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REPORT ON THE MILLIE CLAIMS
PITT LAKE
NEW WESTMINSTER MINING DIVISION
FOR
YUKON GOLD PLACERS, LIMITED
BY
J. W. HOGAN, B.A.Sc., P.Eng.

L. J. Manning & Associates Ltd.,
310 - 890 West Pender Street,
Vancouver 1, B. C.

April 24, 1972

98GSE017-07
PROPERTY FILE

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Certificate of Qualifications - J. W. Hogan

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Figure 1: Claim Location and Regional Geology

Figure 2: Property Sketch Geology

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April 24, 1972

The President and Directors,
Yukon Gold Placers, Limited,
420 - 890 West Pender Street,
Vancouver, B. C.

Dear Sirs:

The following report on the Yukon Gold Placers, Limited Pitt Lake property is based on a study of all available data from Government and other publications and on a visit to the property.

SUMMARY AND RECOMMENDATIONS:

Yukon Gold Placers, Limited hold four claims in the Pitt Lake area, B. C. Recent prospecting has located ultra-basics with associated chalcopryite, pyrrhotite and Pentlandite (?) mineralization. This is a similar environment to the Giant Mascot Mine at Hope, B. C. which at September 30, 1970 had reserves of 1,382,002 tons @ 0.87% Ni - 0.44% Cu. It is recommended that a two phase program be undertaken on the Millie Group to attempt to locate significant nickel-copper mineralization.

Phase I:

Mapping, Magnetometer survey and
x-ray drilling \$15,000

Phase II:

Diamond Drilling \$40,000

CLAIMS:

Yukon Gold Placers, Limited hold four claims in the Pitt Lake area, New Westminster Mining Division, B. C.

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>	<u>Recorded Owner</u>
Millie	23631E	May 29/72	J. Ritlop
April	23632E	May 29/72	J. Ritlop
May	26951M	Sept. 22/72	J. Ritlop
June	26952M	Sept. 22/72	J. Ritlop

The writer has examined two post locations and has found them to be in accordance with the British Columbia Mineral Act.

LOCATION AND ACCESS:

The claims (92 G 7E - 49°26' - 122°35') are on the west shore of Pitt Lake due west of Goose Island.

Access is by boat from Pitt River which empties into the Fraser River. Pitt Lake is tidal.

HISTORY:

The only mineral showings in the immediate area (1½ miles south of the Millie claims) are on the old Standard Group which consist of quartz-filled fissure veins in Quartz Diorite. Sulfides are pyrite, chalcopyrite and galena, and are erratically distributed with values up to 1.28 Oz. Au/ton per 1.0' true width. At the time of the work on these claims (1945-1950) an adit was sampled on the present Millie claims. This adit was driven north-west from the lake level for 80' on a similar structure. Gold assays were negligible.

To the best of the author's knowledge, the only other recent work performed to date on the Millie claims has been some trenching last year northwest and higher in elevation than the above mentioned adit.

GENERAL GEOLOGY:

The area is mapped by the Geological Survey of Canada (Map 1151 A) as being underlain by Coast Plutonic Rocks of mainly Upper Jurassic Age; and ranging from granite to gabbro in composition.

Most of the prospects in the area are in pendant rocks, with very few (e.g. the Standard Group) being in an intrusive host.

PROPERTY GEOLOGY AND MINERALIZATION:

The property is mainly underlain by hornblende diorite. Intruding and/or associated with the diorite are ultrabasic rocks comprising hornblendite, peridotite and pyroxenite. Ultrabasics observed by the writer were mainly rubble, while actual outcrops were restricted to small exposures on the edges of larger diorite outcrops. There are about 30% outcrop exposures in the area of the Ultrabasics.

A deeply incised canyon cuts N20°W through the property and possibly represents a major fault as evidenced by a sub-parallel fracture pattern in adjacent outcrops.

Mineralization in the ultrabasics consists of chalcopyrite, pyrite, magnetite, pyrrhotite and possibly pentlandite as streaks and disseminations. Two grab samples taken by the writer returned 0.18% Cu - 0.14% Ni and 0.17% Cu - 0.21% Ni. A cold extractable assay on the 0.21% Ni returned 0.17% Ni as sulfides and 0.04% Ni as silicates. All mineralized specimens give a strong dimethylglyoxime test, and are medium to strongly magnetic.

The paucity of outcrops does not allow for any attitude or size determination of the ultrabasic rocks.

Although ultrabasics have not been mapped to date on the Pitt Lake Map sheet, their occurrence around Harrison Lake (East shore) and also immediately south of the 49th parallel in Washington State on a northwest trend projecting to Pitt Lake suggests that the ruggedness of the country may have been the determining factor in the absence of locating ultrabasic rocks and that more detailed exploration should locate additional showings.

CONCLUSIONS:

The Millie Claims are partly underlain by ultrabasic rocks containing chalcopyrite-pyrrhotite and pentlandite (?). This is a similar environment to the now producing Giant Mascot Mine at Hope, B. C. which, since 1958, has produced 3,500,000 tons of ore with reserves of 1,382,002 tons @ 0.87% Ni - 0.44% Cu at September 30, 1970. This similar environment suggests that exploration should be undertaken on the Millie claims.

RECOMMENDATIONS:

A two phase exploration program is recommended for the Yukon Gold Placers, Limited claims at Pitt Lake, B. C.

