

PROSPECTING REPORT

LE MARE NO. 1 AND NO. 2 MINERAL CLAIMS

NANAIMO MINING DIVISION

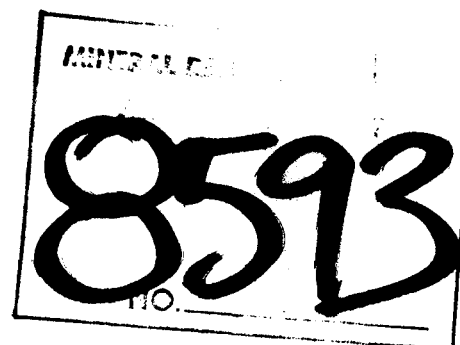
Latitude 50° 27' W

Longitude 127° 55' W

N.T.S. Map Sheet 92L/SW

By

R.J. Bilquist



For

British Newfoundland Exploration Ltd.

20 November 1980

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ILLUSTRATIONS

LE MARE 1 AND 2 CLAIMS

In Pocket

D. G. LEIGHTON & ASSOCIATES LTD.
GEOLOGICAL CONSULTANTS

• 3155 WEST 12TH AVENUE
VANCOUVER, B.C.
V6K 2R6

PROSPECTING REPORT

LE MARE 1-2 MINERAL CLAIMS

INTRODUCTION

The Le Mare 1 and 2 mineral claims located south of Quatsino Sound consist of two non-contiguous blocks covering copper showings. The area was prospected during 1980 by D.G. Leighton & Associates on behalf of British Newfoundland Exploration Limited. The object was to examine an area of known exploration potential from past work. New rock exposures generated through recent logging activities have greatly facilitated recent work.

This report summarizes the results of prospecting on the two claims and gives recommendations for follow-up work.

GENERAL

Location and Access

The Le Mare property is located on the south shore of Quatsino Sound, 30 km southwest of Coal Harbour and 40 km south west of Port Hardy near the north tip of Vancouver Island.

Access is good via active logging roads originating at tidewater at the Cleagh logging camp 10 km northeast of the property. The camp is accessible by boat from Coal Harbour or by float plane from Port Hardy.

Claims

The Le Mare property consists of two non-contiguous claims held in trust for British Newfoundland Exploration Limited as follows:

| <u>Claim</u> | <u>Units</u> | <u>Record No.</u> | <u>Record Date</u> |
|--------------|--------------|-----------------------|--------------------|
| Le Mare 1 | 4 | 477 | 9 November 1979 |
| Le Mare 2 | 4 | 496 | 13 November 1979 |

GEOLOGY (By R.J. Beaty)

Rocks exposed along logging roads cutting the LE MARE claims consist wholly of intermediate to acid volcanic flows and pyroclastics thought to be part of the Bonanza Formation of Jurassic age.

Regionally, the Bonanza Formation consists usually of fragmental andesite, dacite and rhyolite. It overlies Parson's Bay Formation rocks composed of argillite and sandstone, Quatsino Formation limestone and Karmutsen Formation (Triassic) volcanic flow rocks. The Bonanza Formation is host to Utah International Ltd.'s Island Copper Mine on Rupert Inlet, 32 km west of the LE MARE property.

Underlying the LE MARE 1 claim block in the area traversed by logging roads is heavily pyritized, white weathering, medium green rhyolite displaying strong flow banding and autobreccia textures, darker green mottled dacite tuff and flows and 1-2 m thick andesite dikes. The area has been very strongly faulted and fractured, with sub-vertical gouge zones up to 1 m across commonly developed. Low-grade regional metamorphism has produced zeolites, calcite and laumontite along fractures and in vesicles in andesite and dacite; chlorite is ubiquitous and causes dark green mottling in some units. Secondary potassium feldspar or albite forms 1 cm selvages along some fractures and veinlets. Faulting and metamorphism have obscured many original rock textures.

