

PRODUCT GOLD  
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 F/13  
RÉGION DU S.N.R.C.

REF. AU 1  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

TILLICUM

OBJECT LOCATED - East Ridge zone.  
OBJET LOCALISÉ

UNCERTAINTY 300 m  
FACTEUR D'INCERTITUDE

Lat. 49°59'05"  
Lat.

Long. 117°42'30"  
Long.

Mining Division Slocan  
Division minière

District  
District

Kootenay

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

Map 1234 A indicates the area is underlain by Milford (?) Group Pennsylvanian to Triassic (?) amphibolite pelitic schist and calc-silicate metasedimentary rocks. Tuffaceous argillite and quartz biotite gneiss are the dominant host rocks. Two types of mineralization are present: high-grade gold values in linear zones in association with pyrite, pyrrhotite, galena and sphalerite; low-grade finely disseminated sulphides with gold values up to 0.08 oz/t.

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

The property is located at about 6,800' elevation on the north side of Tillicum Mountain 7 miles east of the Lower Arrow Lake community of Burton.

The Tillicum group, comprising the Tillicum, Cultus and Valley View claims was apparently located in this vicinity. Owners J.G. Reveler and L. Robson carried out exploration work in one or more short drift adits in the period 1917-21. Some 4 tons of sorted ore were stockpiled in 1921.

High-grade gold was discovered in the "Money Pit" in September 1980 by Arnold and Elaine Gustafson, of Burton, on ground held as the Wolf, High, Sandy and Near claims groups (12 units). Esperanza Explorations Ltd and Welcome North Mines Ltd as a joint venture optioned 100% interest in the property from the Gustafson's by a September 20, 1980 agreement, subject to a percentage of net smelter returns. The existing claims and adjacent ground was over staked as the Til 1-4 claims (72 units). Work in 1981 included geochemical and geophysical surveys and trenching. A bulk sample of 64 tons shipped from the Money Pit averaged 2.3 oz/t Au.

Welcome North withdrew from the joint venture in March 1982. La Teko Resources Ltd on June 23, 1982 acquired an option to purchase a 50.4% share interest in Esperanza Explorations prior to December 31, 1984 for \$5,125,000. Additional staking expanded the property to some 237 units.

Exploration activity in 1982 included 3,700' of diamond drilling in 16 holes on the Heino-Money zone, 8 holes on the East Ridge zone and 1 hole on the Jenny zone. In 1983 a 200' crosscut adit was driven on the East Ridge zone and further geochemical surveys and trenching carried out. Diamond drilling was done in 18 holes on the Heino-Money zone. Drilling to date outlined a drill indicated 40,000 tons at 0.6 oz/t Au and a total inferred potential of 100,000 tons (George Cross News Letter, 28/02/84). Drilling in 1983 totalled 2319 m in 38 holes.

In 1984 a 60-metre adit was driven into the upper part of the Heino-Money zone; a 2,500 ton bulk sample was shipped to the Dankoe mill at Keremeos in 1985. Further diamond drilling

p.t.o. ....

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

was done in 5 holes on the East Ridge zone (total 25 holes to date). Based on work to date the East Zone has an inferred 5,000,000 tons at 0.05 oz/t Au (Northern Miner, 15/11/84).

La Teko provided financing of exploration to the end of 1985 (\$2.28 million) to earn a 39.6% interest in Esperanza. Work in 1986-87 on the Heino-Money zone included drifting on the 2160, 2130 and 2050 m levels, raising, subdrifting on the 2147 and 2112 sublevels, and diamond drilling. Indicated reserves were reported as 50,000 tons at about 1 oz/t Au; total inferred reserves were estimated at 200,000 tons (George Cross News Letter 09/10/87). Development ore in the amount of 3458 tonnes was shipped to the Roberts Mines mill at Greenwood. Reserves at the East Ridge zone, located about 1 km east of the Money Pit zone, were reported as indicated 3,000,000 tons at 0.06 oz/t Au, potential open pit heap leach material (George Cross News Letter, 14/11/86).

By 1989 in the East Ridge zone, there were diamond drilled over 53,000 feet in 111 holes, and there were done 1,000 feet of drifting. In 1990, Esperanza Exploration changed its name to Columbia Gold Mines Ltd.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1234 A, Nakusp, (Geol.), Sc. 1":1 mile, Bulletin 161, Geol. Surv. of Canada, 1969.

Local geology of the Tillicum property, Sc. 1 cm:50 m, Fig. 2, Geological Fieldwork, 1981, p. 40.

#Maps of Heino-Money zone and geochemical anomalies, George Cross News Letter, 29/08/83.

Map 8486 G, Burton, (Aeromag.), Sc. 1":1 mile.

\*Map 82 F/13, Burton, (Topo.), Sc. 1:50,000.

Tillicum Mountain Project (Claim Map), Sc. 1:50,000, La Teko Resources Ltd Statement of Material Facts 112-82.

Geological Fieldwork, BCDM, 1984, Figures, 2,3,5,6.

REFERENCES/BIBLIOGRAPHIE

+Geological Fieldwork, British Columbia Dept. of Mines: 1981, pp. 39-45; 1980, p. 84; 1983, p. 19; 1984, pp. 23-47; 1985, pp. 37-49; 1986, p. 19.

++Vincent, J.S.; Report on the Tillicum gold project, 15/09/82 - in La Teko Resources Ltd Statement of Material Facts 112-82.

George Cross News Letters: 18/07/82; 6/08/82; 1/09/82; 15/09/82; 22/09/82; 7/10/82; 19/10/82; 3/11/82; 10/11/82; 22/11/82; 17/12/82; 31/03/83; 21/07/83; 29/08/83; 28/02/84; 27/07/84; 1985, Nos. 92, 169; 1986, Nos. 4, 6, 105, 155, 157, 184, 219; 1987, No. 81, 117, 124, 130, 137, 195; 1988, No. 37.

Reports of Minister of Mines, British Columbia: 1917, p. 175; 1919, p. 160; 1920, p. 135; 1921, p. 174.

Exploration in British Columbia; British Columbia Dept. of Mines: 1982, p. 63; 1983, p. 84; 1986, p. A59.

Mineral Policy Sector; Corporation Files: "Esperanza Explorations Ltd."; "Welcome North Mines Ltd."; "La Teko Resources Ltd."; "Columbia Gold Mines Ltd."

Ettlinger, A.D. and Ray, G.E.; Precious metal enriched skarns in British Columbia, British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1989-3, pp. 44-50, 1989.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR	DMacR	JL			
Date Date	03-84	01-86	03-88	10-90			