1		STTAEX		TERRITORY	øriti	sn columbia	N.T.S. AREA	93 L/14	REF. AG 3	
	NAME OF PROPERTY SILVER CREEK (SCHUFER) (IRON VAULT) showings on Iron Vault claim					HISTORY OF EXPLORATION AND DEVELOPMENT The property is located at the 5,700 foot elevation on the south side of the divide at the head of Silvern and Toboggan Creeks, on Hudson Bay Mountain, 9 miles northwest of Smithers.				
	OBJECT LOCATED (Lot 5754).									
	UNCERTAINTY IN METRES 100. Lat. 54°50'15" Long. 127°21'50"									
	Mining Division Omineca District			Range 5 Coast		Exploration work on the Silver Creek group from about 1907 was done in open cuts, stripping, and a 25 foot adit.				
	County		Township or Parish			In the fall of 1910	vas bonded to t	s bonded to the Hudson d, of which there is no		
	Lot		Concession or Range			record as a Canadian	incorporation	. Work by the	company	
	Sec	Τρ.	R.			included open cuttin 135 feet in length.	ng, an 18 foot In 1912 a lon	shaft, and 2 and crosscut was	dits 80 and begun some	
	OWNER OR OPERATOR AND ADDRESS					distance below the mineralized outcrops and was driven 400 feet. The bond was given up in 1914. Five claims, the Iron Mask, Copper Queen, Texada, Iron Vault and Van Anda (Lots 5750 R5-5752 R5, 5754 R5, and 5756 R5, respectively) were Crown-granted in 1914 to Peter Schufer and Leeman Wood.				
	Dorita Silver Mines Ltd.									
					The owners resumed further work on the property in 1916 and continued into 1919. A short adit was driven on the calcite vein and small shipments of sorted ore were made in 1917 and 1918. Late in 1925 The British Canadian Silver Corporation,					
	andesites with series of green The green tuffs tion of purple massive, but so strike easterly top of the seri the dip is to t These rocks are at the south en across the Copp ranges from 400 in length. The limesto diorite stock. of cross trench	A Vault claim some interbe hish tuffs by pass upward tuffs. The ome beds are and dip fro es is believ the north or intruded by ad of the Iro per Queen and to 1,000 fe one band is c It is follo hes for 1,450	dded tuffs are a band of foss s to the south tuffs are mostly well laminated. m vertical to 5 ed to be to the northeast the s a stock of gray n Mask claim and Lily Fraction et in width and ut off on the w wed by natural feet in an eas	green and purpl separated from a iliferous limest into a thick for y fine grained a These bedded r O degrees north. south, so that trata are overtu nodiorite outcro d extending west claims. The sto approaches 3,00 est by the grano exposures and a t to southeast d	 activity was reported on the Silver Creek group until 1935 when further work was done in No. 3 adit. Sil-Van Consolidated Mining and Milling Company, Ltd., incorporated in September 1950, acquired a number of properties on Hudson Bay Mountain, including the Silver Creek group. The company name was changed in 1957 to Sil-Van Mines Limited, with Silver Standard Mines Limited acquiring a 36¹/₂ per cent interest in the company. In August 1963 					
	tion to where it ends along a fissured zone near the top of a see Card 2					and adjacent properties. During 1965-66 the company				
	Associated minerals or pro	oducts of value -	Lead, gold.	200 9001 U C 999	See Card 2 Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa 510189 *					

wa. 510189 *

HISTORY OF PRODUCTION

In 1917, 5 tons of sorted ore were shipped from this property. From this ore 2 ounces of gold, 1,160 ounces of silver, and 4,006 pounds of lead were recovered.

A shipment of 30 tons of ore to the Silver Standard mill at New Hazelton was reported in 1918 (Report of Minister of Mines, British Columbia 1918, p. 118).

MAP REFERENCES

- Geology of Hudson Bay Mountain, Coast District, B.C., Sc. 1":1.5 miles, Fig. 9, Summary Report 1925, Pt. A., Geol. Surv. of Canada.
- Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.
- Preliminary Map 44-23, Smithers, (Geol.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.
- Sketch Map of the Silver Lake Section, Sc. 1":2,000 ft. (approx.), Report of Minister of Mines, British Columbia, 1928, p. 165.
- Sketch Map, Iron Vault claim and workings, Sc. 1":400 ft., Report of Minister of Mines, British Columbia, 1926, p. 130.
- Map 5319 G, Smithers, (Aeromag.), Sc. 1":1 mile.
- #Map 93 L/14 W, Smithers, (Topo.), Sc. 1:50,000.
- REMARKS

Comp./Rev. ByDMacR.Date12-75.

