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GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT
ON THE CONTACT MINERAL CLAIM

RECEIVED
JUN - 5 1992
Gold Commissioner's Office
VANCOUVER, B.C.

HARRISON LAKE AREA
NEW WESTMINSTER M.D.
N. T. S. 92H/5E
LATITUDE: 49°17' NORTH
LONGITUDE : 121°44' WEST

OWNER/OPERATOR
LES DEMCZUK
1835 E. 13th AVE
VANCOUVER B.C.

BY

LES DEMCZUK M.Sc. F.G.A.C.

MAY 30, 1992

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,353

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1 SUMMARY

The contact claim consists of 9 units and is located approximately 3.0 km south-east of the town of Harrison Hot Springs B.C. in the New Westminster Mining Division. The contact claim host a variety of rocks types including intrusive (granodiorite), metamorphic (pre-jurassic) units and sequences of sediments (mostly limestone). The north part of the claim is intensely alteren (silicification and pyritization) such the original original rock types are difficult to ascertain. Rock and soil samples taken for multielement geochemical analysis indicate potential for skarn copper-silver-gold mineralization in the central part of the property.

2 INTRODUCTION

The field work on the Contact claim was conducted in May 1992 totalling 2 field days by Les Demczuk geologist and B. Ablay prospector assistant. The work consisted of prospecting, reconnaissance mapping and geochemical rock and soil sampling. The objective was to establish the rock types, alteration and mineralization present and locate any geochemical anomalies that might warrant a more extensive exploration program. The field work and results described within this report are intended to fulfil the assessment requirements for the Contact claim.

