

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 104 A/4
RÉGION DU S.N.R.C.

REF. AG 6
RÉF.

NAME OF PROPERTY VIRGINIA K., BRYANT (EXCELSIOR), ARGENTINE
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 56°14'
Lat.

Long. 129°54'
Long.

Mining Division Skeena
Division minière

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 underlying rocks consist of argillites, sandstones, conglomerates, and tuffs of the Jurassic Hazelton group. The sediments have a general easterly dip of 15 to 20°, but in places are acutely folded, and are intruded by tongues of porphyritic andesite. Three types of ore deposit are represented: a replacement shear zone in argillite; bed-veins between interbedded sandstone, sandy argillite and tuffs; a fracture-zone consisting of quartz veins and veinlets in reticulated structure.

The replacement shear zone, on the Virginia K. group, strikes N80°E and dips 70°N with width exposed in open cuts of from 10 to over 20 feet of severely crushed, decomposed, and highly manganiferous vein-matter. In some of the cuts, seams of unoxidized ore in a quartz gangue carrying a mineralization of galena, sphalerite, and pyrite can be seen. A representative sample of the unoxidized material assayed: gold, trace; silver, 3.0 ounces a ton; lead, nil; zinc, 4.1%. Slightly westerly of the replacement zone open cuts on bed-veins expose widths of 3 to 4 feet of highly oxidized vein-matter striking N19°W and dipping about 15°E, conformable to the formation

p.t.o. ...

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

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

This property is located on American Creek, about 20 miles north of Stewart.

The B.L.K., Bryant, Dundee, and Virginia K. groups were staked in 1929 on discoveries made by D.D. Kimball. The B.L.K., Bryant, and Dundee groups extend from the creek, westerly up slope to the 4,500 foot elevation. The Virginia K. group extends from the creek, easterly up slope to about the 3,800 foot elevation. Later in 1929 the Excelsior Prospecting Syndicate, of Stewart, was formed to explore the claim groups. Surface exploration and open cutting led to the discovery of new showings on the east side of the creek in 1931 and additional claims were staked as the Virginia K. Extension group.

Excelsior Prospecting Syndicate, Limited was formed in May 1932 to further the exploration work, which was now concentrated on the 11 claims and 8 fractional claims in the Virginia K. and Virginia K. Extension groups. Work by the company was confined to open cutting and a few feet of tunneling.

The Argentine group of 24 recorded claims, located at the 3,000 foot elevation on the west side of American Creek was held by Messrs. McLeod, Bugnello, and Jokanovitch of Stewart, in 1956. Canadian Exploration, Limited optioned the claims in September 1956 and completed 300 feet of diamond drilling on showings which consist of disseminations and streaks of chalcopyrite in andesitic breccias. The results were not encouraging and the option was dropped.

The Virginia K 1-5, Virginia K Extension 1-6, Virginia K Fraction No. 3, and Star 2 and 3 Fractional claims (Lots 5810-5823) were Crown-granted to the Excelsior Prospecting Syndicate, Limited in 1941.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1935, 16 tons of ore were shipped from this property. From this ore 1,574 ounces of silver, 125 pounds of copper, and 3,892 pounds of lead were recovered.

REFERENCES/BIBLIOGRAPHIE

Mandy, J.T.; North-Western Mineral Survey District (No. 1); Report of Minister of Mines, British Columbia, 1935, p. B 23.

Annual Reports, Department of Mines, British Columbia: 1929, p. 104; 1930, p. 109; 1931, p. 44; 1932, p. 59; 1935, p. B 24; 1938, p. B 26; 1956, p. 18.

Hanson, George; Bowser River Area and North Part of Portland Canal Area, British Columbia; Summary Report 1931, Pt. A, p. 21, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "Excelsior Prospecting Syndicate, Limited".

Grove, Edward W.; Geology and Mineral Deposits of the Stewart Area; Bulletin No. 58, p. 168, British Columbia Dept. of Mines, 1971.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, p. 114, Geol. Surv. of Canada, 1935.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

Stewart Area, Crown-grant claim map - Fig. 15 C - accomp. Bulletin No. 58.

Map 104 A, Bowser Lake, B.C., (Topo.), Sc. 1:250,000.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

which appears to be a gradation of sedimentary and tuffaceous rocks. The third type of deposit, the fracture zone or small stockwork, occurs in tuff. It is about 20 feet in width and consists of quartz stringers from $\frac{1}{2}$ to 1 inch in width, fairly well mineralized with pyrite, galena, chalcopryrite, and some sphalerite.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	05-67	10-74					