

Location/Identification

MINFILE Number:	092L 081	National Mineral Inventory Number:	092L2 Au25
Name(s):	<u>IXL (L.1054)</u> B-2 FR.		
Status:	Prospect	Mining Division:	Alberni
		Electoral District:	North Island
Regions:	British Columbia, Vancouver Island	Forest District:	Campbell River Forest District
BCGS Map:	092L006		
NTS Map:	092L02W	UTM Zone:	09 (NAD 83)
Latitude:	50 01 24 N	Northing:	5543537
Longitude:	126 48 11 W	Easting:	657366
Elevation:	610 metres		
Location Accuracy:	Within 500M		
Comments:	Location of Lot 1054, (Bulletin 27, Figure 2), is 0.5 kilometre east of Spud Creek, 5.6 kilometres northeast of Zeballos.		

Mineral Occurrence

Commodities:	Gold, Silver, Lead, Zinc		
Minerals	Significant:	Pyrite, Galena, Sphalerite, Arsenopyrite	
	Associated:	Quartz	
	Mineralization Age:	Unknown	
Deposit	Character:	Vein	
	Classification:	Mesothermal, Epithermal	
	Type:	I06: Cu+/-Ag quartz veins	
	Shape:	Tabular	
	Strike/Dip:	040/72S	

Host Rock

Dominant Host Rock:	Plutonic		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Eocene	-----	-----	Catface Intrusions
Isotopic Age	Dating Method	Material Dated	
38 +/- 14 Ma	Potassium/Argon	Biotite	
Lithology:	Quartz Diorite		
Comments:	Age date from Geological Survey of Canada Paper 74-8.		

Geological Setting

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

Inventory

Ore Zone:	MAIN	Year:	1945
Category:	Assay/analysis	Report On:	N

Sample Type: Grab

Commodity	Grade
Silver	816.1000 grams per tonne
Gold	2953.4000 grams per tonne
Lead	2.2000 per cent
Zinc	0.3000 per cent

Comments: Sample #718E, highest of 10 samples.

Reference: Bulletin 27, page 80.

Capsule Geology

The IXL occurrence in the Zeballos gold camp is underlain by quartz diorite of the Eocene Catface Intrusions. The principal showing consists of a 040 degree striking 72 degree south dipping, 1 to 10 centimetre wide quartz vein, that follows a 2.5 to 90 centimetre wide shear zone. Vein minerals consist of pyrite and fine-grained arsenopyrite with minor galena in a quartz gangue. Narrow shear zones spaced at 15 centimetres parallel the vein to a distance of approximately 1 metre. Approximately 22 tonnes of development ore were stockpiled between 1945 and 1949 while driving a 36 metre adit. Sampling returned values ranging from 2 to 2953 grams per tonne gold, nil to 816 grams per tonne silver and to 2.2 per cent lead (Bulletin 27, page 80).

Bibliography

EMPR AR 1946-179; 1947-181
 EMPR BULL 20-V; *27, p. 79
 EMPR FIELDWORK 1982, p. 290; 1983, p. 219
 EMR MP CORPFILE (Britannia Mining & Smelting Co. Ltd.)
 GSC EC GEOL 1-1947
 GSC MAP 4-1974; 255A; 1028A; 1552A
 GSC MEM 204; 272, p. 62
 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
 N MINER Apr. 1938, pp. 39-45
 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:	1989/03/08	Revised By:	Wim S. Vanderpoll(WV)	Field Check:	N