

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

OURAY (VELVET) (SURPRISE)

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division <i>Division minière</i>	<b>Skeena</b>	District <i>District</i>	<b>Cassiar</b>
County <i>Comté</i>		Township or Parish <i>Canton ou paroisse</i>	
Lot <i>Lot</i>		Concession or Range <i>Concession ou rang</i>	
Sec <i>Sect.</i>	Tp. <i>Ct.</i>		R. <i>R.</i>

Lat. 55°42'20"      Long. 129°31'30"  
Lat.                      Long.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Dolly Varden Mines Ltd.,  
1400, 409 Granville St.,  
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The showings are in a feldspar porphyry body that is much altered and contains abundant pyrite. They are near the north-west end of the body, near its contact with shaly beds. In the vicinity of the showings the intrusive body is sheared, with shear planes striking northeastward and dipping to the southeast. A northeast striking zone about 12 feet wide is abundantly coated with oxides of manganese. The zone consists of quartz and unreplaced wallrock and contains abundant pyrite, marcasite in distinctive cylindrical forms, and small amounts of chalcopyrite, sphalerite, and galena. A sample taken across the zone assayed: Gold, 0.2 ounce a ton; silver, 1.3 ounces a ton; lead, 0.4%; zinc, 0.4%, copper, 0.7%.

From G.E.M., 1972: "A gently dipping quartz-barite vein (15 to 35 degrees east), roughly paralleling the slope, gives an initial impression of significant widths which are in reality the downhill extension of the vein. Host rocks are intensely altered feldspar porphyries which contain numerous inclusions of recrystallized sedimentary rocks. Eight holes were drilled with generally negative results although one hole intersected a 20-foot quartz-barite vein containing galena, sphalerite, native silver, and chalcopyrite."

Associated minerals or products - Gold, silver, lead, zinc.  
*Minéraux ou produits associés*

HISTORY OF EXPLORATION AND DEVELOPMENT  
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

This showing is located at about the 1,500 foot elevation on the west side of the Kitsault River, about 15½ miles north of the community of Alice Arm. The showing is adjacent to the west boundary of the Wolf No. 3 claim of the Wolf property.

The showing was discovered in 1914. The Ouray, Victoria, and Bertha Fraction claims were owned by B.J. Carpenter and A.E. Egan. During the period 1914 through 1918 intermittent exploration work was done in numerous open cuts and stripping. In 1926, the property was owned by Messrs. Egan, Robertson, and Dumas of Alice Arm; the claims subsequently lapsed.

The Velvet, Velvet No. 1, and Velvet Fraction claims, owned by D.A. McPhail, of Alice Arm, in 1935, were restaking of the old Ouray, Victoria, and Bertha Fraction claims. New work reported at this time consisted of a 30 foot long adit at the 1,900 foot elevation. These claims lapsed prior to 1951.

The Surprise claim, the southernmost of a group of 11 claims owned by A.F. Smith, of Alice Arm, in 1954, was essentially a relocation of the Ouray claim. Noranda Exploration Company, Limited carried out a self potential survey in the vicinity of the showing at this time.

Dolly Varden Mines Ltd. acquired these and a number of other claims and groups of claims, in what is known as the 'Copper Belt' in about 1966. Work during 1971 included geological mapping on the Surprise group. During 1972 surface diamond drilling was done in 8 holes totalling 1,373 feet on the Surprise claim.

Black, J.M.; Ouray and Velvet; Report of Minister of Mines, British Columbia, 1951, p. 98.

Reports of Minister of Mines, British Columbia: 1916, p. 78; 1918, p. 67; 1926, p. 81; 1935, p. B 24; 1954, p. 84.

Mineral Policy Sector; Corporation Files: "Dolly Varden Mines Ltd."

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, p. 75, Geol. Surv. of Canada, 1935.

Geology, Exploration, and Mining, British Columbia Dept. of Mines: 1970, p. 81; 1971, p. 125; 1972, p. 508.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of Upper Kitsault Valley Area, Sc. 1":2,250 feet, Fig.1, Report of Minister of Mines, British Columbia, 1951, p. 79.

Map 307 A, Portland Canal Area, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 175.

Geology of the Red Point, Copper Cliff, Dan Patch, etc. claim groups, Sc. 1":2,000 ft., Fig. 6, Geology, Exploration, and Mining, 1970, p. 83.

Map 103 P, Nass River, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	03-68	11-74	09-76				