

**NAME OF PROPERTY**  
**NOM DE LA PROPRIÉTÉ** SHUSWAP, COTTON BELT, BASS, TARTAR

**OBJECT LOCATED** -center of Cotton Belt claim  
**OBJET LOCALISÉ** (Lot 2105)

**UNCERTAINTY** 200 m  
**FACTEUR D'INCERTITUDE**

<b>Mining Division</b> <i>Division minière</i>	Kamloops	<b>District</b> <i>District</i>	Kamloops	<b>Lat.</b> <i>Lat.</i>	51°26'30"	<b>Long.</b> <i>Long.</i>	118°49'20"
<b>County</b> <i>Comté</i>		<b>Township or Parish</b> <i>Canton ou paroisse</i>		<b>Lot</b> <i>Lot</i>		<b>Concession or Range</b> <i>Concession ou rang</i>	
<b>Sec</b> <i>Sect.</i>	<b>Tp.</b> <i>Ct.</i>					<b>R.</b> <i>R.</i>	

**OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT**

**DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT**

The country rock, as indicated on Map 12-1964, is quartz-biotite-feldspar schist and paragneiss of the Shusway Metamorphic Complex. The mineralized zone dips about 35°SW, parallel with the bedding in the host schists and gneisses. Underground work has exposed the zone intermittently over a strike distance of about 4200 feet, and surface stripping has exposed the zone at intervals over a further 2000 feet to the southeast. As exposed in No. 2 adit, the zone varies from 18 to 24 inches in width. The main ore shoot, as exposed on surface, is up to 12 feet wide and 250 feet long. In No. 2 adit, the ore shoot is 3 to 4 feet wide and about 100 feet long. A 150 foot raise to No. 1 adit indicates the width of the shoot varies with undulations of the footwall, which is a band of limestone. About 1600 feet northwest of No. 2 adit a smaller ore shoot, where exposed in No. 3 adit, is about 100 feet long with a maximum width of 4½ feet. The mineralization consists of an intimate mixture of galena, sphalerite, pyrrhotite, magnetite, and garnet.

Associated minerals or products  
*Minéraux ou produits associés* Lead, silver

**HISTORY OF EXPLORATION AND DEVELOPMENT**  
**HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR**

The property is located on the upper westerly slope of Grace Mountain about 15 miles north-northeast of Seymour Arm, Shuswap Lake, and some 80 miles northeast of Kamloops. The showings were discovered in 1905 and 6 claims staked, the Cotton Belt, Joe, Boyne, Harrison, Victoria, Jessie, and Wellington (Lots 2105-2111, respectively). The claims were reportedly held by the Cotton Belt Mining Co. but there is no record of this as a Canadian incorporation. The claims were Crown-granted in 1912 to B.F. Lundy and associates. Exploratory work was hampered by the lack of transportation facilities, however by 1922 considerable trenching had been carried out, a 150 foot adit driven on the Cotton Belt claim, and a shallow shaft sunk on the Victoria claim.

Subsequent to the 1905 discovery a number of individuals staked claims to the northwest along the projected strike of the mineralized zone. Included among these was the Bass claim owned by Al Bass, of Seymour Arm; a 40 foot inclined shaft was sunk on a small showing on this claim. On the Tartar claim, owned by Mr. Bjorkman, of Salmon Arm, a shaft 60 feet deep was reported sunk on the Cotton Belt vein.

Cotton Belt Mines, Limited, was incorporated in June 1925 by B.F. Lundy and associates to continue the development work. Additional claims to the northwest of the Crown grants were apparently acquired at that time. Development work continued until September 1928 when operations ceased. The company charter was surrendered in 1941. Some 2000 feet of drifts and crosscuts were driven in four adits and a 150 foot raise driven from No. 2 to No. 1 adit. Diamond drilling totalling 3333 feet in 16 holes was carried out in 1926.

Seymour Mining Corporation Limited, incorporated April 1952, was reportedly organized to develop the property, however, no work was reported; the company charter was surrendered in 1961. Indicated reserves were estimated at 800 000 tons. Preliminary assays indicated a grade of 2.0 ounces silver per ton, 6% lead, and 5% zinc (Engineering and Mining Journal, Vol. 153, No. 7, July 1952, p. 156).

Falconbridge Nickel Mines Limited in 1963 held the Zan group of claims in this vicinity. A geochemical survey was carried out.

