

84-#876 - 12791

6/85

~~PROSPECTING~~  
~~GEOCHEMICAL~~  
ASSESSMENT REPORT  
ON THE  
LAZEO - KLEIN CLAIM

Port Alberni Mining Division

N.T.S. 92 F / 5 W

Long. 125 <sup>52.5W</sup>~~53W~~ Lat. 49 24 N

Owned by L. LAZEO and L. BRUNBACK

Operated by CONSORT ENERGY CORP.

Work by BILL CHASE AND ASSOCIATES

Report by MINDAT CONSULTANTS

BRADFORD J. COOKE

JUNE 30, 1984

MINING DIVISION  
ASSESSMENT REPORT

12,791

## TABLE OF CONTENTS

|                |    |
|----------------|----|
| Introduction   | 1  |
| Geology        | 5  |
| Geochemistry   | 6  |
| Conclusions    | 8  |
| Cost Statement | 9  |
| References     | 10 |
| Qualifications | 11 |
| Analyses       | 12 |

## LIST OF FIGURES

|                         |   |
|-------------------------|---|
| Figure 1: Location map. | 2 |
| Figure 2: Claim map.    | 3 |
| Figure 3: Sample map.   | 7 |

## LIST OF TABLES

|  |
|--|
| Table 1: Production data for the Abco and Big Boy prospects. |
|--|

## INTRODUCTION

The Lazeo-Klein claim is located near the mouth of Cotter Creek on the east side of Herbert Inlet, southwestern Vancouver Island, B.C. (Figure 1). Access to the property is limited to power-boat, float-plane or helicopter from Tofino, 29 km to the Wsouth.

Consisting of twenty units, Lazeo-Klein claim (record no. 1788 (6)) was recorded on June 13, 1983 by L. Lazeo and L. Brunback for Consort Energy Corp. (Figure 2). The property lies directly south of the old Abco (Mary McQuiltan) and Big Boy gold vein prospects, which were staked in 1933 and produced minor gold, silver, copper and lead until 1941 (Table 1).

One man-day researching background information, one man-day travelling and two man-days prospecting and sampling of stream sediments and soils were carried out on the claim. Both sides of Cotter Creek were prospected, 16 stream sediments were taken from tributaries of Cotter Creek and 50 soil samples were collected at 50 m intervals along the road north of Cotter Creek.

