

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

BIG SLIDE (GRANGE) (PLANT)

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 50°57'20" Long. 121°51'35"

Mining Division Kamloops  
Division minière

District Lillooet  
District

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 rocks in the vicinity of the property are shales, cherts, and greenstones of the Cache Creek group, which are here intruded by a small stock of diorite. In the mine workings the diorite is the dominant rock, and forms the host for two narrow lenticular quartz veins, referred to as the foot-wall and hanging-wall veins. These veins pinch and swell and may reach widths of 3 to 4 feet, but 8 inches is average. The foot-wall vein has a much flatter dip than the hanging-wall vein and probably joins it at depth. Northwest of the mine workings, the hanging-wall vein, which is the stronger of the two, outcrops in the bluffs for 1,000 feet where it strikes north 30 degrees west and dips 70 degrees northeast.

The ore consists of pyrite, pyrrhotite, arsenopyrite, chalcopyrite, marcasite, limonite, and native gold in a gangue of quartz and minor carbonate. The native gold is visible only in dense pyrite. The ore commonly occurs as banded sulphides with quartz, but in the wider sections of the veins may occur as isolated patches of sulphides. In most parts of the underground workings, a thin parting of gouge appears between the vein filling and the walls.

Associated minerals or products - Silver, copper, lead.  
Minéraux ou produits associés

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

This property is located on the east side of the Fraser River just south of Kelly Creek, some 17 miles south of Clinton.

The showings were discovered in about 1872 and the Foster Gold Milling and Mining Company was formed to develop the property. An unsuccessful attempt was made to recover the gold values in the ore by means of a crude arrastra about 1881; and finally in 1886 a ten stamp mill with desulphurizing furnaces was constructed at the mine-site. Active mining and milling operations were discontinued in 1887 after a period of three or four months operations.

The property lay idle until 1928 when the Big Slide Mining & Development Company Limited was formed to acquire a group of 14 claims. Development work was carried on until 1933 when the assets of the company were taken over by Grange Mines Limited. A 25 tons per day mill was in operation from 1933 until August 1935 when the mine closed.

Grange Consolidated Mines Limited, incorporated in 1937, purchased the property from Grange Mines Limited and carried on intermittent operations until June 1938; underground maintenance work was carried on until 1941; the claims subsequently lapsed.

A group of 16 claims, adjoining to the south the claims held by Grange Mines Limited, was acquired by Pavillion Gold Mines Limited in 1933. Development work was carried on into 1935 and consisted of a 170 foot deep shaft with about 240 feet of drift run from it at several levels.

In 1946 Rusdon Gold Mines Limited acquired the ground formerly held by Grange Consolidated Mines Limited and Pavillion Gold Mines Ltd. During the year 1,900 feet of diamond drilling was done in 4 holes.

The Grange property has been developed on 7 levels, three of which are adit levels.

## HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1934 to 1940, inclusive, 7,984 tons of ore were milled. From this ore 1,378 ounces of gold, 2,467 ounces of silver, 15,231 pounds of copper, and 120 pounds of lead were recovered.

## REFERENCES/BIBLIOGRAPHIE

Duffell, S. & McTaggart, K.C.; Ashcroft Map Area, B.C.; Memoir 262, p. 103, Geol. Surv. of Canada, 1952.

Richmond, A.M.; Big Slide Mining & Development Co. Ltd.; Report of the Minister of Mines, B.C., 1932, pp. 149-154.

Annual Reports, Dept. of Mines, B.C.: 1928, p. 214; 1933, pp. 184-185, 311-312; 1935, p. F 57; 1946, p. 121.

Mineral Policy Sector; Corporation Files: "Big Slide Mining & Development Co."; "Grange Mines Limited"; "Pavillion Gold Mines Ltd."; "Grange Consolidated Mines Ltd."; "Rusdon Gold Mines Ltd.".

Mines Branch, Ottawa; Ore Dressing and Metallurgical Investigation No. 722; Gold Ore from the Grange Consolidated Mines, Ltd., at Kelly Creek near Pavilion, British Columbia; Report No. 788; Investigations in Ore Dressing and Metallurgy, July-December 1937, pp. 36-51.

## MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1010 A, Ashcroft, B.C., (Geol.), Sc. 1":4 miles - accomp. Mem. 262.

Geological Map of the Fraser River Valley, B.C., Sc. 1":1 mile - Fig. 1, Sheet C - accomp. British Columbia Dept. of Mines Bulletin No. 44.

Map 92 I, Ashcroft, B.C., (Topo.), Sc. 1:250,000.

## REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	03-66						

BCI 92I/NW-36.