow-white, subangular feldspar fragments (<1.5 mm) are altered to epidote in a very fine-grained, green, intensely silicified matrix. Trace finely disseminated pyrite.	50	1.0	203	385	553	As 237
6471	Quartz vein in tuff. Grab sample of a 3 cm wide quartz vein in a tuff with an orientation of 003/90°. Massive white quartz vein in a medium green, very intensely silicified tuff. With 1-3% disseminated pyrite and trace-1% galena.	5	0.6	70	1644	2970	1042
6472	Mafic crystal tuff. Chip sample of medium green mafic crystal tuff with dark green mafic crystal fragments (<1.0 mm) in a very fine-grained silicified matrix. Trace-1% finely disseminated pyrite.	5	0.2	61	112	263	As 148
6473	Mafic tuff. Grab sample from a pod of mineralized mafic tuff. Medium green mafic crystal tuff. Dark green subangular-subrounded mafic crystal fragments (<1.0 mm) in a fine-grained silicified matrix. 3-5% cubic pyrite (<2.0 mm) throughout.	5	0.1	8	19	124	As 25
6474	Feldspar crystal tuff. Grab from outcrop. Grey-green, intensely silicified feldspar crystal tuff. 5% subangular to subrounded, white, feldspar crystal fragments. No visible mineralization.	5	0.1	53	41	102	
6475	Feldspar crystal tuff. Grab from outcrop. Medium grey silicified, feldspar crystal tuff. 3% subangular, whitish yellow feldspar crystal fragments. Trace of disseminated pyrite.	5	0.1	29	31	141	



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6476	Ash tuff(?). Grab from outcrop. Light grey, very fine-grained ash tuff. Very intensely silicified with no original textures visible. No visible mineralization.	5	0.1	6	40	88	
6477	Ash tuff(?). Grab from outcrop. Light grey-green, very fine-grained ash tuff. Very intensely silicified, with localized patches (<3 mm) of epidote. No visible mineralization.	60	0.1	51	25	103	As 911
6478	Mafic crystal tuff(?). Chip sample over 1 m. Grey-black, altered mafic crystal tuff. 3% subangular mafic crystal fragments. Sample is intensely silicified and contains 1-2% fine, disseminated pyrite.	20	0.4	12	71	70	As 114
6479	Quartz vein. Grab from 5 to 7 cm wide quartz vein with an orientation of 152/68°E. Massive, milky white quartz vein with trace pyrite.	5	1.8	635	76	5639	
6480	Feldspar crystal tuff. Grab from the hanging wall of sample 6479. Medium grey, intensely silicified, feldspar crystal tuff. 5% yellow-white, angular to rounded feldspar crystal fragments (<3 mm) and 1% subrounded mafic crystal fragments (<2 mm). Locally, feldspar is altered to epidote. Trace very finely disseminated pyrite.	5	1.0	90	127	1112	
6481	Mafic-feldspar crystal tuff. Grab from footwall of sample 6479. Medium grey-black, silicified mafic-feldspar crystal tuff. 3% subangular to subrounded feldspar crystal fragments (<2 mm) and 1-2% subrounded mafic crystal fragments (<1 mm). No visible mineralization.	5	0.5	90	272	716	
6482	Quartz vein. Chip sample over 10 cm. Off-white massive, 10 cm wide quartz vein with an orientation of 178/78°E in feldspar crystal tuff. Fractures (<1 mm) are locally filled with epidote and 1% disseminated pyrite.	5	31.5 g/t	1839	3040	9873	
6483	Quartz pod. Grab from a pod of quartz 10 cm x 3 cm in feldspar crystal tuff. Massive milky white quartz. Trace of very finely disseminated pyrite.	5	47.3 g/t	574	4766	5878	



