

PRODUCT SILVER

PROVINCE OR
TERRITORY

BRITISH COLUMBIA

N.T.S. AREA 103 P/12

REF. AG 9

NAME OF PROPERTY Muskateer (Athos), Bonanza Fraction

LOCATION

Lat. 55°41'40" Long. 129°31'

Mining Division Skeena District Cassiar

County Township or Parish

Lot Concession or Range

Sec. Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT - The property is underlain by massive volcanic agglomerate and tuff. Several northeasterly striking and steeply dipping faults were observed in the adit. Two mineral deposits are present on the property: the main deposit strikes S60°E, dips vertical, is 15 or more feet wide, and has been traced for about 250 feet. It consists of quartz, barite, jasper, pyrite, sphalerite, galena, and chalcopryrite. In an adit the wallrock is slightly mineralized with sulphides and contains jasper, quartz, and barite as far as 25 feet from the wall of the mineral deposit. The deposit is locally well mineralized with galena. The other deposit is exposed in several outcrops aligned in a north-northeast direction for about 500 feet but continuity between outcrops has not been demonstrated. Some of these outcrops are as much as 10 feet across and consist of quartz, carbonate, barite, and a small proportion of hematite and pyrite. Farther to the south, on the Bonanza Fraction claim on the west side of the Kitsault River, a vein occurs which is directly in line with the northerly striking deposit and very similar to it. Where exposed by an open cut the Bonanza Fraction showing is 18 feet wide and consists of quartz and jasper with pyrite, chalcopryrite, galena, and sphalerite. The deposit is reported to hold good values in silver. Attempts to follow it along the strike have failed. One hole drilled in 1972 intersected 8 feet of vein material 200 feet vertically below the adit level containing some pyrargyrite and native silver and grading 15 ounces of silver per ton.

Associated minerals or products of value Lead, zinc

HISTORY OF EXPLORATION AND DEVELOPMENT

The Muskateer workings are located at about the 1,100 foot elevation on the east side of the Kitsault River, 15 miles north of the community of Alice Arm. The claims of the Muskateer group extend from the river about 1/2 mile east to the 2,500 foot elevation and lie mostly north of Tiger Creek. The Bonanza Fraction claim lies directly across the Kitsault River.

The Muskateer claims Nos. 1-3 were owned and prospected by Al Miner and Miles Donald, of Alice Arm, from about 1916; exploration work was done in open cuts and a short adit. These claims apparently lapsed and the owners restaked the property as the Athos, Porthos, D'Artagnan, D'Artagnan No. 1, and Armes claims in about 1918.

The Bonanza Fraction claim was also held by Miner and Donald from about 1916. Considerable work done in open cutting in 1916 by the owners of the adjoining Kitsault claim group was found upon a survey of the claims in 1918 to have been done on the showings on the Bonanza Fraction claim.

In 1919 all 6 claims were optioned to A.D. Meenach, of Seattle. During the year considerable work was done on the Muskateer deposit in open cutting and in extending the old adit; a total of 185 feet of work has been done in the adit in crosscutting and in drifting along the southwestern side of the main deposit. No further work was reported. The Athos group of claims (Lots 4066-4069, 4071) was Crown-granted in 1922 to Messrs. Meenach, Brown, Holmgren, and Fry. The Bonanza Fraction claim (lot 4070) was Crown-granted to the same owners in 1923. In 1951 the property was assessed in the name of E. Meridith and C. Z. Fry, of Seattle.

Dolly Varden Mines Ltd. purchased the property in 1970. Work in 1971 included geological mapping and a geochemical soil survey. In 1972 a geochemical survey comprising 12 samples was carried out over the D'Artagnan claim, and surface diamond drilling in 4 holes totalling 1,234 feet was done on the Athos claim to test the vein at depth in the vicinity of the main adit.

509406 *

HISTORY OF PRODUCTION

Shipping point

Distance from mine

Material shipped

Carrier

Destination

MAP REFERENCES

- Geology of Upper Kitsault Valley Area, Sc. 1" : 2,250 feet, Fig. 1 - accomp.
Report of Minister of Mines, British Columbia, 1951, p. 79.
- Map 307A, Portland Canal Area, B.C. (Geol.) Sc. 1" : 4 miles - accomp.
Memoir 175.
- Map 103P, Nass River, B.C. (Topo.) Sc. 1 : 250,000.

REMARKS

REFERENCES

- Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 56, 74, Geol. Surv. of Canada, 1935.
- Black, J. M.; Muskateer; Report of Minister of Mines, British Columbia, 1951, p. 99.
- Reports of Minister of Mines, British Columbia; 1916, pp. 77, 79; 1918, pp. 60, 67; 1919, p. 55; 1920, p. 47; 1922, pp. 60, 353; 1923, p. 386.
- Hanson, George; Upper Kitsault Valley, British Columbia; Summary Report 1921, Pt. A, p. 18, Geol. Surv. of Canada.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 125; 1972, p. 508.
- Mineral Development Sector; Corporation Files; "Dolly Varden Mines Ltd."

MAR 1968
NOV 1974
SEPT 1976