

NAME OF PROPERTY

ENTERPRISE, HEATHER

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 300.

Lat. 56°07'10" Long. 129°42'30"

Mining Division Skeena

District Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

George Enterprise Mining Company, Limited.

DESCRIPTION OF DEPOSIT

The country rock consists of volcanic fragmentals and lava flows dipping gently northeastward. A small body of granodiorite, probably a stock, outcrops in the valley below the showings. The granodiorite contains disseminated pyrite and chalcopyrite and may be the source of some of the copper deposits in its vicinity. On the Enterprise a persistent fault zone which strikes N16°E and dips 30°E marks the base of a cliff over 200 feet high. It contains from 3 to 12 inches of gouge, and on the footwall side the rock is somewhat silicified and mineralized with disseminated pyrite and occasional grains of chalcopyrite, galena, and sphalerite. A sample across 7 inches of gouge assayed: Gold, 0.01 ounce a ton; silver, 20.8 ounce a ton; copper, 0.9%; lead, 0.8%. A channel sample 44 inches wide across the silicified zone below the gouge assayed: Gold, trace; silver, 0.4 ounce a ton; copper, 0.2%; lead, 0.7%. About 200

see Card 2 ....

Associated minerals or products of value - Silver, lead, gold.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Enterprise group is located between elevations of 3,000 and 4,000 feet on the north side of the Bear River about  $\frac{3}{4}$  of a mile east of Cullen Creek and some 16 miles northeast of Stewart. The showings on the Heather group lie at the same elevation about a mile to the south of the Enterprise, on the south side of the Bear River.

The Enterprise showings were originally staked as the Lucky Frenchman group and an adit about 100 feet long was driven on the property in 1910-11. The ground was restaked as the Enterprise group by L.H. George, of Stewart, in about 1919 and intermittent exploration work done on the showings. In 1928 the George Enterprise Mining Company, Limited, was formed to acquire the Enterprise group of 13 claims. Shortly after the incorporation the adjoining Heather group of 8 claims was staked. The Enterprise and Heather claims (Lots 5346-5366) were Crown-granted in 1929. Intermittent exploration work was carried on until 1935 and again in 1946 and 1950, the latter work being done under the direction of W.B. George.

On the Enterprise group exploration work has been carried on in a number of open cuts and short adits; the longest adit, known as the Enterprise, was driven 325 feet; in this distance encouraging but low copper values were cut in three indefinitely defined shears.

On the Heather group limited prospecting has been done in open cuts and a 50 foot long adit.

Tournigan Mining Explorations Ltd. in 1976 acquired the Enterprise and Heather claims from George Enterprise Mining Company, Limited. Geological mapping, and drilling in 2 short holes was carried out during the year. Prospecting and sampling was reported in 1978.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1919, p. 67;  
 1922, p. 77; 1925, p. 94; 1927, p. 95; 1928, p. 110;  
 1929, p. 100; 1930, p. 108; 1931, p. 43; 1946, p. 79;  
 1950, p. 78.

Hanson, George; Portland Canal Area, British Columbia;  
 Memoir 175, p. 118, Geol. Surv. of Canada, 1935.

Mineral Policy Sector; Corporation Files: "George  
 Enterprise Mining Company, Limited"; "Keith Copper  
 Ltd."; "Tournigan Mining Explorations Ltd.".

Keyte, G.; Geological Report on the Bear Pass Property, Dec.  
 1978 - in Tournigan Mining Explorations Ltd. Statement of  
 Material Facts, 12/07/79, Vancouver Stock Exchange.

MAP REFERENCES

Map 216 A, Bear River Sheet, (Geol.), Sc. 1":1 mile -  
 accomp. Memoir 159.

#Map 217 A, Bear River Sheet, (Topo.), Sc. 1:50,000.

Bear Pass Property, (claim map), accomp. Rept. by D.R.  
 Cochrane in Tournigan Mining Explorations Ltd. State-  
 ment of Material Facts, 12/07/79, Vancouver Stock  
 Exchange.

REMARKS

Comp./Rev. By		DMacR	DMacR	DMacR			
Date	6-67	10-74	5-76	8-79			

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DESCRIPTION OF DEPOSIT (continued)

feet to the northwest several mineralized fractures strike N20°E and dip 45°E and apparently approach the main fault zone at a small angle. The mineralization in these fractures consists of silicified rock and quartz stringers with disseminated pyrite and chalcopyrite, and occasional grains of tetrahedrite, galena, and sphalerite. A channel sample 11 inches wide on one of these fractures assayed: Gold, 0.03 ounce a ton; silver, 4.3 ounces a ton; copper, 1.8%. From time to time high-grade silver float has been found to the west of the cliff in a broad area of slide rock. One small piece, consisting of weathered drusy quartz with interstitial masses of tetrahedrite assayed: Gold, 0.30 ounce a ton; silver, 149.8 ounces a ton. The source of this float has not been found.

On the Heather group two east-west shear zones up to 8 feet wide are mineralized with pyrite, chalcopyrite, and an occasional bit of galena, in a gangue of quartz and calcite. Other less promising showings have been found. A few areas show some indications of copper mineralization.