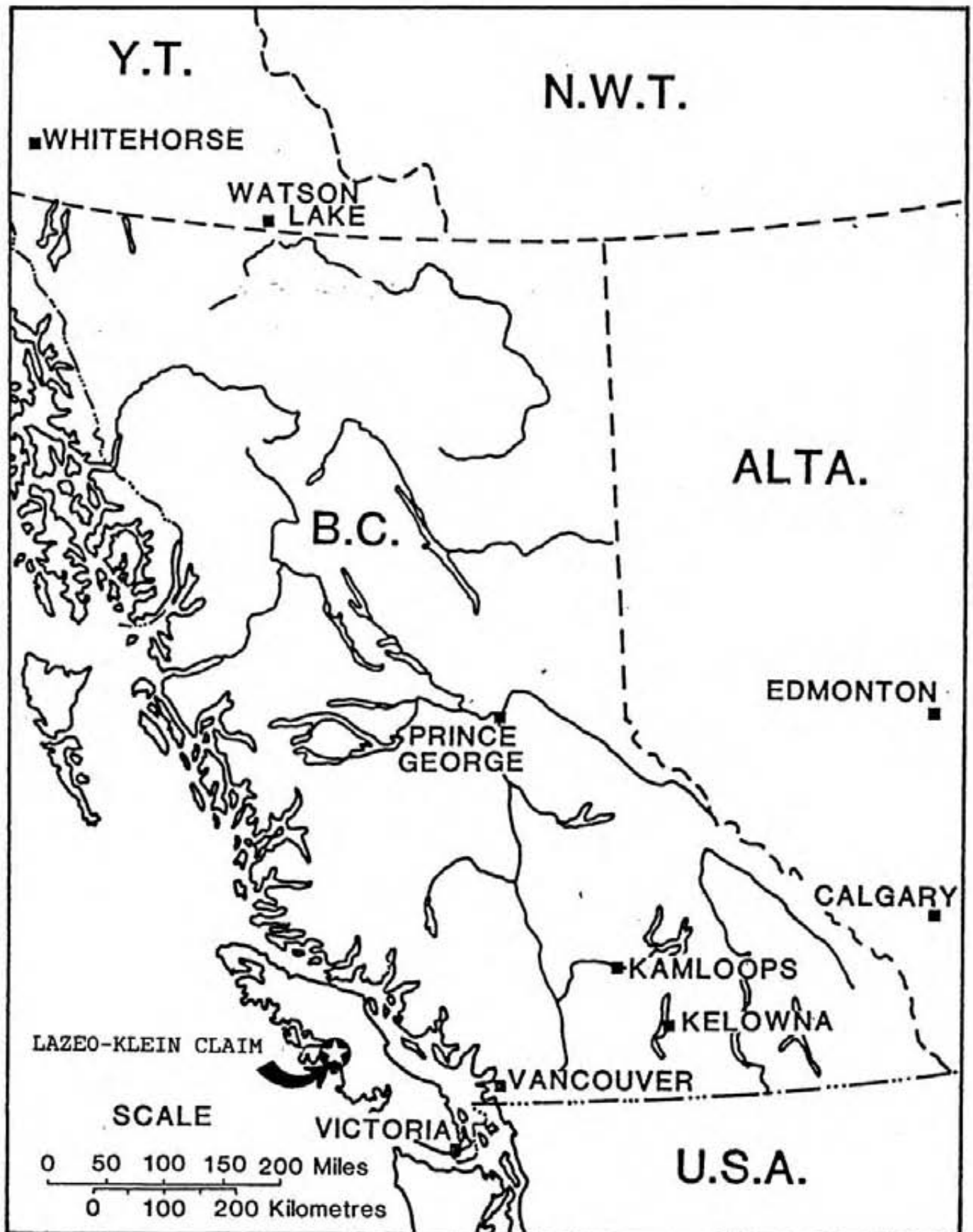


FIGURE 1: LOCATION MAP.