Underlying the LE MARE 2 claim block are thick beds of dark green andesite flows, dacite lapilli tuff and tuff and rhyodacite crystal tuff. Sporadic andesite dikes cross-cut all lithologies. Steeply dipping faults in several orientations are very numerous, with strike-slip and oblique-slip movement indicated by slickensides. As at LE MARE 1, zeolitization and chloritization are widespread, with strong epidote occurring in the southern part of the claim block. Occasional thin quartz stringers occur in all units.

LE MARE NO. 1 CLAIM (By R.J. Bilquist)

Results and Interpretation

A number of samples were taken from the LE MARE NO. 1 claim area. These samples with their results are listed on the attached laboratory assay sheet. The locations with the results are shown on a map located in pocket.

Finely disseminated vein pyrite along with chalcopyrite, bornite and malachite were traced for more than 300 m along a road cut. The pyrite is continuous along the total length but copper is sporadic. Two of the three areas where copper mineralization appeared strongest were chip sampled and grab samples were collected from all locations.

The chip samples gave values of 0.14% and 0.13% copper. Grab sample results varied from 0.01% to 0.49% copper along this section with the best mineralization appearing in the footwall of a major fault noted on the accompanying map. Three grab samples taken here over approximately 75 m gave assays of 0.01%, 0.03%, 0.30% and 0.47% copper.

LE MARE NO. 2 CLAIM (By R.J. Bilquist)

Results and Interpretation

Prospecting on the LE MARE NO. 2 mineral claim resulted in the discovery of a zone of mineralization. This zone was traced along a road cut a distance of 600 m. The mineralization found included chalcopyrite, malachite, azurite, sphalerite, and iron pyrites. Mineralization appears to be related to faults and fractures and in places it is abruptly cut off at the boundaries of these. The rock appears to be mainly andesite flows and tuffs cut by an occasional andesite dike. Near chip sample BRLM No. 20 secondary potassium feldspar was seen as fracture fillings. Samples taken here assayed between 0.20% and 1.40%. The copper mineralization was noted in another parallel road approximately 400 m to the southeast. No samples from here were assayed but from visual examinations it is assumed that the values would be similar.

BONDAR-CLEGG & COMPANY LTD.


DATE: November 17, 19803155 West 21th Avenue
Vancouver, B. C.
V6E 2R6

CERTIFICATE OF ASSAY

Samples submitted: October 29, 1980
Results completed: November 17, 1980PROJECT: VII hereby certify that the following are the results of assays made by us upon the herein described ore samples.

| MARKED | GOLD | | SILVER | | Cu | Pb | Zn | | | | |
|----------|----------------|----------------------|----------------|----------------------|---------|---------|---------|---------|---------|---------|---------|
| | Ounces per Ton | Grams per Metric Ton | Ounces per Ton | Grams per Metric Ton | Percent | Percent | Percent | Percent | Percent | Percent | Percent |
| ARLM - 1 | <0.002 | | | | 0.05 | - | - | | | | |
| 2 | <0.002 | | | | 0.20 | - | - | | | | |
| BR 10 | <0.002 | | | | 0.10 | - | - | | | | |
| BRLM 1 | 0.002 | | | | 0.10 | - | - | | | | |
| 2 | <0.002 | | | | 0.14 | - | - | | | | |
| 4 | <0.002 | | | | 0.13 | - | - | | | | |
| 5 | <0.002 | | | | 0.49 | - | - | | | | |
| 6 | <0.002 | | | | 0.03 | - | - | | | | |
| 7 | <0.002 | | | | 0.01 | - | - | | | | |
| 8 | <0.002 | | | | <0.01 | - | - | | | | |
| 9 | <0.002 | | | | 0.01 | - | - | | | | |
| 10 | 0.002 | | | | 0.01 | - | - | | | | |
| 11 | 0.002 | | | | 0.01 | - | - | | | | |
| 12 | <0.002 | | | | 0.02 | - | - | | | | |
| 13 | <0.002 | | | | <0.01 | - | - | | | | |
| 14 | <0.002 | | | | 0.01 | - | - | | | | |
| 15 | <0.002 | | | | 0.01 | - | - | | | | |
| 16 | <0.002 | | | | <0.01 | - | - | | | | |
| 17 | <0.002 | | | | 0.01 | - | - | | | | |
| 18 | <0.002 | | | | 0.20 | <0.01 | 4.60 | | | | |
| 19 | <0.002 | | | | 0.04 | - | - | | | | |
| 20 | 0.002 | | | | 0.30 | - | - | | | | |
| 22 | <0.002 | | | | 0.10 | - | - | | | | |
| 23 | <0.002 | | | | 0.02 | - | - | | | | |
| 23A | <0.002 | | | | 1.40 | - | - | | | | |

