

PRODUCT PRODUIT	GOLD	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 104 B/8 RÉGION DU S.N.R.C.	REF. AU 1 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

EAST GOLD (PIONEER), LUCK (SILVER)
(SILVERTON)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 56°16'40" Long. 130°04'

Mining Division
Division minière

Skeena

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 underlying rocks are fine-grained tuffs of the Jurassic Hazelton group. They strike N70°E, dip 70°S, and are believed to occupy an isolated fault block which has been affected as a whole by hydrothermal alteration. A number of fold structures are present, the axes of which trend south-easterly and plunge rather steeply in that direction. Superimposed on the fold structure is a fracture pattern that strikes N35°W and dips about 80°SW, and a shear zone that strikes N70°W and dips from 60 to 78° south. Three or more quartz veins, ranging in width from 2 to 8 feet, occupy the northwesterly trending fractures. A number of assays have indicated the veins carry low values in gold, and erratic values in silver that range up to 40 ounces a ton. A drift follows a zone of sub-parallel and intersecting fractures which trend northwesterly and dip either way. The fractures and intervening sheared rock contain irregular stringers of quartz and calcite with films of fine grained pyrite, small amounts of sphalerite, and occasional grains of galena. The "high-grade" vein is a narrow zone of sheared and silicified rock that occupies one of the fractures intersecting the

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Associated minerals or products - Silver, lead, zinc, copper.
Minéraux ou produits associés

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

This property is located at the 2,450 foot elevation on a steep bluff on the west side of the Bowser River valley about 1 mile north of Tide Lake, and some 22 miles north-northwest of Stewart.

A number of claims in the Pioneer group Nos. 1 and 2 were located by William and Fred Jancowski and John Campbell in about 1927. The Silver group of 4 claims, the Silverton, Nos. 2 & 3, Silver Fraction, and Silver Fraction No. 1, was located south of and adjoining the Pioneer groups by J.R. Jancowski. The Silverton group, adjoining the Silver group on the south, was owned by Mr. Boer and associates of Hyder, Alaska.

During 1929-30 the Pioneer groups were under option to Cominco Ltd. Trenching and diamond drilling was done on the quartz veins but this work failed to show any continuity of values. Hole No. 2 drilled under a high grade siliceous outcrop, showed values of 8.72 ounces a ton in gold, and 8.78 ounces a ton in silver over a width of 5 feet. Location of this hole is not known but presumably it was drilled on what was later to become known as the "high grade" vein.

The owners resumed work on the property and began driving an adit at the 2,500 foot elevation. Work on the property ceased in about 1934 and no further activity was reported until 1939. At this time the property was held by Mrs. J.L. Campbell, of Hyder. Lessees A. Phillips and associates began development work and from time to time shipped small quantities of high grade ore to the Provincial Government sampling plant at Prince Rupert. The ground was apparently restaked as the East group of 8 claims by A. Phillips and associates in about 1944 and intermittent work was carried on until 1954. Development work to this date in the adit, driven on the north side of a ravine some 260 feet above the valley floor, consisted of about 268 feet of lateral work, a small stope winze, and two worked out stopes.

No further activity was reported until 1959 when the East Gold claim Nos. 1 to 8, owned by A. Phillips, and the Luck claim Nos. 1 to 4, owned by S.A. Liening of Seattle, were optioned to Dempster Explorations Limited. Work by the company included 1,248 feet of underground, and 691 feet of surface, diamond drilling; the option was later dropped. Utica Mines Ltd. optioned the property in 1962 and apparently a new adit was begun and driven under the ore zone for a total length of 494 feet. A

p.t.o.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1939 to 1954, 48 tons of ore were shipped from this property. From this ore 1,690 ounces of gold, 4,358 ounces of silver, 66 pounds of copper, 4,577 pounds of lead, and 1,231 pounds of zinc were recovered.

Phillips

REFERENCES/BIBLIOGRAPHIE

White, W.H.; Tide Lake; Report of Minister of Mines, British Columbia, 1946, pp. 68-72.

Annual Reports, Dept. of Mines, B.C.: 1927, pp. 106, 107; 1930, p. 117; 1939, p. 66; 1940, p. 52; 1941, p. 54; 1944, p. 53; 1945, p. 62; 1948, p. 66; 1949, p. 73; 1950, p. 26; 1953, pp. 83, 90; 1954, p. 83; 1960, p. 7; 1963, p. 11; 1965, p. 49.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 161, 168, 169, Geol. Surv. of Canada, 1935.

Mineral Policy Sector; Corporation Files: "Cominco Ltd." - Annual Report 1929; "Dempster Explorations Limited".

Fowley, A.P.; Unpublished Thesis, Queen's University, Kingston.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

Map 104 B, Iskut River, B.C., (Topo.), Sc. 1:250,000.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

drift. Rich pockets of electrum were found in narrow lenses near the hanging wall of the "high grade" vein, associated usually but not always, with abundant sphalerite. The hanging wall is sharply bounded by a fault; the footwall is not defined. As the surface is approached in the stope the vein becomes less well defined and merges into the zone of fractures on which the adit was driven. The "high grade" vein strikes N20°W to north, dips about 65° west, and extends from the foot of the raise 40 feet northward where it appears to merge with another mineralized zone. An assay of the high grade vein at the foot of the raise gave: gold, trace; silver, 0.2 oz a ton. Research work on the ore at Queen's University, Kingston, indicated the following minerals, in order of abundance: quartz, sphalerite, galena, calcite, pyrite, ruby silver, electrum, arsenopyrite, tetrahedrite, and native silver.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

total of 746 feet of EX diamond drilling was done, apparently from this adit. The option was relinquished in June 1963. The claims lapsed again and in March 1965 A. Phillips staked the East Gold claim Nos. 1 to 8 and the East Gold Extension claim Nos. 1 to 6 on the showings. Some development work was carried on until November when Mr. Phillips was killed in a blasting accident.

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Date Date	02-67						