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6484	Quartz vein. 10 cm chip sample from a quartz vein with an orientation of 191/72°E. 10% galena and sphalerite and 3% chalcopyrite.	30	312 g/t	4.92%	5146	12.32%	As 675
6485	Feldspar crystal tuff. Grab from hanging wall of sample 6484. Medium grey, very intensely silicified feldspar crystal tuff. 3% angular to subrounded feldspar crystal fragments (<2 mm) in a very fine-grained to massive matrix. Trace disseminated pyrite.	5	10.6	659	146	3492	
6486	Feldspar mafic crystal tuff. Grab sample from footwall of sample 6484. Dark grey, feldspar-mafic crystal tuff with 3% subangular mafic and feldspar crystal fragments (<2 mm). Sample is very intensely silicified.	30	0.9	110	25	584	As 188
6487	Ash tuff. Grab from outcrop. Light to medium grey, very fine-grained, intensely silicified ash tuff. Trace finely disseminated pyrite.	5	0.4	52	10	259	
6488	Feldspar crystal tuff. Grab from outcrop. Medium green-grey, silicified, feldspar crystal tuff. With 5% angular to subrounded feldspar(?) fragments (<5 mm) which have been altered to epidote. Matrix is very fine-grained to massive. No visible mineralization.	5	0.2	18	6	101	
6489	Ash tuff(?). Grab from outcrop. Dark grey, very intensely silicified ash tuff. Trace finely disseminated pyrite.	5	0.1	22	23	85	
6490	Ash tuff(?). Grab from 2 m wide shear with an orientation of 031/57°E. Light grey, very intensely silicified ash tuff. Localized patches of quartz (≈1 cm) within the fractures are epidote and trace pyrite.	30	2.6	1330	252	1.4%	As 665
6491	Ash tuff. Grab from footwall of a 2 m wide fault/shear with an orientation of 031/57°E. Medium grey-green, very fine-grained, intensely silicified, ash tuff. No visible mineralization.	5	0.2	21	12	240	As 173
6492	Ash tuff(?). Grab from 2 m wide shear with an orientation of 031/57°E. Medium to dark grey, intensely silicified ash tuff. Fractures vary from <1 to 3 mm and are locally filled with epidote and trace disseminated pyrite.	10	2.8	129	604	870	



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6493	Feldspar-mafic crystal tuff. Grab from outcrop. Dark grey, intensely silicified feldspar-mafic crystal tuff. 5% grey-white subangular feldspar crystal fragments (≤ 3 mm) and 2% black subangular mafic crystal fragments (< 1 mm). Trace-1% disseminated pyrite as fracture fill.	5	12.6	9547	84	1.17%	
6494	Granodiorite(?). Float. Dark grey-black granodiorite(?). 30% anhedral mafic crystals (≤ 3 mm) and 70% anhedral quartz and feldspar crystals. Trace finely disseminated pyrite.	5	0.2	467	2	371	
6495	Mafic tuff(?). Float. Dark blue-grey, intensely silicified ash tuff with trace finely disseminated pyrite.	5	0.1	153	1	126	
6496	Granodiorite. Grab from outcrop. Dark grey-black, very intensely silicified granodiorite. 40% black anhedral mafic crystals (< 1 mm), 30% anhedral grey-white quartz crystals (< 3 mm) and 30% white anhedral feldspar crystals (≤ 3 mm), trace-1% disseminated pyrite.	5	0.1	117	1	53	
6497	Granodiorite. Grab from outcrop. Medium to dark grey granodiorite. 40% black anhedral mafic crystals (≤ 5 mm), 40% grey-white anhedral feldspar crystals (≤ 5 mm) and 20% anhedral, off-white quartz crystals. Trace-1% disseminated chalcopyrite.	5	0.1	67	1	60	
6498	Quartz diorite(?). Grab from outcrop. Medium grey-white granodiorite. With 30% black anhedral mafic crystals (≤ 3 mm), 50% anhedral grey-white crystals (≤ 5 mm) and 20% anhedral white quartz crystals (≤ 2 mm). 1% disseminated pyrite.	5	0.1	65	4	24	
6499	Diorite. Grab from outcrop. Black and white diorite. 50% black anhedral crystals (≤ 3 mm) and 40% anhedral, grey-white feldspar crystals (≤ 5 mm) and 10% grey anhedral quartz crystals (≤ 2 mm).	5	0.1	131	2	45	
6500	Ash tuff(?). Grab from outcrop. Dark brown, very intensely silicified ash tuff(?). Patches of quartz(?) ≤ 2 mm. No visible mineralization.	5	0.1	8	1	32	



