

MAIN PRODUCT: PRINC. PROD.: SILVER		PROV. OR TERR.: BRITISH COLUMBIA PROV. OU TERR.:	DEPOSIT N.T.S. AREA: S.N.R.C DU GÎTE : 82F/14	REF.: AG 002 RÉF.:	MINSYS NO: NO MINSYS: 509267- 0
NAME OF DEPOSIT: SILVANA, NOM DU GÎTE : MASCOT		SILMONAC,		HISTORY OF EXPLORATION AND DEVELOPMENT HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR	
Object located: Objet localisé:	Uncertainty : Facteur d'incertitude:	(meters/mètres)			
Latitude/Latitude: 49°58'00	Longitude/Longitude: 117°14'45				
UTM zone/Région UTM: 11 UTM North./UTM Nord: 5534734 UTM East./UTM Est: 482369					
Mining division/Division minière: SLOCAN District/District: KOOTENAY					
OWNER OR OPERATOR / PROPRIÉTAIRE OU EXPLOITANT Name: TREMINCO RESOURCES LTD. Nom :					
DESCRIPTION OF DEPOSIT / DESCRIPTION DU GISEMENT					
<p>The property is underlain by massive argillaceous to quartzitic Triassic sedimentary rocks of the Slocan Group. The simplified region structure is that of a huge recumbent fold open to the southwest, but the details of the folding are highly irregular and complex. A branch of the Standard lode passes through the Carnation, Mascot, and Hope properties. On the Carnation property the lode is a zone 50 feet or more wide of subparallel fractures, shears, and breccia sheets. The old Mascot workings explored a lode considered to be either a part of the Carnation-Hope lode, or a footwall branch. In these workings the lode dips 65° south at the East drift face and 30° at the western. In the new workings galena and sphalerite mineralization is erratically distributed within a lode system occupying a flat dipping fault zone.</p>			<p>The property is located at the head of the east fork of Tributary Creek, approximately 5½ miles southeast of New Denver. The Ruth-Hope property adjoins to the east and the Carnation and Jenny-Evening to the west. The claims in this grouping include, in addition to the Boss Fr. (Mascot) (Lot 15272), the Orient Fr. (5831), Diamond Fr. (5832), Oom Paul (5973), C & K (5974), Tornado (5537), Blimp Fr. (15275), and Best Fr. (15273). The oldest workings in the vicinity are apparently on the Mascot claim which was staked in 1895. There is no record of work done on the adjoining Tornado claim which was Crown-granted in 1903 to the Selkirk Mining & Milling Company, Limited Liability, and re-Crown-granted to J.P. Wilson in 1919. On the Mascot claim two adits 35 and 60 feet long were driven during early activity. A small shipment of ore was reported in 1913. A third and lower adit was driven by Joe Johnson of Silverton during 1925-27 under a lease agreement with owner A. Waddell. The adit was driven southerly for about 140 feet to the lode, which was drifted on for 50 feet to the east and 260 feet to the west, with a crosscut 60 feet to the south from the west drift. Kelowna Exploratin Company, Limited held this ground and adjacent claims during the period 1939-1951. Extensive geological investigations were carried out over the company's holdings, and underground exploration was done on the Carnation property about a mile to the west. The company name was changed in 1951 to Kelowna Mines Hedley Limited. Silver Standard Mines Limited in 1961 acquired an option on 59 claims from Oil Participations Incorporated, who had acquired the claims from Kelowna Mines when it was dissolved in 1958. Drilling by Silver Standard in 5 surface holes in search of the Carnation-Hope lode suggested a target area just west of the Ruth-Hope property. An agreement was negotiated with Carnegie Mining Corporation Limited to use the Ruth-Hope No. 5 level (4,000 foot elevation) which terminated near the east boundary of the Orient Fr. claim. The Silmonac Syndicate was formed in October 1962 with Silver Standard Mines Limited, Moneta Porcupine Mines, Limited and ViolaMac Mines Limited each having a 28.8% interest, and the original owners a 13.6% interest; the latter two companies held a share interest in Carnegie Mining. Rehabilitation of the 4,000 level was carried out late in 1962 and exploratin work began in January 1963. The level was extended westerly for about 1,000 feet to a lode intersection which was subsequently explored for about 800 feet. The initial program, which was completed in November 1963, included 3,022 feet of crosscuts and drifts, 127 feet of raise, and 3,708 feet of diamond drilling. Silmonac Mines Limited was incorporated in November 1963 to succeed the Syndicate as operator. Work during the first half of 1964 included 1,040 feet of drifting, 321 feet of raising, and 5,015 feet of diamond drilling. Work was suspended in June 1964 and not resumed until 1966. A further 500 feet of drifting and crosscutting was completed. Drilling in several up holes located a small orebody about 300 feet above the 4,000 level workings. Work was discontinued in the latter part of 1967 due to lack of funds. In September 1968 Silmonac entered an agreement whereby KamKotia Mines Limited (formerly ViolaMac Mines) and Burkham Mines Limited, a wholly owned subsidiary of Burden Investors Services Inc. of New York, would provide further exploration funds in equal proportion. Development work was resumed</p>		

Associated minerals or products / Minéraux ou produits associés PB ZN CD					
Source/Source: / / -REGULAR Printed/imprimée le: 19 Nov/Nov 1991			© Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa, Canada © Secteur de la politique minérale, Énergie, Mines et Ressources, Ottawa, Canada		

HISTORY OF PRODUCTION / HISTORIQUE DE LA PRODUCTION

In 1913, 1 ton of ore was shipped from the Mascot workings. From this ore 52 ounces of silver and 612 pounds of lead were recovered. Production listed under Silmonac (Minniehaha) for the period 1971-1974 inclusive totals 102,689 tons. From this ore 1,685,692 ounces of silver, 11,837,751 pounds of lead, 12,182,178 pounds of zinc, and 84,726 pounds of cadmium were recovered.

