

PRODUCT <i>Tungsten</i>		PROVINCE <i>British Columbia</i>	N.T.S. AREA <i>821/3</i>	REF.
NAME OF PROPERTY <i>Lodger Mine</i>		HISTORY OF EXPLORATION AND DEVELOPMENT		
LOCATION	Lat. <i>49°07'</i>	Long. <i>117°12'40"</i>		<p>The Lodger ore body was found in December 1950, diamond drilling resulted in the discovery of the Lodger ore body in December 1950. Deep diamond drilling was carried out to trace the ore zone. In 1951 a drift (4,400 Main drift), southward from the granite stock intersected schistite ore about 450 feet from the portal, and ore was developed over a strike length of 400 feet along this ore zone. A second drift was developed south of the portal of the Main drift. By 1957 the ore had been developed over its complete length.</p> <p>Ore production began in 1952, and reserves were exhausted. ¹⁹⁵⁷ production ceased.</p>
Mining Division	<i>Nelson</i>	District		
County	Township or Parish			
Lot	Concession or Range			
Sec.	Tp.	R.		
OWNER OR OPERATOR AND ADDRESS				
<i>1950: Canadian Government</i>				
<i>1957: Canadian Explorations Limited</i>				
DESCRIPTION OF DEPOSIT				
Ore or substance				
Character of Deposit		<i>disseminated</i>		
<p>The Lodger ore body schistite occurs in seams near the base of Reeves limestone above the granite stock near the irregular upper surface of the Lodger stock granite stock. The ore bodies are very irregular in both shape and attitude. In general they are small and occur intermittently along a zone plunging gently south and extending for a distance of about 4,200 feet.</p>				
Country Rock				
Associated Minerals of value				

HISTORY OF PRODUCTION

Production from the Dodge Mine to the end of 1957, totalled about 285,000 tons, grading about 12% WO₃.

Shipping point

Distance from mine

Material shipped

Carrier

Destination

MAP REFERENCES

Geological Map of the Selma Lead-Zinc Area, Sc. 1"=2000 feet, - Fig. 3, accompanying Bull. No. 41.

Map 3-1956, Nelson, (Geol.), Sc. 1:4 miles

REMARKS

REFERENCES

Ball, C. W., W. Shaw, O. C., and Mylrea, F. H.; The Lead-Zinc and Tungsten Properties of Canadian Exploration Limited, Selma, B.C.; Trans. Can. Inst. Min. Met., Vol 56, 1953.

Eyles, J. T., and Hewlett, C. G.; Stratigraphy and Stratigraphy of the Selma Lead-Zinc Area; Bull. 41, Dept. of Mines, B.C., 1959.

Little, J. D.; The Lead-Zinc and Tungsten Properties of Canadian Exploration Limited Selma, B.C.; Trans. Can. Inst. Min. Met., Vol 56, 1953.

McCutcheon, A. D., McCowan, C. M., and Walker, G. W.; The Ore Crushing and Transportation System at Canadian Exploration, Selma, B.C., Operation; Trans. Can. Inst. Min. Met., Vol 57, 1954.

Rennie, C. C., and Smith, T. S.; Lead-Zinc and Tungsten Ores of Canadian Exploration Limited, Selma, B.C.; In: "Structural Geology of Canadian Ore Deposits, Vol 2"; Can. Inst. Min. Met., 1957.

~~Annual~~
Annual Reports, 1950-1957

PRODUCT TUNGSTEN		PROVINCE BRITISH COLUMBIA		MAP SQUARE All	No. 82F/3
NAME OF PROPERTY Dodger (L.12083) & others		DEVELOPMENT WORK			
NEAREST POST OFFICE Salmo		1950 - Discovery by diamond drilling in December of an entirely new tungsten ore body, 2500' to the east of the Emerald tungsten mine, & 3600' to the north of the initial Jersey lead-zinc mine discovery. Deep diamond drilling carried out to trace ore body and by Aug. 1951, new orebody had been traced over considerable distance and cross section drilled; two new portals, and roads, power and facilities built and mill extended. The Dodger zone is completely independent and removed from Emerald and Feeney zones.			
LOCATION		1952 - New method of "trackless" mining introduced. In April 1952 milling of Dodge devel. ore started and Equipped continued until Oct./52. Not-equipped			
Mining Division	Helson	District	Kootenay		
County	Township or Parish				
Lot	Concession or Range				
L.S.	Sec.	Tp.	R.		
OWNERS OR OPERATORS AND ADDRESS		PRODUCTION			
1952 Canadian Exploration Ltd. 1100 Royal Bank Building, Vancouver 2, B.C.		From April, 1952 to Aug., 1953, total of 36,797 tons of dry ore milled, (25,200 tons devel. ore, included and 11,596 tons of stope ore). Contents - 18,673 units WO_3 in heads and with extraction of around 80%; units recovered - 14,361 (.75) for a gross value of \$361,657.			
		Material shipped			
		Date of first shipment			
		TRANSPORTATION			
		Shipping point Salmo			
		Distance from mine 10 m.			
		Carrier			
		Destination			
DESCRIPTION OF DEPOSIT		MAP REFERENCES			
Ore or substance	Scheelite				
Character of Deposit					
Country Rock					
Associated minerals of value					
	General and district maps				
	Details maps, plans, sections				

B.C. Dept. of Mines Rept. 1952 - p. 147
Tax Exemption application Form (T-351)

During latter part of 1952 and early 1953, there was a reduction in milling cap. due to shortage of water and ore devel. was also restricted. In April 1953 devel. was again commenced in ore and stope preparation and others, has been continuous since.

(Info. from Tax Exemption Application Form (T-351))

The estimated value (average) per ton is \$19.00, net, using content as .7% U_3O_8 , extraction 80%, upgrading loss 3%, and mining and milling costs \$9.64. The gross value was \$28.85 per ton and using above calculations brings net value to \$19 per ton.

In the B.C. Annual Report 1952, the production from the Emerald, Dodger and Feeney mines are lumped together and figures of ore treated for the 3 groups is 104,776 tons, which produced 51,373 units of WO_3 .

B.H.W.
9/11/53