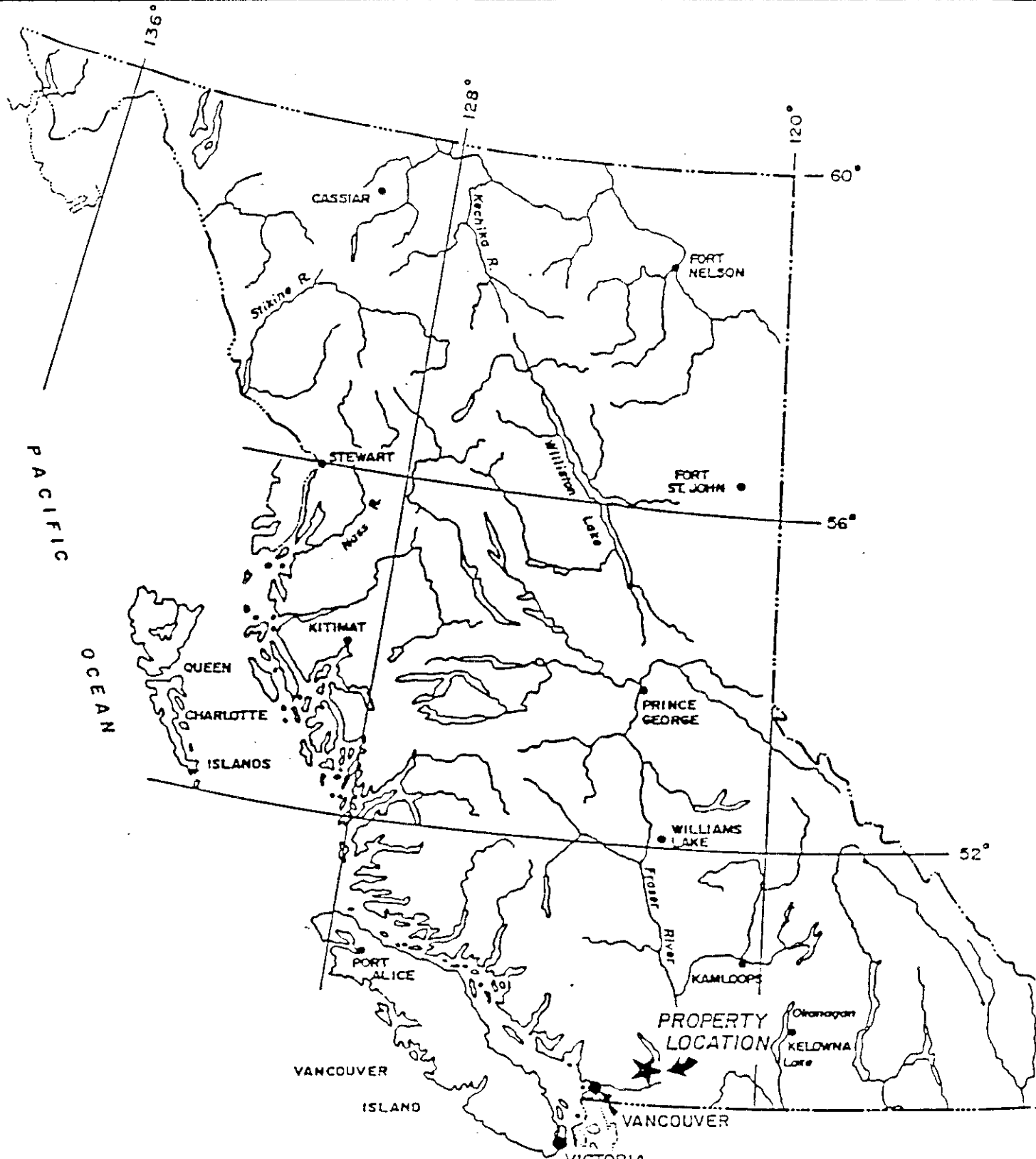
3 PROPERTY LOCATION AND ACCESS

The property consists of the Contact mineral claim. The claim data is as follows:

| Claim | Units | Rec. Number | Due Date |
|---------|-------|-------------|--------------|
| Contact | 9 | 300545 | June 1, 1994 |

Les Demczuk of Vancouver B.C. is the recorded owner of the Contact mineral claim.

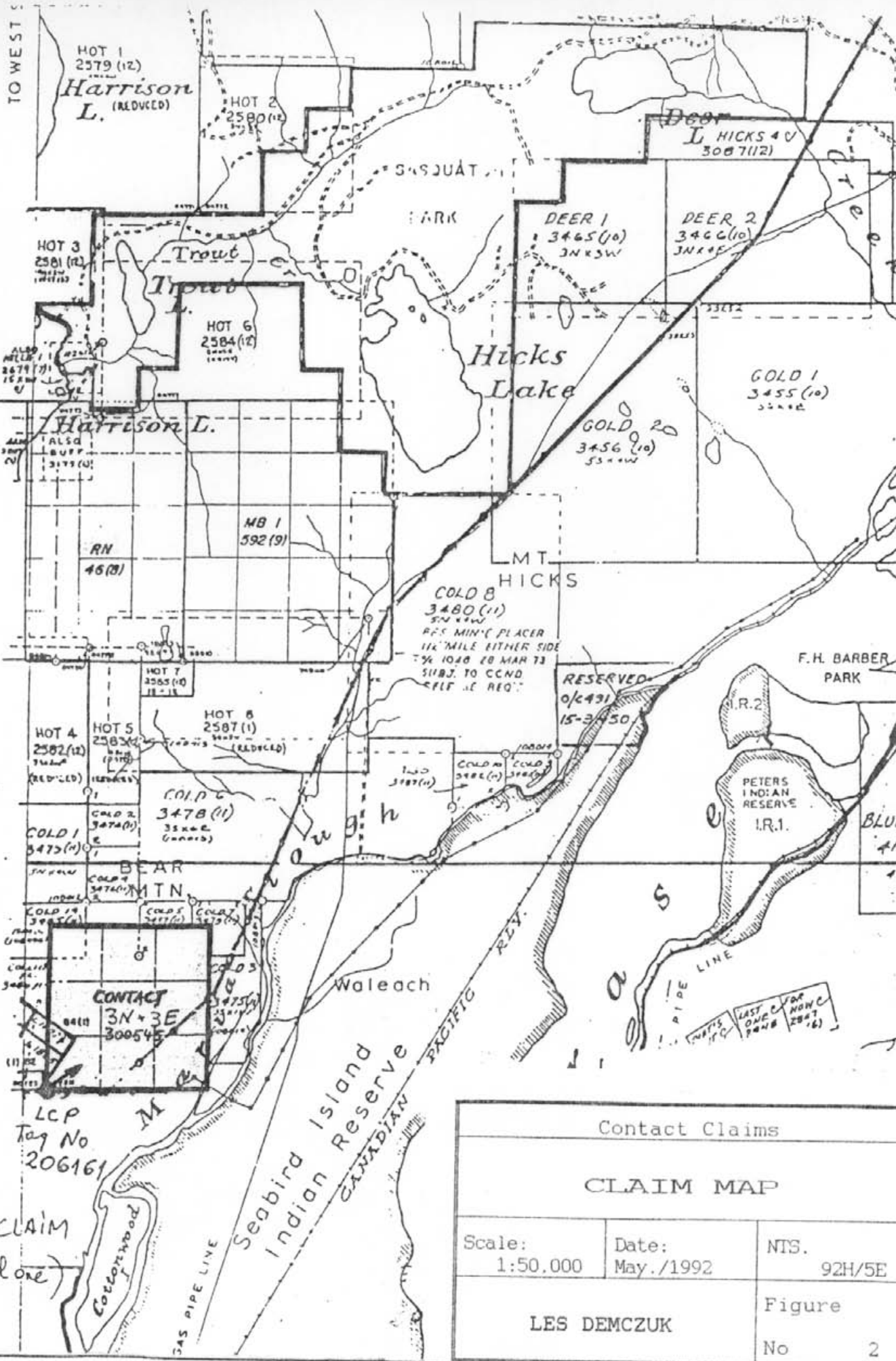
The Contact claim is located approximately 3.0 km south-east of the town of Harrison Hot Springs B.C. in the New Westminster Mining Division.



