

NAME OF PROPERTY

MOTHER LODE, AJAX

OBJECT LOCATED No. 2 adit - Mother Lode
claim (Lot 1508).

UNCERTAINTY IN METERS-200.

Lat. 49°10'45"

Long. 118°07'45"

Mining Division Greenwood

District

Similkameen

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The underlying rocks are Pennsylvanian and/or Permian limestones, argillites, and greenstones, of the Mount Roberts Formation. These rocks are cut by granodiorite dykes and apophyses, and by a basic gabbroidal rock. A westerly striking and northerly dipping quartz vein lies in greenstone between two large porphyry dykes. Where exposed the vein ranges from 2 to 6 feet in width. The quartz, which is somewhat milky, has small amounts of metallic sulphides scattered through it. Pyrite, galena, and sphalerite are the commonest, but chalcopyrite and some molybdenite also occur. On the surface the sulphides have been leached out, leaving free gold and some copper carbonates in the rusty and porous quartz. A little native copper is also reported to have been found at the surface. The principal value is in gold, but a little silver is also present. Platinum assays from a trace to 0.25 oz./ton were obtained in 1902 from samples obtained from both the upper and lower workings; these values have not been duplicated by more recent sampling; the platinum apparently occurring only in isolated segregations in certain sections of the workings. The upper and lower workings are on faulted sections of the same vein.

Associated minerals or products of value

Silver, lead, zinc, copper, molybdenum, platinum.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Mother Lode claim is located at the 4,500 foot elevation at the head of Jost Creek, 2½ miles northwest of Coryell.

The Mother Lode group, comprising the Mother Lode (Lot 1508), Ajax (Lot 1509), Ajax Fraction (Lot 1512), Daly (Lot 1510), Glengarry, Mountain View, and Mountain View Fraction, and Contact claims, were under development in 1900 by G.A. and H.P. Jackson and J. Miller. Contact Consolidated Gold Mines, Limited, was incorporated by the owners in May 1901. The Contact (Lot 1421), Mountain View, Mountain View Fraction, and Glengarry (Lots 2592-2594, respectively) were Crown-granted to the company in 1901. Work to 1903 totalled about 300 feet of crosscuts and drifts in 3 adits, a 65 foot shaft, and open cuts. Two of the adits were driven on the Mother Lode claim; the third adit was driven on the Contact claim.

No further activity was reported until 1925 when K.V. Mines, Limited, optioned the property. Some development work in the lower adit was reported by the company. The company charter (Contact Consolidated) was surrendered in 1956.

Christina Lake Mines Ltd., incorporated June 1964, acquired 20 claims and 5 leases, including the Mother Lode property; trenching was reported. Dalex Mines Ltd. held 35 claims during 1966-1969. Work included induced potential and geochemical soil surveys. Burnt Basin Mines Ltd. was incorporated in December 1971 to acquire 21 claims and fractions, and 15 mineral leases. By an August 1972 agreement, an 80% interest in the property was optioned to Donna Mines Ltd. In October 1972 Donna Mines gave a working option on the property to Grey River Mining Company Limited.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1900, p. 872; 1901, p. 1066; 1902, p. 304; 1903, p. 174; 1917, p. 201; 1925, p. 194; 1932, p. 123; 1964, p. 112; 1965, p. 173; 1966, p. 198. 1968, p. 236.

O'Neill, J.J. and Gunning, H.C.; Platinum and Allied Metal Deposits of Canada; Economic Geology, Series No. 13, p. 104, Geol. Surv. of Canada, 1934.

Mineral Development Sector; Corporation Files: "Contact Consolidated Gold Mines, Limited"; "Donna Mines Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 311.

Galloway, J.D.; Lode-Gold Deposits of British Columbia; Bulletin No. 1, 1932, p. 80, British Columbia Dept. of Mines.

MAP REFERENCES

Map 6-1957, Kettle River, (Geol.), Sc. 1"=4 miles.
 *Claim Map-Contact Consolidated Gold Mines, Limited.
 #Map 82 E/1 E, Grand Forks, (Topo.), Sc. 1:50,000.

REMARKS

BCI 82E/SE - 81

Comp./Rev. By	DMacR						
Date	9-74						

PRODUCT
PRODUIT

PROVINCE OR TERRITORY
PROVINCE OU TERRITOIRE

Preliminary

N.T.S. AREA
RÉGION DU S.N.R.C.

REF.
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

PRODUCT

GOLD.

2

PROVINCE BRITISH COLUMBIA.

MAP SQUARE

No. 82 F/4

NAME OF PROPERTY

Mother Lode Claim.

NEAREST POST OFFICE

Rossland.

LOCATION In Burnt Basin Camp, E. of Christina lake.

Mining Division Grand Forks. District Boundary.
(S. Dist., No. 4.)

County Township or Parish

Concession or Range, and Lot

L.S. Sec. Tp. R.

DEVELOPMENT WORK

1917: Tunnels (300 ft.), shaft (65 ft.), and open-
cuts (70 ft.).

Equipped
Not equipped

OWNERS OR OPERATORS AND ADDRESS

The Contact Consolidated Gold Mines, Ltd.
(Henry Jackson, Manager, Paulson, B.C.)

PRODUCTION

Material shipped

Date of first shipment

TRANSPORTATION

Shipping point

Distance from mine

Carrier

Destination

DESCRIPTION OF DEPOSIT

Ore or substance Gold.

Character of Deposit Veins of auriferous quartz, etc., from
1 ft. to 2 ft. 2 in. in width.

Country Rock

Associated minerals of value Platinum.

MAP REFERENCES

General and district maps

Detail maps, plans, sections

120981

BIBLIOGRAPHY

REMARKS

G. S. C., Ann. Rep. 1902-03, Vol. XV, p. 132 A.

Bur. of Mines, B. C., Ann. Rep. 1917, p. 201.

Situated about 15 mls. E. of the Boundary Creek map-sheet of R. W. Brock.

According to information given to Dr. W.L. Uglow on 16-5-1918 by C.S. Wallis, care of Edmonton Club, Edmonton, Alta., this occurrence is about a $\frac{1}{2}$ mile from the C.P.R., near Rossland. He stated that samples assayed \$10-12 Au, 2-3 ozs. Ag, and up to 1-1/8 oz. Pt.

Samples sent by the Mgr. to Baker & Co., Newark, N.J., for assays, yielded results, varying from traces to 0.25 oz. per ton.

In a sample assayed by Mr. Manly Baker, platinum was obtained but not weighed. In similar samples, Mr. D. Locke, of the G.S.C., obtained results varying from traces to 0.1 oz. per ton.

The quartz carries free gold, near the surface at least, and chalcopryrite, pyrite, galena, blende and molybdenite.

Veins of galena and blende occur in the limestone in the vicinity.

"The veins occur in disturbed areas where porphyry dykes are most numerous.

"The quartz has small amounts of metallic sulphides scattered through it; pyrite, galena and zinc are the most common, the occurrence of chalcopryrite and molybdenite also being noticeable. Quantitative tests showed values in platinum from 0.25 oz. a ton to 0.05 oz. a ton, and in other samples, nil.

It is evident that the platinum is unevenly distributed through the vein." (B.C. Rep., 1917.)