

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

VIGILANT, LULU, and DIXIE FRACTION

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division
Division minière

Slocan

County
Comté

Lot

Sec
Sect.

Lat. 49°47'

Lat.

Township or Parish
Canton ou paroisse

Concession or Range
Concession ou rang

Tp.
Ct.

Long. 116°56'

Long.

Kootenay

District
District

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The surrounding rocks are micaceous and chloritic schists, quartzites and limestones of the Lardeau series with westerly dips of about 40°. Some pegmatitic sills intrude the schists. Drag folding, faulting and flowage have produced complex structures. Many steep fractures, containing narrow widths of quartz cross Woodbury Creek in the first half mile from the lake. Parts of these veins contain lenses of galena with some sphalerite. Replacement ore as a rule only extends 2 or 3 feet from the quartz veins. The most favourable replacement rock is a soft brownish biotitic calcareous schist. Vein width varies up to 4 feet with coarse galena occurring in some of the wider portions.

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

The Vigilant and Lulu claims lie to the east of Woodbury Creek, between the creek and the Ainsworth-Kaslo highway. The adjoining claims are the Zoa, Diamond Jubilee, Duplex No. 2 and the Dixie Fraction. The claims in this area were originally staked by the King Solomon Mining Co. Ltd. in about 1904. A small amount of exploratory work was done at this time and a few tons of sorted ore shipped. Most of the present claims are relocations of cancelled Crown grants bearing the same name.

All the above claims, along with the August Fraction and Nameless Fraction were obtained by Dr. L.D. Besecker of Woodbury Creek in 1949. This group of claims became known as the Woodbury Group. A lease on the property was obtained by Privateer Mines Ltd. later that same year. About 150 feet of tunnel was driven and 700 tons of ore shipped but the returns were less than expected and the operation was abandoned.

In 1950 J.A. Cooper obtained the Vigilant and Zoa claims on a lease-purchase agreement. On the Vigilant claim, two adits, 25 feet above the creek on the east bank are collared 16 feet apart and follow two steeply dipping quartz veins in a general easterly direction. The veins join and the two adits come together about 40 feet in. The old adits were found to contain replacement ore. Stopping was done over a 150-foot length in the old adit and the tunnel was extended to a total length of 290 feet. Another adit was collared 100 feet above the old adit and the tunnel driven for 315 feet. The vein narrowed toward the face of the tunnel but near the portal it warranted stoping through to the surface. Work on this claim ceased in 1953. The present tunnel faces are somewhere near the claim boundary.

On the Lulu claim the extension of the fissure vein developed on the adjoining Vigilant claim was traced along strike. An adit was driven to a point below a good surface exposure but the vein was almost barren at this horizon.

On the Dixie Fraction claim some trenching and shallow tunneling was done to investigate a vein which is exposed on the adjoining Budweiser No. 2 claim.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

During the period 1949-1953, 5,163 tons of ore was shipped from the Vigilant claim. From this ore 2 ounces of gold, 13,615 ounces of silver, 841,441 pounds of lead, 369,174 pounds of zinc and 704 pounds of cadmium were recovered.

A shipment of 6 tons of ore was made from the Lulu claim in 1954. From this ore 113 ounces of silver, 7,163 pounds of lead and 440 pounds of zinc were recovered.

In 1954, 148 tons of ore was shipped from the Dixie Fraction claim. From this ore 359 ounces of silver, 20,711 pounds of lead and 2,061 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Annual Report, Dept. of Mines, B.C.; 1949, pp. 181-182.

Annual Reports, Dept. of Mines, B.C.; 1950, p. 136; 1952, p. 169; 1953, p. 133.

Schofield, S.J.; Geology and Ore Deposits of Ainsworth Mining Camp, British Columbia; Mem. 117, Geol. Surv. of Canada, 1920.

Brame, S.; Mineralization Near the Northeast Margin of the Nelson Batholith, Southeast British Columbia; M.Sc. Thesis, U. Alberta, 1979. (Abstract in CIM Bull., Nov. 1980, p. 28.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 603 A, Nelson, (Geol.), Sc. 1:4 miles - accomp. Mem. 228.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	06-62						

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