

NAME OF PROPERTY

OX (EMPRESS)

OBJECT LOCATED—Centre of group.

UNCERTAINTY IN METRES 100. Lat. 53°20'00" Long. 128°57'00"

Mining Division Skeena District Range 4 Coast

County Township or Parish

Lot ~~X~~ Range 4

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The main deposit occurs in an easterly dipping (60 degrees), 20-30 foot bed of crystalline limestone. This horizon is intercalated with schist and cut by plutons varying from gabbro and diorites through quartz-diorites and granodiorites to quartz monzonites. Skarn minerals, garnet, epidote, and diopside have developed in the limestone. Associated with these minerals are impregnations of chalcopyrite, bornite, chalcocite and covellite.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the southeastern tip of Gribbell Island, approximately $1\frac{1}{2}$ miles inland from Pilot Point. The elevation of the workings ranges from 1,100-1,350 feet.

Staked in 1900, the Gribbell Island showing was then known as the Empress Group, and was owned by Canadian-American Mining Company of Bellingham, Washington (previously known as the New Whatcom Mining Company). During that year, the development work included $4\frac{1}{2}$ miles of trails, 4 short adits, one having a 37 foot shaft at the end, and a little open cutting. In 1901, the company drove a 300 foot adit at an approximate elevation of 1,200 feet, to tap the main ledge. In 1903, work continued and preparations for ore shipment were commenced by building a wharf and tramway. The zone was further developed in 1904, by the opening of another adit - 190 feet; east drift on vein 10 feet; west drift on vein 26 feet; upraise 18 feet; and west drift 30 feet. One mile of solid puncheon road was also constructed from the mine to the beach. In 1905, the 300 foot adit, which was started in 1901, was driven further, and by 1906 had attained a total length of 724 feet.

Six Crown Grants (Lots 580R4-585R4) were issued to the Canadian-American Mining Company on the Empress Group, in April 1911. These grants have since reverted to the Crown on some unknown date.

It is reported that Phelps Dodge Corporation of Canada, Limited, did some further work in 1964.

The property was then restaked under the Ox name and purchased by Balfour Mining Ltd. (incorporated Dec. 1969) in 1970. During that year and then till 1973, Balfour completed photogeological and geochemical surveys, 79 cubic yards of trenching and drilled three holes for a total of 200 feet. The claims were subsequently allowed to lapse.

HISTORY OF PRODUCTION

During the period 1903-06, 39 tons of ore were shipped from the Empress group. From this ore, 1 ounce of gold, 42 ounces of silver, and 820 lbs. of copper were recovered.

REFERENCES

- Sevensma, P.H.; Gribbell Island Claims, Balfour Mining Ltd. (N.P.L.), Prospectus, 1971.
- Reports of Minister of Mines, British Columbia: 1899, p. 656; 1900, p. 987; 1901, p. 992; 1902, p. 47; 1903, p. 51; 1904, p. 102; 1905, pp. 85-87; 1910, p. 246; 1911, p. 287.
- Dolmage, V.; Coast and Islands of British Columbia between Burke and Douglas Channels; Summary Report, 1921, Pt. A, p. 35, Geol. Surv. of Canada.
- Roddick, J.A.; Douglas Channel-Hecate Strait Map-Area, Paper 70-41, p. 50, Geol. Surv. of Canada.
- Mineral Policy Sector; Corporation Files: "Balfour Mining Ltd.". (N.P.L.).
- Geology, Exploration, and Mining, British Columbia, Dept. of Mines: 1971, p. 112.

MAP REFERENCES

#Location of Claims & Workings, Sc. 1": $\frac{1}{2}$ mile, Fig. 2 - accomp. Gribbell Island Claims Report by P.H. Sevensma, Balfour Mining Ltd. (N.P.L.), Prospectus, 1971.

*Map 103 H, Douglas Channel, (Topo.), Sc. 1:250,000.

Map 23-1970, Douglas Channel and Hecate Strait, (Geol.), Sc. 1:250,000 - accomp. Paper 70-41, Geol. Surv. of Canada.

REMARKS

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