

NAME OF PROPERTY **GOODENOUGH**

OBJECT LOCATED - **Adit.**

UNCERTAINTY IN METRES **100.** Lat. **49°19'10"** Long. **117°11'**

Mining Division **Nelson** District **Kootenay**

County _____ Township or Parish _____

Lot _____ Concession or Range _____

Sec _____ Tp. _____ R. _____

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The formation consists of argillite, argillaceous quartzite, and schist of the Ymir group, intruded by granitic tongues from the Nelson batholith and by several lamprophyre dykes. The bedding strikes roughly northeast and dips steeply northwest. The fissure veins strike about north 60° east and dip 50 to 70° northwest, cutting the bedding planes at acute angles. Towards the northeast the vein branches to form a shear zone 30 to 40 feet wide, in which numerous cross-veins branch out at intervals from the two main quartz-filled fractures which are situated on the hanging and foot-wall sides of the shear zone. Granite is in evidence at numerous points underground and the better grade ore-shoots are apparently localized at or near the granitic intersections. Faulting in the plane of the vein has taken place as evidenced by various fractures and gouge zones and the elongate, lenticular shape of the ore-shoots. At least four ore-shoots, from 40 to 100 feet long were found in the upper workings. The lenticular ore-bodies, which vary in width from a few inches to 7 feet, are intersected by numerous faults, see Card 2

Associated minerals or products of value - Silver, lead, zinc, cadmium.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 4,000 foot elevation on the north side of Ymir Creek, 3 miles northeast of Ymir.

The Goodenough Fractional claim was staked in June 1898 by Alex Gayette. Development work in shaft sinking to a depth of about 65 feet was carried out in 1899 under the name Ymir Gold Mining Company. There is no record of this company as a Canadian incorporation.

By 1917 the Goodenough Fr. (Lot 13025) and Surprise claims were owned by O.A. Lovell and O. Poulin. In about 1921 owners Lovell, McDonald, and associates began development work on the property, which then consisted of the Goodenough, Demaricott, and Little Nell claims. An adit was driven about 135 feet. Early in 1924 P.J. O'Brien, of Kettle Falls, Washington, optioned the property and development work continued.

The Porcupine Goldfields Development & Finance Company, Limited, optioned the property in 1925 and began development work in a new adit. The option was given up near the end of 1926. Mr. O.D. Firth who was manager for the above company optioned the property and in July 1927 incorporated Goodenough Mines, Limited. A third adit was begun during the year.

Enterprise Consolidated Mining Company, Limited, optioned the Goodenough and adjacent Ymir (82 F/6, Au 9) properties early in 1928. Several hundred feet of development work was done in the lower adit before the option was given up. The owners, Jackson, McDonald, and associates, then resumed development work in the upper levels. Small amounts of ore were shipped to Trail, the ore commanding a very favourable smelting rate due to the high silica content. A new surface discovery in 1930 was explored by a new (No. 4) adit. During the 1928-1932 period the owners shipped about 9,000 tons of ore.

J.F. Coats, of Vancouver, acquired the property near the end of 1932 and incorporated a private company Ymir Gold Mines, Limited. The adjoining Ymir property was optioned. Some development work was reported in 1933-34. Ymir Consolidated Gold Mines, Limited, was incorporated in September 1934 to acquire and operate the Ymir and Goodenough properties. A 125 ton-per-day mill was installed at the Ymir property in 1925 and operated from July to November, milling ore from both properties; the Goodenough ore was trucked to see Card 2

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

503797 *

HISTORY OF PRODUCTION

From 1898 to 1973 production listed under the name Goodenough (Protection, 1944-1953) (and Ymir, 1970) totalled 16,745 tons of ore milled or shipped from this property. From this ore 10,685 ounces of gold, 83,089 ounces of silver, 1,520,137 pounds of lead, 1,565,216 pounds of zinc, and 1,134 pounds of cadmium were recovered.

MAP REFERENCES

#Preliminary Map 51-4 A, Ymir, (Geol.), Sc. 1": $\frac{1}{2}$ mile - accomp. Paper 51-4.

