

NAME OF PROPERTY

PELLAIRE (HI DO)

OBJECT LOCATED

Workings, Fig. 4, Orcan Report.

UNCERTAINTY IN METRES 300.

Lat. 51°05'50" Long. 123°36'17"

Mining Division Clinton District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

Lord River Gold Mines Limited.

DESCRIPTION OF DEPOSIT

The underlying rocks, as indicated on Map 29-1963 are Cretaceous volcanics and sediments at the contact with Upper Cretaceous and/or Later granodiorite and diorite of the Coast Range batholith. A series of quartz veins strike northeasterly in the granitic rocks and dip steeply northwest towards the contact. The veins are numbered 1 to 5 from south to north. No. 3 vein where exposed at surface and underground is about 20 feet wide; a trench assay gave 0.23 oz/ton gold across 20.6 feet. Surface sampling on No. 5 vein averaged 1.61 ozs gold over a width of 1.7 feet for a length of 150 feet.

As reported by Warren, 1947, the veins carry less than 3% of metallic minerals which include, in approximate order of abundance, pyrite, chalcopyrite, galena, sphalerite, arsenopyrite, tetrahedrite, hessite, altaite, pyrrhotite, magnetite, bornite, gold, tetradyomite, cosalite, antimony and wehrlite. The hessite, which carries the bulk of the precious metal, occurs veining quartz, pyrite, and chalcopyrite, and as disseminations in

p.t.o.

Associated minerals or products - Silver, copper.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 7,500 foot elevation on the southeast side of Falls River approximately 5 miles southwest of Upper Taseko Lake.

Mineralized float and vein outcrops, some containing high gold values, were discovered by A. Pelletier and A.J. Allaire in the summer of 1936 and 13 claims were staked over the showings. In 1937 trenching and stripping was carried out and an adit was begun on No. 5 vein. Mr. Pelletier and associates incorporated Hi Do Gold Mines, Limited in December of that year. The adit was extended to a length of 88 feet in 1938.

Quebec Gold Mining Corporation optioned the property in 1944 and additional staking was done to a total of 80 claims. In February 1945 the company incorporated Pellaire Mines, Limited to take over and develop the property. Work during 1945 included trenching, sampling, and 1,453 feet of diamond drilling in 3 holes on Nos. 4 and 5 veins. Underground work began in August 1946 and 6 adits were driven comprising 2,955 feet of drifts and crosscuts. This work included 418 feet of drifting in one adit on No. 1 vein, and 723 feet in one adit on No. 3 vein. On No. 4 vein 78 feet of crosscut and 707 feet of drifting was done in an upper adit, and 146 feet of drifting in a lower adit some 100 feet below the upper adit. On No. 5 vein 2 drift adits, about 80 feet apart vertically, were driven 651 feet and 232 feet respectively. Operations ceased in October 1947. Indicated reserves were reported at 34,000 tons averaging 0.50 oz gold per ton (NM 15/12/60).

Silver Standard Mines Limited acquired the property in about 1956 and transferred it to a subsidiary company Lord River Gold Mines Limited in 1973. The property at that time comprised the HI 1-4, AU 1-24, and AU 25 Fr. claims. Work by the company during 1973 included geological mapping, stripping, and resampling of one of the veins.

E & B Explorations Inc in 1980 optioned a 50% interest in the property from Lord River Gold Mines. Reserves were reported as 34,000 tons at 0.67 oz/t Au, 2.0 oz/t Ag (inf. geol. (Consolidated Silver Standard Mines, 1985 AR)). A new low-level crosscut adit was driven to No. 4 vein in 1981. The Silver Standard Mines interest in Lord River Gold Mines was reduced from 65.9% in 1980 to 41.4% in 1982. The above reserves are reported as "inferred geological" (Consolidated Silver Standard, 1985 AR).

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa

DESCRIPTION OF DEPOSIT (continued)

these minerals and in galena, tetradymite, and wehrlite. Some of the gold is residual and has been left behind in veins and pockets after the hessite with which it was formerly associated has been altered and removed.

A series of quartz veins cut metavolcanics where they form a fault-controlled embayment into granodiorite of the Coast Plutonic Complex.

REFERENCES

Warren, Henry V.; A New Type of Gold Deposit in British Columbia; Transactions of the Royal Society of Canada, Third Series; Section IV, Vol. XLI, Ottawa, 1947.

Reports of Minister of Mines, British Columbia: 1937, p. F-6 + ; 1938, p. F-67; 1944, p. 56; 1945, p. 83; 1946, p. 95; 1947, p. 128 ++ .

Mineral Policy Sector; Corporation Files: "Pellaire Mines Limited"; "Quebec Gold Mining Corporation"; "Silver Standard Mines Limited"; "Lord River Gold Mines Ltd."; "Imperial Metals Corporation".

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1973, p. 267.

Exploration in British Columbia; BCDM: 1980, p. 289.

Geological Fieldwork; BCDM: 1985, p. 273; 1986, p. 242.

Report on the Pellaire property, Orcan Mineral Associates Ltd., 1986, in Lord River Gold Mines Ltd. Prospectus, 11/06/87.

George Cross News Letters: 1987, No. 124, 186; 1988, No. 6.

MAP REFERENCES

#Map 29-1963, Taseko Lakes, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

*Map 92 0/4, Tchaikazan River, (Topo.), Sc. 1:50,000.

Geology of the Chilko-Taseko Lakes area, Fig. 41-1, Geological Fieldwork, 1985, p. 266.

Pellaire property, Claim map, Sc. 1: 50 000 and Geology, Sc. 1: 20 000, accomp. Report by Orcan Mineral Associates.

REMARKS

Comp./Rev. By	DMacR	DMacR	DMacR	DMacR			
Date	12-78	11-83	05-86	08-88			

PRODUCT GOLD
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE British Columbia

CARD 2
N.T.S. AREA 92 0/4
RÉGION DU S.N.R.C.

REF. Au 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

PELLAIRE (HI DO)

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

Imperial Metals Corporation, by way of a merger in 1983, acquired E&B Explorations Inc. Imperial transferred its 50% interest in a joint venture with Lord River Gold to Cathedral Gold Corporation on its incorporation in April 1987. Work that year included 4380 feet of diamond drilling in 11 holes and 160 feet of drifting on No. 4 vein from the 731 level crosscut adit. Proven and probable reserves were reported as 34,000 tons at 0.167 oz/t Au, 2.34 oz/t Ag; possible reserves, 40,000 tons at similar grade (Skerl, 1947) (Orcan Mineral Assoc. Ltd., 1986, in Lord River GML, Prospectus 11/06/87).