

PRODUCT PRODUIT	SILVER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 103 P/6,5,11,12 RÉGION DU S.N.R.C.	REF. AG 2 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

Alice, Lone Maid, Anna Mack

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division Division minière	Skeena	District District	Cassiar
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

Argillites bonded with argillaceous quartzite strike north-west and dip southwest at moderate angles. These rocks have been intruded by narrow lamprophyre dykes striking northeast.

On the Alice group the mineral deposit is a quartz vein varying in width from a few inches up to 3 feet. It lies parallel to the strata and has been traced along the surface for 1,500 feet northwestward from the southern boundary of the group. The metallic minerals in the vein are pyrite, arsenopyrite, galena, tetrahedrite, and silver minerals. An open cut discloses a small shoot of high-grade silver ore, but the shoot is not present in an adit along the vein a short distance below. This vein may be the northward extension of the main vein on the Esperanza property.

On the Anna Mack claim an open cut exposes a sparsely mineralized, 6-inch quartz vein in argillite. On the Lone Maid claim the mineral deposit is a quartz-calcite vein striking southwest and dipping steeply northwest. The vein is 1 to 5 feet wide and has been traced for a distance of 75 feet. Pyrite, chalcopyrite, pyrrhotite, sphalerite, and galena occur in very small amounts. The main vein of the Esperanza may continue north across the Lone Maid claim.

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

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

This property is located at about the 1,500 foot elevation on the west side of the Kitsault River 1½ miles north-northwest of the community of Alice Arm. The Anna Mack claim lies north-west of and adjoining the Alice group. The Lone Maid claim lies south of and adjoining the Alice, and is adjoined on the south by the Esperanza property.

The Lone Maid claim (Lot 3191) was Crown-granted to G. Chambers and W.H. Cooper in 1916. Exploration work had been done in open cuts and a short adit. In 1922 the claim was bonded to an Anyox syndicate and further underground work was done; the adit was driven 75 feet southwest along the vein and from a point 55 feet from the portal a crosscut was driven northwestward 95 feet along the strike of the country rock.

The Alice group is comprised of 4 claims in a square block, the Alice, Silver Ridge, Butte, and Progress. The claims were owned by J. Strohnbeck & associates in 1916. Exploration work to that date had been done in open cuts and 4 adits; the lowest adit was driven as a crosscut for 30 feet and a drift on the vein for 55 feet; further to the northwest 3 short adits totalling 125 feet were driven. In 1922 the Alice group was owned by J. Smith & associates, of Anyox. Further exploration work was done on the vein in open cuts and a short crosscut adit.

The Anna Mack claim, owned by W. Cummings, was explored by open cuts which are reported to have exposed the continuation of the Alice vein.

Esperanza Mines, Limited, owner of the Esperanza property, optioned an additional 16 claims in 1929, including the Alice group and probably the Lone Maid and Anna Mack claims. Exploration work by the company was carried out on the Alice group in 1929, and during the period 1932 to 1935, and in 1947. Two crosscut adits were driven to the vein and drifts along it. In the upper one the vein-zone is exposed for 65 feet and consists of several narrow stringers. In 1947 the other adit, 30 feet lower, was extended southeasterly for a few feet into massive intrusive rock, following a narrow zone with small lenses of mineralization. A 10-inch vein at the other end of the drift, 65 feet to the northwest, contains quartz and wall-rock well mineralized with galena and sphalerite.

Angelo Lorinde acquired the Alice property, and the adjacent Esperanza property, which were transferred to Lori Explorations

p.t.o. ....

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa  
Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa  
509385 \*

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

Ltd. in August 1968. Part of the ground was acquired as mineral leases and the remainder was staked as the Lori group of claims. The underground workings on the Alice property were surveyed in 1969.

REFERENCES/BIBLIOGRAPHIE

- Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 52, 53, 70, Geol. Surv. of Canada, 1935.
- Hanson, George; Mineral Deposits of Alice Arm District, British Columbia; Summary Report 1928, Pt. A, pp. 37, 38, Geol. Surv. of Canada.
- Reports of Minister of Mines, British Columbia: 1916, p. 62; 1922, p. 56; 1923, p. 56; 1925, p. 74; 1929, p. 84; 1934, p. B 14; 1947, p. 92.
- Mineral Policy Sector; Corporation Files: "Esperanza Mines, Limited"; "Lori Explorations Ltd."
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, pp. 64-67.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 307 A, Portland Canal Area, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 175.

Map 103 P, Nass River, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	03-68	10-71					