

PRODUCT LEAD  
PRODUIT

PROVINCE OR PROVINCE OU British Columbia  
TERRITORY TERRITOIRE

N.T.S. AREA 82 F/14  
RÉGION DU S.N.R.C.

REF. PB 19  
RÉF.

NAME OF PROPERTY BELL, SUNSET and TRADE DOLLAR  
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 49°59' Long. 117°10'

Lat.

Long.

Mining Division 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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property are mainly sediments of the Slocan series, which here form a syncline, the axis of which crosses the divide to the northeast of the main lode outcrop. The uppermost beds of the syncline are encountered in the upper mine workings. These are mostly massive quartzitic types with varying proportions of argillaceous and calcareous material. In these rocks a large part of the ore on this property has been found. Beneath these rocks are more slaty sediments interbedded with thinly banded fragile argillites and occasional narrow limestone beds, which have been cut by a number of acid porphyritic intrusives. The main lode, as developed in the workings, is nearly straight and varies in thickness from a fraction of an inch to over 6 feet. In addition branch lodes were encountered in the workings, and some work done on these. Mineralization consists almost entirely of sphalerite on the Bell claim, and on the Sunset and Trade Dollar it is associated with galena and silver.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

This property comprises a group of 6 Crown-granted claims extending across the divide at the head of Jackson Creek, between elevations of approximately 6,000 and 7,000 feet. Mining commenced here in the late 1890's and a considerable production, chiefly from the Sunset and Trade Dollar claims was obtained in the early years of this century. In the case of the Bell claim, the principal producing years were 1916, 1917 and 1918. After 1918 little work was done on any of the claims until the autumn and winter of 1926-27, when lessees shipped over 100 tons from old workings on the Trade Dollar.

The principal workings on the Sunset and Trade Dollar claims are 12 adits, 4 of which have been driven from the northern slope of the ridge on the Sunset claim, and the remainder from the southern slope on the Trade Dollar claim. The elevation of the main lode at the summit of the divide is 6,980 feet, nearly 1,000 feet above the lowest or No. 8 Trade Dollar adit. Altogether at least 7,700 feet of underground work, including drifts, crosscuts and raises has been done on these claims. In 1927, these workings were partly inaccessible, particularly in what had proved the more productive sections.

Workings on the Bell claim include 3 short adits over a vertical range of 90 feet. In 1927 these workings in the vicinity of the productive sections, were mostly inaccessible. Two bodies of nearly pure zinc ore were encountered in the No. 1 adit, but these did not continue far below this level. On No. 2 level a stope 40 feet long extends 15 feet above the level. This stoped area contained small lenses and streaks of galena, and in places as much as 3 feet of good zinc ore. The same zone continues to No.3 level, 30 feet below, but at this level mineralization is only narrow streaks of vein matter containing some sphalerite.

Little or no work has been done on the Sunset and Trade Dollar claims since 1927. On the Bell claim, several hundred tons of high-grade zinc ore were recovered from old dumps, and pillar and stope remains in the underground workings during 1943, 1944 and 1945.

*See also Resources Canada (AL 194/200)*  
*1943-1945 (AL 194/200)*

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

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa  
Secteur de la politique minérale, ministère de l'Énergie, des Mines et des Ressources, Ottawa  
507274 \*

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Mine	Period of Prod.	Tons Prod.	Metals Recovered		
			Silver(oz)	Lead(lbs)	Zinc(lbs)
Bell	1901-1918	1,127	3,631	32,174	1,442,126
Sunset	1901-1911	2,500	315,340	3,483,185	
Trade Dollars	1900-1927	225	21,574	203,573	128,122

In the period from 1943-45, a total of 774 tons of high grade zinc ore was shipped from the Bell workings. The 235 tons of ore treated in 1943 yielded 168,221 pounds of zinc. No inclination is given of the grade of the 390 tons of ore recovered in 1944, but the 149 tons shipped in 1945 had an average of 30% zinc.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 141-145, Geol. Series of Canada, 1935.

Little, H.W.; Nelson Map-Area, West Half, British Columbia; Mem. 308, Geol. Surv. of Canada, 1960.

Annual Reports, Dept. of Mines, B.C.: 1896-1927; 1943, p. 71; 1944, p. 70; 1945, p. 103.

*Sunset*

1901-1911 - 531  
 1901-1911, 561 (Total Silver) Ory. to S. P. ...  
 1901-1911 - 1026  
 1901-1911 - 201  
 1901-1911 - 160  
 1901-1911 - 145  
 1901-1911 - 214  
 1901-1911 - 99  
 1901-1911 - 134  
 1901-1911 - 149

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 273 A, Sandon, (Geol.), Sc. 1":4,000'.  
 Map 1090 A, Nelson, (Geol.), Sc. 1":4 miles - accomp. Mem. 308.

REMARKS/REMARQUES

According to Cairnes (1935, p. 143): "The ore mineralization at present in evidence on this property can hardly be regarded as attractive. The persistence of the main lode, however, is encouraging and there are certain sections of the mine where further exploration would be justified, notably: (1) in and below No. 4 Sunset and No. 4 Trade Dollars levels ... and, (2) on Nos. 7 and 8 Trade Dollar levels on either side of and within the large belt of porphyritic intrusives ... In the first-mentioned place the massive rocks are favourable for the formation of a lode and its subsequent mineralization, and in the second place the porphyritic intrusives are favourable for the same reason .... "

Comp./Rev. By Comp./rév. par							
Date Date	10-61						