

PRODUCT GOLD  
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 103 I/9  
RÉGION DU S.N.R.C.

REF. AU 3  
RÉF.

NAME OF PROPERTY VALHALLA, KLEANZA (COLUMARIO)  
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - Valhalla No. 2 claim (Lot 6748).  
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 54°34'38"	Long. 128°23'10"
Mining Division Omineca Division minière	District District	Range 5 Coast
County Comté	Township or Parish Canton ou paroisse	
Lot Lot	Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.	R. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property is underlain by andesitic volcanic rocks and Coast Intrusives. Seven quartz veins occur on a system of fractures that strikes N30° to 45°W and dip 50°NE. Most of the veins are in volcanic rocks near masses of granodiorite or along contacts between these two types of rocks. Where the veins enter granodiorite they tend to pinch out within a short distance. Veins also occur along contacts of dykes that parallel the fracture system. The veins average from 1 to 3 feet in width and are locally mineralized with seams of coarse pyrite and lesser amounts of chalcopyrite and galena. Gold is associated with the pyrite. A 200 pound sample assayed by the Mines Branch, Ottawa in 1933 gave 1.44 oz/t Au; 3.51 oz/t Ag; 0.42% Cu; 0.02% Pb.

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

The property is located at about the 2,000 foot elevation on the northwest side of Kleanza Mountain, 10 miles northeast of Terrace.

In 1920 the Kleanza Company Limited, which held the adjacent Golden Crown property, located the Valhalla and Kleanza claim groups. Annual assessment work was apparently carried out by the company for several years. The Skeena Lumber Company was reported to be the owner of the Valhalla and Kleanza groups, of 8 claims each, in 1925. Small scale development work was reported in 1925 and 1926.

Columario Gold Mines, Limited, incorporated November 1927, acquired the property and began a program of development work which continued into 1932. Four claims, the Valhalla No. 2, Valhalla No. 3, L.C. Fraction, and Norman Fraction (Lots 6748-6751) were Crown-granted to the company in 1929.

Columario Consolidated Gold Mines, Limited was incorporated in April 1933 to acquire the former company's assets, including the 4 Crown-grants and 30 located claims in the Valhalla, Kleanza, and Tenderfoot groups. The installation of a 75 ton-per-day flotation mill and a 4,800 foot aerial tramline was completed in 1934. The mill operated briefly in September 1934 and during May-June 1935, when operations ceased. The Valhalla, Valhalla No. 1, and Valhalla No. 4 claims (Lots 6713-6715) were Crown-granted in 1935 to E.V. McKague, Trustee.

Most of the development work was done on the claims which were Crown-granted in 1929. Altogether 11 adits had been driven in developing 7 different veins. About 8,000 feet of underground development work was done prior to the cessation of mining operations in 1935.

The property was leased in 1939 by W.W. Duncan and associates, of Usk, with the purpose of shipping selectively mined ore from the old workings.

Endurance Minerals Inc acquired the 7 reverted Crown-grants in 1983.

513322 \*

Associated minerals or products - Silver,  
Minéraux ou produits associés

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

During 1934-35, a total of 1,430 tons of ore were reported milled at this property. From this ore 680 ounces of gold, and 1,868 ounces of silver were recovered. In 1939, 15.8 tons of selected ore were shipped to the Dept. of Mines sampling plant at Prince Rupert. (Ref. Report of Minister of Mines, 1939, p. A-55; Columario Gold Mines File).

REFERENCES/BIBLIOGRAPHIE

Duffell, S. and Souther, J.G.; Geology of Terrace Map-Area, British Columbia; Memoir 329, p. 81, Geol. Surv. of Canada, 1964.

Kindle, E.D.; Mineral Resources of Terrace Area, Coast District, British Columbia; Memoir 205, pp. 41-43, Geol. Surv. of Canada, 1937.

Hanson, George; Reconnaissance in Zymoetz River Area, Coast District, B.C.; Summary Report 1925, Pt. A., p. 117, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia: 1919, p. 97; 1920, p. 81; 1921, pp. 95, 96; 1922, p. 97; 1923, p. 102; 1925, p. 126; 1926, p. 124; 1927, p. 125; 1928, p. 142; 1929, pp. 148, 505; 1930, p. 136; 1931, p. 70; 1934, p. C-2+; 1939, pp. A-55; A-69.

Galloway, John D.; Lode Gold Deposits of British Columbia; Bulletin 1, 1932, p. 55, British Columbia Dept. of Mines.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1136 A, Terrace, (Geol.), Sc. 1":4 miles - accomp. Memoir 329.

Kleanza Mtn Group, (Claim Map), Sc. 1 cm:300 m, Fig. 2, in Report by Wolfe.

Plan of Workings, Valhalla No. 2 claim, Sc. 1":60 ft., Report of Minister of Mines, British Columbia, 1930, p. 136.

Plan of Workings, Columario Consolidated Gold Mines, Limited, Sc. 1":125 ft., Fig. 10, Memoir 205.

#Map 103 I/9, Usk, (Topo.), Sc. 1:50,000.

Mineral Policy Sector; Corporation Files: "Kleanza Company, Limited"; "Columario Gold Mines, Limited"; "Endurance Minerals Inc".

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1933, Rept. 743, pp. 132-135 (No. 506).

Wolfe, R.; Report on the Kleanza Mtn Group, 25/09/83 - in Endurance Minerals Inc Prospectus, 28/05/84.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date Date	05-75	01-85					