

Location/Identification

MINFILE Number:	092F 398	Mining Division:	Victoria, Alberni
Name(s):	<u>TAN</u>	Electoral District:	Alberni-Qualicum
Status:	Showing	Resource District:	South Island Forest District
Regions:	British Columbia, Vancouver Island	UTM Zone:	10 (NAD 83)
BCGS Map:	092F008	Northing:	5439280
NTS Map:	092F02E	Easting:	384658
Latitude:	49 05 44 N		
Longitude:	124 34 48 W		
Elevation:	680 metres		
Location Accuracy:	Within 500M		
Comments:	Trench #1 (Assessment Report 16072).		

Mineral Occurrence

Commodities:	Silver		
Minerals	Significant:	Pyrite	
	Significant Comments:	Mineralogy not specified.	
	Associated:	Quartz	
	Alteration:	Silica	
	Alteration Type:	Silicific'n	
	Mineralization Age:	Unknown	
Deposit	Character:	Shear	
	Classification:	Hydrothermal, Epigenetic	
	Dimension:	70x2x0 metres	Strike/Dip: 150/45E
	Comments:	Shear zone.	

Host Rock

Dominant Host Rock:	Volcanic		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Devonian	Sicker	McLaughlin Ridge	-----
Devonian	Sicker	Nitinat	-----
Jurassic	-----	-----	Island Plutonic Suite
Isotopic Age	Dating Method	Material Dated	
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Lithology:	Tuff, Agglomerate, Flow, Basaltic Pyroclastic, Chert, Argillite, Diorite		

Geological Setting

Tectonic Belt:	Insular	Physiographic Area:	Vancouver Island Ranges
Terrane:	Wrangell		
Comments:	Situated in the Cowichan uplift.		

Inventory

Ore Zone: SHEAR
Category: Assay/analysis

Year: 1987
Report On: N
NI 43-101: N

Sample Type: Grab

Commodity	Grade
Silver	2.1000 grams per tonne

Comments: Sample 19169 from shear zone also assayed 0.06 grams per tonne gold, and in per cent 0.16 arsenic, 33.39 iron, 0.05 molybdenum, 0.01 copper

Reference: Assessment Report 16072.

Capsule Geology

The Tan showing is located 24 kilometres southeast of Port Alberni, slightly east of the B&K (092F 081) and Golden Eagle (092F 080) occurrences.

The area, located in the Cowichan uplift, is underlain by volcanics and minor sediments of the Upper Devonian McLaughlin Ridge Formation (formerly the Myra Formation) and the Devonian Nitinat Formation, both of the Sicker Group. Diorite of the Early to Middle Jurassic Island Plutonic Suite occurs to the south.

The showing occurs in basaltic pyroclastics of the McLaughlin Ridge Formation which comprised of tuff, agglomerate, flows with minor interbedded chert and argillite. A quartz-sulphide mineralized shear zone strikes 150 degrees and dips 45 degrees east. The zone has been traced along strike for 70 metres and is 1.8 metres wide. The sulphides, with the exception of pyrite, have not been specified. A grab sample from a trench (#1) on the shear zone assayed 0.06 grams per tonne gold, 2.1 grams per tonne silver, 0.05 per cent molybdenum, 0.01 per cent copper, 0.16 per cent arsenic and 33.39 per cent iron (Assessment Report 16072).

Bibliography

EMPR ASS RPT 12150, 13670, 14431, *16072, *18355
EMPR BULL 37
EMPR FIELDWORK 1988 pp. 61-74
EMPR OF 1987-2; 1988-24; *1989-6
EMPR PF ((Laanela, H. (1965): Report by Gunnex Limited, see 092F 081)
GSC MAP 17-1968; 49-1963
GSC OF 463, 1272
GSC P 68-50, 79-30
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N MINER #223, 1983; #182, *Sept. 30, 1985; #73, 1987; #79, 1988
EMPR PFD 826983, 826984, 680654, 680656

Date Coded: 1990/04/06 **Coded By:** Dorthe E. Jakobsen (DEJ) **Field Check:** N
Date Revised: 1990/04/10 **Revised By:** Dorthe E. Jakobsen (DEJ) **Field Check:** N