

Location/Identification

MINFILE Number:	092E 026	National Mineral Inventory Number:	092E9 Au1
Name(s):	<u>BALTIC NO. 1 (L.1582)</u> WYN, DANZIG		
Status:	Past Producer	Mining Division:	Alberni
Mining Method	Underground	Electoral District:	North Island
Regions:	British Columbia, Vancouver Island	Forest District:	Campbell River Forest District
BCGS Map:	092E069		
NTS Map:	092E09W	UTM Zone:	09 (NAD 83)
Latitude:	49 37 52 N	Northing:	5500965
Longitude:	126 21 35 W	Easting:	690654
Elevation:	50 metres		
Location Accuracy:	Within 500M		
Comments:	Location of adit on #1 Vein (Lot 1582) is on King Passage, Muchalat Inlet 1 kilometre north of Silverado (092E 017). Production includes Silverado (092E 017).		

Mineral Occurrence

Commodities: Gold, Silver, Copper

Minerals

Significant:	Pyrite, Sphalerite, Pyrrhotite, Chalcopyrite
Significant Comments:	Gold, silver associated with chalcopyrite.
Associated:	Quartz, Magnetite
Alteration:	Mica, Epidote, Pyrite
Alteration Comments:	Alteration on vein margin.
Alteration Type:	Propylitic
Mineralization Age:	Unknown

Deposit

Character:	Vein
Classification:	Hydrothermal, Epigenetic
Type:	106: Cu+/-Ag quartz veins
Shape:	Tabular
	Strike/Dip: 022/70E
Comments:	Attitude of #1 vein is 022 degrees, dipping 70 degrees east.

Host Rock

Dominant Host Rock: Plutonic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Triassic	Vancouver	Undefined Formation	-----
Jurassic	-----	-----	Island Plutonic Suite

Isotopic Age	Dating Method	Material Dated
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174 +/- 10 Ma	Rubidium/Strontium	Biotite

Lithology: Granodiorite, Felsic Volcanic Dike, Feldspar Porphyry Dike

Comments: Age dates from Geological Survey of Canada Paper 80-16 from Alert Bay map area.

Geological Setting

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

Inventory

Ore Zone: OPENCUT
Category: Assay/analysis

Year: 1937
Report On: N
NI 43-101: N

Sample Type: Channel

Commodity	Grade
Silver	242.0900 grams per tonne
Gold	238.4900 grams per tonne

Comments: 2.5 kilogram sample from open cut.

Reference: Geological Survey of Canada Memoir 204, page 19.

Summary Production

	Metric	Imperial
Mined:	130 tonnes	143 tons
Milled:	0 tonnes	0 tons
Recovery		
Silver	10,294 grams	331 ounces
Gold	5,567 grams	179 ounces
Copper	87 kilograms	192 pounds

Capsule Geology

The occurrence is underlain by the Muchalat Batholith of the Jurassic Island Plutonic Suite. Small inclusions of greenish volcanic rocks of the Upper Triassic Vancouver Group occur in the fine-grained gneissic granodiorite of the batholith. Felsic and feldspar porphyry dykes are present, cutting granodiorite. Epidote alteration is per- vasive in all rocks.

Mineralization is believed to be related to the dykes, and occurs in nine veins.

The No.1,2 and 3 veins are linked by quartz stringers, and of this group only the No.1 vein is described. The vein is exposed in the first 42 metres of the main adit. It is 10.0 to 30.0 centimetres wide and has been traced from the shore of Muchalat Inlet to an elevation of 76 metres, a distance of 305 metres. The vein strikes north-northeast and dips 70 degrees east. Locally, granodiorite wallrock exhibits mica, epidote and pyrite alteration. The vein consists of quartz, pyrite and sphalerite. Vein quartz is variably crushed and shows minor shearing. The highest values obtained from the vein came from an open cut near the shore where Geological Survey of Canada Paper 204 (page 19) reports an assay of 238.49 grams per tonne gold and 242.09 grams per tonne silver from a 2.5 kilogram sample.

Vein No.4 (the Perry Vein) includes a white weathering 25 centimetre wide felsite dyke. Mineralized quartz follows both sides of the 020 striking, 85 degree east dipping dyke. The quartz is 5.0 centimetres wide on the footwall of the dyke. Numerous quartz stringers pass upward to the hangingwall side of the dyke, to join a much wider vein of rusty, vuggy banded and crushed quartz that is exposed for 8.0 metres. This portion of the No.4 vein is 35.0 to 50.0 centimetres wide, and contains pyrite, pyrrhotite, chalcopyrite and sphalerite. Both the No.4 vein and the granodiorite wallrock exhibit epidote alteration.

Three narrow quartz veins outcrop at the shore east of the adit. The middle, No.5 vein, averages 15.0 centimetres in width and has been exposed over 12.0 metres. The vein contains smeared magnetite and pyrite, chalcopyrite, pyrrhotite and sphalerite. Vein No.6 lies in Baltic 4 claim and is rusty, 30.0 centimetres wide and exposed by two open cuts between elevations of 49.0 and 61.0 metres. Veins No.7,8 and 9 are quartz outcrops of uncertain merit.

Between 1934 and 1938, 130 tonnes of sorted ore from the Baltic and Silverado (092E 017) adits was shipped by Danzig Mines, yielding 5,567 grams gold, 10,294 grams silver and 87 kilograms of copper. The majority of the ore came from the Baltic adit, the amount that came from the Silverado adit is not known (Minister of Mines Annual Report 1949, p. 219).

Bibliography

EMPR AR 1934-A28; 1935-A29; 1937-A40; 1938-A38; *1949-219
EMPR ASS RPT 10142
EMPR BC METAL MM00100
EMPR BULL 20, Pt.V, p. 20

EMPR EXPL 1981-216
EMPR INDEX 3-193
EMPR MAP 932A
EMPR PF see Silverado, (092E 017)
EMR MP CORPFILE (Danzig Mines Inc.)
GSC MAP 1537A
GSC MEM *204, p. 18
GSC OF 463
GSC P 80-16
GCNL #111, 1981

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

Hudson, R. (1997): A Field Guide to Gold, Gemstone & Mineral Sites of British Columbia, Vol. 1: Vancouver Island, p. 183

Date Coded:	1985/07/24	Coded By:	BC Geological Survey (BCGS)	Field Check:	N
Date Revised:	1988/10/11	Revised By:	Wim S. Vanderpoll(WV)	Field Check:	N