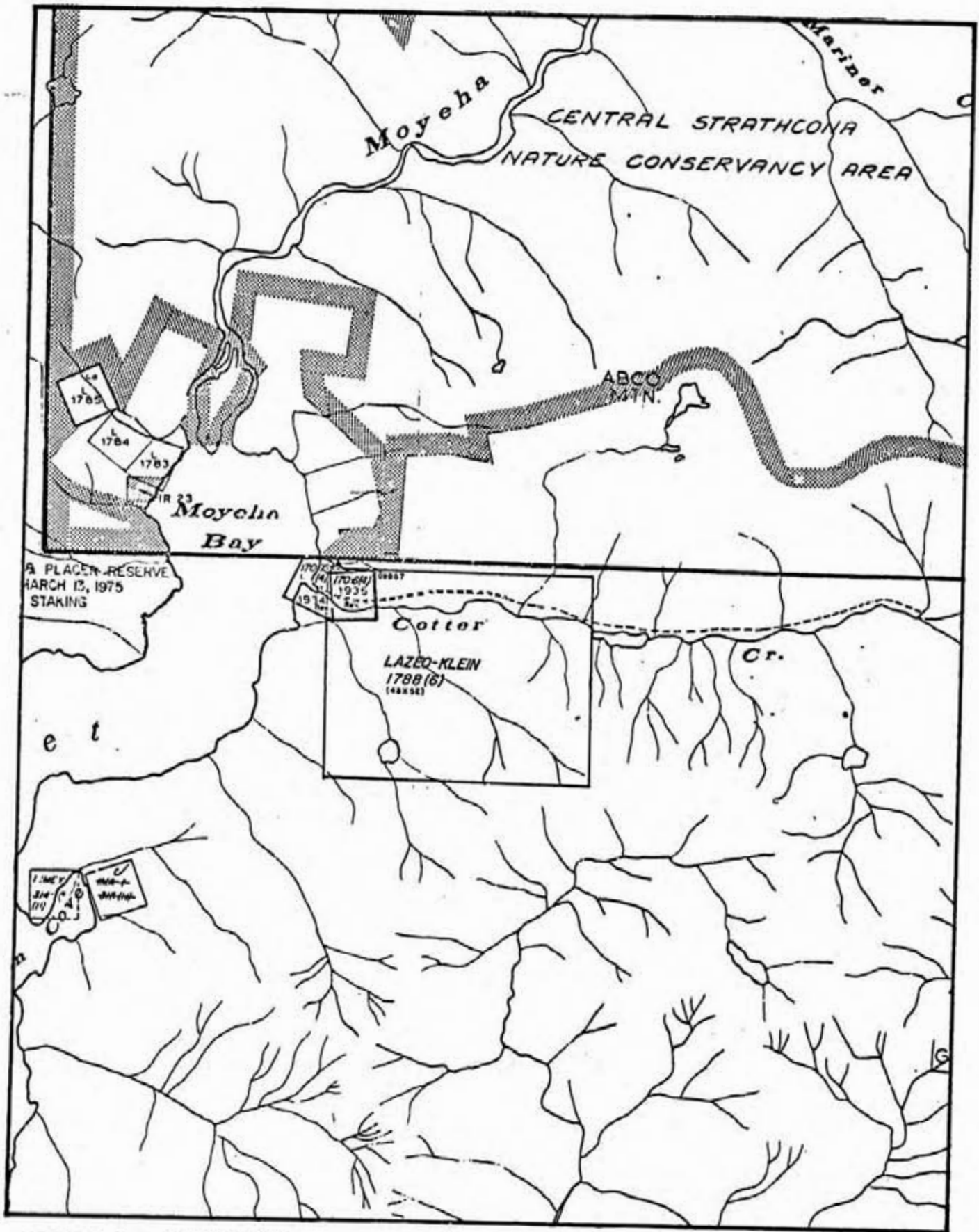


FIGURE 2: CLAIM MAP.

| <u>Prospect</u> | <u>Tonnage (tons)</u> | <u>Au (oz)</u> | <u>Ag (oz)</u> | <u>Cu (lb)</u> | <u>Pb (lb)</u> |
|-----------------|-----------------------|----------------|----------------|----------------|----------------|
| Abco            | 80                    | 232            | 103            | 584            | 0              |
| Big Boy         | 60                    | 163            | 95             | 467            | 447            |

---

TABLE 1: PRODUCTION DATA FOR THE ABCO AND BIG BOY PROSPECTS.

## GEOLOGY

Lazeo-Klein claim is underlain by andesite flows, breccias and tuffs of the Pennsylvanian-Permian Sicker Group; in fault contact with and overlain by basalt flows and breccias of the Upper Triassic Karmutsen Formation; and intruded by feldspar porphyry, quartz porphyry, alaskite and andesite dikes of the Upper Jurassic Island Intrusions ( Muller and Carson, 1968). Prospecting did not locate any mineralization along Cotter Creek, which follows an east striking, steeply dipping fault.

A few hundred metres north of the claim in Strathcona Park, the Abco and Big Boy prospects consist of gold, pyrite, chalcopyrite, galena and sphalerite in parallel quartz-calcite veins and replacements up to 20 cm wide; following shears and fissures up to 2.3 m wide; which crosscut Karmutsen basalt to dacite near ankerite and/or epidote-altered feldspar porphyry, quartz porphyry, alaskite and andesite dikes (Stevenson, 1944).

Big Boy occurs in a narrow shear striking N 70 W and dipping 35-90 NE with an average grade of 0.75 oz Au over 25 m long. Abco lies in a wider shear striking N 45 E and dipping 50 NW with an average grade of 0.40 oz Au over 10 m long. Grades up to 3.46 oz Au and 1.43 oz Ag were reported over a 10 cm width (B.C.M.M.A.R. 1933, 1935, 1938).

## GEOCHEMISTRY

Sixteen sediment samples were collected from tributaries of Cotter Creek. One low order (40 ppb) and two high order (120 and 540 ppb) gold anomalies were detected above a background of less than 10 ppb Au (Figure 3). No silver anomalies were found over a background of 0.2 ppm Ag. The strongest anomaly is in a tributary draining north into Cotter Creek and signifies previously unknown gold mineralization on the western part of the property.