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+Nichols, H.G.; Cotton Belt; Report of Minister of Mines, British Columbia, 1927, p. 195.

Wheeler, J.O.; Big Bend Map-Area, British Columbia; Paper 64-32, p. 28, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia: 1905 - p. 195; 1906, p. 174; 1907, p. 132; 1908, p. 123; 1909, p. 140; 1910, pp. 127-128; 1911, p. 181; 1912, p. 327; 1913, pp. 181, 200; 1922, p. 150; 1925, p. 171; 1926, p. 188; 1928, p. 209; 1929, p. 217; 1930, p. 182.

Fyles, J.T.; Lead-Zinc Deposits in British Columbia; in Tectonic History and Mineral Deposits of the Western Cordillera, Canadian Institute of Mining and Metallurgy, Special Volume No. 8, p. 235 and Fig. 14-1.

Mineral Policy Sector; Corporation Files: "Seymour Mining Corporation Limited"; "Cotton Belt Mines, Limited"; "Great Northern Petroleum & Mines Ltd."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 12-1964, Big Bend, (Geol.), Sc. 1": 4 miles - accomp. Paper 64-32.

Map 7219 G, Seymour Arm, (Aeromag.), Sc. 1": 4 miles.

#Map 82 M/7 W, Ratchford Creek, (Topo.), Sc. 1: 50 000.

Cottonbelt; Mt Grace Area, (Geol.), Sc. 1: 20 000, accomp. Bulletin 80, B.C. Dept. of Mines, 1979.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1970, p. 318; 1973, p. 116; 1976, p. E 64; 1977, p. E 93; 1978, p. E 109.

Geological Fieldwork, British Columbia Dept. of Mines: 1978, pp. 18-22 (Paper 79-1).

Hoy Trygve; Geology of the Cottonbelt Lead-Zinc-Magnetite Layer; Bulletin No. 80, B.C. Dept. of Mines, 1987.

Hoy, Trygve; Stratigraphy and structural setting of statabound lead-zinc deposits in southeastern B.C.; CIM Bulletin, Vol. 75, No. 840, April 1982, p. 119.

REMARKS/REMARQUES

See also: Copper King - 82 M/7, Cu 1.  
Camp McLead - 82 M/7, Zn 2.

Comp./Rev. By Comp./rév. par			DMacR	DMacR			
Date Date	08-73	12-77	02-82	05-88			

PRODUCT ZINC  
 PRODUIT

PROVINCE OR PROVINCE OU  
 TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 82 M/7  
 RÉGION DU S.N.R.C.

REF  
 RÉF.

NAME OF PROPERTY  
 NOM DE LA PROPRIÉTÉ SHUSWAP, COTTON BELT, BASS, TARTAR

**HISTORY OF EXPLORATION AND DEVELOPMENT (con't)**  
**HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR**

Great Northern Petroleum & Mines Ltd. in 1966 acquired 74 claims in the Shuswap, Snow, and GN groups, which included the Cotton Belt, Copper King (82 M/7, Cu 1), and Camp McLeod (82 M/7, Zn 2) showings. Work to 1971 included geological mapping and induced potential and magnetometer surveys. In 1973 airborne magnetometer and VLF electromagnetic surveys were carried out.

The showings to the northwest of the Crown-grants were restaked in 1976 as the Snake Eyes, T, and Black Jack claims (42 units), owned by United Mineral Services Ltd. Cyprus Anvil Mining Corporation and Metallgesellschaft Canada Limited as a joint venture optioned the claims in 1976. Work during the period 1976-78 inclusive included geological mapping, a magnetometer survey over 14.5 k, an induced potential survey over 9 k, a pulse electromagnetic survey, and 517 m of diamond drilling in 2 holes. The Cotton claim (6 units) was staked over and surrounding the Cotton Belt and adjacent Crown grants in 1976 for United Minerals Services Ltd. Work during the period 1976-78 included geological mapping and geophysical surveys. Reserves were reported as less than 1 000 000 tonnes at 6% Pb, 2% Zn, 50 G/mt Ag (HOY: CIM Bulletin April 1982, p. 119).

Cannon Minerals Ltd. in June 1984 purchased the property from United Minerals; the company name (Cannon) was changed in December 1985 to Nevada Goldfields Corporation.