

NAME OF PROPERTY

HEDLEY MASCOT

OBJECT LOCATED - Mascot Fraction claim (Lot 642).

UNCERTAINTY IN METRES 300. Lat. 49°22'30" Long. 120°02'10"

Mining Division Osoyoos District Similkameen

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The property is underlain by a westerly dipping succession of Upper Triassic argillite, limestone, and volcanic rocks of the Nicola group. These rocks are intruded by nearly an equal volume of gabbro, quartz gabbro, augite, and porphyries in the form of sheets and to a lesser extent as dykes.

The calcareous rocks have locally been metamorphosed to a massive aggregate of pyroxene and garnet. The ore consists of gold-bearing arsenopyrite in a gangue of metamorphic silicates. Chalcopyrite and pyrrhotite are common.

The Mascot orebody is a segment of the Nickel Plate orebody and following its westerly plunge passes out of the Mascot Fr. claim at the 4,300 level and into the Morning claim. The controlling structure was located beyond the western limit of the Morning claim and the 3,700 level was driven 630' to the continuation of the orebody on the Nick of Time claim. Altogether on the 3,700 level, or in holes drilled from it, eight showings in addition to the Nick of Time orebody were discovered with assay values ranging from 0.24 to 1.6 ozs/t Au.

Associated minerals or products - Silver, copper.

see Card 2

HISTORY OF EXPLORATION AND DEVELOPMENT

The Mascot Fraction, the key claim of the Hedley Mascot property, is located at the 5,500 foot elevation on the steep westerly slope of Nickel Plate Mountain, 2 miles north-east of Hedley. The claim is surrounded on all sides by claims of the Nickel Plate property (92 H/8, Au 2) and the Nickel Plate orebody was found to extend through the claim.

The Mascot Fraction, comprising 17.2 acres, was staked by Duncan Woods in about 1900. By the end of the following year the whole of the mountain had been staked. Mining operations at the Nickel Plate were carried out to the borders of the Mascot Fr. prior to 1930 but terms agreeable to both Mr. Woods and the company owning the Nickel Plate could not be arranged.

In 1933 Vancouver interests reached an agreement with Mr. Woods which called for the optioning of the nearby Copper Chief (Lot 199), Nick of Time (Lot 667), and Eagles Nest (Lot 844) claims from their respective owners, and the formation of a company to develop the property. Hedley Mascot Gold Mines, Limited was incorporated in June 1934 to acquire the above claims and 31 other Crown-grants.

Development work began in the main cross-cut adit at the 4,800' level, which was driven from the Copper Chief claim to a length of 2,500 feet. A 150 ton-per-day mill, connected to the main adit by a 3,600' aerial tramway, was put into operation early in 1936. By 1939 the 4,300' level adit had been driven 1,600 feet to the orebody from the Nick of Time claim. Levels were established over a vertical distance of 900 feet. Wartime labour shortages forced the closing of the mill from September 1943 until March 1944. At that time the 3,700' level was driven from the Zeerust claim to explore the Florence and Nick of Time claims; the adit was extended to a length of 3,300 feet in 1946. A 27° incline begun on the Copper World Fr. in 1945 was driven northeast-erly into the Eagle Nest claim for a total length of 1,805 feet by 1946. A winze was sunk from the 3,700 level to prospect the downward extension of the Mascot ore zone into the Nick of Time and Copper Chief claims. A zone containing an estimated 11,000 tons was blocked out but the operation appeared to be uneconomic and work was discontinued (Hedley Mascot 1949 AR). Milling operations were suspended from July 3, 1946 until April 1947. The mine closed in April 1949 and the equipment was removed. All ore produced came

see Card 2

HISTORY OF PRODUCTION

From 1936 to 1949, 682,355 tons of ore were milled from the Mascot Fraction claim. From this ore 233,032 ounces of gold, 54,882 ounces of silver, and 1,919,832 pounds of copper were recovered.

REFERENCES

Reports of Minister of Mines, British Columbia:

1931, p. 133; 1934, p. D 18; 1935, pp. D 11, G 46; 1936, p. D 4; 1937, pp. D 3, D 30; 1938, p. D 33; 1939, p. 75; 1940, p. 61; 1941, p. 59; 1942, p. 57; 1943, p. 62; 1944, p. 57; 1945, p. 92; 1946, p. 124; 1947, pp. 139-142⁺; 1948, p. 123; 1949, p. 131.

