

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 104 B/1
RÉGION DU S.N.R.C.

REF. AG 11
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

RAINBOW

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 56°13' Long. 130°03'50"

Lat.

Long.

Mining Division Skeena
Division minière

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 country rocks are mainly tuffs and argillites of the Jurassic Hazelton group. These rocks strike westerly, dip steeply, and are cut by many dykes striking northwesterly and dipping towards the southwest. Trenching and natural outcrops expose wide zones of shearing that strike westerly, dip steeply northward, and have been traced for lengths up to 600 feet. One zone is seen in drill core to be about 160 feet wide, but much of this width is not intensively sheared. Within the shears, pyrite is abundant, silicification is common, and stringers of white quartz and carbonate are numerous. Sphalerite, galena, pyrrhotite, chalcopyrite, and arsenopyrite are found in parts of the shears but generally are restricted to widths of not more than 5 feet. Three assays from the shear zones, over widths of 18 to 60 inches, gave a range of values as follows: gold, 0.01-0.03 ounce a ton; silver, 0.2-6.0 ounces a ton. A few veins less than 2 feet wide occur where there is less shearing. Assays from 2 of these veins gave values similar to those obtained from the shear zones. Towards the south end of the showings, mineralization is found on both sides of a northerly trending fault in a mass of quartz and pyrite up to

p.t.o. . . .

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

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

These showings are located on a small north-south trending ridge, at an elevation of about 3,500 feet, just east of Summit Lake. A sketch map in the B.C. Dept. of Mines Annual Report 1920, p. 65 shows two properties, the White Moose and War Eagle, near this location.

A number of claims were staked and some open cutting done on the showings by J. Haahti in August 1931. No further work was reported on the showings until the 1940's. The Rainbow and Rainbow Extension groups, totalling 24 claims, were located on the showings by C.D. Barker of Premier. In 1944 he prospected the showings by open cutting. Cassiar Rainbow Gold Mines Limited acquired the claims from Mr. Barker in 1947 and explored the showings at depth by 5,000 feet of diamond drilling in 11 holes. The claims were subsequently allowed to lapse.

The ridge on which the showings are located is locally known as the "Trojan Horse". The Granduc mine road skirted the lower slope of the ridge above the lake. To avoid a serious snowslide problem a road tunnel was completed through the Trojan Horse in 1968. The tunnel passed under the showings without intersecting significant mineralization.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

25 feet wide. A picked sample of this material assayed: gold, trace; silver, 0.4 ounce a ton.

Grove, 1971, summarizes the geology as follows:

Country rocks consist of intercalated green Hazelton volcanic breccias, conglomerates, and sandstones, and their metamorphic equivalents. These steep-dipping north-trending epiclastics are cut by a series of almost east-west rusty-weathering shears containing quartz, minor pyrite, and other sulphides. The ridge rocks are cut by a number of post shear dykes ranging in thickness from a few inches to 20 feet, which appear to have characteristics of the Premier dyke swarm.

REFERENCES/BIBLIOGRAPHIE

Annual Reports, Department of Mines, British Columbia: 1931, p. 47; 1944, p. 53; 1947, pp. 86-88.

Hanson, George; Bowser River Area and North Part of Portland Canal Area, British Columbia; Summary Report 1931, Pt. A, p. 20, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation File: "Cassiar Rainbow Gold Mines Limited".

Grove, Edward W.; Geology and Mineral Deposits of the Stewart Area; Bulletin No. 58, p. 127, British Columbia Dept. of Mines, 1971.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

Geological Map of the Stewart Area, Sc. 1": $\frac{1}{2}$ mile, Fig. 3, Sheet C - accomp. Bulletin No. 58.

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

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	04-67	1974					