

NAME OF PROPERTY LUCKY BOY, HORSESHOE

OBJECT LOCATED - Lucky Boy adit.

UNCERTAINTY IN METRES 200. Lat. 50°38'30⁵" Long. 117°36'10"

Mining Division Revelstoke District Kootenay

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The property is underlain predominantly by a series of phyllite, argillite, and impure quartzite, containing bands of limestone-dolomite skarn. Map 235 A indicates these rocks are of late Precambrian age, being members of the Lardeau series of the Windermere group. These rocks have been intruded by a small granodiorite stock. Light grey to white dolomite is exposed near the Lucky Boy mine, forming a band a few hundred feet wide which dips steeply northeast. To the southwest the phyllites, argillites, quartzites, and calcareous lenses more or less altered to skarn form poorly defined beds several hundred feet wide on the steep Wilkie Creek slope extending from the crest of the ridge east of the creek to the level of the creek. The skarn consists of a fine-grained aggregate of quartz, carbonate, epidote or zoisite, diopside, and garnet. It is commonly heavily mineralized with pyrrhotite and locally contains chalcopyrite and scheelite. The rocks are complexly folded. Cleavage is vertical or dips steeply to the northeast.

see Card 2

Associated minerals or products of value - Lead, zinc, copper, tungsten, gold.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Lucky Boy claim is located at the 4,250 foot elevation on the ridge between Wilkie (Trout) Creek and the north end of Trout Lake, approximately 3 miles west-southwest of Trout Lake village. The Horseshoe claim (Lot 5342) adjoins to the west; details of its Crown-granting are not known.

The first report of activity in this vicinity was in 1898. Claims held at that time included the Big Hope, Bright Star, and Sunny South. The workings included a 47 foot crosscut adit on the Big Hope. The Horseshoe claim, possibly a restaking of a former claim, was first mentioned in 1901. The workings at that time included an inclined shaft to 35 feet, a 75 foot crosscut adit located about 300 feet northwest of the shaft, and drifting on the vein towards the shaft. Further development work was reported in 1904 and 1905. The Horseshoe claim was owned by Messrs. Craig and Hillman in 1911. Lessees worked the claim in 1911 and 1912. The workings in 1914 included 2 shafts to depths of 100 and 150 feet on the vein and a 25 foot drift on the 50 foot level of the west shaft. In 1940 the claim was owned by Lance Hillman of Ashcroft. In subsequent years the Horseshoe was considered part of the Lucky Boy property.

The recorded history of the Lucky Boy group begins in 1902. In December of that year the claim group was optioned by a Philadelphia syndicate, headed by J.J. McGlone, who organized the Chestnut Hill Mining Company, which was registered in British Columbia in 1905. That same year (1905), six claims, the C.H., XYZ, C.D., Blue Jay, and Doubtful (Lots 4741-4745 respectively), and L.B. (Lot 5425) were Crown-granted to Mr. McGlone. Development work by the syndicate began in December 1902. Work to 1906 included sinking an inclined shaft to 210 feet with levels established at 50, 100, and 150 feet. Drifting on the vein on the 3 levels totalled about 925 feet, and in addition winzes were sunk connecting the surface with the three levels. No activity was reported from 1906 until 1911 when the mine was reopened. Limited development work was carried out by the Company and a small amount of high-grade ore mined.

No further activity was reported until George Yuill of Trout Lake acquired the Lucky Boy group in 1929. Some development work was reported in 1929 and 1930. Further development work was done late in 1933 by J.M. Robertson, of Nelson under an option agreement with Mr. Yuill.

see Card 2

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

120039

HISTORY OF PRODUCTION

Recorded production from the Horseshoe during 1902-04 and Lucky Boy 1902-1903 totals 467 tons. From this ore 1 ounce of gold, 97,467 ounces of silver, 4,294 pounds of copper, and 247,481 pounds of lead were recovered.

From a shipment of 22½ tons of sorted tungsten ore shipped to the Mines Branch, Ottawa in 1942 a total of 448 lbs. of WO₃ were recovered.

REFERENCES

Reports of Minister of Mines, British Columbia:

1901, p. 1020; 1902, p. 140; 1903, pp. 123, 125; 1904, p. 117; 1905, p. 154; 1906, pp. 136, 138; 1911, pp. 155, 156; 1912, p. 151; 1914, pp. 316, 317; 1929, p. 337; 1930, p. 266; 1933, p. 216; 1942, p. 79; 1943, p. 79; 1952, p. 183 +; 1953, p. 144; 1967, p. 264.