NOTE:

Rejects retained three weeks
Pulps retained three months
unless otherwise arranged.


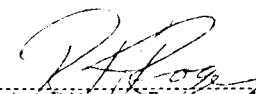
Registered Assayer, Province of British Columbia

CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described.....ore.....samples.

| MARKED | GOLD | | SILVER | | Cu | Pb | Zn | | | | |
|-----------|----------------|----------------------|----------------|----------------------|---------|---------|---------|---------|---------|---------|---------|
| | Ounces per Ton | Grams per Metric Ton | Ounces per Ton | Grams per Metric Ton | Percent | Percent | Percent | Percent | Percent | Percent | Percent |
| BRLM - 24 | <0.002 | | | | 0.47 | - | - | | | | |
| 25 | <0.002 | | | | 0.01 | - | - | | | | |
| 26 | <0.002 | | | | 0.30 | - | - | | | | |

NOTE:
 Rejects retained three weeks
 Pulps retained three months
 unless otherwise arranged.


 Registered Assayer, Province of British Columbia

LE MARE NO. 2 CLAIM (By R.J. Bilquist)

Results and Interpretation

Prospecting on the LE MARE NO. 2 mineral claim resulted in the discovery of a zone of mineralization. This zone was traced along a road cut a distance of 600 m. The mineralization found included chalcopyrite, malachite, azurite, sphalerite, and iron pyrites. Mineralization appears to be related to faults and fractures and in places it is abruptly cut off at the boundaries of these. The rock appears to be mainly andesite flows and tuffs cut by an occasional andesite dike. Near chip sample BRLM No. 20 secondary potassium feldspar was seen as fracture fillings. Samples taken here assayed between 0.20% and 1.40%. The copper mineralization was noted in another parallel road approximately 400 m to the southeast. No samples from here were assayed but from visual examinations it is assumed that the values would be similar.

CONCLUSIONS AND RECOMMENDATIONS

1. The presence of more than 970 m of sporadic copper mineralization, strong pyritization, intense shearing and fracturing and lithologies similar to those at the nearby Island Copper porphyry deposit are favourable features of the property.
2. Mineralization located to date is too sporadic and of too low a grade to warrant a large evaluation program at this stage.
3. Prospecting and sampling performed to date is a highly cost-effective method of mineral exploration in the vicinity of the LE MARE claim blocks. Active logging by O'Connor's Logging Co. Ltd. and Rayonier Inc. in the area is opening up many new areas and exposing much new outcrop.
4. A continued program of prospecting and geochemical sampling along new logging roads in the vicinity of the LE MARE property is strongly recommended. Estimated cost of such a program is \$10,000, which contemplates surface prospecting and sampling by two prospectors for a period of two weeks.

