

PRODUCT PRODUIT	SILVER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 103 P/13 RÉGION DU S.N.R.C.	REF. AG 24 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

NORTH FORK BASIN (PRIMROSE) (FRASER)
(GREENPOINT LEAD), GRANDVIEW

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 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

The claims are underlain by argillites and volcanic rocks of the Hazelton group. The main eastern contact of the Coast Range intrusives lies about 1 mile southwest of the workings. In the vicinity of the workings the argillites strike north to northwest and dip steeply westward. Two veins are exposed in the workings. One is in a shear zone about 3 feet wide that strikes north and dips 45° west, and consists of quartz mineralized with pyrite, galena, sphalerite and tetrahedrite. A fault forms the hanging-wall of the vein, and because of crushing and brecciation along the fault the vein is ill-defined. The other vein is 1 foot wide and contains similar mineralization. At 40 feet in a drift adit this vein was offset by a fault.

Other showings described under the Fraser group, consist of a rusty area of volcanic rocks 1,000 feet across which is heavily impregnated with pyrite, pyrrhotite, and some arsenopyrite and chalcopyrite. There are also several quartz veins in the rusty area.

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

The main workings are at the 4,300 foot elevation on the south side of the glacier at the head of Kate Ryan Creek (North Fork Marmot River), 4 $\frac{3}{4}$ miles southeast of Stewart. Other showings occur on the Fraser claims, adjoining to the northwest at a lower elevation.

The North Fork Basin group of 8 claims, consisting of the North Fork Basin, Iron Mask, Crawford, Baldie, Prince, Copper, Mount Marmot, and Lucky Boy claims, was owned and under development in 1916 by Messrs. Fraser, Wood and Magee. During the year 200 feet of underground work was done. A 42 foot deep shaft may have been sunk prior to 1916. Additional claims were subsequently staked and in 1919 the property was described under the North Fork Basin and Fraser groups. The Fraser group, owned by Wm. Fraser, of Stewart, consisted of the Red Bluff, Red Bluff No. 2, Ivy, Bessie, Mt. Marmot, Rusty Ridge and Jewel claims. The Grandview group of 4 claims, located in this vicinity, was owned by Messrs. Fraser, Magee, Gilfillan and Cullen. Sterling Mining Company, Limited was formed in March 1920 to take over the Grandview group. No work was reported and the company charter was surrendered in 1924.

The North Fork Basin group was optioned in 1924 by W. Harner and 92 feet of crosscut was driven at that time. Some eighteen claims were apparently optioned by a Thomas Campbell, who organized Sterling Silver-Lead Mines Limited in March 1925. According to a company prospectus, the workings were on the Primrose claim, which indicates a restaking of some of the original claims. The company holdings were expanded to include the ground extending southwesterly down slope to the Marmot River and including the Wire Gold group for a total of 22 claims. The Company failed to meet the terms of the option and the claims are reported to have passed into the hands of a Mr. S.K. Green.

International Metals Exploration Company, a Seattle organization registered in British Columbia in 1926, purchased the claims from Mr. Green. No work was reported done by the company.

Marmot Consolidated Mines, Limited, formed in June 1927, purchased, for shares, the claims held by International Metals and acquired the adjoining Wire Gold and Patricia groups. Additional claims were acquired to include all the ground on the west end of the ridge between the Marmot River and Kate Ryan Creek. No work was reported and the company charter was surrendered in 1930.

Associated minerals or products
Minéraux ou produits associés

- Lead, zinc, antimony, copper.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A trial shipment of two tons of ore in 1916 assayed: Lead, 22%; zine, 22%; silver, 200 ounces a ton.

In 1924, 8 tons of ore were shipped from this property under the name North Fork Basin. From this ore 900 ounces of silver, and 2,000 pounds of lead were recovered.

REFERENCES/BIBLIOGRAPHIE

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 115, 133, 128, G.S.C., 1935.

Reports of Minister of Mines, British Columbia: 1916, p. 85; 1919, p. 63; 1920, p. 53; 1921, p. 62; 1925, p. 81; 1926, p. 87; 1928, p. 93; 1951, p. 76.

Mineral Policy Sector; Corporation Files: "Sterling Silver-Lead Mines, Limited"; "Marmot Consolidated Mines, Limited"; "Marmot Lead & Zinc Mines Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 215 A, Stewart Sheet, B.C., (Geol.), Sc. 1":1 mile - accomp. Memoir 159.

Map 193 A, Stewart Sheet, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	01-68						

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NAME OF PROPERTY NOM DE LA PROPRIÉTÉ	NORTH FORK BASIN (PRIMROSE) (FRASER) (GREENPOINT LEAD), GRANDVIEW		HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR			
			<p>The old workings include an inclined shaft sunk 110 feet along the dip of the vein; an adit, 80 feet below the shaft collar and 160 feet north, has been driven south and joins the bottom of the shaft. Another adit, 80 feet south of the shaft, was driven for 40 feet on the vein; at the face of the adit the vein is offset by a fault.</p> <p>What was reported as new showings, discovered by Owen McFadden in 1951 at about the 2,500 foot elevation on the south side of Kate Ryan Creek between the glacier and the Kate Ryan Creek trail, were probably the extension of the known showings of the former Crawford or Ivy claims. The Greenpoint Lead group of 8 claims was staked by Mr. McFadden on these showings, covering in part at least the ground formerly included in the North Fork Basin and Fraser groups.</p> <p>Marmot Lead & Zinc Mines Limited, which was formed in September 1951, purchased the Greenpoint Lead group and through purchase or staking acquired the adjoining Trio, Vernon and Marmot Lead groups for a total of 24 claims. These claims all lay east of Kate Ryan Creek and apparently covered much of the ground formerly held by Sterling Silver-Lead Mines. Marmot Lead & Zinc Mines also purchased an adjoining 22 acres (Lot 467) from Big Four Silver Mines Limited, including part of the ground on which the Porter-Idaho tramway was located. Work done by Marmot Lead & Zinc Mines on McFadden's showings in 1951 included 120 feet of drift and 20 feet of crosscut in one adit, and open cutting. No further work was reported and the company charter was surrendered in 1961.</p>			