BRITISH COLUMBIA

Scale 1: 7,500,000 approx.

| | | |
|---------------------|--------------------|----------------|
| Contact Claims | | |
| LOCATION MAP | | |
| Scale: As Shown | Date: May./1992 | NIS. 92H/5E |
| LES DEMCZUK | | Figure No 1 |



3

1

CONTACT CLAIM
(restaking old one)

LCP
Tag No
206161

| | | |
|--------------------|--------------------|----------------|
| Contact Claims | | |
| CLAIM MAP | | |
| Scale: 1:50,000 | Date: May./1992 | NTS. 92H/5E |
| LES DEMCZUK | | Figure No 2 |

LAST ONE C/D FOR NOW C/P
PARTS TO BE PAID 2587 (16)

The claim may be reached by 3 km of paved road (the Sea Bird Island road) that joins Highway 7. Old logging roads provide good access within the claim block. The property is approximately 100 km from Vancouver B.C.

4 HISTORY OF THE PROPERTY

The only previous work on the property was recorded in the Annual Report Minister of Mines 1922 Pg. 253 "The ore occurrences on the Anna belong to the contact-metamorphic type of ore-deposits. The mineralization is made up of gossan, copper carbonates, chalcoppyrite, some chalcocite, garnet and tremolite. The copper ore occurs in bunches or lenses enclosed in crystalline limestone. The line of strike of the ore appears to be about N 15 W. At one point it appears as though the ore filled a fissure in the limestone about 3 feet wide. This is exposed in the floor of the main working, which is a glory-hole or quarry about 28 feet long 18 feet wide and about 18 feet high at the face, and comprises the development-work since 1918" No work has been recorded on the property since 1922, however significant exploration has been done 2 km to the north on the RN-GEO gold deposit by various operators, (Kerr Adison Mines Ltd, Bema Gold).

5 REGIONAL GEOLOGY AND MINERALIZATION

The regional geology has been summarized by Cooke (1991): "The most prominent geological feature of the area is the Harrison Lake fracture system (Figure 3). This is a major northwest trending fault system, which separated older rocks on the east side from younger and contrasting rocks on the west side of Harrison Lake. Pennsylvanian to Permian limestones and sediments (Chilliwak Group) occur, together with gneissic rocks on the east side of Harrison Lake (Ray, 1984, P.43). By contrast the rocks on the southwest side of the fracture system are generally younger and less deformed. These younger rocks consist of a variety of volcanic flows, volcanoclastic and sedimentary rocks of Mesozoic age, intruded by plutonic rocks of granite to diorite composition.

