

NAME OF PROPERTY

SAT, M

OBJECT LOCATED—Centre R 8-10, O 1, 3, 5 claims.

UNCERTAINTY IN METRES 300. Lat. 54°53' Long. 126°25'20"

Mining Division Omineca District Range 5 Coast

County Township or Parish

Lot Concession or Range

Sec Tp. R.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located between Broughton Creek and Saturday Lake, 8 miles west-southwest of Granisle townsite. Amoco Canada Petroleum Company Ltd. during 1972-73 held the M, O, R, Sat, and W groups. Exploration work during this period included geological mapping, induced potential and ground magnetometer and electromagnetic surveys, geo-chemical silt, soil, water, and rock surveys (975 samples), and 6,608 feet of diamond drilling in 19 holes, mainly on the R 8-10 and O 1, 3 & 5 claims.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

Much of the area is underlain by Hazelton Group volcanic and sedimentary rocks which have been intruded by fine-grained hornblende-biotite feldspar porphyries. South of Broughton Creek the porphyries occur as small plugs and dykes. The 1972 drilling intersected dykes of hornblende-biotite feldspar porphyry, biotite feldspar porphyry, and hornfelsed volcanic rocks. Most of the rocks in this area contain magnetite, and pyrite and minor chalcopyrite were noted on fractures.

Associated minerals or products of value - Iron.

120454

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

HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1972, p. 422; 1973, p. 349.

MAP REFERENCES

Geology in the Vicinity of the M, R, O claims, Broughton Creek, Sc. 1":7/8 mile (approx.), Fig. 56, Geology, Exploration, and Mining, 1972, British Columbia Dept. of Mines.

Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.

Map 671 A, Houston, (Geol.), Sc. 1":4 miles (1942).

Map 5317 G, Fulton Lake, (Aeromag.), Sc. 1":1 mile.

\*Map 93 L/16, Fulton Lake, (Topo.), Sc. 1:50,000.

#Map 93 L/16 W (M), Mineral Claim map, British Columbia Dept. of Mines.

REMARKS

Comp./Rev. By	DMacR						
Date	12-75						