+++ Fyles, J.T. and Eastwood, G.E.P.; Geology of the Ferguson Area; Bulletin 45, p. 59, British Columbia Dept. of Mines, 1962.

++ Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin 10 (Revised), p. 131, British Columbia Dept. of Mines, 1943.

Gunning, H.C.; Lardeau Map Area, British Columbia; Memoir 161, p. 83, Geol. Surv. of Canada, 1930.

Mineral Policy Sector; Corporation Files: "Trout Lake Tungsten Co. Ltd.".

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1942, Investigation No. 1307.

MAP REFERENCES

*Geological Map of the Ferguson Area, Sc. 1":½ mile, Fig. 2, Sheet A. - accomp. Bulletin 45, British Columbia Dept. of Mines, 1962.

Map 235 A, Lardeau Area, (Geol.), Sc. 1":4 miles - accomp. Memoir 161.

Mineral Reference Map No. 2, Trout Lake, Lardeau, Ainsworth (Surveyed claims), Sc. 1":1 mile, Dept. of Lands, British Columbia, 1928.

*Map 82 K/12 E, Beaton, (Topo.), Sc. 1:50,000.

Trout Lake Project, (Surface geol.), Sc. 1":470', CIM Bull, Jan 83, p. 118.

REMARKS

see: 82 K/12, AG 3
82 K/12, MO 1

Comp./Rev. By	DMacR						
Date	5-78						

PRODUCT

SILVER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 82 K/12

- Card 2 -
REF. AG 2

NAME OF PROPERTY

LUCKY BOY, HORSESHOE

DESCRIPTION OF DEPOSIT (continued)

The Lucky Boy and Horseshoe workings are on a quartz vein which strikes slightly north of east and dips 20 to 30 degrees to the south. The vein is in a reverse fault which transects the dolomite member and has offset the northeastern contact about 20 feet. The vein ranges from 6 inches to 6 feet in width, probably averaging 1 to 2 feet, and has been traced for 500 feet. It contains white drusy quartz, galena, tetrahedrite, sphalerite, chalcopyrite, and pyrite. Native silver is reported to be present. Scheelite occurs in the quartz in small grains and masses up to several inches across. The distribution of the scheelite mineralization falls within the limits of a shoot raking eastward from the surface exposure on the Horseshoe into the area between No. 2 and No. 3 levels of the Lucky Boy workings.

The scheelite content of the vein drops off rapidly as the vein passes out of the dolomite. Although locally scheelite occurs with sulphides, scheelite mineralization in general is independent of the sulphides. The sulphides appear to have an erratic distribution not obviously related to the wallrocks.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

The presence of scheelite was apparently not detected until the early 1940's when the workings were checked with an ultraviolet light. In the early 1940's C.H. Tillen of Trout Lake and Lethbridge leased and bonded the Lucky Boy group from George Yuill, the Horseshoe claim from Lance Hillman, and the Copper Chief claim (82 K/12, AG 3) from Archie Oakey, of Beaton. An additional 7 claims were staked by Tillen east and west of the Crown-grants. Tillen and associates of Lethbridge, initially operating under the name Regal Mining Syndicate, in October 1942 incorporated Trout Lake Tungsten Co., Ltd. A total of 23 tons of tungsten ore sorted from the Lucky Boy dump was shipped to the Mines Branch, Ottawa. The Consolidated Mining and Smelting Company of Canada Limited optioned the property in September 1942, carried out a thorough examination, and dropped the option before the end of the year. The company, Trout Lake Tungsten, subsequently abandoned their leases.

Further exploration for tungsten began in 1951 when Major Explorations Limited held the Lucky Boy and Copper Chief groups comprising the Crown-grants and 4 recorded claims. Work during 1952 and 1953 included prospecting and stripping. In the late 1950's the Lucky Boy and Horseshoe, comprising 7 Crown-grants, were owned by Esther Brandon, of Gerrard and Alice Hillman, of Ottawa. In 1967 R.J. Forgie and Associates Engineering Ltd. held an option on the property. During the year about 200 tons of dump material were hauled to the Blue Star mill at Ainsworth.

For subsequent History, related to molybdenum, see 82 K/12, MO 1.