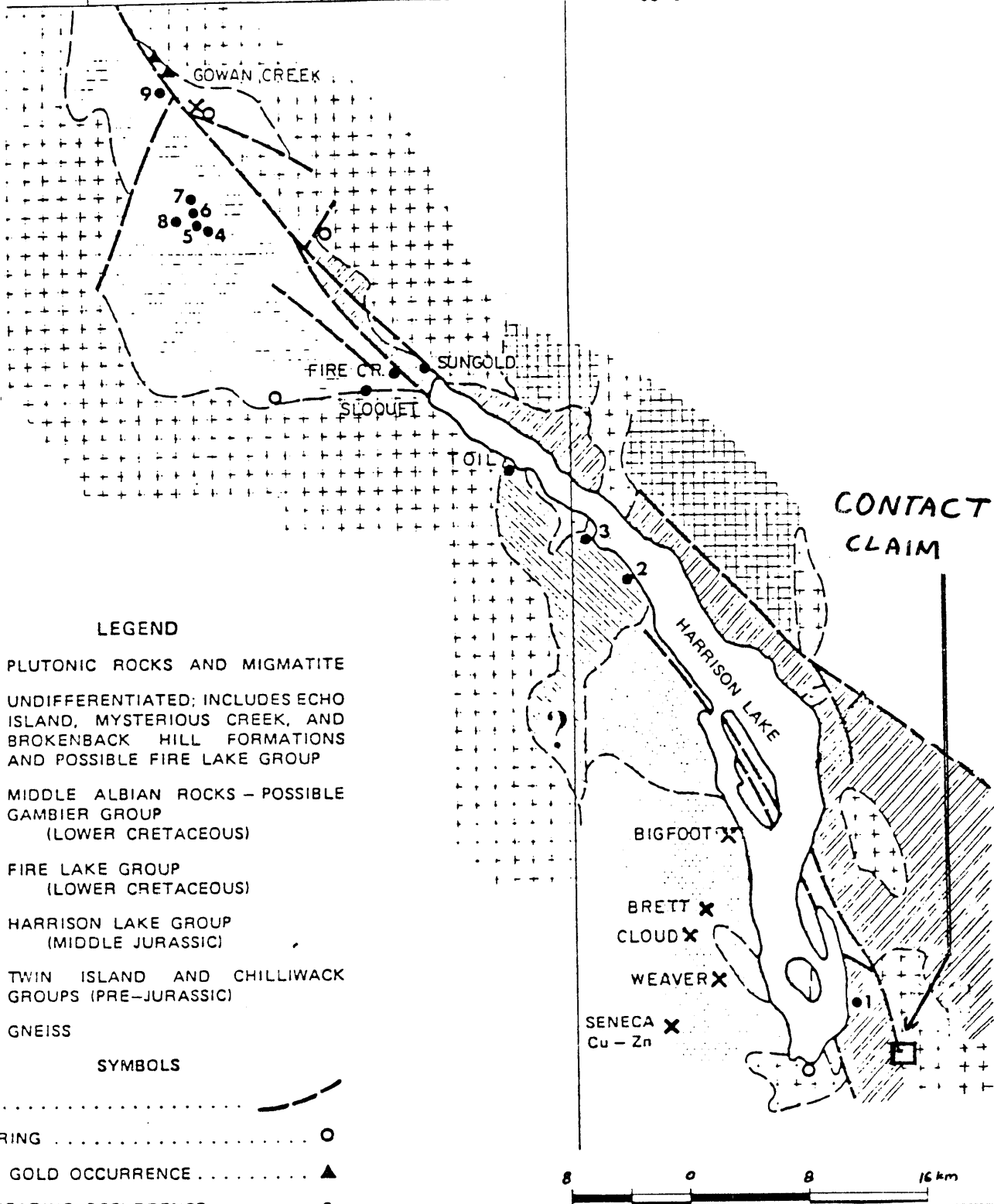
The Harrison Lake Group is the main lithology on the southwest side of Harrison Lake, consisting predominantly of andesites and dacites of Middle Jurassic age. The Fire Lake Group, located northwest of Harrison Lake, is lower Cretaceous in with a lesser volcanic component.

122° 30'








122° 15'

122° 00'

50° 00'



LEGEND

-  PLUTONIC ROCKS AND MIGMATITE
-  UNDIFFERENTIATED; INCLUDES ECHO ISLAND, MYSTERIOUS CREEK, AND BROKENBACK HILL FORMATIONS AND POSSIBLE FIRE LAKE GROUP
-  MIDDLE ALBIAN ROCKS - POSSIBLE GAMBIER GROUP (LOWER CRETACEOUS)
-  FIRE LAKE GROUP (LOWER CRETACEOUS)
-  HARRISON LAKE GROUP (MIDDLE JURASSIC)
-  TWIN ISLAND AND CHILLIWACK GROUPS (PRE-JURASSIC)
-  GNEISS

SYMBOLS

- FAULT - - - - -
- HOT SPRING ○
- PLACER GOLD OCCURRENCE ▲
- GOLD-BEARING OCCURRENCE ●
- MASSIVE SULPHIDE ×

- 1 = RN MINE (GEO)
- 2 = PROVIDENCE
- 3 = DOCTORS POINT
- 4 = KING I (STAR)
- 5 = MONEY SPINNER
- 6 = BARKOOLA
- 7 = BLUE LEAD
- 8 = RICHFIELD
- 9 = MAYFLOWER (DANDY)



| | | |
|---------------------------------|--------------------|----------------|
| Contact Claims | | |
| REGIONAL GEOLOGY MAP | | |
| Scale: As Shown | Date: May./1992 | NTS. 92H/5E |
| LES DEMCZUK | | Figure No 3 |