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6601	Quartz vein. Chip from 4 cm wide quartz vein from a shear with an orientation of 178/50°E. Sample is massive, milky white with 3 mm patches of epidote. 5-7% galena and 3% chalcopyrite.	40	248.2 g/t	3.28%	5.7%	18.7%	As 671, Mo 24
6602	Ash tuff. Grab from outcrop. Dark green, intensely silicified ash tuff. 1% subrounded to subangular feldspar crystal fragments (<2 mm) altered to epidote. No visible mineralization.	5	2.5	374	683	2652	As 115
6603	Ash tuff. Grab from footwall of sample 6601. Medium green, silicified, very fine-grained ash tuff. Subrounded feldspar crystal fragments (<2 mm) altered to epidote. No visible mineralization. Sample appears to be contaminated by the mentioned quartz vein.	10	233.1 g/t	25652	>3%	>15%	As 132
6605	Ash tuff. Grab from outcrop. Medium grey-green, silicified ash tuff. Sample is cut by subparallel yellow-white quartz veins (3-5 mm), 3% disseminated pyrite is associated with the quartz veins.	10	0.8	259	112	618	As 390
6606	Mafic crystal tuff(?). Grab from foliated outcrop with an orientation of 127/50°W. Dark brown mafic crystal tuff. 3-5% angular to subrounded, black mafic crystal fragments (<3 mm) in a massive, dark brown matrix. 1-2% disseminated pyrite.	5	0.2	19	16	386	
6607	Quartz vein. Chip of a 5 cm wide quartz vein with 3-7% galena, 3% chalcopyrite and 3% sphalerite.	20	603.4 g/t	3.78%	6.36%	19.9%	Mo 22, As 295
6608	Ash tuff(?). Grab from outcrop. Medium brown, very intensely silicified, ash tuff. No original textures remaining.	5	3.6	398	578	2292	
6610	Ash tuff(?). Grab from outcrop. Light brown, very intensely silicified ash tuff(?). No original textures visible.	5	0.1	41	11	210	
6611	Ash tuff(?). Grab from outcrop. Yellow-brown, very intensely silicified ash tuff(?). No original textures visible. Trace finely disseminated pyrite.	5	0.1	22	8	158	As 116



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6612	Ash tuff. Grab from outcrop. Light grey, very intensely silicified ash tuff. 2% dark-grey, subrounded to angular mafic(?) crystal fragments. Trace very finely disseminated pyrite.	5	0.1	21	1	208	As 1592
6613	Ash tuff(?). Grab from outcrop. Maroon, very fine-grained, intensely silicified ash tuff. Sample appears to be foliated. Trace finely disseminated pyrite.	5	0.1	15	1	95	
6614	Ash tuff. Grab from outcrop. Light grey, very fine-grained ash tuff with parallel hairline fractures and 3% porphyroblasts of a brown mineral (garnet?). No visible mineralization.	5	0.1	48	9	44	
6615	Quartz vein(?). Grab from outcrop. Brecciated, yellow-white quartz vein. White and yellow-white angular quartz fragments (<5 mm). No visible mineralization.	5	0.1	16	1409	131	
6616	Ash tuff(?). Grab from outcrop. Dark reddish-brown, very fine-grained, intensely silicified ash tuff(?). Off-white to yellow subangular to rounded feldspar crystal fragments. No visible mineralization.	5	0.1	31	4	39	
6617	Ash tuff. Grab from outcrop. Dark brown, silicified, very fine-grained ash tuff. No visible mineralization.	5	0.1	3	53	668	
6618	Quartz vein. Chip from a 5 cm wide, massive milky white, quartz vein. No visible mineralization.	20	0.1	132	28	303	
6619	Aplite dyke(?). Grab from outcrop. Light grey, very fine-grained aplitic dyke(?). 3% subhedral feldspar crystals (<3 mm). Trace finely disseminated pyrite.	5	0.4	35	125	172	
6620	Ash tuff(?). Grab from outcrop. Dark brown, intensely silicified, very fine-grained ash tuff with dark brown circular patches (<4 mm). No visible mineralization.	5	0.1	13	262	52	
6621	Mafic ash tuff. Grab from outcrop. Dark, purplish black, intensely silicified, fine-grained mafic ash tuff. Trace finely disseminated pyrite.	5	0.1	5	50	111	