Map 1144 A, Ymir, (Geol.), Sc. 1":1 mile (1964).

Map 175 A, Ymir, (Geol.), Sc. 1":1 mile - accomp. Memoir 94.

*Map 82 F/6 E, Nelson, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	JL					
Date	11-75	10-90					

REFERENCES

McAllister, A.L.; Ymir Map-Area, British Columbia; Paper 51-4, p. 47, Geol. Surv. of Canada. +

Reports of Minister of Mines, British Columbia: 1921, p. 172; 1922, p. 209; 1923, p. 214; 1924, p. 192; 1925, p. 248; 1926, p. 275; 1927, p. 301; 1928, p. 330; 1929, p. 349; 1930, p. 269; 1932, p. 187; 1933, p. 227; 1934, p. E-12; 1935, p. E-28; 1936, p. E-45; 1937, p. E-46; 1938, p. E-37; 1939, p. 82; 1940, p. 67; 1941, p. 65; 1942, p. 62; 1943, p. 64; 1944, p. 60; 1957, p. 43; 1958, p. 37; 1959, p. 61; 1960, p. 67; 1964, p. 115.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 440; 1973, p. 64.

Cockfield, W.E.; Lode Gold Deposits of Ymir-Nelson Area, British Columbia; Memoir 191, pp. 32, 34-37, Geol. Surv. of Canada, 1936. ++

Drysdale, C.W.; Ymir Mining Camp, British Columbia; Memoir 94, p. 95, Geol. Surv. of Canada, 1917.

Galloway, John D.; Lode-Gold Deposits of British Columbia; Bulletin No. 1, 1932, p. 102, British Columbia Dept. of Mines.

Mineral Policy Sector; Corporation Files: "The Porcupine Goldfields Development & Finance Company, Limited"; "Goodenough Mines, Limited"; "Enterprise Consolidated Mining Company, Limited"; "Ymir Gold Mines, Limited"; "Ymir Consolidated Gold Mines, Limited"; "Nu-Dawn Resources Inc."; "Izone International Ltd."; "Nor-Quest Resources Ltd.".

PRODUCT

GOLD

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 82 F/6

- Card 2 -
REF. AU 2

NAME OF PROPERTY

GOODENOUGH

DESCRIPTION OF DEPOSIT (continued)

generally causing small offsets. Lamprophyre dykes interrupt the continuity of the mineralization in places.

The ore consists of auriferous pyrite accompanied by zinc blende and galena in a highly siliceous gangue, the principal values being in gold.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

the mill. Intermittent milling operations continued until August 1939 and development work continued until April 1940. The workings at that time totalled about 6,000 feet of drifts, crosscuts and raises on 6 levels over a vertical distance of 700 feet. Lessees worked the property to 1943, mining small ore remnants. By 1944 the Goodenough was owned by L.S. Davidson, of Vancouver. Lessees worked the property during the year. Production of some 2,900 tons during the period 1944-1953 is listed under the name Protection.

Americonda Mines Limited, incorporated October 1956, acquired options on the Goodenough and Ymir properties and a small amount of development work was carried out during the period 1957-1959.

Hyrock Goodenough Mines Ltd., incorporated August 1960, carried out limited exploration work and shipped 11 tons of ore; work was suspended in October 1960.

In 1964 the Goodenough Fr. Crown-grant and 4 recorded claims were owned by A.L. Weber, of Flushing, N.Y. Some rehabilitation work was reported.

Silver Dawn Mines Ltd. in 1970 prospected the workings for scheelite and shipped a small amount of ore. Lessees mined and shipped a small amount of ore in 1973. In 1981, Nu-Dawn Resources Inc. optioned the property and in 1984, made a joint venture agreement with T.C. Explorada Ltd. In 1986, Nu-Dawn purchased the property. There were done geological and geochemical surveys and trenching. Nor-Quest Resources Ltd. purchased or optioned the property and Ymir in 1987. On the Ymir or on the Ymir together with Goodenough there are 200,000 to 400,000 tons of 0.25 to 0.35 ounce per ton Au. (Nor-Quest Resources Ltd. 1988 Annual Report).