

PRODUCT	SILVER	PROVINCE OR TERRITORY	British Columbia	N.T.S. AREA	104 A/4	REF. AG 9
NAME OF PROPERTY	MOUNTAIN BOY, AMERICAN GIRL, LUCKY JIM			HISTORY OF EXPLORATION AND DEVELOPMENT		
OBJECT LOCATED - Mountain Boy claim (Lot 445).				This property is located between elevations of 2,400 and 3,000 feet on the west side of American Creek about 14 miles north of Stewart. The Mountain Boy group was located in 1902; the Bandolier and Rangoon claims, adjoining on the south, were located prior to 1908; the Lucky Jim group, also adjoining the Mountain Boy group, was located in about 1928.		
UNCERTAINTY IN METRES 1,000. Lat. 56°08'30" Long. 129°55'10"				Four claims, the Mountain Boy, American Girl, Northern Belle, and Hard Money, were located on the showings in 1902 by Messrs. F.P. Stewart, M.I. Stewart, John Conway, and H.W. Brightwell. During part of 1904 the claims were under bond to C.P. Russell, of Seattle, who began underground work in one adit. In the years following, annual assessment work was done by the owners. The 4 claims, American Girl, Mountain Boy, Northern Belle, and Hard Money (Lots 444-447 respectively) were Crown-granted to Messrs. Stewart, Brightwell, Conway, and Williams in 1909.		
Mining Division Skeena District County Township or Parish Lot Concession or Range Sec Tp. R.				The Mountain Boy Mining Company Limited was incorporated in December 1909 to acquire an option on the property. In 1910 the company bonded the claims to The Pacific Coast Exploration Company, Limited, who drove 195 feet of tunnel in 3 adits, and a 10 foot winze. No further work was reported on the property by either company and the mine lay idle until 1919 when the owners, John Conway & associates, of Prince Rupert, extended the original adit about 40 feet.		
OWNER OR OPERATOR AND ADDRESS				No further work was done until 1927 when William Tolan, of Stewart, optioned the property. Prospecting for the source of the high-grade float on the property led to the discovery of a high-grade silver vein and in 1928 the Pat Daly Mining Company, Limited, of Montreal, optioned the property and began development work. The property was expanded to 8 claims and 3 fractional claims. The company name was changed in 1929 to Mountain Boy Mining Company, Limited. The original adit was advanced to about 200 feet along the footwall of the vein; the high-grade vein was prospected by a crosscut and 30 feet of drift, the vein being faulted at the face of the drift. Underground work was suspended early in 1930 and the summer was spent in open cutting and mapping. Lessees mined some high-grade ore in 1937. The company made small high-grade shipments to the Prince Rupert sampling plant in 1940. The company charter was surrendered in March 1944.		
DESCRIPTION OF DEPOSIT	<p>The country rocks are massive and fragmental volcanics, with some argillite, belonging to the Jurassic Hazelton group, intruded by numerous dykes of feldspar porphyry, augite porphyrite, and lamprophyre. The structure of the area is featured by zones of intense shearing and numerous faults. The two main showings are the Mann and Highgrade veins. The Mann vein, at the 2,400 foot elevation, occupies a sheared or crushed zone about 25 feet wide that is almost completely replaced by a mass of quartz, calcite, and barite. The vein strikes N40°E, dips about 45° southeast, and has been traced for several hundred feet to where it fingers out against a north-south wall, apparently a pre-vein fault, and terminates abruptly. Mineralization consists of sphalerite, galena, stibnite, and copper minerals. Fair, though patchy mineralization shows for a width of about 5 feet along the footwall from the portal of the adit to about 40 feet in. A sample across 5 feet assayed: gold, 0.02 ounce a ton; silver, 10.0 ounces a ton; lead, 2.0%, zinc, 11.0%. From here to the face, although the vein shows widths of over 20 feet, see Card 2</p>			see Card 2		
Associated minerals or products of value - Zinc, copper, lead, barite.				Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa. 510218		

HISTORY OF PRODUCTION

From 1929 to 1938, 60 tons of selected high grade ore were shipped from this property. From this ore 32,810 ounces of silver, 3,843 pounds of copper, and 3,773 pounds of lead were recovered.

REFERENCES

McConnell, R.G.; Portions of Portland Canal and Skeena Mining Divisions, Skeena District, B.C.; Memoir 32, p. 51, Geol. Surv. of Canada, 1913.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 105, 128, 133, Geol. Surv. of Canada, 1935.

Reports of Minister of Mines, British Columbia: 1903, p. 53; 1904, p. 99; 1905, p. 79; 1906, p. 67; 1907, p. 73; 1908, p. 57; 1909, pp. 68, 275; 1910, p. 81; 1919, p. 67 ++; 1922, p. 71; 1928, p. 108; 1929, pp. 102-104 +; 1930, p. 109; 1940, p. 78; 1944, p. 63; 1945, p. 62.

Mineral Policy Sector; Corporation Files: "Mountain Boy Mining Company, Limited"; "Northern Lights Resources Ltd.".

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.
Geological Map of the Stewart Area, Sc. 1": $\frac{1}{2}$ mile, Fig. 3, Sheet C - accomp. Bulletin 58, British Columbia Dept. of Mines, 1971.

#Crown-grant Claim Map, Stewart Area, Sc. 1":3,000 ft. - accomp. Bulletin 58.

REMARKS

Comp./Rev. By

DMacR

DMacR

Date

5-67

5-78

PRODUCT	SILVER	PROVINCE OR TERRITORY	British Columbia	N.T.S. AREA	104 A/4	Card 2 REF. AG 9
NAME OF PROPERTY	MOUNTAIN BOY, AMERICAN GIRL, LUCKY JIM			HISTORY OF EXPLORATION AND DEVELOPMENT (continued)		
DESCRIPTION OF DEPOSIT (continued)	<p>mineralization is very irregular and generally sparse. The Highgrade vein at the 3,000 foot elevation has a width of 6 to 8 feet, strikes N40°W and dips 30°SW. Vein filling consists of quartz-jasper-barite with generally sparse mineralization. A streak of 8 to 18 inches in width, favouring generally the foot wall, contains some high-grade kidneys and veinlets of sphalerite, galena, argentite, and a mineral thought to be stromeyerite. The main showing on the Lucky Jim group is a quartz-jasper-barite vein 7 feet wide carrying galena, chalcopryrite, bornite, and a little tetrahedrite. Four other showings are known; one is a silicified zone about 13 feet wide containing chalcopryrite and bornite.</p>			<p>Additional drifting and crosscutting was done in 1944 and 1945. Underground work to this date totals some 500 feet of drifts and crosscuts in 4 or 5 adits.</p> <p>Open cutting was reported on the adjoining Bandolier and Rangoon claims (Lots 3199-3200), which were Crown-granted in 1916 to J.W. Stewart, W.O. Noble, and associates. Stripping and open cutting was reported in 1929 on the Lucky Jim group of 9 claims, owned by W. Bosence and associates of Stewart.</p> <p>The Crown-grants reverted to the Crown in 1974. A lease on 26 reverted Crown-grants was acquired by S. Liening and G. Lauder. Prospector R. Schumaker carried out sampling in the Mann adit in 1976.</p> <p>Northern Lights Resources Ltd. by an agreement of November 1977 acquired an option to purchase the mineral leases to the 26 reverted Crown-grants from S. Liening (40%), the Estate of G. Lauder (40%), and R. Schumaker (20%).</p>		