

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ARLINGTON

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Division minière	Slocan	District District	Kootenay
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

Arlington Silver Mines, Ltd.,
809 - 525 Seymour St.,
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The Arlington lode is a mineralized crushed zone in coarse-grained hornblende granite or granodiorite of the Nelson batholith. The zone includes a number of parallel fissures and maintains a uniform strike of north 34°E and a dip of 65° to 70° east. It has a width of from 60 to 70 feet. The ore is largely replacement of the country rock. The chief ore minerals are galena and zinc, both of which are associated with disseminated stephanite, grey copper and native silver. Pyrite and chalcopyrite are present in minor amounts.

Associated minerals or products - Lead, zinc.
Minéraux ou produits associés

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

The Arlington mine is located on Springer Creek at an elevation of 5,200 feet. It may be reached by 6½ miles of road from Slocan City. The property was staked about 1894 and comprises the Stephanite fraction, Burlington No. 2, Arlington No. 1 fraction, and Arlington No. 2 Crown-granted claims.

The first shipment of ore was made in 1897. The property was worked extensively from 1899 to 1903, production reaching a maximum in 1901. During this period the property was developed by three tunnels over a vertical range of 150 feet. Most of the stoping was done in the upper 50 feet. In 1919 the property was owned by the Rithet Estate and leasers began shipping ore from the dump.

During 1928 the Bayview Mining Co. held an option on the property and began driving a 4th level, the direction of the tunnel being determined by a Radiore survey. In 1937 the Slocan-Arlington Mines Development Co. of Penticton made a shipment of ore from the dump. Leasers shipped from the dump in 1939 and 1948. In 1951 the Ottawa Silver Mining & Milling Co. made a small shipment from the dump.

Amaque Gold Mines Ltd. obtained an option on the property in 1961 from B.I. Nesbitt of Vancouver. The old "A" level was rehabilitated by stripping the first 80 feet, which was caved, and retimbering 238 feet of drift. The level was reopened for a length of 700 feet. The portal of "D" level was opened up and some surface stripping was done. On "A" level eight diamond drill holes were completed, with a total length of 600 feet. The holes were drilled along the drift at intervals to explore the shear from footwall to hanging wall.

In 1962 B.I. Nesbitt made a shipment of ore from the dump. Arlington Silver Mines purchased 16 claims including the Arlington mine in 1964. The road and two adits were reopened. In 1969, Arlington became Western Arlington Resources Ltd. and in 1986 changed its name to Lightning Creek Mines Ltd. In 1981, Svienson Way Mineral Services Ltd. purchased 50% interest in the property. From previous work there were blocked out 47,525 proven surface dump tons of 14.23 ounce per ton Ag, 0.49% Pb and 0.39% Zn; 19,257 indicated underground tons at 20.40 ounce per ton Ag, 1.04% Pb and 0.85% Zn. (Vancouver stock Exchange Statement of Material Facts (#108/90, 1990). During 1989 and 1990, Cazador Explorations limited purchased the property.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Up to 1924, 12,795 tons of ore were shipped from this property. This ore averaged 60 ounces in silver per ton and about 5% lead.

Ore shipped from the dump between 1937 and 1962 amounted to 1,434 tons. From this ore 12,930 ounces of silver, 38,180 pounds of lead and 27,076 pounds of zinc were recovered. Between 1898 and 1902, there were produced 1,010,600 troy ounces of Ag, 1,892,200 pounds Pb and 252,900 pounds Zn (SMF 108/90).

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Description of Properties, Slocan Mining Camp, B.C.; Mem. 184, p. 168, Geol. Surv. of Canada, 1935.

Annual Reports, Dept. of Mines, B.C.: 1896, p. 72; 1921, p. 139; 1937, p. E 56; 1939, p. 96; 1948, p. 148; 1961, p. 79.

Mineral Policy Sector; Corporation File: "Arlington Mining Co."; "Lightning Creek Mines Ltd."; "Cazador Explorations Limited".

Northern Miner: 21-5-64.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 272 A, Slocan Sheet, (Geol.), Sc. 1":1 mile - accomp. Mem. 173.

Map 1090 A, Nelson, (West Half), (Geol.), Sc. 1":4 miles - accomp. Mem. 308.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par		JL					
Date Date	05-64	10-90					

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