Location/Identification

MINFILE Number: 092HNE303
Name(s): **PEACHLAND CREEK**
PEN, PEN 10

Status: Showing
Regions: British Columbia
BCGS Map: 092H090
NTS Map: 092H16E
Latitude: 49 52 35 N
Longitude: 120 02 36 W
Elevation: 1830 metres
Location Accuracy: Within 500M

Mining Division: Nicola, Similkameen
Electoral District: Fraser-Nicola
Resource District: Okanagan Shuswap Natural Resource Distr

UTM Zone: 10 (NAD 83)
Northing: 5529080
Easting: 712423

Comments: Outcrop mineralized with sphalerite, galena and pyrite, 900 metres north of Peachland Creek and 5.6 kilometres east-southeast of the summit of Pennask Mountain (Open File 1988-7).

Mineral Occurrence

Commodities: Zinc, Lead, Gold, Silver

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

Deposit
Character: Unknown, Vein
Classification: Epigenetic
Type: I05: Polymetallic veins Ag-Pb-Zn+/-Au

Host Rock

Dominant Host Rock: Volcanic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Triassic	Nicola	Peachland Creek	------

Isotopic Age	Dating Method	Material Dated
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Lithology: Mafic Tuff

Geological Setting

Tectonic Belt: Intermontane
Terrane: Quesnel
Physiographic Area: Thompson Plateau

Inventory

Ore Zone: SAMPLE
Category: Assay/analysis
Sample Type: Grab

Year: 1996
Report On: N
NI 43-101: N

Commodity	Grade
Silver	16.9 grams per tonne
Gold	2.90 grams per tonne

Comments: A grab sample (P96-R13) from a zone an argillite hosts shattered quartz veins, up to 30 centimetres in width, with pyrite located approximately 650 metres northwest.

Reference: Assessment Report 25043

Capsule Geology

The Peachland Creek showing is 900 metres north of Peachland Creek and 5.6 kilometres east-southeast of the summit of Pennask Mountain.

The area is underlain by clastic sedimentary rocks and basaltic volcanic rocks of the Upper Triassic Nicola Group that have been intruded by granodioritic rocks of the Lower Jurassic Brenda stock of the Pennask Batholith.

Locally, an outcrop of mafic tuff of the Upper Triassic Peachland Creek Formation (Nicola Group) is mineralized with sphalerite, galena and pyrite.

Approximately 650 metres northwest of the previous zone an argillite hosts shattered quartz veins, up to 30 centimetres in width, with pyrite.

In 1996, a grab sample (P96-R13) assayed 2.90 grams per tonne gold and 16.9 grams per tonne silver (Assessment Report 25043).

Work History

The area was originally explored in the 1960s for copper-molybdenum mineralization similar to that of the Brenda (MINFILE 092HNE047) deposit to the east.

During 1986 through 1990, Fairfield Minerals Ltd. completed prospecting in the area and subsequently staked the claims in 1990. During 1991 through 1996, Fairfield Minerals Ltd. conducted programs of prospecting, geochemical (rock, silt and soil) sampling and minor trenching on the area as the Pen claims.

During 2006 through 2012, Bitterroot Resources completed programs of rock, silt and soil sampling, geological mapping, trenching, 147.6 line-kilometres of ground magnetic surveys and a 66.2 line-kilometre ground induced polarization survey on the area immediately north of the occurrence as the North Brenda property.

Also in 2012, the area was prospected and rock sampled by B. Kreft as the Brenda SE claim.

In 2016, Gorilla Minerals Corp. completed a soil and rock sampling program on the area as the New Brenda property. In 2018, Flow Metals Corp. completed a program of geological mapping, spectral and structural analysis and rock sampling on the New Brenda property. The following year, a program of geochemical (rock and soil) sampling, structural analysis and minor trenching was completed on the property.

Bibliography

EMPR ASS RPT 22304, 23255, 23919, 24469, *25043, 30902, 32070, 32788, 33743, 37174, 38248, 38438, 39720, 40061
EMPR OF *1988-7
GSC MAP 888A; 1386A; 41-1989
GSC MEM 243
GSC P 85-1A, pp. 349-358; 91-2, pp. 87-107
Meldrum, D. (2017-08-01): 43-101 Technical Report on the New Brenda Property

Date Coded:	1992/12/18	**Coded By:**	Peter S. Fischl (PSF)	**Field Check:**	N
Date Revised:	2021/08/24	**Revised By:**	Karl A. Flower (KAF)	**Field Check:**	N