

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ARLINGTON (NEW ARLINGTON)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Division minière	Nelson	District District	Kootenay
County Comté		Township or Parish Canton ou paroisse	
Lot 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

High gold values accompany galena, pyrite, and sphalerite in a quartz vein that follows a granitic sill in massive argillite and argillaceous quartzite of the Hall formation of Jurassic age. The sediments strike north with a low dip to the west. The vein averages about 2 feet in thickness and in places lies below, and in places above, the granitic sill. The vein lies in strata forming a shallow synclinal roll down the dip and this structure may have been a controlling factor in localizing mineralization. The granitic sill and vein are faulted in the eastern part of the workings by a northerly striking fault with easterly dip which drops the vein on the east side approximately 45 feet.

- Lead, zinc, silver.

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

This property, consisting of 9 Crown-granted claims and fractions, is located between Rest and Hooch Creeks about 3 miles northwest of Salmo.

The Arlington claim (Lot 3648) was Crown-granted to the Hastings (British Columbia) Exploration Syndicate Ltd. in 1899. The mine was in continuous operation from 1900 until June 1912; leasers kept the mine operating until November 1913. No further work was done until 1927 when the Arlington Mining Company reopened the mine and installed a 15 stamp mill; the company operated intermittently through 1928.

In 1929 the property was acquired by Relief-Arlington Mines Ltd.; the company was subsequently controlled by the W.N. O'Neil Company Ltd. and in the 1940's by Premier Gold Mining Company. The mine was operated under lease by R. Oscarson from 1932 to 1942.

Messrs. Schrieves and R. & K. Golac optioned the property in 1943 and acquired title to it in 1945. Intermittent operations were carried on by the owners or by leasers until October 1948 when F.C. Buckland optioned the property. Subsequent operations were carried on under an agreement by Kenville Gold Mines Limited until May 31, 1950, when the property reverted to the former owners.

New Arlington Mines Limited was formed in December 1951 to work the property. The mill capacity was increased from 50 to 125 tons per day and milling operations, mainly of dump material, continued into 1954. Subsequent operations were carried on intermittently by leasers. In about 1961 the property was acquired by J. Russell of Borrega Springs, California.

Development work totals over 17,000 feet of drift, crosscuts and raises. The vein has been explored and largely mined out for 1,500 feet along the strike.

In 1969, G.D. Fox and Associates of Trail, hauled material from the old dumps to the Trail smelter. These operations ceased in 1970. It is possible that Shalman Resources Limited held the property in 1975.

In 1982, the property was owned by Chutine Resources Ltd. and acquired the deposit as part of a 20 claim group. They estimate that there are 125,000 tons of dump material from which samples assayed between 0.088 and 1.56 ozs Au/ton. (NM, Oct. 28, 1982, p. 6).

p.t.o.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1900 to 1964, inclusive, 47,957 tons of ore were shipped from this property. From this ore, 50,883 ounces of gold, 123,222 ounces of silver, 869,985 pounds of lead, and 645,405 pounds of zinc were recovered. According to British Columbia Ministry of Energy, Mines and Petroleum Resources between 1900 and 1970 there were mined 69,823 tonnes, 15,182 were milled from which were recovered 1,700,339 grams Au, 4,334,578 grams Ag, 520,420 kg's Pb, 456,920 kg's Zn (BCI 82 F/SW - 205).

REFERENCES/BIBLIOGRAPHIE

Walker, J.F.; Geology & Mineral Deposits of Salmo Map-Area, B.C.; Memoir 172, p. 75, Geol. Survey of Canada, 1934.

Mineral Policy Sector; Corporation Files: "Relief Arlington Mines Ltd."; "New Arlington Mines Ltd."; "Chutine Resources Ltd."

Annual Reports, Dept. of Mines, B.C.: 1900-1964.

Mines Branch, Ottawa; Investigation No. MD 2599; Concentration and Cyanidation Tests on a Sample of Low Grade Dump Material, containing Gold, Silver, Lead and Zinc, from the Arlington Mine, Ymir Area, Nelson District, B.C.; Report of the Mineral Dressing & Process Metallurgy Division, 1949.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy, 1935, Rept. 771, pp. 134-141 (No. 653).

B.C. Ministry of Energy, Mines and Petroleum Resources; Exploration and Mining in British Columbia, 1969, p. 318.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1145 A, Salmo, B.C., (Geol.), Sc. 1":1 mile.

Map 283 A, Salmo, B.C., (Topo.), Sc. 1:50,000.

HISTORY OF EXPLORATION AND DEVELOPMENT (con't)

In 1981, Chutine had optioned the property from Erie Mines Ltd. In 1983, a soil geochemical survey was carried out and there were mined, milled, and shipped to smelter, about 3,400 tons of 0.07 ounce per ton Au. In 1985, Ryan Exploration Company Ltd. acquired Chutine's interest. Chutine dropped its option in 1988.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par			JL				
Date Date	11-65	03-73	12-82				