Precious metal mineralization and hot spring activity are associated with the Harrison Lake fracture system (Figure 3). The gold is hosted by sulphide-bearing quartz veins and stockworks that cut metasedimentary, volcanic and associated quartz diorite and diorite plutons of mid-Tertiary age. Gold occurs in the free state and as silver and bismuth telluride with or without base metals. The three main deposits which have been outlined in the Harrison Lake area by drilling are:

| Deposit | Reserves (Tones) | Au oz/T |
|----------------|----------------------|---------|
| RN-Geo | 2,400,000 (probable) | 0.12 |
| Doctor's Point | 132,000 (Probable) | 0.10 |
| Seneca | 1,660,000 (Probable) | |
| | 1.20 oz Ag/T | |

PROPERTY GEOLOGY AND GEOCHEMISTRY

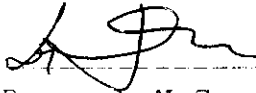
The traverse completed on the north side of the claim indicates the presence of coarse grained massive granodiorite which appears to be in contact to the south with a package of varied metamorphic rocks (Fig. 4). Locally small fine grained quartz diorite dykes with subhedral texture of hornblende and minor biotite along with 10% quartz and up to 5% sulphides (pyrrhotite, pyrite) are cutting the gneissic rocks. This area is heavily altered with much silification and secondary disseminated pyrite. The central and central-east of the property is underlain by relatively fresh crystalline limestone and granodiorite. Garnet-tremolite skarn occurs on the contact between this two rock types. Disseminated chalcopyrite, and chalcocite up to 2% is present in this skarn.

The geochemical analyses were done by Min-En Laboratories and results are given in Appendix I and on (Fig. 4) soils were sieved to -80 mesh and analyzed by I.C.P. except for gold which was extracted by acid leach and measured by Atomic Absorption. Rocks were pulverized and the -80 mesh fraction was analyzed, as so for soils. Both rocks samples were found strongly anomalous for copper, silver and gold. All soil samples are strongly anomalous for copper, silver and barium, soil sample 92-SC-04 is considered extremely anomalous for copper, silver and moderately for gold, barium.

7 CONCLUSIONS AND RECOMMENDATION

The 1992 exploration program has been successful in locating copper-silver-gold mineralization over considerable length and width. The results of the geological and geochemical survey indicate potential for significant copper-silver-gold mineralization (skarn type deposit) exists on the Contact property and further work is warranted and strongly recommended.

Respectfully submitted



Les Demczuk M.Sc., F.G.A.C.

May 30, 1992

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A P P E N D I X I

G E O C H E M I S T R Y L A B R E S U L T S

A P P E N D I X I I

STATEMENT OF COSTS

MAY 16,18 1992

| | | |
|-------------------------|----------------|-------------|
| L. Demczuk M.Sc., Geol. | 2 days @ \$350 | \$ 700.00 |
| E. Ablay Prosp./Asst. | 2 days @ \$250 | \$ 500.00 |
| 4x4 Truck 2 days | | \$ 200.00 |
| Geochemistry | | \$ 84.00 |
| Feild Suplies | | \$ 66.00 |
| Report | | \$ 500.00 |
| | Total | \$ 2,050.00 |

A P P E N D I X I I I

C E R T I F I C A T E

I Les Demczuk, with business address at 1835 E. 13th Ave. Vancouver B.C. do hereby certify that.

1. I am consulting geologist and have been engaged in my profession for over 14 years.
2. I am a graduate from the University of Mining and Metallurgy, Cracow, Poland with M.Sc., Honours in Mining Geology (1977).
3. I am a Fellow of the Geological Association of Canada.