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6601	Quartz vein. Chip from 4 cm wide quartz vein from a shear with an orientation of 178/50°E. Sample is massive, milky white with 3 mm patches of epidote. 5-7% galena and 3% chalcopyrite.	40	248.2 g/t	3.28%	5.7%	18.7%	As 671, Mo 24
6602	Ash tuff. Grab from outcrop. Dark green, intensely silicified ash tuff. 1% subrounded to subangular feldspar crystal fragments (<2 mm) altered to epidote. No visible mineralization.	5	2.5	374	683	2652	As 115
6603	Ash tuff. Grab from footwall of sample 6601. Medium green, silicified, very fine-grained ash tuff. Subrounded feldspar crystal fragments (<2 mm) altered to epidote. No visible mineralization. Sample appears to be contaminated by the mentioned quartz vein.	10	233.1 g/t	25652	>3%	>15%	As 132
6605	Ash tuff. Grab from outcrop. Medium grey-green, silicified ash tuff. Sample is cut by subparallel yellow-white quartz veins (3-5 mm), 3% disseminated pyrite is associated with the quartz veins.	10	0.8	259	112	618	As 390
6606	Mafic crystal tuff(?). Grab from foliated outcrop with an orientation of 127/50°W. Dark brown mafic crystal tuff. 3-5% angular to subrounded, black mafic crystal fragments (<3 mm) in a massive, dark brown matrix. 1-2% disseminated pyrite.	5	0.2	19	16	386	
6607	Quartz vein. Chip of a 5 cm wide quartz vein with 3-7% galena, 3% chalcopyrite and 3% sphalerite.	20	603.4 g/t	3.78%	6.36%	19.9%	Mo 22, As 295
6608	Ash tuff(?). Grab from outcrop. Medium brown, very intensely silicified, ash tuff. No original textures remaining.	5	3.6	398	578	2292	
6610	Ash tuff(?). Grab from outcrop. Light brown, very intensely silicified ash tuff(?). No original textures visible.	5	0.1	41	11	210	
6611	Ash tuff(?). Grab from outcrop. Yellow-brown, very intensely silicified ash tuff(?). No original textures visible. Trace finely disseminated pyrite.	5	0.1	22	8	158	As 116



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6612	Ash tuff. Grab from outcrop. Light grey, very intensely silicified ash tuff. 2% dark-grey, subrounded to angular mafic(?) crystal fragments. Trace very finely disseminated pyrite.	5	0.1	21	1	208	As 1592
6613	Ash tuff(?). Grab from outcrop. Maroon, very fine-grained, intensely silicified ash tuff. Sample appears to be foliated. Trace finely disseminated pyrite.	5	0.1	15	1	95	
6614	Ash tuff. Grab from outcrop. Light grey, very fine-grained ash tuff with parallel hairline fractures and 3% porphyroblasts of a brown mineral (garnet?). No visible mineralization.	5	0.1	48	9	44	
6615	Quartz vein(?). Grab from outcrop. Brecciated, yellow-white quartz vein. White and yellow-white angular quartz fragments (<5 mm). No visible mineralization.	5	0.1	16	1409	131	
6616	Ash tuff(?). Grab from outcrop. Dark reddish-brown, very fine-grained, intensely silicified ash tuff(?). Off-white to yellow subangular to rounded feldspar crystal fragments. No visible mineralization.	5	0.1	31	4	39	
6617	Ash tuff. Grab from outcrop. Dark brown, silicified, very fine-grained ash tuff. No visible mineralization.	5	0.1	3	53	668	
6618	Quartz vein. Chip from a 5 cm wide, massive milky white, quartz vein. No visible mineralization.	20	0.1	132	28	303	
6619	Aplite dyke(?). Grab from outcrop. Light grey, very fine-grained aplite dyke(?). 3% subhedral feldspar crystals (<3 mm). Trace finely disseminated pyrite.	5	0.4	35	125	172	
6620	Ash tuff(?). Grab from outcrop. Dark brown, intensely silicified, very fine-grained ash tuff with dark brown circular patches (<4 mm). No visible mineralization.	5	0.1	13	262	52	
6621	Mafic ash tuff. Grab from outcrop. Dark, purplish black, intensely silicified, fine-grained mafic ash tuff. Trace finely disseminated pyrite.	5	0.1	5	50	111	



