Location/Identification

MINFILE Number: 092L 216
National Mineral Inventory Number: 092L2 Au29
Name(s): **KING MIDAS CONTACT**
KING MIDAS GLORY HOLE
Status: Showing
Mining Division: Alberni
Electoral District: North Island
Regions: British Columbia, Vancouver Island
Forest District: Campbell River Forest District
BCGS Map: 092L007
NTS Map: 092L02W
UTM Zone: 09 (NAD 83)
Latitude: 50 03 55 N
Northing: 5548220
Longitude: 126 47 37 W
Easting: 657904
Elevation: 228 metres
Location Accuracy: Within 500M
Comments: Location of the vein is 370 metres north of the mouth of Fault Creek, east of Zeballos River, 10 kilometres north of Zeballos.

Mineral Occurrence

Commodities: Gold, Copper

Minerals
Significant: Chalcopyrite, Pyrite, Pyrrhotite
Associated: Quartz
Mineralization Age: Unknown

Deposit
Character: Vein
Classification: Mesothermal, Epithermal, Epigenetic
Type: I06: Cu+/-Ag quartz veins
Shape: Tabular
Dimension: 260x0x0 metres **Strike/Dip:** 355/70E
Comments: Vein strike is 355 degrees, dip 70 degrees east, has been traced for 260 metres and is 2.5 to 13 centimetres wide.

Host Rock

Dominant Host Rock: Sedimentary

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Triassic	Vancouver	Karmutsen	------
Upper Triassic	Vancouver	Quatsino	------
Jurassic	------	------	Island Plutonic Suite
Eocene	------	------	Catface Intrusions

Isotopic Age	Dating Method	Material Dated
230 Ma	Fossil	Gymnotropite ammonites
225 Ma	Fossil	Juvarite ammonites
148 +/- 8 Ma	Potassium/Argon	Hornblende
38 +/- 14 Ma	Potassium/Argon	Biotite

Lithology: Limestone, Andesitic Greenstone
Comments: Isotopic dates and sample locations from Geological Survey of Canada Paper 74-8.

Geological Setting

Tectonic Belt: Insular
Physiographic Area: Vancouver Island Ranges
Terrane: Wrangell

Inventory

Ore Zone: VEIN
Year: 1938
Category: Assay/analysis
Report On: N
NI 43-101: N

Sample Type: Grab

Commodity	Grade
Gold	6.8600 grams per tonne

Comments: Sample of "typical" vein material, trace silver.
Reference: Bulletin 27, page 117.

Capsule Geology

The King Midas-Contact vein occurrence lies in the Zeballos gold camp, in an area underlain by the Lower Jurassic Bonanza Group. The Bonanza Group is an island arc sequence of basaltic to rhyolitic volcanic rocks. Conformably underlying the Bonanza rocks are lime- stones 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 Plutonic Suite have intruded all older rocks. The Eocene Zeballos Stock, a quartz diorite phase of the Catface Intrusions, is spatially related to the areas gold-quartz veins. Bedded rocks are predominantly northwest striking, southwest dipping, and anticlinally folded about a northwest axis.

The Contact or Glory Hole vein lies 30 metres east of the Zeballos River and has been traced for 260 metres. It strikes 355 degrees and dips 75 degrees east, is 2.5 to 13 centimetres wide and follows a 13 to 25 centimetre wide shear zone. The quartz-gangue contains pyrite, chalcopyrite and pyrrhotite. A sample of "typical" vein material assayed 6.86 grams per tonne gold and trace silver (Bulletin 27, page 117). The vein occurs at the contact between Quatsino limestone and Karmutsen andesitic greenstone, about 1 kilo- metre east of the Jurassic Zeballos Intrusion and 1 kilometre north of the South Zeballos Pluton of the Eocene Catface Intrusions.

The Contact vein lies 75 metres west of the King Midas Trail vein (092L 217) and is believed to converge with it to the south.

Bibliography

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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
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Date Coded: 1985/07/24 **Coded By:** BC Geological Survey (BCGS) **Field Check:** N
Date Revised: 1989/02/27 **Revised By:** Wim S. Vanderpoll(WV) **Field Check:** N