

NAME OF PROPERTY CALEX (D.A.) (MURRAY)

OBJECT LOCATED—showing.

UNCERTAINTY IN METERS 500. Lat. 54°29'45" Long. 124°08'

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 area is underlain by basic volcanic rocks, with minor shale and limestone, of the Triassic-Jurassic Takla group, intruded by ultramafic rock. This intrusion is apparently not the same as that of Murray Ridge, but a separate one lying south and west. The Calnex showings are on the northern contact of this mass. The peridotites and the basic volcanic rocks are carbonatized to a varying degree to, ultimately, a massive ferrodolomite. The area is highly imbricated by faults, and all rocks have been subject to intense shearing. Most faults strike slightly north of east and dip northward. The massive ferrodolomites have been shattered in some exposures and contain an erratic stockwork of quartz veinlets with minor cinnabar. At the main showing the ferrodolomite along the fault zone was not only shattered and veined, but widely replaced by cinnabar.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the southeast end of Murray Ridge, 6½ miles northeast of Fort St. James. The showings are near the northeast corner of Lot 4753.

The Murray group of claims was staked in 1941 for The Consolidated Mining and Smelting Company of Canada Limited. Extensive stripping was reported at that time in an effort to locate the source of cinnabar float found on the property.

The D.A. group of 16 claims was located on the showings by D. Rottacker in 1956, and acquired later in the year by Centennial Mines Ltd., which was controlled by Canadian Exploration, Limited. Diamond drilling in 10 holes was done by the latter company during 1956; results were inconclusive.

The Calnex and several other groups, totalling 21 recorded claims, were located on the showings by Messrs. Goodwin, Leggatt, and Vinedge, of Fort St. James, who incorporated a private company, Darbar Explorations Ltd., in June 1965. Bulldozer trenching and stripping was carried out near the Fort St. James-Manson Creek highway. The Calnex 1-4, LAF 2, 3, 4, 9, Hawk 1-5, Frog 1-4, and Wren 1-4 claims were owned in 1969 by R.A. Goodwin, E.D. Vinnedge, and R. Hall. The property was under option to Cominco Ltd. who carried out geological mapping, 5,000 square feet of overburden stripping, and test pitting.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

REFERENCES

- Reports of Minister of Mines, British Columbia: 1956, p. 29; 1965, p. 112.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 157.
- Mineral Policy Sector; Corporation Files: "Darbar Explorations Ltd."
- Armstrong, J.E.; Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia; Memoir 252, p. 171, Geol. Surv. of Canada, 1949.

MAP REFERENCES

- Map 630 A, Fort Fraser, (Geol.), Sc. 1":4 miles. (1941).
- #Map 971 A, Smithers - Fort St. James, (Geol.), Sc. 1":8 miles. (1949).
- Map 1581 G, Fort St. James, (Aeromag.), Sc. 1":1 mile. (1963)
- \*Map 93 K/8, Fort St. James, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
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