

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CHARLESTON, KEYSTONE, COLORADO

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 50°03'22"
Lat.

Long. 117°08'
Long.

Mining Division
Division minière

Slocan

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

Buchanan Mines Ltd.,
15816, 112th Ave.,
Edmonton, Alberta.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Three well defined veins, one each on the Charleston, Keystone, and Colorado claims, strike in a general direction of about N60°W and dip to the southwest at an average angle of 50 to 65°. The veins are zones of shearing and fissuring following or cutting at small angles the rock formation which is composed chiefly of black slaty sediments interbedded with narrow bands of limestone, all of the Slocan series. The veins vary in thickness from a few inches to several feet and contain lenses and shoots of zinc-lead-silver ore. Sphalerite is the most abundant ore mineral and is associated in places with an abundance of grey copper carrying good values in silver. Galena is irregularly distributed through the ore. Quartz and siderite are the chief gangue minerals and the vein filling includes a large proportion of the associated country rock.

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

The property is located on the west side of Whitewater Creek and adjoins the Whitewater property on the north. The Charleston vein is the most northerly, the Keystone vein outcropping about 1,200 feet to the south; the Colorado vein outcrops about 800 feet south of the Keystone vein.

Development work was begun on the Charleston claim (Lot 2091) by J. Mitchell in 1894 and the claim was Crown-granted to The Charleston Mining Co. Ltd. in 1898. The Colorado claim (Lot 1476) was being worked in 1896 and was Crown-granted to H. Hulbert in 1898. The Keystone claim was Crown-granted to L.B. Keysey in 1899. Very little work was done on the property from 1898 until 1914.

A.J. Harris leased the property in 1914 and carried on small scale development work for several years during which time he apparently secured ownership of the claims. In the period 1920 to 1923 the property was held successively by the Keystone Development Co., the Charleston Silver Mines Co. of Vancouver, and the Northern Trust Co. of Winnipeg. Harris resumed operations in 1924; he optioned the claims to E.J. Edwards of Seattle in 1926 and in 1928 the Keystone Charleston Mining Co. Ltd. was formed to operate the mine; the company ceased operations in 1929.

The property lay idle from 1929 until 1946 with the exception of a small amount of work done by Mr. Harris in 1930 and again in 1938-39. The Slocan Charleston Mining Co. Ltd. purchased the claims from Mr. Harris in 1946 and began to re-open the workings. A small amount of mining was done by the company in 1950 and again in 1955.

The Charleston vein has been explored by 2,000 feet of tunnel in 5 adits over a vertical range of 350 feet; the Keystone vein has been developed by 570 feet of tunnel in 2 adits over a vertical range of 85 feet; the Colorado vein has been developed by about 300 feet of tunnel.

Buchanan Mines Ltd. began exploration of the property in 1965. Surface trenching is reported to have uncovered a new vein.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1898 to 1955, inclusive, 1,447 tons of ore were mined from the Charleston and Keystone veins. From this ore 5 ounces of gold, 31,175 ounces of silver, 148,560 pounds of lead, 142,069 pounds of zinc, and 443 pounds of cadmium were recovered. There is no record of any production from the Colorado claim.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Description of Properties, Slocan Mining Camp, B.C.; Memoir 184, pp. 201-203, Geol. Surv. of Canada, 1935.

Cairnes, C.E.; Preliminary Report on Slocan Mining Area, B.C.; Summary Report 1925, Pt. A, p. 192.

Annual Reports, Dept. of Mines, B.C.: 1894-1955; 1923, p. 210.

Mineral Policy Sector; Corporation File: "Slocan Charleston Mining Co. Ltd."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 273 A, Sandon, B.C., (Geol.), Sc. 1":4,000 feet - accomp. Mem. 173.

Map 82 K/3, E, Rosebery, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	09-65						

BCI 82 K/SW-31