

NAME OF PROPERTY

NAHWITTI LAKE (H.P.H.)

OBJECT LOCATED - H.P.H. showing, Fig. 29.

UNCERTAINTY IN METRES 250. Lat. 50°41'40" Long. 127°47'25"

Mining Division Nanaimo District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

Giant Explorations Limited.

DESCRIPTION OF DEPOSIT

The claims are underlain by Triassic Quatsino Limestone, older Karmutsen andesitic and basaltic lavas, and younger Bonanza sediments, tuffs, and lavas. The volcanic and sedimentary rocks are intruded by diabase and felsite dykes, and by younger monzonites which are believed to be a part of the Coast Range Intrusions.

The bedded rocks strike generally north of west and dip gently southward. The Quatsino Limestone is displaced along a mylonite zone striking north 25 degrees west; north-striking faults also have been recognized.

The showings occur in grey to black fine-grained limestone, frequently silicified. The principal limestone bed, estimated to be at least 500 ft. thick, strikes westerly and dips from 35° or less to 65° south. To the south at the top of the ridge the limestone is interbedded with and overlain by tuffs and andesites.

About  $\frac{3}{4}$  of a mile south of the showings the aforementioned rocks are intruded by a large body of granodiorite or diorite.

Associated minerals or products - Zinc, silver.

p.t.o. ....

HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located on the south side of the Nahwitti River about 6,000 feet east of the east end of Nahwitti Lake at an elevation of about 700 feet.

The showing was discovered by Messrs. Heppler, Pugh, and Hicklenton in June 1930 and the H.P.H. Nos. 1-8 claims were staked at that time. Two other groups, the Annex of 13 claims, and the U Can of 4 claims, were subsequently staked adjoining and added to the original group.

The American Smelting & Refining Company optioned the property later in the year and began development work. Considerable stripping and open cutting was done and a 25 foot deep shaft was sunk on the largest showing. A cross-cut adit was driven 111 feet at a depth of about 25 feet below the bottom of the shaft. A second shaft was sunk 12 feet vertically and then inclined for 30 feet, encountering an open cave about 2 feet wide which was followed another 30 feet. The work proved disappointing and the option was dropped late in 1931.

During 1932 the owners prospected to the west of the original discovery and at a distance of about 2,000 feet uncovered more showings. The property was under option to W.G. Dickinson & Associates in 1936 but no development work was reported.

Giant Explorations Limited, which was incorporated in 1965 with Giant Mascot Mines, Limited holding a controlling interest, optioned 42 claims from Messrs. Hepler and Pugh and with additional staking expanded the property to 111 claims. Exploration work during the period 1966-1973 included geological mapping, geochemical, magnetometer, induced potential and airborne electromagnetic surveys, trenching, and 4,733 feet of diamond drilling in 38 holes. Assessment Report No. 870 for Giant Explorations in 1966 reported an estimated potential of 50,000 tons, no grade stated (BCDM MI 92 L - 242).

The property was owned in 1979 as the Gold (12 units) and Dust (3 units) by N.J. Kvenich and included the St. Clair (92 L-75) property on Mead creek. Lorede Resources Ltd. held an option on the property in 1979-80; work included geological mapping, a geochemical survey (71 samples), and 1143 m X-ray diamond drilling. Daiwan Engineering carried

con't card 2

DESCRIPTION OF DEPOSIT (continued)

There are a few sills, dykes, and irregular bodies of aplite, feldspar, and augite andesite in the limestone. Locally the limestone is considerably jointed and fractured. Evidence of definite structural control is lacking, the mineralization occurring in irregular patches or lenticular zones.

The largest showing has an indicated length of 125 feet or more and a width of from a few inches to about 12 feet. Though irregular in outline, cross section, and intensity of mineralization, it has an approximately tabular or pipe-shaped form pitching somewhat flatly to the west or southwest.

Mineralization consists essentially of galena and sphalerite in a gangue of dark grey limestone and black silicified limestone with a minor development of pyrrhotite, pyrite, and chalcopyrite in a few places.

An assay over a width of 8 feet gave values of 2.48 ounces silver, .60% lead and 2.06% zinc.

REFERENCES

Reports of Minister of Mines, British Columbia: 1930, pp. 297-298 ++ ; 1931, p. 171; 1932, p. 207; 1936, pp. F47-52 +++ ; 1965, p. 227; 1966, p. 63; 1968, p. 95.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 263; 1971, p. 323; 1972, p. 306; 1973, p. 261.

Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-Area; Paper 74-8, pp. 60, 67, Geol. Surv. of Canada, 1974.

+Gunning, H.C.; H.P.H. Group, Nahwitti Lake, Vancouver Island, B.C.; Summary Report 1931, Pt. A, pp. 36-45, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "Giant Explorations Limited"; "Giant Mascot Mines, Limited"; "QPX Minerals Inc."

Exploration in British Columbia; BCDM: 1979, p. 191; 1980, p. 275; 1984, p. 247; 1987, p. C224.

MAP REFERENCES

#Preliminary Geological Map, Rupert Inlet-Cape Scott Area, Sc. 1":2 miles, Fig. 29, Geology, Exploration, and Mining, British Columbia Dept. of Mines, 1970.

Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

H.P.H. Group, claim map, Rept. of Minister of Mines, British Columbia, 1930, p. 293.

\*Map 92 L/12, Quatsino, (Topo.), Sc. 1:50,000.

Map 1734 G, Quatsino, (Aeromag.), Sc. 1":1 mile.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	12-78	08-88					

PRODUCT  
PRODUIT

LEAD

PROVINCE OR  
TERRITORY

PROVINCE OU  
TERRITOIRE

British Columbia

CARD 2  
N.T.S. AREA 92 L/12  
RÉGION DU S.N.R.C.

REF.  
RÉF. PB 1

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

NAHWITTI LAKE (H.P.H.)

**HISTORY OF EXPLORATION AND DEVELOPMENT (con't)**  
**HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR**

out prospecting and rock sampling in 1984. In 1987, Hisway Mining Corp. carried out Mag, VLF EM and Radiometric surveys over 0.4 km. A reserve of approximately 10 000 tonnes is proven (Exploration in British Columbia, 1987, p. C224).

QPX Minerals Inc. acquired the property in 1988.