Phase I:

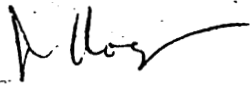
- Line Cutting - 100' Line Spacing 16 miles @ \$100/mile	\$ 1,600
- Detailed Mapping	1,000
- Magnetometer Survey - 50' stations 16 miles @ \$100/mile	1,600
- Bulldozer Trenching - 50 hrs. @ \$50/hr. (Including mobilization & demobilization)	2,500
- Sampling and Assaying	500
- Diamond Drilling - 500' x-ray @ \$10/ft (includes mobilization & demobilization, supervision, assays, etc.)	5,000 1,000
- Engineering	1,000
- contingencies	<u>1,800</u>
	\$ 15,000

Phase II:

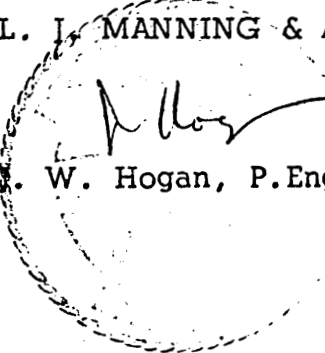
- Allow 2,000' of diamond drilling
@ \$20/ft. \$ 40,000
(includes mobilization, demobilization
supervision, assays, etc.

Respectfully submitted,

L. J. MANNING & ASSOCIATES LTD.



W. Hogan, P.Eng.



BIBLIOGRAPHY:

- Canadian Mines Handbook - 1971-1972
- Western Miner - September 1971
- G.S.C. Memoir 335 - Vancouver North, Coquitlam and Pitt Lake Areas, B. C. - J. A. Roddick
- G.S.C. Map 1151A - Pitt Lake - J. A. Roddick
- G.S.C. Map 737A - Hope - C. E. Cairnes
- Washington Department of Conservation - Division of Mines and Geology - Geological Map of Washington 1961.
- G.S.C. Paper 69-47 - Hope
- Unpublished data

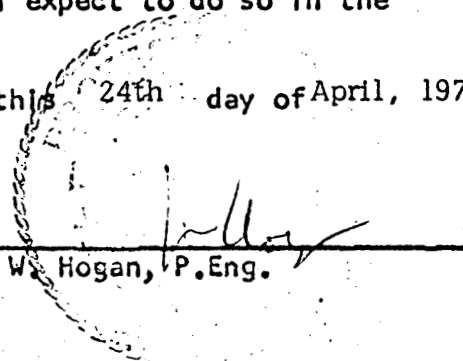
L. J. MANNING & ASSOCIATES LTD.

CERTIFICATE OF QUALIFICATIONS

1. John W. Hogan, P.Eng., Geological, of 859 Prospect Avenue, North Vancouver, B. C., certify as follows:

1. That I graduated from the University of British Columbia in 1953 with a Bachelor of Applied Science Degree in Geological Engineering.
2. That I have been a professional engineer since 1956.
3. That I have been engaged in the profession of Geological Engineering for 15 years.
4. That from 1954 to 1956, I was employed as a geologist at Pronto Uranium Mines and Rix Athabasca
5. That from 1956-1960, I was Mine Geologist at Can-Met Explorations Ltd.
6. That from 1960-1966 I was a Project Geologist for Denison Mines Ltd. in Ireland and Maine, U.S.A.
7. That from 1966-1969 I was Western Representative for Denison Mines Ltd.
8. That I am presently an Associate in the firm of L. J. Manning & Associates Ltd., Vancouver, B. C.
9. That the report on the Yukon Gold Placers, Limited Pitt Lake property is based on a study of all available data from Government and other publications and on a visit to the property.
10. That I do not hold any financial or any other interest in the properties or stock of Yukon Gold Placers, Limited or any of its affiliates, nor do I expect to do so in the future.

Dated at Vancouver, British Columbia this 24th day of April, 1972



J. W. Hogan, P.Eng.



MILLIE CLAIMS - NI-CU
 GIANT MASCOT MINE - NI-CU

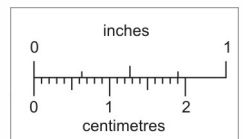
123° 122° 121° 120°
 WASHINGTON, U.S.A.

YUKON GOLD PLACERS, LIMITED
 CLAIM LOCATION & REGIONAL GEOLOGY
 PITT LAKE AREA, B.C.

SCALE: 1" = 20 MILES J.W.H. APRIL 72
 L.J. MANNING & ASSOCIATES

LEGEND

- 7 ULTRABASICS ONLY
- GEOLOGY MAP - G.S.C. 932A
- AGE - PRE-MIDDLE DEVONIAN TO LATEST CRETACEOUS
- G.S.C. PAPER - 69-47
- WASHINGTON STATE - MAP 194
- AGE - PRE-TERTIARY



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DE-FUCA STRAIT CANADA U.S.A.
 William Hd. Beechey Hd.

DRAWING NO 1

LEGEND & SYMBOLS

- H₄ - HORNBLLENDE GRANODIORITE
- h₄ - GRANODIORITE - HORNBLLENDE > BIOTITE
- B₃ - QUARTZ DIORITE - BIOTITE > HORNBLLENDE

REVISED FROM: C.S.C. MAP 1151A

- ⊗ - LOCATION OF ULTRABASIC ROCKS WITH ASSOCIATED COPPER-NICKEL MINERALIZATION

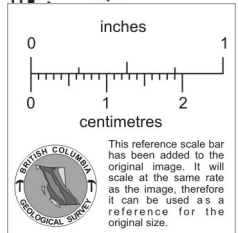


YUKON GOLD PLACERS, LIMITED
 PROPERTY SKETCH GEOLOGY
 PITT LAKE AREA, B.C.

APRIL 1972

SCALE: 1" = 1 MILE. J.W.H.
 L.Z. MANNING & ASSOCIATES

DRAWING NO. 2



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