

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

HOPE

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		Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.	R. R.	

Lat. 56°22'30" Long. 125°20'30"

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The claims cover a fracture zone 12 to 25 feet wide and several hundred feet long in uniformly banded quartz-mica-feldspar gneiss, quartzite, and quartz-feldspar-actinolite amphibolite. Most of the fracture zone consists of fragments up to 2 feet in diameter of gneiss and bluish grey, massive quartzite partly to completely replaced by pyrrhotite, pyrite and arsenopyrite, with very minor chalcopyrite, together with others of solid crystalline sulphides, in a matrix of massive to crystalline pyrrhotite, massive hematite, and earthy, friable limonite. Mineralization appears to be due both to replacement and fracture filling. In other parts of the deposit bands of crystalline sulphide minerals have formed along the foliation planes of the quartz-mica-feldspar schist, giving the exposures a veined appearance. Assays of samples of this deposit have indicated only traces of gold and silver.

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

The Hope group lies at an elevation of about 6,800 feet on the crest of the ridge 2½ miles northeast of Blackpine Lake, some 29 miles southwest of Fort Grahame. The claims were staked in 1944 by O. Schmidt of Fort St. James.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Roots, E.F.; Geology & Mineral Deposits of Aiken Lake
 Map-Area, British Columbia; Memoir 274, p. 222,
 Geol. Surv. of Canada, 1954.

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. GSC 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						