

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

HOMESTAKE, TIP TOP

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division  
Division minière

County  
Comté

Lot

Sec  
Sect.

Skeena

Lat. 55°45'25"

Lat.

Township or Parish  
Canton ou paroisse

Concession or Range  
Concession ou rang

Tp.  
Ct.

Long. 129°35'20"

Long.

District  
District

Cassiar

R.  
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rock is mainly fine-grained fragmental volcanic rocks, and crystalline rocks that are probably mainly intrusive. On the westerly side of the claims the rocks are intrusive felsites, but on the eastern side the rocks appear to be tuffs. A zone comprising several subparallel faults and intervening wallrock strikes about N70°W (mag.), dips between 50° and 80°NE, and has been traced for 700 feet. Width of the zone is indefinite, but for most of its length it is about 20 feet wide and locally may be as much as 40 feet wide. A segment of the southeast end of the zone is displaced about 200 feet eastward south of a fault. In general, mineralization is sparse. Quartz, carbonate, and minor amounts of barite and sulphides occur in veins, pockets, lenses, and disseminated in the walls of the faults. Massive mineralization is restricted to pockets or lenses a few feet wide. Pyrite is the most abundant; chalcopyrite is present as a rule in small amounts; sphalerite and galena occur erratically and are less abundant. Assays of samples from the open cut from which the sorted ore was shipped indicate the gold is approximately proportional to the amount of copper and it is probable that much of the gold is associated with the chalcopyrite.

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

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

The Homestake showings are located at about the 3,300 foot elevation on the west side of the headwaters of the Kitsault River about ½ mile west of the foot of the Kitsault Glacier and 19½ miles north-northwest of the community of Alice Arm. The Blue Ribbon, Matilda, and Tip Top claims lie to the southwest and adjoining.

The Homestake and Homestake Nos. 1-3 claims (Lots 3975-3978) were located in 1913 by A. Davidson, A.F. Smith, and G. Pearson, of Alice Arm. Intermittent exploration work was done in open cuts. Mineral Claims Development Company, Limited, formed in August 1919, took an option on the Homestake group and on the Tip Top claim, which was owned by H. Mann. A cross-cut adit was started but little else was done and the option was dropped in 1921.

Consolidated Homestake Mining and Development Company, Limited, formed in May 1921, optioned the original Homestake group, along with the Homestake Fraction, Homestake Fraction No. 1, and Tip Top claims. A small amount of surface and underground work was done between 1921 and 1925, when the option was dropped. The four original Homestake claims were Crown-granted to the original owners in 1925; the Homestake Fraction and Homestake Fraction No. 1 claims (Lots 3979 and 3980) were Crown-granted to these same men in 1927.

In 1926 the Homestake group, along with three other groups, was bonded by V. Spencer & associates, of Vancouver, but no work was done on the Homestake group and the option was abandoned in 1927. The claims were optioned in about 1934 by a Vancouver syndicate which in February 1937 formed British Lion Mines, Limited, A.F. Smith president. The company subsequently acquired a ¼ interest in the property, and an option on the remainder; the original owners held the remaining ¾ interest. Exploration and development work was carried on into 1939 and included drifting and crosscutting in 3 adit levels on the Main zone. The "Myberg" adit, at elevation 3,495 feet, totals about 170 feet of crosscut and drift. The "Gerhardi" crosscut, at elevation 3,405 feet, was driven southwesterly cutting the main and northern mineralized zones; crosscutting in this adit totals about 250 feet. The "Smith" drift adit, at elevation 3,360 feet, was driven southeasterly about 100 feet.

p.t.o. ....

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1939, 8.8 tons of selected ore was shipped from this property. From this ore 36 ounces of gold, 52 ounces of silver, 40 pounds of lead, 668 pounds of zinc, and 1,320 pounds of copper were recovered. (Report of Minister of Mines, B.C., 1951, p. 84).

REFERENCES/BIBLIOGRAPHIE

Black, J.M.; Homestake; Report of Minister of Mines, British Columbia; 1951, pp. 83-86.

Mandy, J.T.; British Lion Mines, Ltd.; Report of Minister of Mines, British Columbia, 1938, pp. B 7-B 12.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 67, 83.

Reports of Minister of Mines, British Columbia:  
 1916, p. 82; 1918, pp. 64, 65; 1919, p. 56; 1921, p. 51; 1923, p. 58; 1926, p. 82; 1927, p. 77; 1933, p. 50; 1934, p. B 15; 1947, p. 95.

Hanson, George; Upper Kitsault Valley, British Columbia; Summary Report 1921, Pt. A, p. 20, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "Toric Mines Company, Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Geology of Upper Kitsault Valley Area, Sc. 1":2,250 feet, Fig. 1, Report of Minister of Mines, B.C., 1951, p. 79.
- Map 1901, Upper Kitsault Valley, B.C., (Geol.), Sc. 1":3,000 feet - accomp. Summary Report 1921, Pt. A.
- Map 307 A, Portland Canal Area, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 175.
- Map 103 P, Nass River, B.C., (Topo.), Sc. 1:250,000.

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

Owners of the Homestake group in 1951 were the British Lion Mines  $\frac{1}{4}$  interest, and the estate of C.F. Welch  $\frac{3}{4}$  interest; surface prospecting was reported at this time. The British Lion Mines charter was surrendered in 1963.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	02-68						