

Location/Identification

MINFILE Number:	092L 215	National Mineral Inventory Number:	092L2 Au30
Name(s):	<u>KING MIDAS LYNCH</u> BIG BEN 3 (L.1677)		
Status:	Prospect	Mining Division:	Alberni
Regions:	British Columbia, Vancouver Island	Electoral District:	North Island
BCGS Map:	092L007	Forest District:	Campbell River Forest District
NTS Map:	092L02W	UTM Zone:	09 (NAD 83)
Latitude:	50 03 41 N	Northing:	5547782
Longitude:	126 47 47 W	Easting:	657718
Elevation:	213 metres		
Location Accuracy:	Within 500M		
Comments:	Adit on north side of Fault Creek on Crown Grant Lot 1677, 50 metres from Zeballos River, 9.6 kilometres north of Zeballos (Bulletin 27, Figure 2).		

Mineral Occurrence

Commodities:	Gold, Copper, Silver, Zinc		
Minerals	Significant:	Sphalerite, Chalcopyrite, Pyrite, Pyrrhotite, Arsenopyrite	
	Associated:	Quartz	
	Alteration Type:	Silicific'n, Oxidation	
	Mineralization Age:	Unknown	
Deposit	Character:	Vein	
	Classification:	Mesothermal, Epithermal, Epigenetic	
	Type:	106: Cu+/-Ag quartz veins	
	Shape:	Tabular	Modifier: Folded, Sheared
			Strike/Dip: 360/90
	Comments:	Lynch Vein strikes north, dips vertically.	

Host Rock

Dominant Host Rock:	Volcanic		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Triassic	Vancouver	Karmutsen	-----
Upper Triassic	Vancouver	Quatsino	-----
Eocene	-----	-----	Catface Intrusions
Isotopic Age	Dating Method	Material Dated	
230 Ma	Fossil	Gymnotropite ammonites	
225 Ma	Fossil	Juvarite ammonites	
38 +/- 14 Ma	Potassium/Argon	Biotite	
Lithology:	Siliceous Andesite, Limestone, Porphyry Dike		
Comments:	Karmutsen ammonites from Hisnit Island; Quatsino ammonites from Alice Lake; Catface biotite from Zeballos (GSC Paper 74-8).		

Geological Setting

Tectonic Belt:	Insular	Physiographic Area:	Vancouver Island Ranges
Terrane:	Wrangell, Plutonic Rocks		

Metamorphic Type: Contact
Grade: Hornfels

Inventory

Ore Zone: SAMPLE
Category: Assay/analysis

Year: 1938
Report On: N
NI 43-101: N

Sample Type: Grab

Commodity	Grade
Silver	6.8600 grams per tonne
Gold	63.0900 grams per tonne
Copper	0.5000 per cent
Zinc	2.8000 per cent

Comments: Sample of oxidized material.

Reference: Bulletin 27, page 116.

Capsule Geology

The King Midas Lynch vein 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 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 invaded 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 north-west axis.

The King Midas Lynch vein adit is located 50 metres from the mouth of Fault Creek. A 0.8 to 5.0 centimetre calcite vein, striking north and dipping vertically, is present in andesite. Fifteen metres uphill, a silicified quartz-shear zone has been explored by several open cuts. The "vein" is 15 to 25 centimetres wide and contains quartz, sphalerite, chalcopyrite, pyrite and pyrrhotite. A sample of oxidized material assayed 63.09 grams per tonne gold, 6.86 grams per tonne silver, 0.5 per cent copper, and 2.8 per cent zinc (Bulletin 27, page 116).

On the south bank of Fault Creek, a 7.5 to 15 centimetre shear zone striking 020 degrees and dipping 45 degrees south, contains banded quartz. A sample assayed 20.57 grams per tonne gold, 3.4 grams per tonne silver, trace copper, 3.1 per cent arsenopyrite (Bulletin 27, page 116).

Bibliography

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EMPR PF (Starr, C.C. (1938): Report on the King Midas Mine, 10 p; North Half of Claims Showing Locations of Veins and Contacts, 1938; Sketch of King Midas Workings on North Fork of Zeballos River, 1938; Letter from Charles Starr to King Midas Mining Co. Ltd., 1938 (see 092L 020); Stevenson, J.S. (1938): Lode Gold Deposits of the Zeballos Area)
EMR MP CORPFILE (King Midas Mining Co., Ltd.)
GSC EC GEOL 1-1947
GSC MAP 4-1974; 255A; 1028A
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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

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