

Location/Identification

MINFILE Number:	093J 023	National Mineral Inventory Number:	093J14 Au1
Name(s):	RUBY MCDUGALL RIVER, NORTHERN REEF GOLD MINES		
Status:	Showing	Mining Division:	Cariboo
Regions:	British Columbia	Electoral District:	Prince George North
BCGS Map:	093J094	Forest District:	Mackenzie Forest District
NTS Map:	093J14W	UTM Zone:	10 (NAD 83)
Latitude:	54 56 54 N	Northing:	6089083
Longitude:	123 17 58 W	Easting:	480820
Elevation:	853 metres		
Location Accuracy:	Within 500M		

Mineral Occurrence

Commodities: Gold, Silver, Lead

Minerals

Significant:	Galena, Pyrite
Associated:	Quartz
Mineralization Age:	Unknown

Deposit

Character:	Vein, Shear
Classification:	Hydrothermal, Epigenetic
Type:	H05: Epithermal Au-Ag: low sulphidation
Dimension:	6x0x0 metres
Comments:	Workings were on a 6 to 9 metre outcrop of quartz.

Host Rock

Dominant Host Rock: Metasedimentary

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Unknown	Cariboo	Undefined Formation	-----
Paleozoic	-----	-----	Unnamed/Unknown Informal

Isotopic Age	Dating Method	Material Dated
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Lithology: Schistose Argillite, Limestone

Comments: Probably Cariboo Group.

Geological Setting

Tectonic Belt:	Omineca	Physiographic Area:	Northern Rocky Mountain Trench
Terrane:	Slide Mountain		
Metamorphic Type:	Regional		

Inventory

Ore Zone: VEIN
Category: Assay/analysis

Year: 1991
Report On: N
NI 43-101: N

Sample Type: Grab

Commodity	Grade
Gold	171.4000 grams per tonne

Comments: Highest assay from samples.

Reference: George Cross News Letter No. 92, May 13, 1991.

Capsule Geology

The Ruby showing consists of a number of quartz veins which occur in an area that is mainly underlain by schistose argillites that are likely part of the Cariboo Group.

Some of the veins conform with the strike and dip of the enclosing rock formations while others are crosscutting.

The main workings were on a 6 to 9 metre wide outcropping of quartz that showed a little pyrite and galena mineralization. Gold and silver values of the quartz veins were quite low although fairly significant gold values were reported from some of the country rock.

Samples from one vein, up to 6 metres wide, assayed up to 171.4 grams per tonne gold (George Cross News Letter #92, May 13, 1991).

In 1984 Ezekiel Explorations Ltd sampled sheared cataclastic limestone on its LS2 grid that assayed 1.5 grams per tonne gold (Assessment Report 13750). The sampled site is about 300 metres north of the plotted Ruby showing.

Rock samples collected in 1989 by Ezekiel from previously mapped and sampled quartz veins and sheared, cataclastic limestones in the vicinity of the old mine area, yielded very low gold and silver values. A few soil samples were collected in this area, but no gold values above the detectable level were obtained. The airborne geophysical survey maps, show this area as a large magnetometer low, and resistivity low. These lows were interpreted as being due to intense alteration (carbonatization) of the andesitic wallrocks, This and the presence of quartz veining in this area indicate the possibility of epithermal type mineralization.

Six mineral claims, the Ruby, Pearl, Flossie, Myrtle, Jason, and Midas, and 3 placer leases (690-692), were located circa 1932 on the same section of the McDougall river and in part overlapped. The claims were staked by A. Bellos of Prince George and subsequently optioned to H.C. Reed, of Victoria. The Cariboo Northern Development Company, Limited, was incorporated in July 1933 to acquire the mineral claims and placer leases. See McDougall River (093J 007) for a common history subsequent to the placer operations of the 1930s.

Bibliography

EMPR AR 1932-88; 1933-103; 1934-C14; 1936-C31

EMPR PF (Lay, D. (1936): Annual Report of Minister of Mines, Part C, Special Report)

EMPR ASS RPT 10231, 12164, 13215, *13750, 15879, 16269, 16880, *19329, 19930, 28535, 29357, 30563

EMPR EXPL 1983-432; 1985-C306,C307; 1987-C295

GSC MAP 1424A

GCNL #92, 1991

Date Coded: 1986/09/11

Coded By: Gary R. Foye(GRF)

Field Check: N

Date Revised: 2009/10/13

Revised By: Garry J. Payie(GJP)

Field Check: N