During the period 1975-1978 inclusive 59,585 tonnes of ore were produced. From this ore, 30,380,477 kg Ag, 3,413,843 kg Pb, 1,566,302 kg Cd were recovered.

Year	Tons Milled	Grade Ag oz/ton	Grade Pb %	Grade Zn %	Ozs Ag	Lbs Zn	Lbs Pb
1979	21,632	13.96	4.87	4.51	290,045	1,793,185	2,011,863
1980	31,110	8.63	3.21	3.03	268,560	1,882,000	1,996,000
1981	30,502	12.52	4.17	3.47	354,811	1,821,506	2,378,775
1982	28,868	12.0			311,594	1,403,779	1,914,855
1983	31,100	9.1			254,300	1,609,000	1,693,000
1984	8,137	21.4			170,000	941,000	1,687,000
1985	25,418	18.9			470,000	3,342,000	4,628,000
1986	24,174	19.7			466,000	3,335,000	4,673,000
1987	28,100	17.4			478,000	3,149,000	5,127,000
1988	30,400	14.0			414,000	4,333,000	3,675,000

MAP REFERENCES / RÉFÉRENCES CARTOGRAPHIQUES

#Areal Geology of the Sandon Area, Sc. 1": 800 feet - accomp. Bull. 29, British Columbia Dept. of Mines.

Map 273 A, Sandon, (Geol.), Sc. 1": 4,000 feet - accomp. Memoir 173, Geol. Surv. of Canada, 1934.

Map 1090 A, Nelson, (Geol.), Sc. 1": 4 miles - accomp. Memoir 308, Geol. Surv. of Canada.

Map 8482 G, Slocan, (Aeromag.), Sc. 1": 1 mile.

*Map 82 F/14, Slocan, (Topo.), Sc. 1: 50,000.

REMARKS / REMARQUES

REFERENCES / BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1923, p. 227; 1924, p. 196; 1925, p. 246; 1961, p. 76; 1966, p. 222; 1967, p. 252; 1968, p. 253.

+Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Memoir 184, p. 79, Geol. Surv. of Canada, 1935.

++Hedley, M.S.; Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; Bulletin No. 29, p. 90, British Columbia Dept. of Mines, 1952.

Mineral Policy Sector; Corporations Files: "Kelowna Mines Hedley Limited"; "Silver Standard Mines Limited"; "Silvana Mines Inc."; "Kam-Kotia Mines Limited"; "Dickenson Group of Companies"; "Dickenson Mines Limited"; "Tremenco Resources Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 328; 1970, p. 452; 1971, p. 408; 1972, p. 57; 1973, p. 78; 1974, p. 77.

PROVINCIAL LINK:

Last rev./Dernières m-à-j: By/Par:	/ /	/ /	/ /	04/22/1991 YJL
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MAIN PRODUCT: SILVER PRINC. PROD.:	PROV. OR TERR.: BRITISH COLUMBIA PROV. OU TERR.:	DEPOSIT N.T.S. AREA: 82F/14 S.N.R.C DU GITE :	REF.: AG 002 RÉF.:	MINSYS NO: 509267- 0 NO MINSYS:
NAME OF DEPOSIT: SILVANA, SILMONAC, NOM DU GITE : MASCOT				
<p>HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR (suite)</p> <p>in October 1968 in a new adit which was collared at the 4,625 foot elevation at the north edge of the Minniehaha claim (81 F/14, AG 58). During 1968-69 the crosscut adit was driven southerly some 2,800 feet to the lode which was explored along 1,000 feet of strike and 200 feet down dip by 4,930 feet of drifts & raises and 2,837 feet of diamond drilling in 23 holes. By April 1970 sufficient reserves had been outlined to justify production. The 150 ton-per-day mill owned by Carnegie Mining Corporation was rented and production began August 26, 1970. A decline below the 4,625 level was begun in 1973 and a ventilation raise was driven to the old Mascot workings at the 5,000 foot elevation. During the following years, exploration down dip at the east end of the mine located additional mineralized zones.</p> <p>Silmonac Mines was reorganized and the name changed in September 1977 to Silvana Mines Inc. Kam-Kotia held a 39.0% interest and Carnegie Mining a 20% interest. The Carnegie mill was purchased. The 4,000 Ruth-Hope level was rehabilitated in 1978 and the No. 2 west lateral was advanced about 1,450 feet. Drilling in 1979 cut ore-grade intersections at elevations from 4,240 to about 4,400 feet. Subsequent work indicated in excess of 150,000 tons at 16 ozs/ton silver, 5.9% lead, and 5.7% zinc (CMH 1977-78, p. 257). Production through the 4,000 level began in 1979. A raise was driven to connect the 4,000 and 4,625 workings. During 1980, lateral work on the 4,000 level totalled 2,037 feet. In the east decline area, lateral work and raising totalled 6,119 feet. There were done 16,594 feet of underground exploration drilling. Silvana amalgamated with Dickenson Mines Limited under the name of Dickenson Mines Limited. In 1989, Tremingo Resources Ltd. purchased the mine.</p>				
HISTORY OF PRODUCTION (Continued) / HISTORIQUE DE LA PRODUCTION (Suite)				
1989 24,500 16.3		391,000 3,421,000 3,062,000		