

## NAME OF PROPERTY

RIO GRANDE

OBJECT LOCATED - Rio Grande claim (Lot 7277).

UNCERTAINTY IN METRES 100. Lat. 54°51' Long. 127°20'15"

Mining Division Omineca District Range 5 Coast

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

The lower slope is occupied by rusty weathering shale, sandstone, greywacke, and conglomerate beds, with a few thin seams of coal. At elevation 4,700 feet the sedimentary rocks are in contact with volcanic rocks that extend up the slope to the peak. At the contact the sedimentary rocks strike a little south of east and dip 40 degrees north, so that they underlie the volcanic rocks. The volcanic rocks are intruded by two granodiorite stocks. One of these forms the core of the highest peak of Mount Evelyn and the other extends down the slope for over 1,000 feet from the saddle east of the peak and easterly for 1 mile down the east shoulder of the mountain.

At elevation 4,600 feet an adit is driven north in the sedimentary rocks to their contact with the volcanic rocks. On the dump there is a small amount of black shale traversed by fine pyrite seams. In an open cut on the contact of the sediments with andesitic rocks 75 feet above the adit, there is much rusty oxidized rock impregnated with arsenopyrite and pyrite. The mineralization extends over a width of at least 2 feet. A piece of the arsenopyrite was assayed and contained good values in gold and silver.

Associated minerals or products of value

## HISTORY OF EXPLORATION AND DEVELOPMENT

The Rio Grande claim is located on the south slope of "Mt. Evelyn", on the northeast side of Hudson Bay Mountain, 8 miles northwest of Smithers. The claim lies at the 4,500 foot elevation on the north side of the head of Toboggan Creek.

The Rio Grande and Rico Aspen (93 L/14, AU 7) claims were part of an 8 claim group originally owned by J. Sheedy and J. Fisher and reported on in 1909 as the Sheedy group. The workings at that time included open cuts, a 45 foot adit, and a 15 foot shaft. A.C. Garde optioned the property in 1917 but no work was reported. Mr. Garde re-optioned the 8 original claims, and 6 adjacent claims, in 1933. Exploration work, including diamond drilling was carried out in 1934 under the name Rio Grande Syndicate. The workings at that time included a 150 foot adit. The Little Joe, Rico Aspen, Spondulix, Big Hope Fr., Iron Dollar, Last Hope, Fisher Fr., Rio Grande, and Jumbo (Lots 2647, 2648, 7272-7276, 7277, 7278, respectively) were Crown-granted in 1934 to the Estates of J. Fisher and L.S. McGill. In the 1940's the claims were held by the Fisher Estate and David Bird.

120644

HISTORY OF PRODUCTION

REFERENCES

- Reports of Minister of Mines, British Columbia: 1909, p. 84; 1934, p. C 8; 1935, p. G 48.
- Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised Edition), p. 118, Geol. Surv. of Canada.
- Kerr, F.A.; Mineral Resources along the Canadian National Railway, between Prince Rupert and Prince George, British Columbia; Paper 36-20, p. 103, Geol. Surv. of Canada.

MAP REFERENCES

- Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.
- Preliminary Map 44-23, Smithers, (Geol.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.
- Sketch Map, Hudson Bay Mountain, (Geol. & Min. Dep.), Sc. 1":1 mile, Fig. 1 - accomp. Paper 36-20, Geol. Surv. of Canada.
- Map 5319 G, Smithers, (Aeromag.), Sc. 1":1 mile.
- #Map 93 L/14 W, Smithers, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
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