Fifty soil samples were collected from the B horizon, about 20 cm deep, at 50 m intervals along the road north of Cotter Creek. Seven low order (20 to 60 ppb) gold anomalies and one low order silver (0.8 ppm) anomaly were detected above backgrounds of less than 10 ppb Au and 0.2 ppm Ag. These eight soil anomalies and the two other sediment anomalies may be due to gold vein material transported downhill to the south from the Abco prospect but they may also represent buried southern extensions of the Abco vein system, particularly in the anomalous zone from 11+00 to 12+50 E along the road.



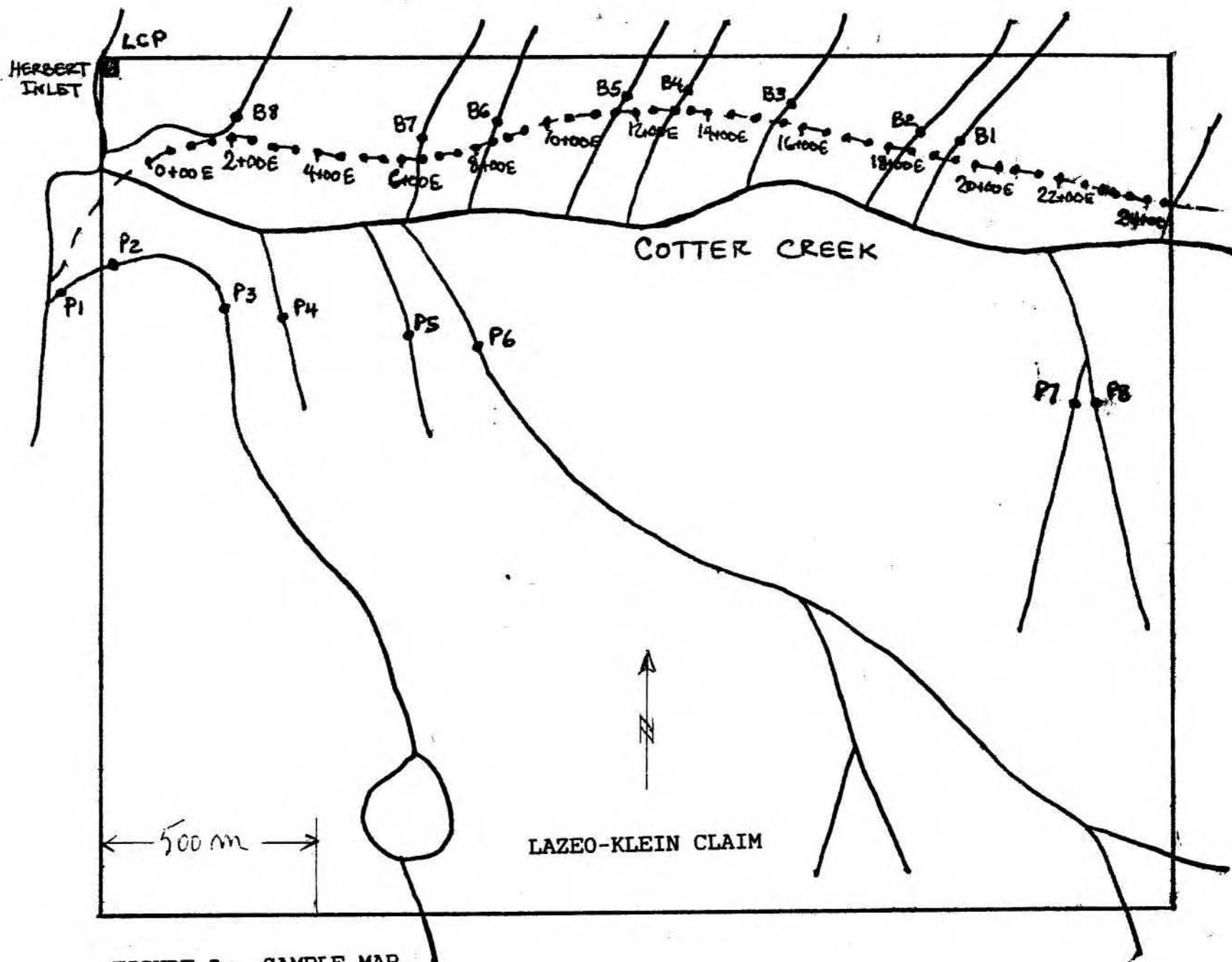


FIGURE 3: SAMPLE MAP.

