

PRODUCT	MERCURY	PROVINCE OR TERRITORY	British Columbia	N.T.S. AREA	93 N/11	REF. Hg 3
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NAME OF PROPERTY **AMY (SNELL)**

OBJECT LOCATED

UNCERTAINTY IN METERS Lat. 55°40'30" Long. 125°26'30"

Mining Division **Omineca** District **Cassiar**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

Interbedded limestone, argillaceous quartzite, tuff, slate, and schist of the Permian Cache Creek group are exposed along Silver Creek. The beds strike northerly and dip steeply to the east. The various lithologic units occur in lenses up to 50 feet thick and several hundred feet long. About 1,000 feet to the east, andesites and sandstones of the Takla group are exposed. The Pinchi fault zone crosses the property from north to south. Many subsidiary faults, striking and dipping in various directions, cut the Permian strata. Mineralization on the property consists of cinnabar associated with minor amounts of stibnite. An orebody about 40 feet long by 6 feet wide, and carrying 4 to 6 pounds of mercury a ton, occurs in limestone at the mouth of Snell Creek. This body ends at a depth of 12 feet against a fault that strikes N10°E and dips 45° northwest. Most of the ore in this deposit is contained in a siliceous paystreak 4 to 6 inches wide that follows a slip plane. One good width of low-grade ore has been intersected in a diamond drill hole on Silver Creek. The cinnabar is in cherty limestone and carbonate-quartz-mariposite rock at the contact of limestone with altered serpentine. Some 600 feet northward, a surface showing consists of lenses of cinnabar mineralization in dolomitic limestone on either side of a fault striking northward.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located along Silver Creek, extending from Kenny Creek to Vital Creek, some 24 miles northeast of Takla Landing.

The claims were staked in the summer of 1941 by Mr. G. Snell & associates, and subsequently optioned to Bralorne Mines, Limited. Following some surface exploration the company allowed the option to expire later in the year. Cominco Ltd. held the property under option until 1944 and undertook extensive surface development and diamond drilling. It is reported that diamond drilling indicated two zones of mercury mineralization, one near the east bank of Silver Creek, and another approximately 600 feet east. It has also been reported that in 1943 and 1944 two attempts were made by Cominco to drive a cross-cut to intersect the eastern zone. Both attempts encountered an old channel and the adits were abandoned.

From 1958 the ground was explored as a joint project by Bralorne Pioneer Mines Limited, Noranda Exploration Company, Limited, and Canex Aerial Exploration Ltd. Exploration work on the Amy group of 10 recorded claims in 1958 included the removal of some 14,000 cubic yards of overburden by hydraulicking and bulldozing, and geological mapping. In 1959 the property consisted of 30 claims, held under the name "Snell Group". Work during the year included the hydraulic stripping of some 27,000 cubic yards of overburden, and 2,548 feet of diamond drilling in 13 holes; the stripping exposed a new surface showing some 600 feet farther north. With the exception of some hydraulic stripping in 1960, no further activity was reported until 1965 when geological and geochemical surveys were made and some trenching was done.

The Amy 1-10 claims were held in 1970 by El Paso Mining and Milling Company. Work included a geochemical survey of the property, and diamond drilling in 4 holes totalling 957 feet.

HISTORY OF PRODUCTION

REFERENCES

Armstrong, J.E.; Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia; Memoir 252, pp. 154-156, Geol. Surv. of Canada, 1949.

Reports of Minister of Mines, British Columbia: 1944, p. 75; 1958, p. 11; 1959, p. 18; 1960, p. 14; 1965, p. 106.

Geology, Exploration and Mining, British Columbia Dept. of Mines: 1970, p. 184.

MAP REFERENCES

Map 844 A, Takla, (Geol.), Sc. 1":4 miles (1946).

Map 907 A, Fort St. James, (Geol.), Sc. 1":6 miles -
Accomp. Memoir 252.

Map 93 N, Manson River, (Topo.), Sc. 1:250,000.

Map 93A/11, Kwanika Creek, (Topo.), Sc. 1:50,000

REMARKS

Comp./Rev. By							
Date	9-68	8-74					