⁺⁺Rice, H.M.A.; Geology and Mineral Deposits of the Princeton Map-Area; Memoir 243, p. 72, Geol. Surv. of Canada, 1947.

Billingsley, P. and Hume, C.B.; The Ore Deposits of Nickel Plate Mountain; The Canadian Institute of Mining and Metallurgy, Transactions, Vol. XLIV, 1941, pp. 524-590.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1936, Rept. 605, pp. 179-190 (No. 748); 1936, Rept. 776, p. 199.

The Hedley Mascot Operation; The Miner, July 1927, pp. 30-34.

Mineral Policy Sector; Corporation Files: "Hedley Mascot Gold Mines, Limited"; "CM Resources Limited"; "Newhawk Gold Mines Ltd."; "Good Hope Resources Ltd."

Geological Fieldwork, British Columbia Dept. of Mines: 1986, pp. 65-79.

George Cross News Letters: 1984, No. 49, 224; 1985, No. 55; 1986, No. 150, 223; 1987, No. 17, 28, 59, 134, 136; 1988, No. 41.

MAP REFERENCES

Map 888 A, Princeton, (Geol.), Sc. 1":4 miles - accomp. Memoir 243.

Map 568 A, Hedley, (Geol.), Sc. 1":1 mile, Geol. Surv. of Canada.

Plan of Hedley Mascot claims, Sc. 1":700' (approx.).

Map 8526 G, Hedley, (Aeromag.), Sc. 1":1 mile.

#Map 92 H/8, Hedley, (Topo.), Sc. 1:50,000.

Geology of the Hedley Area, Sc. 1 cm: 1 km, Fig. 2-10-1, Geological Fieldwork, 1986, p. 66.

REMARKS

Comp./Rev. By	DMacR	DMacR	DMacR				
Date	03-80	02-82	06-88				

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HEDLEY MASCOT

DESCRIPTION OF DEPOSIT (continued)

The orebody found on the 3,700 level on the Nick of Time claim appears to be a manto-type deposit localized between two Mine Sills in the crotch formed by the sills and the north wall of the Central Dyke. In a length of 27 feet, exposed in 3,701 drift, the thickness decreases from 8 feet at the Central Dyke to $2\frac{1}{2}$ feet at the north face of the drift. Beneath the sill, which forms the foot-wall of the main orebody, another mineralized zone occurs; it, however, is less than 2 feet thick. The ore is very hard fine-grained greenish skarn containing coarsely crystalline arsenopyrite, both as disseminated crystals and as discontinuous lenticular masses.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

from the Mascot Fr. The option on the Nick of Time and Copper Chief claims was dropped in 1949 because the terms of the agreement could not be met. During that same year the company renewed for 5 years its option on the Florence Fr., Little Pittsburg, Whale Fr., Bullion Beck Fr., and Eagles Nest claims.

Giant Mascot Mines, Limited was incorporated in June 1950 to merge the assets of Hedley Mascot Gold Mines, Limited and Silver Giant Mines, Limited. The Hedley Mascot mill was moved to the Silver Giant property near Spillimacheen. In 1953 the 44 claim Hedley Mascot property was sold to Nighthawk Gold Mines, Limited, in which Giant Mascot owned a controlling interest. In 1960 the controlling interest was sold to W.R. Wheeler and associates. The company name (Nighthawk) was changed to Highpoint Mines Limited in 1966, to Highhawk Mines Limited in 1972, and to Newhawk Gold Mines Ltd. in 1979. By a November 1979 agreement Newhawk sold the property to James Ball, who transferred the agreement to Good Hope Resources Ltd.

Placer Development Limited held an option from January 1984 to July 1986 on several properties held by Good Hope, including the Hedley Mascot. Good Hope in October 1986 amalgamated with Golden North Resource Corporation under the latter name. Mascot Gold Mines Limited managed, and an associate company financed a drilling program to acquire a controlling interest in Golden North. Underground diamond drilling in 1987 totalled 12,246 feet in 34 holes. Reserves were estimated at 514,000 tons of open pit material grading 0.11 oz/t Au and 319,500 tons underground grading 0.16 oz/t Au (George Cross News Letter, February 29, 1988). These reserves will be integrated into the Mascot North pit.