

NAME OF PROPERTY

HU

LOCATION East showing 58°21'10" 130°10'
 West showing Lat. 58°21' Long. 130°13'20"
 Uncertainty: 100 metres.
 Mining Division Liard District Cassiar
 County Township or Parish
 Lot Concession or Range
 Sec. Tp. R.

OWNER OR OPERATOR AND ADDRESS

HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located at the 4,000 foot elevation on the south side of the Tanzilla River, 10 miles southwest of the south end of Dease Lake.

The HU 1-32 claims were staked in June 1969 on behalf of Tournigan Mining Explorations Ltd. after the investigation of a gossan zone at the head of Stain Creek. Later in the summer Silver Standard Mines Limited optioned the property and staked an additional 30 claims (HU 33-62). Work by Silver Standard in 1969 and 1970 included trenching, geological mapping, and a geochemical soil survey over nearly 20 line miles. The option was allowed to terminate in September 1970. Tournigan Mining during 1972 carried out an induced potential survey over 16.6 line-miles covering the east end of the property, and a geochemical soil survey over the southeast part of the property.

Amex Exploration, Inc. optioned the property in June 1973 and carried out geological mapping over 2 square miles, a geochemical survey (283 samples of which 206 were soil samples), and a magnetometer survey over 28 line-miles. The option agreement was terminated in November 1973.

DESCRIPTION OF DEPOSIT

The country rock is mapped as Upper Triassic volcanics with intercalated sedimentary members, the sequence being characterized by many small stocks, sills and dykes of porphyritic andesite. The upper reaches of Stain Creek exposes badly broken metavolcanic rocks which are in contact with rusty, pyritic, medium-grained syenite. The syenite is brecciated and well fractured near the volcanic contact, and contains pyrite and scattered chalcopyrite along fractures and in small shear zones (East showing). The volcanic rocks are highly altered and fractured and pyrite is abundant in shears and joints. Disseminated magnetite is common in both the intrusive and volcanic rocks, at the contact. Chalcopyrite is most abundant close to the contact. Assays have shown the mineralization to be sub-economic, however one 6 foot wide section near the contact averaged 0.1 ounce gold a ton and 0.56% copper. The West showing, as exposed in trenches, consists of fingers and lenses of syenite intruding altered volcanic rocks. Fine grained chalcopyrite and pyrite are present in both rock types. A few specks of molybdenite were also observed in the trenches.

Associated minerals or products of value

HISTORY OF PRODUCTION

REFERENCES

Mineral Development Sector; Corporation Files: "Tournigan Mining Explorations Ltd."

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 44; 1970, p. 37; 1972, p. 513; 1973, p. 551.

Cochrane, D.R.; Preliminary Economic Geology Report on the Tanzilla Property; - in Tournigan Mining Explorations Ltd. Prospectus, July 1971. +

MAP REFERENCES

Map 21-1962, Dease Lake, (Geol.), Sc. 1":4 miles.

*Map 104 J/8 E, Dease Lake, (Topo.), Sc. 1:50,000.

#Tanzilla Property, (Claims & Geol.), Sc. approx. 1":3,500',
Fig. 2, Report by Cochrane, 1971.

REMARKS

BCI - 104 J - 13.

JAN 1972
APR 1976