

Location/Identification

MINFILE Number: 092L 021

Name(s): NORTH FORK
BIG ONION

Status: Prospect

Regions: British Columbia, Vancouver Island

BCGS Map: 092L006

NTS Map: 092L02W

Latitude: 50 04 23 N

Longitude: 126 48 06 W

Elevation: 230 metres

Location Accuracy: Within 500M

Comments: Location of main adit (Bulletin 27, Figure 2) is 1.4 kilometre north of 092L 217 (King Midas Trail vein), on west bank of Zeballos River, 10.5 kilometres north of Zeballos.

Mining Division: Alberni

Electoral District: North Island

Forest District: Campbell River Forest District

UTM Zone: 09 (NAD 83)

Northing: 5549068

Easting: 657302

Mineral Occurrence

Commodities: Gold, Silver, Copper, Zinc

Minerals

Significant: Chalcopyrite, Arsenopyrite, Sphalerite, Pyrrhotite

Significant Comments: Gold, silver mineralogy not known.

Associated: Quartz

Alteration: Quartz, Epidote, Calcite

Alteration Type: Epidote

Mineralization Age: Unknown

Deposit

Character: Vein

Classification: Mesothermal, Epithermal, Epigenetic

Type: 106: Cu+/-Ag quartz veins

Shape: Tabular

Strike/Dip: 010/90

Comments: Vein strikes 010 degrees with a near vertical dip.

Host Rock

Dominant Host Rock: Volcanic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Triassic	Vancouver	Karmutsen	-----

Isotopic Age	Dating Method	Material Dated
230 Ma	Fossil	Gymnotropite ammonites

Lithology: Amygdaloidal Andesite

Comments: Ammonites from Hisnit Island.

Geological Setting

Tectonic Belt: Insular

Terrane: Wrangell

Metamorphic Type: Regional

Physiographic Area: Vancouver Island Ranges

Grade: Amphibolite

Inventory

Ore Zone: VEIN
Category: Assay/analysis

Year: 1950
Report On: N
NI 43-101: N

Sample Type: Chip

Commodity	Grade
Silver	17.1400 grams per tonne
Gold	217.4000 grams per tonne

Comments: Sample over 10 centimetres.

Reference: Bulletin 27, page 117.

Capsule Geology

The North Fork occurrence is located north of the Zeballos gold camp, an area underlain by Lower Jurassic Bonanza Group basaltic to rhyolitic volcanic rocks. Conformably underlying the Bonanza rocks are limestones and limy clastics of the Quatsino and Parson Bay formations, and the tholeiitic basalts of the Karmutsen Formation, all belonging to the Upper Triassic Vancouver Group. Dioritic to granodioritic Jurassic plutons of the Zeballos intrusion phase of the Island Intrusions have intruded all older rocks. The Eocene Zeballos stock, a quartz diorite phase of the Catface Intrusions, is spatially related to gold-quartz veining in the area. Bedded rocks are pre-dominantly northwest striking, southwest dipping, and anticlinally folded about a northwest axis.

The North Fork occurrence consists of a 2.5 to 14 centimetre lensy quartz vein that follows a 010 degree striking, vertically dipping 15 to 25 centimetres wide shear zone, hosted in green amygdaloidal andesite of the Karmutsen Formation. Amygdules are 0.3 to 2 centimetres and are filled with quartz, epidote and calcite. The quartz vein hosts abundant arsenopyrite and sphalerite with minor chalcopyrite and pyrrhotite. The vein has been traced over 100 metres and is thought to be an extension of the King Midas Trial vein (092L 217). A sample taken over 10 centimetres, 4 metres from the face of the Main adit assayed 217.4 grams per tonne gold, 17.1 grams per tonne silver (Bulletin 27, page 117).

Bibliography

EMPR BULL 20-V; *27, p. 117

EMPR FIELDWORK 1982, p. 290; 1983, p. 219

GSC EC GEOL 1-1947

GSC MAP 4-1974; 255A; 1028A; 1552A

GSC MEM 204; 272, p. 59

GSC OF 9; 170; 463

GSC P 38-5; 40-12; 69-1A; 70-1A; 72-44; 74-8; 79-30

GSC SUM RPT 1929A; 1932A

CIM Trans. Vol. 42, 1939, pp. 225-237; 1948, pp. 78-85; 72, pp. 116-125

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Carson, D.J.T., (1968): Metallogenic Study of Vancouver Island with emphasis on the Relationship of Plutonic Rocks to Mineral Deposits, Ph.D. Thesis, Carleton University, Ottawa

Stevenson, J.S., (1938): Lode Gold Deposits of the Zeballos Area

Date Coded: 1985/07/24 Coded By: BC Geological Survey (BCGS) Field Check: N

Date Revised: 1989/02/26 Revised By: Wim S. Vanderpoll(WV) Field Check: N