PRODUCT	GOLD
PRODUIT	

PROVINCE OU British Columbia

REF. AU 5

PRODUIT	TERRITO	ORY	TERRITOIRE		RÉGION DU S.N.R.C.	RÉF.
NAME OF PROPERTY <i>NOM DE LA PROPRIÉTÉ</i>	FERN			HISTORIQUE DE L'EXPL	TION AND DEVELOPMENT LORATION ET DE LA MISE EN	
OBJECT LOCATED OBJET LOCALISÉ				south side of Hall Cree	ocated at the 5,000 foot e ek, 7 miles south of Nelson	n .
FACTEUR D'INCERTITUDE	Lat. 49 ⁰ 22 '25'' Lat.	Long		Five claims, the Fern	ked by a Captain Duncan in (Lot 374), Eureka, Hidden were bonded to Frank Flet	Treasure,
Mining Division Nelson Division minière	District District	KOO	tenay	1895; the Fern claim wa	as Crown-granted in 1896.	
Comté	Township or Parish Canton ou paroisse				ng and Milling Company Lim explore and develop the pro	
Lot	oncession or Range Concession ou rang			stamp mill was erected	that same year and the min ter part of 1900. Leasee	ne and mill
Sec Tp. Sect. Ct.	R. <i>R.</i>			worked the mine interm	ittently from 1902 until a	bout 1908.
OWNER OR OPERATOR/PROP	RIÉTAIRE OU EX	PLOIT	ANT	on until 1927.	ermittent, lessee operation	
					icate was formed by Buffalde ease and operate the mine.	
				work began in 1934. Th	he syndicate formed Gold Fo e company continued explora	ern Mines
				development work into	1937 when all activity ceas	sed. The prop-
					.E. and L.R. Hawley, of Spe d in the mine until 1943.	okane, in about
DESCRIPTION OF DEPOSIT/DE The country rocks are	SCRIPTION DU (dark greenish,	GISEMI massi	ENT Lve to schistose	Work on the propert	ty was resumed in 1945 by l tained an option on the min	
augite porphyry of the Low are cut by granite porphyr				^{ley} drilling program was be	egun and succeeded in find:	ing the
from the underlying Nelson		-	epresent congue	extension of the vein s	south of the fault which be st mining operation. A new	ounded the
filled fissure veins have or no mineralization. Mos				Mine, Limited, was form	med in March 1946 to develo	op and operate
and dip steeply northwest	The main vei	n, fra	om a few inches	Mining Company, Limited	pany was financed by Premie d and Quatsino Copper-Gold	Mines Limited.
to 8 feet in width, is sli rather closely one of the				In crossede adre was con	llared 100 feet below the ovein was drifted on for 40	
strikes from N54°E to 74° the southwestern end of th				t of interest were found	in the first 51 feet from	the fault and
faulted along a lamprophyn	e dyke which s	trikes	s S82°E and dips	were too narrow for con	et from it but the widths n npany operation.	represented
80 ⁰ north. The vein fills free gold. The portions of					g operation was carried on 5,040 and 4,850 feet, and 3	
porphyry alone were not fa	vorable for or	e depo	sition; the pro	-1,400 feet of drifts and	nd 255 feet of crosscuts.	In 1934 a
granite porphyry. The ore	e shoots have i	the co rregul	ar shapes and a	crosscut adit was start	ted 800 feet below No. 4 16 as suspended. No. 5 level	evel and driven
tendency to pitch southwes			-	driven 50 feet of the e	estimated 100 feet required	

case. The high grade streaks vary from a few inches to over a "B" vein. The 7th adit, began in 1946, was driven a total of

case. The high grade streaks valy from a few fuchce to the form of the one foot in width and as a rule follow the hanging wall of the vein. Native gold is present, chiefly in the pyrite.
Associated minerals or products - Silver.
Minéraux ou produits associés
Silver.
Silver.<

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION	REFERENCES/BIBLIOGRAPHIE		
From 1896-1942, 12,430 tons of ore shipped from this prop- erty. From this ore 6,316 ounces of gold, and 5.31 ounces of silver were recovered.	Cockfield, W.E.; Lode Gold Deposits of Ymir-Nelson Area, British Columbia; Memoir 191, pp. 48-52, Geol. Surv. of Canada, 1936.		
	Drysdale, C.M.; Ymir Mining Camp, British Columbia; Memoir 94, pp. 137-146, Geol. Surv. of Canada, 1917.		
	Annual Reports, Dept. of Mines, B.C.: 1897, p. 531; 1900, p. 843; 1902, p. 161; 1910, p. 104; 1927, p. 318; 1935, p. E 27; 1937, p. E 45; 1939, p. 80; 1940, p. 66; 1941, p. 64; 1942, p. 61; 1945, p. 99; 1946, p. 140.		
	Mines Branch, Ottawa; Ore Dressing & Metallurgical Investi- gation No. 640; Gold Ore Fern Mines, Limited, Nelson, B.C.; Investigations in Ore Dressing and Metallurgy, Report No. 771, July-December 1935, pp. 30-35.		
	Mulligan, R.; Bonnington Map Area, British Columbia; Paper 52-13, p. 29, Geol. Surv. of Canada.		
MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES Map 1090 A, Nelson (West Half), B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 308.	Mineral Policy Sector; Corporation Files: "Gold Fern Mines, Limited"; "Gold Fern Syndicate"; "Quatsino Copper-Gold Mines Limited"; "Calvert Gas and Oils Limited"; "Weland Mining Ltd.".		
Map 175 A, Ymir, Kootenay District, B.C., (Geol.), Sc. 1": 1 mile - accomp. Memoir 94.			
Map 82 F/6 W, Nelson, B.C., (Topo.), Sc. 1:50,000.			
REMARKS/REMARQUES			
Comp./Rev. By			
Comp. /rév. par DMacR	RCT 82 E/CU 102		
Date 05-67	BCI 82 F/SW - 183		

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