

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CAP (COMEAU), LOUDEL

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Division minière	Omineca	District District	Cassiar
County Comté		Township or Parish Canton ou paroisse	
Lot Lot		Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.	R. R.	

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property is underlain by porphyritic flow rocks and breccias of the Brian Boru formation which strike northward and dip gently eastward. These porphyries contain more pyrite than is normal and are inclined to be rusty weathering. The showings consist of a main vein, a subsidiary vein, and a few stringers. The main vein shear strikes N70°E and dips 70° or more to the north. It is silicified and in places contains vein quartz with pyrite, siderite, chalcopryrite, and some arsenopyrite; an ore shoot from which the ore shipment was made occurs in the vicinity of the main shaft. The subsidiary vein is several hundred feet east of the last workings on the main vein. It strikes nearly east, dips steeply north, and is exposed by open cuts in one of which it is about 3 feet wide and contains pyrite, sphalerite, and chalcopryrite.

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

This property is located at about the 2,200 foot elevation on the lower slopes of the northwestern face of the Rocher Deboule Range, 6½ miles southwest of New Hazelton.

Two claims, the Cap and Belton, were owned by Denis Comeau from about 1914. The adjoining Huckleberry claim was owned by Victor Preston. Exploration and development work was begun in open cuts, a shaft, and a short adit. In 1915 the Comeau property was reported to be under bond to P.E. Lessard and R.S. Shaw, of Edmonton. Four claims, the Cap, Belton, Beatty, and Hermes, were owned in 1916 by Messrs. Comeau, Johnson, and Norberg. Intermittent development work continued until March 1918. A crosscut tunnel was driven for 81 feet and the vein drifted on for 67 feet to the northeast, where a flat fault cut off the vein, and for 27 feet to the southwest to connect with the shaft. At elevation 2,060 feet a tunnel was driven 203 feet very nearly parallel to the strike of the vein. Further exploration work was reported by Mr. Comeau in 1923 and 1929.

The Huckleberry claim (Lot 4272) and the adjoining Mandon claim (Lot 4273) (Mineral Leases M 90 and M 91, respectively) were part of a larger claim group purchased by Chapparral Mines Ltd. in 1970 from a private company, Loudel Explorations Ltd. Additional claims were staked, bringing the property to 94 claims and 11 mineral leases. Included in the Mineral Leases were the Golden Wonder property, about 1 mile to the west, and the Homestake (Lot 3309) and other old Crown grants about ½ mile to the east; these probably formed part of the Victoria and Hazelton View properties. Work during 1970 included magnetometer and induced polarization surveys, and 6 percussion drill holes totalling 1,030 feet. This work was confined to the Loudel group of located claims. Drilling on Loudel 1 and 2 claims cut low-grade copper mineralization. Adjacent ground to the north, formerly held by others as the Mark and Park claims, was staked by the company in 1971. Work during 1971 included a geochemical soil survey over 20 line-miles covering Loudel 1-6, aeromagnetic and induced potential surveys covering Loudel 58-68, trenching, and diamond drilling in 4 holes totalling 761 feet on Loudel 1, 2, and 7; diamond drilling in 1970 totalled 946 feet in 4 holes.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1917, 29 tons of ore were shipped from this property. From this ore, 3 ounces of gold, 252 ounces of silver, and 3,376 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Brown, A. Sutherland; Geology of the Rocher Deboule Range; Bulletin No. 43, p. 51, B.C. Dept. of Mines & Petroleum Resources, 1960.

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, p. 36, Geol. Surv. of Canada, 1954.

O'Neill, J.J.; Preliminary Report on the Economic Geology of Hazelton District, British Columbia; Memoir 110, p. 23, Geol. Surv. of Canada, 1919.

Reports of Minister of Mines, British Columbia: 1914, p. 200; 1916, p. 115; 1918, p. 113; 1923, p. 106; 1929, p. 155.

Mineral Policy Sector; Corporation Files: "Chapparal Mines Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 173; 1971, p. 189.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geological Map of the Rocher Deboule Range, Sc. 1":1 mile, Fig. 2, Bulletin No. 43, B.C. Dept. of Mines & Petroleum Resources.

Map 971 A, Smithers-Fort St. James, B.C., (Geol.), Sc. 1":8 miles.

Map 93 M/4 E, Skeena Crossing, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	10-71	02-75					