

NAME OF PROPERTY PRIMER (OD, OB, OC) KING GEORGE

OBJECT LOCATED - #55, Map 92 H/NE (MI).

UNCERTAINTY IN METRES Lat. 49°45'20" Long. 120°27'30"

Mining Division Similkameen District Kamloops

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

Volcanics of the Upper Triassic Nicola Group are intruded by a Jurassic granodiorite stock and dykes. Quartz-pyrite-magnetite-chalcopryrite veinlets and stringers occur in the granodiorite.

The Prime claim group is underlain by Nicola Group andesitic flows, tuffs, agglomerates, and limestone. These rocks are located within an embayment of the Okanagan granodiorite batholith that lies to the east of the property. Dykes, sills, and small stocks of varying composition cut the Nicola Group rocks in the property area. The rocks have been moderately to highly altered and fractured as a result of the extensive northwest and northeast-striking shear zones that are widely distributed throughout the claim group. The claims are bordered on the west by the major north-trending Summers Creek fault. Numerous copper-pyrite occurrences have been located on the property related primarily to areas of fractured andesite and diorite rock types.

Associated minerals or products

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at elevations of 4,000 to 5,000 feet about $1\frac{1}{2}$ miles southeast of Missezula Lake, 20 miles north of Princeton. A Western area of mineralization occurs on the Primer 8, 55 & 56 claims and an Eastern area, about 4,500 feet to the southeast, on Primer 21 claim.

The King George group of 4 claims covering part of the showings was staked in 1937. An additional 8 claims were staked in 1941 by owners W. Johnson, A & T Smitherin, and A. Ericsson, all of Princeton. Work was done in numerous open cuts.

Primer Group Minerals Ltd., incorporated July 1961, purchased the Primer & Fir groups of claims from W.S. & L.W. Brown, and J.A. & Edith Stinson. McIntyre Porcupine Mines, Limited optioned the property and during 1962 carried out magnetometer, electromagnetic and geochemical surveys in two areas. The option was given up.

Primer Group Minerals carried out stripping and diamond drilling in 3 holes to depths of about 400 feet each in 1966. The company restaked the ground in about 1968 as the OD 1-30, OB 1-40 and OC 1-40 claims. Work during 1968 included an induced potential survey over 10.5 line-miles and trenching. Diamond drilling was done in 12 holes totalling 3,463 feet, and percussion drilling in 19 holes totalling 2,010 feet. Work during 1969, in part on adjacent claims held by Pageant Mines Ltd., included a geochemical survey (1,200 samples) over 43 line-miles, trenching, diamond drilling in 10 holes totalling 5,800 feet, and percussion drilling in 22 holes totalling 2,182 feet.

Cordero Mining Company, a wholly owned subsidiary of Sun Oil Company held an option on the property in 1971. Diamond drilling was done in 3 holes totalling 1,343 feet. The option terminated December 20, 1971. Rio Tinto Canadian Exploration Limited held an option on the property during 1972-73 and carried out magnetometer and induced potential surveys, and 2,103 feet of diamond drilling in 5 holes. Reserves were reported at 23,000,000 MT at 0.20% Cu (CIM Spec Vol 15, Table 1, #20).

Primer Group Minerals by an agreement dated Sept. 30, 1974 optioned a 90% interest in the property to Le Jan Copper Ltd., however Le Jan failed to meet the terms of the agreement. The company name (Primer) was changed in 1975 to Lada Development Ltd.

p.t.o.

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa

120083

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

Piper Petroleum Ltd. acquired the property in 1977 as the Prime, Prime 1 and Prime 2 claims (40 units). Work during 1977-78 included geological mapping, trenching, and a magnetometer survey over 7.3 kilometres. Further geological work and 13.7 k of magnetometer survey was carried out in 1979. Late in the year Newmont Exploration of Canada Limited was granted an option to purchase a 90% interest in the property. Piper in October 1981 amalgamated with Giant Explorations Limited under the name Giant Piper Exploration Inc.

REFERENCES

Reports of Minister of Mines, British Columbia:
 1963, p. 57⁺; 1965, p. 157; 1966, p. 176;
 1968, p. 204.

Rice, H.M.A.; Geology and Mineral Deposits of the Princeton Map-Area, British Columbia; Memoir 243, p. 92, Geol. Surv. of Canada, 1960.

Mineral Policy Sector; Corporation Files: "Lada Development Ltd."; "Cordero Mining Company"; "Piper Petroleum Ltd."
 Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 279; 1971, p. 277; 1972, p. 128; 1973, p. 160; 1977, p. E 137; 1978, p. E 154⁺⁺; 1979, p. 158.

Porphyry Deposits of the Canadian Cordillera, The Canadian Institute of Mining and Metallurgy, Special Volume 15, Table 1, #20, 1976.

MAP REFERENCES

- Map 888 A, Princeton, (Geol.), Sc. 1":4 miles - accomp. Memoir 243.
- #Map 92 H/NE (MI), Tulameen, Mineral Inventory, Sc. 1":2 miles, British Columbia Dept. of Mines.
- *Map 92 H/16, Paradise Lake, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR	DMacR				
Date	6-79	02-82	05-86				