Respectfully submitted,



R.J. Bilquist

STATEMENT OF COSTS

November 27, 1980

British Newfoundland Exploration Ltd.,
#704 - 602 West Hastings Street,
Vancouver, B.C.
V6B 1P2

RE: PROJECT #116
NORTHERN VANCOUVER ISLAND

Payroll:

| | | | | |
|------------------|-----------------|---------------|-----------------|------------|
| Allen & Bilquist | | | \$1,862.50 | |
| R. Beaty | 4 days @ \$125. | | 500.00 | |
| D. G. Leighton | 4 days @ \$185. | | 740.00 | |
| | | | <u>3,102.50</u> | |
| Benefits | - 12% | \$372.30 | | |
| Contract charges | - 18% | <u>558.45</u> | <u>930.75</u> | \$4,033.25 |

Disbursements:

| | | | | |
|---|---------------|---------------|---------------|-------------------|
| Whonnock Industries Ltd. | | | | |
| | Room & board | 789.20 | | |
| | Truck rental | <u>60.00</u> | 849.20 | |
| R. Bilquist - truck rental | | | 165.00 | |
| Bondar-Clegg & Co. | | | 361.00 | |
| Minister of Finance - C/W Le Mare 1 & 2 | | | 80.00 | |
| Secretarial, accounting & photocopying | | | 375.00 | |
| Telephone | | | 6.19 | |
| Expense accounts: | R. Bilquist | \$199.63 | | |
| | | <u>138.08</u> | 337.71 | |
| | R. Beaty | | 120.30 | |
| | D.G. Leighton | | <u>250.06</u> | <u>708.07</u> |
| | | | | <u>2,544.46</u> |
| | TOTAL | | | <u>\$6,577.71</u> |

DISPOSITION:

*Above expenditures divide approx.
equally between LEMARE-1 & LEMARE-2*

D.G. Leighton

Project(s)

Code

Client(s)

1 NATH ISLAND - LeMare
 2
 3
 4
 5

.....

.....

PAY

Sept. 1980

| Name/Project | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Time Total | Rate | Amount |
|---------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|------|--------|
| <u>REN BIJQUIST</u> | | | | | | | | | X | | X | X | X | X | X | X | X | X | X | | | | | | | | | | | | | 10 | 85/D | 850.00 |
| <u>N. ISLAND</u> | | | | | | | | | T | | P | P | P | P | P | P | P | P | T | | | | | | | | | | | | | | | |
| <u>KELLY ALLEN</u> | | | | | | | | | X | | X | X | X | X | X | X | X | X | X | | | | | | | | | | | | | 10 | 50/D | 500.00 |
| <u>N. ISLAND</u> | | | | | | | | | T | | P | P | P | P | P | P | P | P | T | | | | | | | | | | | | | | | |

CLASSIFICATIONS

- A Airphoto Work
- B Budget
- C Compilation/Drafting
- D Drill Supervision
- E Expediting
- F Line Cutting/Surveys
- G Geological (Mapping)
- H Geochemical (Sampling)
- I Geophysical (Surveys)
- J Trenching
- K Cooking/Camp
- L Logging Core
- M Mobilization/Demobilization
- N General Supervision
- O Data Analysis
- P Prospecting
- Q Consultation
- R Research
- S Staking
- T Travel
- U Underground Surveys
- V Property Examination
- W Legal
- X Accounting
- Y Secretarial/Office
- Z

