

PRODUCT PRODUIT	SILVER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA RÉGION DU S.N.R.C.	94 C/3	REF. AG 1 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

RUBY (JIM MAY CK.)

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

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.	

Lat. 56°13'20"  
Lat.

Long. 125°06'  
Long.

This property lies at the 4,200 foot elevation on Jim May Creek, some 30 miles southwest of Fort Grahame.

The Ruby Nos. 1 to 4 claims were staked in 1944 by Bert Goodridge and Hans Hunderi for Cominco Ltd. In 1946 and 1947 the company carried out a stripping operation by bulldozer and hydraulicking. The company still held the property in 1952.

The Ruby and Ivan groups, totalling 10 claims, were acquired by Sevrex Explorations Ltd. in about 1966. Work on the property in 1967 included 51 feet of diamond drilling in 2 holes.

Taseko Mines Limited purchased the Ruby 1-6 and Ivy 1-4 claims from Sevrex Exploration in July 1968. The Tas 1-27 claims were apparently acquired by staking. Work during the year included a geochemical soil survey, bulldozer trenching, and 60 feet of x-ray drilling in 3 holes.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The deposits lie in highly contorted quartzites and quartz-mica schists, in part garnetiferous, of the Tenakihi group of Proterozoic age. Several tabular and irregular bodies of white vein quartz up to 15 feet wide are exposed on and near the property. These are cut by sill-like bodies of buff-coloured granophyre and feldspar porphyry, and a stock of feldspar porphyry outcrops ½ mile south of the property. The mineral showings occur in a series of brecciated fault or shear zones. The most persistent shear zones strike N35°E and dip about 55°SE. The most prominent subsidiary breaks tend N25°W and dip about 60° northeast, and N75°E, dip 50°SE. Apparently the main N35°E-striking zones, which cut indiscriminately through the schists, quartzite, and large barren quartz veins, were first developed and cemented with vein quartz accompanied by a little pyrite to form a breccia zone up to 10 feet wide. This was refractured, and a complex sequence of shattering, quartz vein formation and sulphide deposition, and silicification of the surrounding rock ensued. The best mineralized zone is exposed in open-cut No. 5 for a length of 464 feet. It varies from two clean fissures less

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

P.t.o. ....

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

than 1 foot wide to a shattered zone, 60 feet across, containing more than 40 feet of vein quartz. The aggregate content of metallic minerals in these deposits is small. Pyrite is found all along the main shear zones and in most of the subsidiary veins. Sphalerite, galena, tetrahedrite, and arsenopyrite are confined chiefly to the stockworks of smaller veins and in places occur as veins of apparently pure sulphide material up to 1 inch wide. Ruby silver is found in the vuggy quartz veins, usually accompanied by tetrahedrite and sphalerite, and also as specks and blebs along thin fractures in the quartzite. Molybdenite, chalcopyrite, and native silver have been noted in the showings. An assay across 7 feet of the main quartz vein south of the creek assayed: Gold, 0.01 ounce per ton; silver, 0.3 ounce per ton. Spectro-chemical analyses indicated less than 0.3% lead and zinc in each sample. Other assays are reported to have shown a good silver and fair gold content across relatively large widths in parts of the deposit.

REFERENCES/BIBLIOGRAPHIE

- McCammon, J.W.; Osilinka River-Nina Lake Area; Report of Minister of Mines, British Columbia, 1952, pp. 98, 100.
- Roots, E.F.; Geology & Mineral Deposits of Aiken Lake Area, British Columbia; Memoir 274, p. 226, Geol. Surv. of Canada, 1954.
- Reports of Minister of Mines, British Columbia: 1967, p. 120; 1968, p. 150.
- Mineral Policy Sector; Corporation Files: "Taseko Mines Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Map 1030 A, Aiken Lake, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 274.
- Preliminary Map 48-5 A, Aiken Lake, (Geol.), Sc. 1":2 miles - accomp. Paper 48-5.
- Map 94 C, Fort Grahame, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	01-67	02-69	09-74				