PRODUCT LEAD PROVINCE OR PROVINCE OF PROVINCE OF PRODUIT TERRITORY TERRITOIRE	British Columbia N.T.S. AREA 82 G/5 REF. PB 1 RÉGION DU S.N.R.C. RÉF.			
NAME OF PROPERTY NOM DE LA PROPRIÉTÉ ST. EUGENE, CAMBRIAN   OBJECT LOCATED - Shaft - on Lake Shore claim (Lot 756).   OBJET LOCALISE   UNCERTAINTY 300 m   Lat. 49°17'   Long. 115°49'45"   FACTEUR D'INCERTITUDE Lat.   Mining Division Fort Steele District   County Township or Parish   Conté Canton ou paroisse   Lot Concession or Range   Lot Concession ou rang   Sec Tp.   Sect. Ct.   OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT				
	and associates in 1897. Below and adjoining the Moyie is the Lake Shore claim (Lot 756) which was Crown-granted to C. Farrell and associates in 1897. The Gooderham-Blackstock interests purchased the above claims and amalgamated them with			
DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT The host rocks are Precambrian argillaceous quartzites siliceous argillites of the Aldridge Formation with low nor easterly dip. An east-west fracture zone contains two important veins that dip 70° south. On the 1,000-foot leve the two veins are 600' apart and converge downward and to t west. Joining these two main veins is a system of connecti veins that usually meet the main vein at a low angle. Most the ore occurred at or near such junctions. The ore consis of massive galena and lesser amounts of sphalerite, pyrite, pyrrhotite, magnetite, and a little chalcopyrite in a mainl quartz gangue.	the St. Eugene under a new company, The St. Eugene Consoli- dated Mining Company, Limited, which was incorporated in November 1899. A mill was put into operation in 1900. The St. Eugene property in 1905 was amalgamated with the Centre Star and War Eagle properties at Rossland, the Trail smelter, and the Rossland Power Company under a new company, The Consolidated Mining and Smelting Company of Canada Limited, which was incorporated in January 1906. By 1911 the ore reserves were depleted but small scale mining of remnants continued into 1914. The upper part of the orebody from the outcrop to 75' above the lake was worked by adits. Below this level a vertical shaft was sunk about 800' and 5 levels established. The underground workings totalled about 20 miles. Lessees worked the upper levels in 1916 while the company resumed mining remnants below 10 level. The mill was under alteration during 1916-17 to experiment with the flotation process on the Sullivan mine ores and to retreat St. Eugene tailings. However, the mill burned just before alterations were completed. In the period 1920-24 inter- mittent small scale mining was done by lessees and/or by the company. 121126			
Minéraux ou produits associés	© Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa © Secteur de la politique minérale, ministère de l'Energie, des Mines et des Ressources, Ottawa			

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION	REFERENCES/BIBLIOGRAPHIE			
From 1899 to 1924 a total of 1,062,393 tons of ore were milled or shipped from this property; the mill discarded all the zinc. In the period 1926-29 inclusive 563,817 tons of tailings were retreated. The two operations recovered a total of 2,535 ozs gold, 5,873,731 ozs silver, 249,199,671 lbs of lead, and 31,929,526 lbs of zinc.	Reports of Minister of Mines, British Columbia:			
	<sup>†</sup> Schofield, J.S.; Geology of the Cranbrook Map-Area, British Columbia; Memoir 76, pp. 118, 125, Geol. Surv. of Canada, 1915.			
MAP REFERENCES/ <i>RÉFÉRENCES CARTOGRAPHIQUES</i> Map 11-1960, Fernie (West Half), (Geol.), Sc. 1":2 miles, Geol. Surv. of Canada.	+++Alcock, F.J.; Lead and Zinc Deposits of Canada; Economic Geology Series No. 8, p. 324, Geol. Surv. of Canada, 1930.			
<pre>#Map of St. Eugene Mineral Claims, Sc. 1":1,500', Cominco Ltd. Annual Report June 30, 1906.</pre>	Mineral Policy Sector; Corporation Files: "Cominco Ltd."; "St. Eugene Extension Mines, Limited";			
*Map 82 G/5, Moyie Lake, (Topo.), Sc. 1:50,000.	"St. Eugene Mining Corporation, Limited".			
REMARKS/REMARQUES				
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PRODUCT LEAD PRODUIT			British Columbia	N.T.S. AREA <sup>\$2</sup> G/5 <i>RÉGION DU S.N.R.C.</i>	REF. <sup>PB</sup> 1 <i>RÉF</i> .
NAME OF PROPERTYST. EUGENE, CAMBRIANNOM DE LA PROPRIÉTÉ		HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR			
PRODUITTERRITORYTERRITOIRENAME OF PROPERTYST. EUGENE, CAMBRIAN					

## HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

Falconbridge Nickel Mines, Limited under a joint exploration agreement in 1965-66 carried out geochemical and geophysical surveys, trenching and diamond drilling in 11 holes totalling 2,740' on the east side of the lake. A seismic and hydrosonde survey was carried out on shore and on the surface of lower Moyie lake to investigate geological structures below the lake.

The company name, Consolidated Mining and Smelting, was changed in 1966 to Cominco Ltd.