## CONCLUSIONS

1) The Lazeo-Klein claim is underlain by Sicker Group and Karmutsen Formation basic volcanics intruded by porphyry, alaskite and andesite dikes of the Island Intrusions. This geological environment is comparable to rocks north of the claim that host gold and sulfides in quartz veins and replacements.

2) These rocks in turn are similar to those of the Zeballos gold mining camp to the north where 304,308 oz Au (9,465,244 g) and 132,430 oz Ag (4,119,118 g) were produced from 716,977 tons ore (651,797 T) between 1934 and 1948 (Sinclair and Hansen, 1983). The property also holds potential for "gold porphyrites" similar to new discoveries near Kennedy Lake to the south where drilling has intersected 5.8 m of 0.349 oz Au and 0.23 oz Ag (Aitken and Passaglia, 1984).

3) One high order stream sediment gold anomaly (540 ppb) signifies the presence of previously undiscovered gold mineralization on the western part of Lazeo-Klein claim. Two other stream sediment and eight low order soil anomalies indicate either gold vein material transported downhill to the south from the Abco prospect, or buried southern extensions of that vein system.

COST STATEMENT

| <u>Item</u>    |                                  | <u>Cost</u> |
|----------------|----------------------------------|-------------|
| Wages          | 2 men x 2 days x \$125           | \$500       |
| Transportation | 1 truck x 1 1/2 days x \$40      | \$60        |
|                | 1 helicopter x 1 hour x \$467    | \$467       |
| Accommodation  | 2 men x 1 day x \$30             | \$30        |
| Food           | 2 men x 1 1/2 days x \$20        | \$60        |
| Analyses       | 66 Au-Ag analyses x \$6.50       | \$429       |
| Report         | 2 days x \$200                   | \$400       |
|                | drafting, photocopies, materials | \$54        |
| <hr/>          |                                  |             |
| Total          |                                  | \$2000      |

## REFERENCES

British Columbia Minister Mines Annual Reports, 1933 P.A251-252, 1935 P.F40-46, 1937 P.A40, 1938 P.F69, 1941 P.27, 1942 P.31.

Aitken, J.H. and Passaglia, W., 1984, Extensive gold find on Vancouver Island, Information Release, 29-05-84.

Muller, J.E. and Carson, D.J.T., 1968, Geology and mineral deposits of the Alberni maparea, G.S.C. Paper 68-50, Map 17-68.

Sinclair, A.J. and Hansen, M.C., 1983, Resource assessment of gold-quartz veins, Zeballos mining camp, Vancouver Island - A preliminary report, B.C.M.E.M.P.R. Paper 1983-1, P.291-304.

Stevenson, J.S., 1944, Lode gold deposits of Vancouver Island, B.C.D.M. Bulletin 20, Part 5.

## QUALIFICATIONS

I, Bradford J. Cooke, am a professional geologist and operate a consulting business, MINDAT Consultants, 2095 West 44 Avenue, Vancouver, B.C., V6M 2G1.

I was awarded a B.Sc. Honours Geology degree from Queen's University, Kingston, Ontario in 1976 and completed a M.Sc. Geology degree at the University of British Columbia, Vancouver, B.C. in 1984.

I have worked in mineral exploration both seasonally and permanently since 1975, and have performed geological field work since 1972.

I have not visited the Lazeo-Klein claim but I did carry out background research on the property. I know Bill Chase to be a competent explorationist, qualified to carry out prospecting, geochemical and other surveys in the field. I report here on work performed in 1984 for assessment purposes and my evaluation of the property.

Bradford J. Cooke  
MINDAT Consultants

**ROSSBACHER LABORATORY LTD.**

**CERTIFICATE OF ANALYSIS**

2225 SOUTH SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL: (604) 299-6910

TO: CONSORT ENERGY CORP  
 720-475 HOWE STREET  
 VANCOUVER B.C.