TOTALS

1350.00

BENEFITS: includes; W.C., U.I.C. & Insurance% Salary To

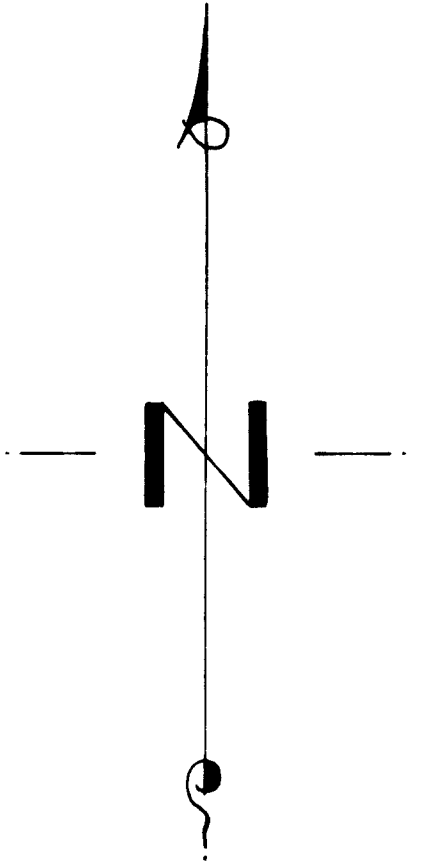
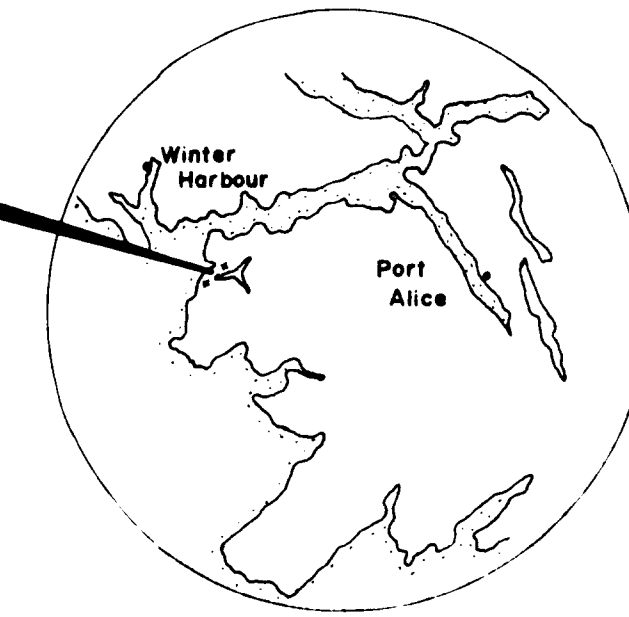
REMARKS;

PREPARED BY:

Ren Bijquist

APPROVED

LE MARE 1 & 2
CLAIMS



HARVEY
COVE

Culleer
Creek

Le Mare 2
L.C.P.

Le Mare 1
L.C.P.

Le Mare Lake

CLEAGH CREEK CAMP APPROX. 10 Km.

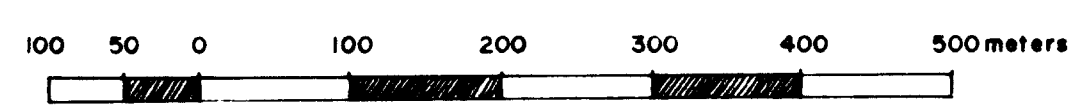
ZONE OF MINERALIZATION
(Copper, Zinc, Iron Pyrites)

ZONE OF MINERALIZATION
(Copper, Iron Pyrites)

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8593

LEGEND

- Claim lines, legal corner post
- Mineral occurrence
- Sample number and result
- Logging road
- Cliff



D. G. LEIGHTON AND ASSOCIATES

LE MARE 1 & 2
SAMPLE LOCATIONS
& RESULTS

SCALE: 1 CM. = 50 M. DRAWN BY: RON BILQUIST

BRLM 22 - Cu 0.101%
BRLM 20 - Chp - Cu 0.30%
BRLM 18 - Cu 0.20%
Zn 4.60%
BRLM 19 - Cu 0.04%
BRLM 23A - Cu 1.40%
Tr. Cu

BRLM 23 - Cu 0.02%

Tr. Cu

Tr. Cu

Tr. Cu

Tr. Cu

BRLM 1 - Cu 0.01%

BRLM 6 - Cu 0.03%
BRLM 7 - Chp - Cu 0.13%
BRLM 5 - Cu 0.49%
BRLM 2 - Chp - Cu 0.14%
ARLM 1 - Chp - Cu 0.05%

BRLM 24 - Cu 0.47%
BRLM 25 - Cu 0.01%
BRLM 26 - Cu 0.30%

Sample BRLM 7-17
100 meter intervals