

NAME OF PROPERTY R.A.F. (RUTH-FRANCIS), (SILVER BOW),  
NOM DE LA PROPRIÉTÉ (NABOB), (COPPER KING)

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division Skeena  
Division minière

County  
Comté

Lot

Sec  
Sect.

Lat. 55°59'20"

Lat.

Township or Parish  
Canton ou paroisse

Concession or Range  
Concession ou rang

District

District

Long. 129°52'30"

Long.

Cassiar

Cassiar

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Cassiar Consolidated Mines Limited,  
1831, 355 Burrard Street,  
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rock is argillite of the lower part of the Hazelton group cut by a number of small dykes. The best showings are located along a creek bed following a vertical fault zone which trends east-northeast and dips steeply south. The fault zone has been traced about a mile from the Silver Bow group through the Ruth-Francis group to the glacier. Mineralization occurs as erratic quartz-sulphide replacements and veins localized along the fault. A section of the fault about 150 feet long on the Ruth-Francis property was explored in early work on the property. Here the vein is in most places 2 or 3 feet wide but locally is as much as 7 feet wide. The east wall of the fault is the east wall of the mineral deposit, but the west wall of the fault is obscured by mineral replacement. Mineralization consists of quartz, jamesonite, sphalerite, pyrite, chalcopyrite, tetrahedrite, and galena, but the last three minerals are rare. A body of solid sulphide several feet wide in the upper adit assayed 40 cents in gold a ton, 31.6 ounces a ton in silver, 15% lead, 18% zinc, and 8.3% antimony. Several other narrow veins have been explored. One of them, about 1 foot wide strikes easterly and dips steeply

Associated minerals or products  
Minéraux ou produits associés

- Lead, zinc, antimony, gold.

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

This property is located on Maude Gulch and extends easterly to cover several other tributaries of Glacier Creek on the west slope of Mount Dickie between elevations of 2,000 and 4,400 feet. The Silver Bow showings are on Maude Gulch, 5½ miles northeast of Stewart. The Ruth-Francis group lies east of and adjoining the Silver Bow. The Copper King group lies east of and adjoining the Ruth-Francis.

The Silver Bow group of 5 claims, the Silver Bow Nos. 1-4 (Lots 456-459), and the Washington claim (Lot 876), was owned by M.K. Rodgers from about 1903. Intermittent exploration was carried on in open cuts and one short adit until about 1911. Silver Bow Mines, Limited, formed in May 1910, carried out some work under bond but values were low and the bond was dropped. The company was dissolved in 1911.

The Nabob group, located just west of and below the Ruth-Francis, was apparently in large part a restaking of the Silver Bow ground. The claims were staked in 1919 by J. Watkins and J. Cowan, of Stewart. In 1923 the claims were owned by J. Watkins, Eli Watland, and associates. Open cutting was reported at elevation 2,700 feet on a small brecciated vein in slate. The Nabob and Nabob Nos. 2-4 claims (Lots 4547-4550) were Crown-granted to Watkins and Watland in 1929.

The Ruth-Francis group of 4 claims, the Ruth-Francis, Copper King, and Little Johnny, was owned and intermittently explored by J.H. Nesbitt and A. Archie from about 1911 to 1926. Exploration work was done in open cuts and 3 short adits. On the main showing the upper adit was driven 60 feet; the lower adit, 50 feet vertically lower, was driven about 80 feet. A crosscut adit was driven 40 feet towards the showings on the Copper King claim. In 1927 the Ruth-Francis group was expanded to 10 claims with the addition of the Francis No. 2, Lucky Jim, Nine of Hearts, Copper King No. 2, Beatrice, and Windsor Claims. In the early thirties considerable open cutting and stripping was carried out on a shear zone about 1,000 feet easterly of the old workings. In the old workings the lower adit was extended to a length of about 180 feet and is now past the projected extension of the sulphide mineralization in the upper adit. The property apparently changed hands sometime after 1935. In 1939 an ore sample was shipped from the property by D.J. McLean of Stewart.

The RAF group of 2 claims, located in 1946 by G. Bunn, of Stewart, included a part of the former Ruth-Francis group. No

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A sample of about 80 pounds shipped to the Provincial Government Sampling Plant at Prince Rupert in 1939 assayed: gold, 0.04 ounce a ton; silver, 7.5 ounces a ton; lead, 11.6%; zinc, 6.3%; arsenic, 0.6%; antimony, 4.8%.

REFERENCES/BIBLIOGRAPHIE

Hanson, G.; Bear River and Stewart Map-Area, Cassiar District, B.C.; Memoir 159, pp. 43-44, Geol. Survey of Canada, 1929.

Reports of Minister of Mines, British Columbia: 1904, p. 100; 1906, p. 67; 1910, p. 246; 1912, p. 108; 1914, p. 156; 1918, pp. 77-78; 1919, p. 70; 1922, p. 73; 1923, p. 75; 1924, p. 68; 1926, p. 92; 1927, p. 88; 1929, p. 507; 1935, p. B 26; 1947, p. 90; 1961, p. 116; 1965, p. 51.

Hanson, George; Portland Canal Area, B.C.; Memoir 175, pp. 145, 146, Geol. Survey of Canada, 1935.

Mineral Policy Sector; Corporation Files: "Cassiar Consolidated Mines Limited".

McConnell, R.G.; Portions of Portland Canal and Skeena Mining Divisions, Skeena District, B.C.; Memoir 32, p. 43, Geol. Survey of Canada, 1913.

Grove, Edward W.; Geology and Mineral Deposits of the Stewart Area; Bulletin No. 58, p. 151, British Columbia Dept. of Mines, 1971.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Map 215 A, Stewart Sheet, B.C., (Geol.), Sc. 1":1 mile - accomp. Memoir 159.
- Map 315 A, Portland Canal Area, (Mining Properties), Sc. 1":4 miles - accomp. Memoir 175.
- Stewart Area, Crown-grant claim map, Fig. 15 B - accomp. Bulletin No. 58.
- Map 193 A, Stewart Sheet, B.C., (Topo.), Sc. 1:50,000.

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

work was reported at this time. In 1961 the RAF Nos. 1-3 claims were owned by Messrs. Bugnello and Knutson. Geological and geophysical work was credited for assessment during the year. No further activity was reported until 1965 when the 11 claim R.A.F. group, which included the Silver Bow and Ruth-Francis ground, was held by Canex Aerial Exploration Ltd. Work during the year included detailed geochemical and magnetometer surveys. Three diamond drill holes totalling 285 feet were drilled but none passed 100 feet because of broken ground.

The Copper King group of 4 claims, the Copper King, Copper King Fraction, and Copper King Nos. 2 & 3, was owned by G.M. Brown in 1918. Open cutting was reported.

Cassiar Consolidated Mines Limited acquired 46 claims in 1967.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

south. Copper mineralization with some gold was found in this vein on the Copper King claim; the easterly extension of the vein was staked as the Copper King Group.

Comp./Rev. By Comp./rév. par							
Date Date	09-67	11-74					