CERTIFICATE NO. :84107- 1

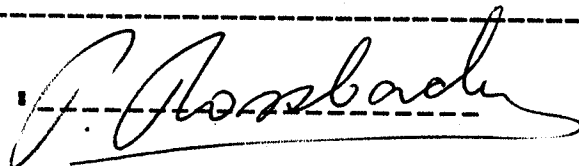
INVOICE NO. :4110

PROJECT: BILL CHASE

DATE ANALYSED :MAY 23 1984

| SAMPLE#       | PPM |        |
|---------------|-----|--------|
|               | Ag  | PFB Au |
| P 1           | 0.2 | 10     |
| P 2           | 0.2 | 10     |
| P 3           | 0.2 | 540    |
| P 4           | 0.2 | 10     |
| P 5           | 0.2 | 10     |
| P 6           | 0.2 | 10     |
| P 7           | 0.2 | 10     |
| P 8           | 0.2 | 10     |
| B 1           | 0.2 | 10     |
| B 2           | 0.2 | 10     |
| B 3           | 0.2 | 10     |
| B 4           | 0.2 | 10     |
| B 5           | 0.2 | 10     |
| B 6           | 0.2 | 120    |
| B 7           | 0.2 | 40     |
| B 8           | 0.2 | 10     |
| LO+00N 0+00E  | 0.2 | 10     |
| 0+50E         | 0.2 | 10     |
| 1+00E         | 0.2 | 10     |
| 1+50E         | 0.2 | 10     |
| 2+00E         | 0.2 | 10     |
| 2+50E         | 0.2 | 10     |
| 3+00E         | 0.2 | 10     |
| 3+50E         | 0.2 | 10     |
| 4+00E         | 0.2 | 10     |
| 4+50E         | 0.2 | 10     |
| 5+00E         | 0.2 | 10     |
| 5+50E         | 0.2 | 10     |
| 6+00E         | 0.2 | 10     |
| LO+00N 6+50E  | 0.2 | 20     |
| 7+00E         | 0.2 | 10     |
| 7+50E         | 0.2 | 10     |
| 8+00E         | 0.2 | 10     |
| 8+50E         | 0.2 | 30     |
| 9+00E         | 0.2 | 10     |
| 9+50E         | 0.2 | 10     |
| 10+00E        | 0.2 | 10     |
| 10+50E        | 0.2 | 10     |
| 11+00E        | 0.2 | 30     |
| LO+00N 11+50E | 0.2 | 50     |

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 SOUTH SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL: (604) 299-6910

TO: CONSORT ENERGY CORP  
720-475 HOWE STREET  
VANCOUVER B.C.

CERTIFICATE NO. :84107- 2

INVOICE NO. :4110

PROJECT: BILL CHASE

DATE ANALYSED :MAY 23 1984

|         |               | PPM | PPB |
|---------|---------------|-----|-----|
| SAMPLE# |               | Ag  | Au  |
| S       | LO+00N 12+00E | 0.2 | 30  |
| S       | 12+50E        | 0.2 | 60  |
| S       | 13+00E        | 0.2 | 10  |
| S       | 13+50E        | 0.2 | 10  |
| S       | 14+00E        | 0.2 | 10  |
| S       | 14+50E        | 0.2 | 10  |
| S       | 15+00E        | 0.2 | 10  |
| S       | 15+50E        | 0.2 | 10  |
| S       | 16+00E        | 0.2 | 10  |
| S       | LO+00N 16+50E | 0.2 | 10  |
| S       | 17+00E        | 0.2 | 10  |
| S       | 17+50E        | 0.2 | 20  |
| S       | 18+00E        | 0.2 | 10  |
| S       | 18+50E        | 0.2 | 10  |
| S       | 19+00E        | 0.2 | 10  |
| S       | 19+50E        | 0.2 | 10  |
| S       | 20+00E        | 0.2 | 10  |
| S       | 20+50E        | 0.2 | 10  |
| S       | 21+00E        | 0.2 | 10  |
| S       | LO+00N 21+50E | 0.8 | 10  |
| S       | 22+00E        | 0.2 | 10  |
| S       | 22+50E        | 0.2 | 10  |
| S       | 23+00E        | 0.2 | 10  |
| S       | 23+50E        | 0.2 | 10  |
| S       | 24+00E        | 0.2 | 10  |
| S       | LO+00N 24+50E | 0.2 | 10  |

CERTIFIED BY :