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6622	Gabbro(?). Grab from outcrop. Dark, black and white gabbro. 50% black subhedral, mafic crystals (≤ 3 mm) and 50% whitish grey, anhedral feldspar crystals (≤ 3 mm). Trace-1% finely disseminated pyrite.	5	0.1	50	37	100	
6623	Diorite. Grab from outcrop. Dark greenish white diorite with 40% subhedral, black, mafic crystals, 50% whitish green, anhedral, feldspar crystals, and 10% grey-white anhedral quartz crystals. 2-3% disseminated pyrite.	5	0.1	92	20	115	
6624	Quartz vein. Chip from 5 cm wide, greenish white, quartz vein. Vein is intensely altered by epidote. 3% pyrite and 1% chalcopyrite.	5	1.1	456	1770	4783	
6625	Quartz vein. Chip from 5 cm wide, sheared, light green quartz vein. Vein is altered to epidote. 1% finely disseminated pyrite.	5	0.4	247	860	1113	
6626	Quartz vein. Chip from 3 cm wide, light green quartz vein. Vein is epidote altered. 1% finely disseminated chalcopyrite.	5	0.6	531	2690	2559	
6627	Mafic crystal tuff. Float. Dark, grey-green, silicified mafic crystal tuff with 5% angular to subrounded, black mafic crystal fragments (≤ 3 mm). 1-2% finely disseminated pyrite.	30	0.2	19	70	204	As 159
6628	Mafic crystal tuff. Grab from outcrop. Dark grey-green, silicified, mafic crystal tuff with 5% angular to subrounded, black mafic crystal fragments (≤ 2 mm). 2-3% finely disseminated pyrite.	20	0.1	9	17	78	As 103
6629	Feldspar crystal tuff(?). Grab from outcrop. Medium brown, intensely silicified feldspar crystal tuff. 3% subangular, grey, feldspar crystal fragments (≤ 2 mm); 2-3% disseminated pyrite as fracture fill.	0.17 g/t	0.1	13	4	121	As 374
6630	Ash tuff. Grab from outcrop. Dark grey, intensely silicified, ash tuff. 3-5% disseminated pyrite as fracture fill.	80	0.1	88	8	39	As 766
6631	Ash tuff(?). Grab from outcrop. Dark, blue-grey, intensely silicified ash tuff. Locally altered to epidote. 3% finely disseminated pyrite.	90	2.8	1135	1070	702	As 331



