

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ TODD CREEK

OBJECT LOCATED from BC Minfile map
OBJET LOCALISÉ

UNCERTAINTY <i>FACTEUR D'INCERTITUDE</i>	Lat. <i>Lat.</i>	56°14'	Long. <i>Long.</i>	129°47'
Mining Division <i>Division minière</i>	Skeena		District <i>District</i>	
County <i>Comté</i>			Township or Parish <i>Canton ou paroisse</i>	
Lot <i>Lot</i>			Concession or Range <i>Concession ou rang</i>	
Sec <i>Sect.</i>	Tp. <i>Ct.</i>		R. <i>R.</i>	

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Copper-gold mineralization occurs in quartz-breccia veins within and proximal to bodies of siliceous feldspar porphyry which appear to intrude Lower Jurassic Unuk River Formation volcanics. Several zones of mineralization have been identified in a north trending fault zone structure that has been traced for some 3,000 feet. Mineralization in the South zone ranges from 30 cm to 15 m in width; trenching exposed a core zone 885 feet in length, 9.8 feet in width averaging 0.139 oz/t Au, 0.46% Cu.

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property is located at elevation of 3,500 to 4,500 feet at the head of Todd Creek some 20 miles north-northeast of Stewart. Three zones of mineralization have been identified along a north-south trend. The North zone is about 3 miles north of the South zone. The Fall Creek zone is about 1,600 feet south of the North Zone.

Newmont Mining Corporation of Canada Limited in 1960, held the Todd 1-52 claims and completed 1,150 feet of diamond drilling in 4 holes. Outlying showings were investigated by trenching and packsack drilling.

Panther Mines Ltd. carried out a geological survey over the Todd 1-6 claims in 1971.

J.R. Woodcock in 1984-85 carried out a geochemical survey comprising 74 rock and 26 silt samples; petrology studies were done on 29 samples.

Noranda Exploration Company Limited in 1987 acquired the property as the Toc 1-15 claims (288 units). Geological mapping, a geochemical survey comprising 38 silt and 218 rock samples, and trenching on the South zone were carried out Golden Nevada Resources Inc. in September 1987, acquired from Noranda an option to earn a 50% interest in the Toc 3-15 claims (252 units). Noranda as operator in late 1987 carried out 580 m of diamond drilling in 9 holes in the South zone. Work in 1988 included an IP survey, a rock, soil, silt, and heavy mineral geochemical survey, and 4,239 m of diamond drilling in 39 holes. Based on this work geological reserves were compiled as 207,000 tonnes grading 5.48 g/mt Au (Hemlo Gold Mines Inc., 1988 Annual Report). The property was held at that time by Golden Nevada (50%), Noranda Inc. (13.9%) Brenda Mines Ltd. (22.2%), and Hemlo Gold Mines Inc. (13.9%).

500849

Reports of Minister of Mines, British Columbia: 1960, p. 7

Geology, Exploration and Mining; BC EMPR: 1972, p. 513;
1984, p. 384; 1985, p. C378; 1987, p. C368.

BC EMPR; Mineral Exploration Review: 1987, p. 13; 1988,
#51 TODD CREEK.

Golden Nevada Resources Inc., TSE Listing Statement No.
3631, 14/11/88.

George Cross News Letters: 1987, No. 172, 211, 214, 235;
1988, No. 121, 223

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 9-1957, Stikine River Area, (Geol.), Sc. 1": 4 miles.

Map 104 A/4, Bear River, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date	05-89						