

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ LUCKY JEM (BOB) (ELDORADO) (WHITE & BELL)

OBJECT LOCATED adit, Map 43-15A
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat.	50°59'30"	Long.	122°53'40"
Lat.		Long.	

Mining Division <i>Division minière</i>	Lillooet	District <i>District</i>
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>

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The claims are underlain by Upper Triassic Cadwallader group sedimentary rocks at the south edge of a mass of quartz diorite to quartz monzonite of the Eocene and older Eldorado pluton. The intruded rocks are sheared and altered and stand at high angles. Gold-silver bearing arsenopyrite veins and quartz-arsenopyrite-pyrite veins with lesser galena and sphalerite occur over a large area in the sedimentary rocks and to some degree in the intrusives. Considerable early exploration was directed towards an area 1 000 feet laterally and extending 600 feet above the Eldorado Creek basin, where free gold could be panned practically everywhere from the oxidized surface material.

Associated minerals or products
Minéraux ou produits associés Silver, lead, zinc, arsenic

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

The property is located at about 6 800 feet elevation at the head of Eldorado Creek, on the southerly side of Eldorado Mountain, some 25 km north-northwest of Bralorne; the summit of Eldorado Mountain is shown on Topo Map 92 0/2 as being some 3 km to the northeast.

The property was staked in 1909 by Grant White and George Bell, of Bridge River, as the White & Bell group of 5 claims, in later years known as the Lucky Jem or Eldorado group. The workings as reported in 1913 included open cuts and two adits, 30 feet and 40 feet in length. Mr. White optioned the property in 1940 to Britannia Mining and Smelting Company, Limited. Work included extensive trenching, over 300 feet of adit driven, and considerable diamond drilling; the option was dropped and the claims subsequently lapsed.

The ground was restaked as the Bob group, possibly in about 1950, and four claims, Bod 3-6, were Crown-granted (Lots 8046-8049). Bridge River United Mines Ltd. in 1967 acquired all the properties on the mountain, including the Bob group; geological mapping was reported on the Bob (Lucky Jem) group.

In 1975, Standard Oil Company (Chevron Canada Resources) acquired the large holdings of Bridge River United; extensive geochemical soil sampling may have included the Bob group.

Golden Rule Resources Ltd. acquired the Bob Crown-grants and a large block of adjacent ground in about 1980. Numerous geochemical soil and rock surveys in the period 1981 to 1985 delineated extensive gold-arsenic anomalies in this area. Geophysical surveys were carried out over the larger property in 1986.

Can America Precious Metals Inc. in early 1987, acquired from Golden Rule on option to earn a 50% interest in the Lucky Jem and adjacent ground. Work that year included mapping and sampling the underground workings, trenching and bulk sampling a number of outcrop areas. The best result is 1.11 oz/t Au over 1 m on the main vein and 0.23 oz/t and 0.39 oz/t Au respectively on the west and east parallel vein structures. Reserves in the main vein were estimated by Can America to be 63 000 tons grading 0.63 oz/t Au (Golden Rule Resources Ltd., 1987 Annual Report).

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1981, 4 tons of crude ore were shipped from the White and Bell. From this ore, 217 g Au, 2116 g Ag, 336 kg Pb and 31 kg Zn were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1913, p. 269; 1924, p. 142; 1931, p. 113; 1933, p. 268; 1940, p. 59; 1967, p. 129; 1968, p. 161; 1969, p. 185.

Exploration in British Columbia; BC EMPR: 1975, p. 118; 1980, p. 262; 1985, p. C223; 1986, p. 268.

Geological Fieldwork; BC EMPR: 1976, p. 53; 1988, p. 125

George Cross News Letter: 1987, No. 42

Cairnes, C.E.; Geology and Mineral Deposits of the Tyaughton Lake Map-Area; Paper 43-15, p. 23, Geol. Surv. of Canada, 1943.

Galloway, J.D.; Lode-Gold Deposits of British Columbia; Bulletin 1, p. 73; B.C. Dept. of Mines, 1932.

Hurst, M.E.; Arsenic Bearing Deposits in Canada; Economic Geology Series, No. 4, p. 84, Geol. Surv. of Canada, 1927.

McCann, W.S.; Geology and Mineral Deposits of the Bridge River Map-Area; Memoir 130, p. 99; Geol. Surv. of Canada, 1922.

Mineral Policy Sector; Corporation Files: "Bridge River United Gold Mines Ltd."; "Golden Rule Resources Ltd."; "Can America Precious Metals Inc."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

#Map 43-15A, Tyaughton Lake, (Geol.), Sc. 1": ½ mile, accomp. Paper 43-15.

Generalized geology, Sc. 0.3 cm: 1 km, Figure 1-14-3, Geological Fieldwork, 1988, p. 118.

*Map 92 J/15, Bralorne, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	05-89						