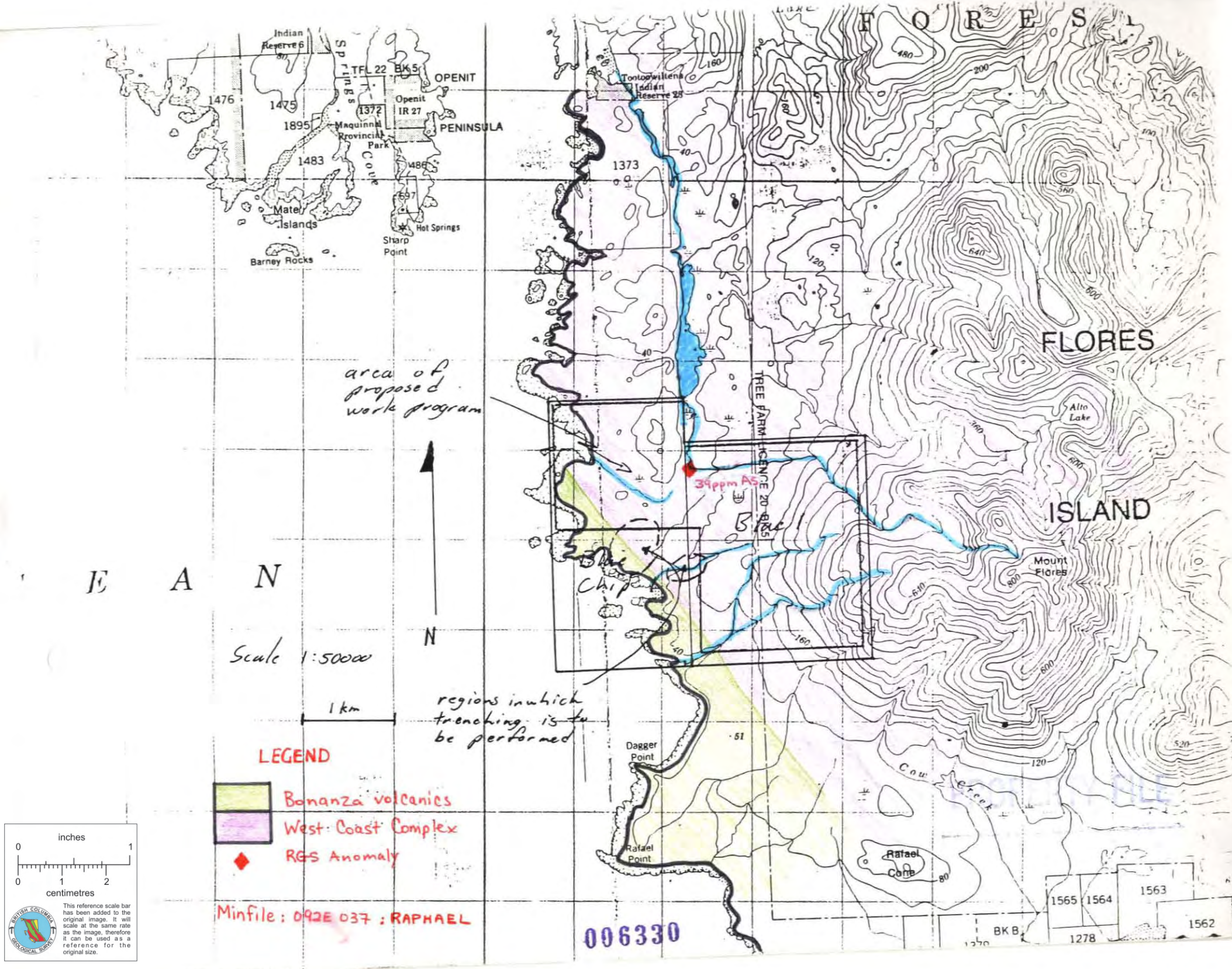
Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6632	Quartz vein(?). Grab from outcrop. Massive, grey-white quartz vein with greenish grey, silicified, angular, fragments of ash tuff(?). 5-7% disseminated sphalerite and trace disseminated chalcopyrite.	60	15.4	2978	1880	4.03%	As 1086
6633	Quartz vein. Grab from 3 cm wide, grey-white quartz vein. Angular, altered inclusions (≤ 1 cm) of host rock(?). 5% finely disseminated pyrite.	0.7 g/t	2	793	19	381	As 1094
6634	Ash tuff(?). Grab from outcrop. Dark grey, fine-grained, silicified ash tuff. 3% disseminated pyrite as fracture fill.	5	0.1	15	5	74	
6635	Ash tuff(?). Grab from outcrop. Dark grey-green, silicified ash tuff. Epidote(?) alteration occurs in localized patches (< 2 mm). Trace finely disseminated pyrite.	10	8	1216	1.03%	1.48%	As 162
6636	Brecciated ash tuff. Grab from outcrop. Dark grey, brecciated ash tuff. Breccia fragments (≤ 2 cm) vary from subrounded to angular and are very intensely silicified. The interstices are filled with disseminated galena (5%), sphalerite (3%) and chalcopyrite (1%).	50	63.4 g/t	6671	3.98%	7.92%	As 711, Mo 14
6637	Mafic ash tuff. Grab from outcrop. Dark, blue-black, fine-grained, ash tuff. 3% angular, black mafic crystal fragments (≤ 1 mm). Epidote occurs locally in patches (≤ 7 mm). 3% disseminated pyrite.	50	1.8	247	1020	923	As 234
6638	Quartz vein(?). Grab from quartz vein(?). Grey-green, massive quartz vein with medium green, silicified, subrounded inclusions of ash tuff(?). Trace-1% disseminated sphalerite.	30	27.8 g/t	1386	7400	3.10%	As 478
6639	Quartz vein(?). Grab from 3 cm wide, grey-white massive quartz vein with 5% disseminated sphalerite and 2-3% disseminated pyrite.	30	92.6 g/t	5880	4480	14.48%	
6651	Sandstone. Grab from outcrop. Medium grey, silicified, fine-grained sandstone, with rounded to angular clasts (≤ 5 mm). No visible mineralization.	40	0.4	70	233	403	As 1137



