

PRODUCT ZINC
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE British Columbia

N.T.S. AREA 92 G/6
RÉGION DU S.N.R.C.

REF. ZN 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ LYNN CREEK

OBJECT LOCATED - Kemptville Extension (Lot 1609).
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Mining Division Division minière	Vancouver	District District	New Westminster
County Comté		Township or Parish Canton ou paroisse	
Lot		Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.	R. R.	

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Map 1152 A indicates the area is underlain by diorite of the Coast plutonic complex and a pendant of Upper Jurassic and Lower Cretaceous volcanic and sedimentary rocks of the Gambier Group. The mineralization, which may be classified as contact-metamorphic, is mainly restricted to limestone or calcareous sediments. The mineralized zones are localized along favourable bedding planes and a series of shear zones and fissures. The strongest shear zones associated with the mineralization have a northwest trend. Local cross-faulting is intense, making it difficult to trace some of the mineralized zones. The mineralization consists chiefly of massive dark sphalerite, galena, pyrrhotite, chalcopyrite, and pyrite (in order of abundance), in a gangue of slightly vuggy, coarse quartz or skarn minerals. Silver values are reported to vary from a trace to 2 ozs/ton.

Associated minerals or products - Silver, lead.
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property is located between elevations of 2,000 and 3,500 feet on the north side of Hayes Creek, an easterly flowing tributary of Lynn Creek, some 4 miles north of North Vancouver. Access is subject to regulations of the North Vancouver Water District.

The Kemptville No. 2, Kemptville, and Kemptville Extension claims, Lots 1607-1609 respectively, were Crown-granted in 1893 to T. Tompkins, H. Abbott, and G. Bower respectively. The Evening Star claim, Lot 1633 A, was Crown-granted to R.E. Cooper in 1909.

Lynn Creek Zinc Mines, Limited was incorporated in 1912 to acquire the Crown-grants and adjacent claims. Development work continued into 1913. Further underground exploration and development was carried out during 1915-16 while the property was under bond to G.A. Kent. Development work to late 1917 included considerable trenching, approximately 600' of crosscuts and drifts in 4 adits, and 700' of diamond drilling. The Russel, Jersey, Lynn Fraction, Cascades, Fleming, and Pretty Bess claims, Lots 3748-3750, 3752, 4025, and 4026 respectively, were Crown-granted to the company in 1919.

The AB Trites interests optioned the property in the fall of 1924 and installed new camp facilities but the option was given up the following spring. The Porcupine Goldfields Development & Finance Company, Limited held an option on the property for a short period during 1926-27. Graham-Bousquet Gold Mines, Limited held an option on the property during 1951-52 and carried out rehabilitation of the adits, sampling, and 3,630' of diamond drilling in 17 holes. Palisades Zinc Mines, Limited, incorporated April 1942, apparently held the property under option for several years but no work was reported.

Alscope Explorations Ltd. acquired the property in 1956; the company name was changed in 1961 to Alscope Consolidated Ltd. Some geological and geophysical work was apparently carried out in 1963. A feasibility study was carried out by Chapman, Wood & Griswold Ltd. in 1963. Inferred reserves were estimated at 300,000 tons (Western Miner & Oil Review, November 1963, p. 32). The grade is reported to be in the order of 20% zinc (NM 31/10/63).

+ Reddick, J.A.; Vancouver North, Coquitlam, and Pitt Lake Map-Areas, British Columbia; Memoir 335, p. 189, Geol. Surv. of Canada, 1965.

Reports of Minister of Mines, British Columbia: 1896, p. 562; 1909, p. 278; 1912, p. 201; 1913, pp. 307-309⁺⁺; 1915, p. 292; 1916, p. 369; 1917, p. 280; 1919, p. 371; 1924, p. 244; 1926, p. 333; 1927, p. 361; 1951, p. 195; 1952, p. 208.

Armstrong, J.E.; Preliminary Map Vancouver North, British Columbia; Paper 53-28, p. 7, Geol. Surv. of Canada, 1954.

Le Roy, O.E.; Preliminary Report on a Portion of the Main Coast of British Columbia and Adjacent Islands; Separate Report No. 996, p. 31, Geol. Surv. of Canada, 1908.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1942, Investigation No. 1295.

Zinc Mine on Burrard Inlet; Western Miner and Oil Review, Vol. 36, No. 11, Nov. 1963, pp. 32-34.

Minerals Sector; Corporation Files: "Lynn Creek Zinc Mines, Limited"; "Palisades Zinc Mines, Limited"; "Alscope Consolidated Ltd.".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1152 A, North Vancouver, (Geol.), Sc. 1":1 mile - accomp. Memoir 335.

Map 42-1963, Squamish, (Geol.), Sc. 1":4 miles.

#Map 92 G/6, North Vancouver, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	07-80						