

Location/Identification

MINFILE Number:	082GNW065		
Name(s):	BRENDA BONNY #1, MCINTOSH		
Status:	Showing	Mining Division:	Fort Steele
		Electoral District:	Columbia River-Revelstoke
Regions:	British Columbia	Resource District:	Rocky Mountain Forest District
BCGS Map:	082G081		
NTS Map:	082G13W	UTM Zone:	11 (NAD 83)
Latitude:	49 59 52 N	Northing:	5538974
Longitude:	115 53 23 W	Easting:	579573
Elevation:	1220 metres		
Location Accuracy:	Within 100M		
Comments:	See location map in Assessment Report 7613.		

Mineral Occurrence

Commodities:	Copper, Gold, Silver		
Minerals	Significant:	Tetrahedrite, Tennantite, Pyrite, Chalcopyrite, Bornite	
	Associated:	Siderite, Quartz, Barite	
	Alteration Type:	Carbonate	
	Mineralization Age:	Unknown	
Deposit	Character:	Disseminated, Stockwork	
	Classification:	Hydrothermal, Epigenetic	
	Type:	I05: Polymetallic veins Ag-Pb-Zn+/-Au	

Host Rock

Dominant Host Rock:	Sedimentary		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Helikian	Purcell	Dutch Creek	-----
Isotopic Age	Dating Method	Material Dated	
-----	-----	-----	
Lithology:	Phyllitic Rock, Muscovite Schist		

Geological Setting

Tectonic Belt:	Omineca	Physiographic Area:	Purcell Mountains
Terrane:	Ancestral North America		

Inventory

Ore Zone:	SAMPLE	Year:	1977
Category:	Assay/analysis	Report On:	N

Sample Type: Rock

Commodity	Grade
Silver	79.0000 grams per tonne
Gold	0.7000 grams per tonne
Copper	1.2700 per cent

Comments:**Reference:** Assessment Report 6886.***Capsule Geology***

The Brenda (Macintosh vein) occurrence is located on the western side of Sandown Creek, approximately 4 kilometres north west of the creek mouth on the Skookumchuck River.

The area is underlain by the Mesoproterozoic Purcell Supergroup, a thick succession of fine-grained terrigenous clastic, carbonate, and very minor volcanic rocks exposed in the core of the Purcell Anticlinorium

Locally, a fault-related quartz-siderite-barite vein is host to tetrahedrite (tennantite?), minor chalcopyrite and bornite mineralization. The host rocks are units of the Helikian Dutch Creek Formation (Purcell Supergroup) which are faulted phyllitic rocks and grey-green muscovite schist. The copper minerals occur as disseminations and patches of sulphides as well as forming thin selvages on cracks and partings within siderite and barite. The vein has been mapped for a length of 33 metres with widths varying from 1.8 to 5.4 metres.

There is a possibility that the (McIntosh) Brenda deposit is a stratiform deposit which has later been affected by faulting and remobilization of the barite mineralization.

In 1978, one grab sample assayed 1.27 per cent copper, 0.7 grams gold and 79 grams silver (Assessment Report 6886); while a high grade chip samples assayed up to 1.63 per cent copper, 92.6 grams per tonne silver and 1.03 grams per tonne gold (Assessment Report 7613).

In 1979, diamond drilling yielded:

Hole (No.)	From (m)	To (m)	True Width (m)	Specific Gravity
1	20	25	5.20	4.10
2	20	25	1.40	4.20
4	N/A	N/A	3.05	3.96

(Assessment Report 7690)

In 1921, the Brenda mineral claim was located by Globe Mining. During 1923 through 1925, an inclined shaft was completed for a length of approximately 85 of metres and to a vertical depth of 38.1 metres. In 1965, the claims were optioned by Calix. During 1977 through 1979, Mountain Minerals completed a program geological mapping, geochemical sampling and 5 diamond drill holes totalling 174.6 metres. In 1980, a ground magnetometer and gravity survey was completed. In 1991, Mountain Minerals completed 10 diamond drill holes, totalling 65.5 metres.

In 2011, the area was prospected by J.T. Shearer, on the behalf of Homegold Resources

Bibliography

EMPR AR 1921-166; *1922-187; 1923-207; 1924-186; 1925-230; 1926-246;
1927-267

EMPR ASS RPT *6886, *7613, *7690, 8794, 09670, 21710, 33243

EMPR EXPL 1978-E70; 1979-326

EMPR OF *1988-14

GSC MAP 11-1960

GSC MEM 76

EMPR PFD 861778

Date Coded: 1985/07/24

Coded By: BC Geological Survey (BCGS)

Field Check: N

Date Revised: 2014/05/08

Revised By: Karl A. Flower (KAF)

Field Check: N