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6652	Sandstone. Grab from outcrop. Dark grey, silicified, fine-grained sandstone. Angular to rounded clasts (≤ 1 mm). Trace disseminated pyrite.	5	0.1	8	18	87	
6653	Quartz vein. Chip from 3 cm wide, massive, greenish white quartz vein with an orientation of 113/44°N. No visible mineralization.	5	0.2	16	64	92	
6654	Quartz vein. Chip from 1 to 3 cm wide, massive, white quartz vein, with an orientation of 020/84°W. Mineralization consists of disseminated chalcopyrite (1%) and sphalerite (1%).	5	79.5 g/t	4.54%	1126	2.78%	As 224
6655	Ash tuff. Float. Dark, red-brown, intensely silicified, fine-grained ash tuff. Dark brown inclusions (≤ 3 mm). No visible mineralization.	5	2	1066	63	1337	
6656	Mafic ash tuff. Grab of mafic ash tuff from a 20 cm wide shear with an orientation of 020/90°. Tuff is dark, blue-black with 1% angular mafic crystal fragments (≤ 1 mm). Trace disseminated pyrite.	5	0.8	310	38	413	
6657	Feldspar crystal tuff. Grab from a shear with an orientation of 020/90°. Light to medium grey, very intensely silicified feldspar crystal tuff. 3% subrounded, white feldspar crystal fragments (≤ 4 mm). No visible mineralization.	5	0.2	37	21	83	
6658	Feldspar crystal tuff(?). Grab from outcrop. Medium grey, intensely silicified, feldspar crystal tuff. 5% subrounded, grey-white feldspar crystal fragments and 1% subrounded, black, mafic crystal fragments. Trace disseminated pyrite.	5	0.1	38	10	81	
6659	Quartz vein. Chip from 3-5 cm wide, grey-white quartz vein with an orientation of 101/66°S.	5	0.1	48	10	104	
6660	Granodiorite. Grab from hanging wall, of sample 6659. Medium grey, fine-grained granodiorite. 40% anhedral, black, mafic crystals (≤ 1.5 mm), 40% anhedral, yellow-white, feldspar crystals (≤ 2 mm) and 20% anhedral, grey quartz crystals (≤ 2 mm). No visible mineralization.	5	0.1	37	11	88	



Sample No.	Descriptions	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Other ppm
6661	Quartz vein. Grab from 5 cm wide, grey-white, massive quartz vein with an orientation of 174/60°E. Trade finely disseminated pyrite.	5	0.3	25	14	21	



area of proposed work program



Scale 1:50000

1 km

regions in which trenching is to be performed

LEGEND

- Bonanza volcanics
- West Coast Complex
- RGS Anomaly

Minfile: 092E 037 : RAPHAEL

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