Les Demczuk M.Sc., F.G.A.C.
May 30, 1992

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LEGEND

- ROAD
- - - POWER LINE
- 500 --- CONTOUR INTERVAL 100 M
- TRAVERSE
- OUTCROP
- BEDDING
- FOLIATION
- ▼ 92LC01 ROCK SAMPLE LOCATION
- 92SC01 SOIL SAMPLE LOCATION
- LCP LOCATION
- FAULT OR SHEAR ZONE

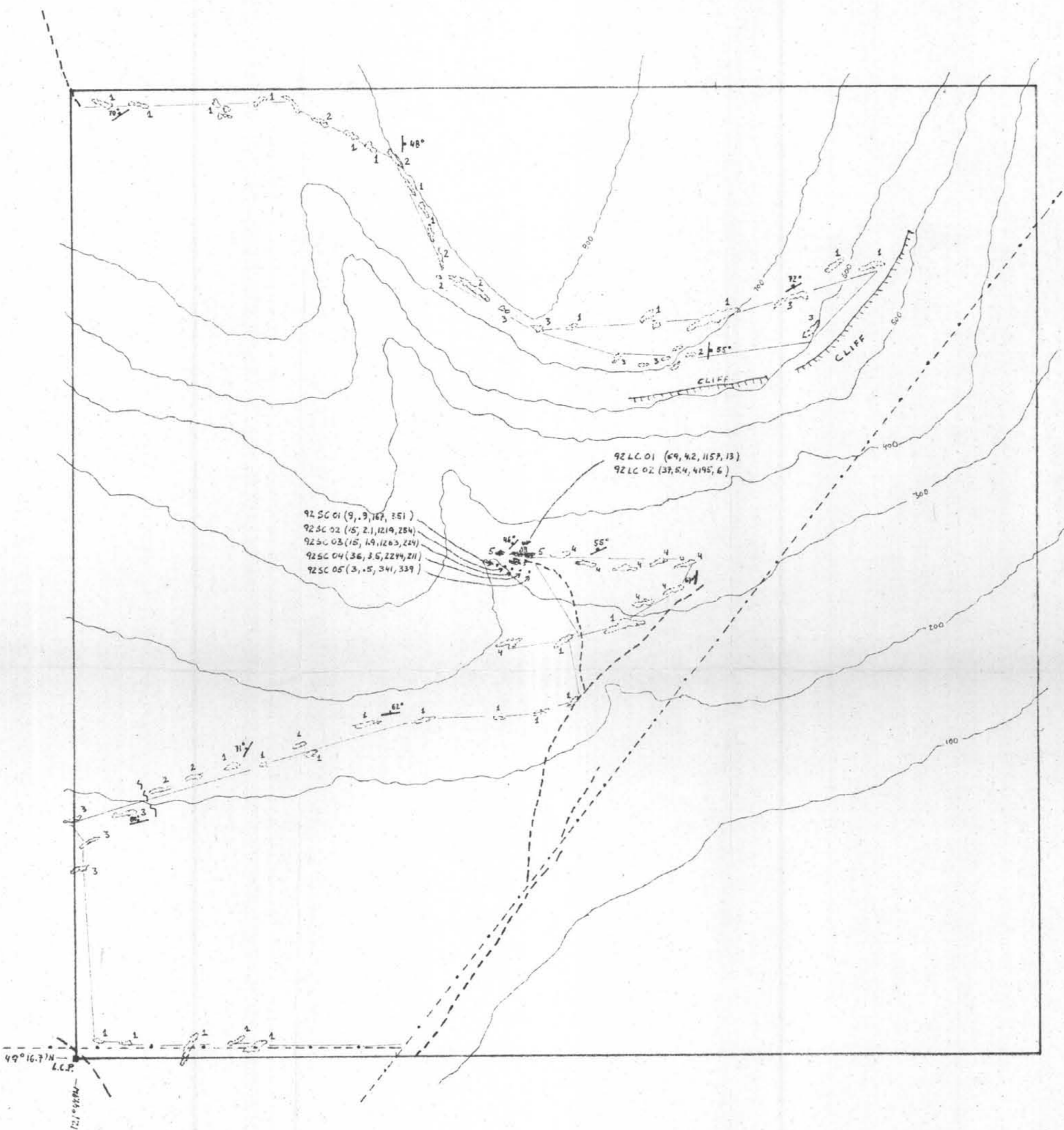
GEOCHEMICAL RESULTS

| | AU | AG | CU | BA |
|----------|------|------|-------|-----|
| | PP6 | PPM | PPM | PPM |
| ▼ 92LC01 | (69, | 4.2, | 1157, | 13) |

ROCK UNITS

- 1 GRANODIORITE
- 2 QUTZ-DIORITE
- 3 GNEISS
- 4 LIMSTONE
- 5 SKARN

0 100 200 300 400 METRES



CONTACT CLAIM

GEOLOGY AND GEOCHEMISTRY
MAP

| | | |
|----------------|----------------|---------------|
| SCALE: 1:5,000 | DATE: MAY 1992 | N.T.S. 92H/5E |
| LES DEMCZUK | | FIG. No: 4 |