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- Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia: Memoir 223 (Revised Edition), pp. 120-123, Geol. Surv. of Canada, 1954.
- Jones, R.H.B.; Geology and Ore Deposits of Hudson Bay Mountain, Coast District, B.C.; Summary Report 1925, Pt. A., pp. 138-141, Geol. Surv. of Canada.
- Reports of Minister of Mines, British Columbia: 1908, p. 65; 1909, p. 84; 1912, p. 115; 1913, p. 108; 1914, p. 513; 1916, p. 123; 1917, p. 114; 1918, p. 118; 1919, p. 103; 1925, p. 137; 1926, p. 129; 1927, p. 137; 1930, p. 444; 1931, p. 73; 1935, p. C 39; 1950, p. 100; 1963, p. 26; 1964, p. 51; 1965, p. 74; 1966, p. 86.
- Mineral Policy Sector; Corporation Files: "Dorita Silver Mines Ltd."; "Hudson Bay Mountain Silver Mines Ltd.".
- Kerr, F.A.; Mineral Resources along the Canadian National Railway, between Prince Rupert and Prince George, British Columbia; Paper 36-20, p. 99, Geol. Surv. of Canada, 1936.
- Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy, 1935, No. 771 (Invest. #657), pp. 162-169.
- Lode Gold Deposits of British Columbia, compiled by J.D. Galloway; Bulletin No. 1, 1932, p. 53, British Columbia Dept. of Mines.

PRODUCT	SILVER	PROVINCE OR TERRITORY	Britis	sh Columbia	N.T.S. AREA	93 L/14 -	Card 2 - REF. AG 3
NAME OF PROPER	RTY SILVER CREEK (SCHUFER) (IRON VAULT)		HISTORY OF EXPLORAT extended No. 3 adit	518 feet. Di	amond drilling	g in 1965 was
steep bluff a lenticular in way along its pyrrhotite-spl intervals alon appears to be limestone. Re tial movement penetrate this orebodies are	F DEPOSIT (continued) t elevation 5,475 feet. The li outline, attaining a maximum outcrop. Lens-shaped orebodic halerite-pyrite replacement of ng the limestone horizon. The localized to zones where small ecrystallization and flowage has within the limestone, so that s formation beyond a few feet. commonly along the contact of short and lenticular in surface	90% Interest in the Silver Creek property.					
About 275 there is an ou the limestone body is lentic feet. It cons	feet from the east end of the atcrop of solid sulphides along at its contact with green tuf- cular, 50 feet long, and with a sists of solid sulphides, there halerite, 40 per cent pyrrhotic	g the south side fs. The sulphic a maximum width e being about 40	e of le of 15) per				
north side of and 900 feet, the north bord fissure fillin A calcite	whide lenses are exposed in ope the limestone band at distance respectively, west of the share der of the limestone along small mgs and as replacements of the vein occurs along a fault in a l 150 feet south of the east en	es of 500, 650, ft. These occur Il faults, both wall-rocks. andesitic rocks	800, along as			2	
stone band. I site cemented sphalerite, te from 6 to 18 i a horizontal d two adits and has a marked w	The vein consists of brecciated by calcite with various amount etrahedrite, arsenopyrite, and inches in width and has been to direction and 225 feet in a ver by open-cuts. The fault in wh vertical displacement. The fau ing from south 80 degrees west	and sheared and ts of galena, pyrite. It ran raced for 350 fer tical direction hich the vein or alt has a curvin	nde- nges eet in h by curs				
west, and dips 5,650 feet the stone 50 feet along the faul outline measur are present ir	ing from south of degrees west s from 55 to 65 degrees southes e fault is bordered on the sout in width. The limestone has h it by massive sulphides to form ring 30 feet long and 15 feet w h the following order of abundant arsenopyrite, pyrrhotite, and	ast. At elevation of by a body of been heavily rep a a body of lent wide. The sulph ance: pyrite, s	on lime- laced icular ides				
1							