

PRODUCT COPPER
PRODUIT

PROVINCE OR PROVINCE OU British Columbia
TERRITORY TERRITOIRE

N.T.S. AREA 92 L/5
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

YREKA

OBJECT LOCATED - Area of production (1965-67); on Superior
OBJET LOCALISÉ (L 106) and N.S. Fr. (L 111) claims.

UNCERTAINTY 300 m Lat. 50°27'25" Long. 127°33'55"
FACTEUR D'INCERTITUDE Lat. Long.

Mining Division Nanaimo
Division minière

District Rupert
District

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 rocks underlying the claims are andesites, agglomerates, tuffs, and limestones correlated with the Vancouver group of Triassic age. They comprise three principal units--a lower unit of andesitic lavas to an elevation of about 900 feet; a middle unit consisting of banded limestone to about 1,000 feet, overlain by tuffs and agglomerates with lenticular beds of limestone to about 2,000 feet; and an upper unit of tuffs and andesitic flows. They are intruded by dykes and sills of basalt, diabase, and quartz-feldspar porphyry. The bedded rocks are folded about a northwest-southeast axis plunging 30 degrees northwest. An anticlinal nose is exposed in an open-cut near the southeast corner of the Superior claim. The beds in the southwest limb dip at 35 to 55 degrees into the face of the mountain.

A prominent shear zone, striking north 45 degrees east and dipping 70 degrees southwest, was opened by two adits on the New Comstock claim during the initial exploration of the property. Stopping on the Superior claim has indicated there are two fault directions in the mine. One set strikes N40°E, dip 65°SE, the other strikes N30°W, dip 80°NE. The ore shoots

see Card 2

Associated minerals or products - Gold, silver.
Minéraux ou produits associés

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

The property is located on the west side of Neroutsos Inlet, Quatsino Sound, west side of Vancouver Island. The property extends from Tidewater to the 2,500' elevation on Comstock Mountain.

Two claim groups, the New Comstock and Superior, comprising 8 claims each, were located in 1898-99 by residents of the Quatsino Sound area. The claims were bonded in 1900 by F.S. Barnard, of Victoria, and development work began in open cuts and adits. Tacoma, Washington, interests acquired the two groups of claims in 1901 and The Yreka Copper Company was organized; the company was registered in British Columbia in February 1902. The 16 claims (Lots 81-90, 106, 107, 109, 111-113) were Crown-granted to the company in 1903. Development work during 1902-03 was done in open cuts and 3 adits. An aerial tramline was installed and about 2,500 tons was mined from an open quarry "Clyde cut" on the New Comstock claim (Lot 60).

The North-Western Smelting and Refining Company, Limited acquired a lease on the property in May 1903 and further development work was done on the New Comstock claim; the workings to date included approximately 1,200' of drifts and crosscuts in Adit Nos. 1-4; the property closed early in 1904. The Yreka Copper Company registration was surrendered in 1912. The property was held in subsequent years by A.J. Davis of Butte and J. Breen of Spokane.

In the fall of 1916 N.S. Clark and S. Silverman, of Spokane, optioned the property from the above owners. Exploration work in open cuts and drifts located new showings on the N.S. Fr. (Lot 111) and Superior (Lot 106) claims; Nos. 5 and 6 adits were driven. A new aerial tramline was installed in the spring of 1917 and 900 tons of ore were shipped, however, the ore proved to be too low grade. Payments under the option agreement were not met and the owners re-possessed and closed the property in August 1917. Silverman and associates incorporated Tidewater Copper Company, which was registered in British Columbia in November 1918. The company bonded the Yreka property early in 1919 but no activity was reported; the company registration was surrendered in 1929.

see Card 2

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1902 to 1917, 3,752 tons of ore were shipped from this property. From this ore 59 ounces of gold, 4,245 ounces of silver, and 174,642 pounds of copper were recovered.

Total production from November 1965 to October 1967 is reported as 156,586 tons, producing 19,665 tons of concentrate (Report of Minister of Mines, 1967, p. 70).

Production during 1966-67 totalled 147,239 tons; from this ore 1,545 ounces of gold, 141,629 ounces of silver, and 8,502,517 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
 1900, p. 924; 1901, p. 1100; 1902, p. 234;
 1903, pp. 194, 198-200, 256; 1904, pp. 245,
 301, 302; 1905, p. 213; 1906, pp. 183, 200;
 1916, pp. 337-339; 1917, pp. 254, 292;
 1919, p. 203; 1928, p. 376; 1953, p. 167+;
 1954, p. 164; 1955, p. 76++; 1956, p. 117;
 1964, p. 154; 1965, p. 228; 1966, p. 65+++;
 1967, p. 70.

Dolmage, V.; Quatsino Sound and Certain Mineral Deposits of the West Coast of Vancouver Island, B.C.; Summary Report 1918, Pt. B, pp. 35-36, Geol. Survey of Canada.

Gunning, H.C.; Geology & Mineral Deposits of Quatsino-Nimpkish Area, Vancouver Island, B.C.; Summary Report 1929, Pt. A, p. 124, Geol. Surv. of Canada.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 272; 1971, p. 317; 1972, pp. 288-9.

Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-area; Paper 74-8, p. 60, Geol. Surv. of Canada, 1974.

Mineral Policy Sector; Corporation Files: "Yreka Mines Limited"; "Minoca Mines Ltd."; "Secondo Mining Ltd."; "Green Eagle Mines Ltd."; "Uke Resources Ltd."

Ball, C.W.; Yreka Copper-Zinc Property, March 23, 1981 in VSE Statement of Material Facts 61-81, Uke Resources Ltd.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 255 A, Quatsino-Nimpkish Area, Northern Vancouver Island, B.C., (Geol.), (Mining Properties), Sc. 1":2 miles - accomp. Summary Report, 1929.

#Yreka Property, claim & showings map, Sc. 1":950', Fig. 3 - accomp. Rept. by Ball.

Part of the Yreka property showing intrusives, skarn & adits, Sc. 1":250', Fig. 11, Report of Minister of Mines, British Columbia, 1953, p. 168.

Map 1733 G, Neroutsos Inlet, (Aeromag.), Sc. 1":1 mile.

*Map 92 L/5, Mahatta Creek, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	06-81						

PRODUCT PRODUIT	COPPER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 L/5 RÉGION DU S.N.R.C.	REF. CU 1 RÉF.
NAME OF PROPERTY NOM DE LA PROPRIÉTÉ		YREKA		HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR		
DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)						
<p>tend to lie along the N40°E set; the N30°W set contains some mineralization. The line of intersection of these faults rakes S40°E and 65° and is nearly parallel to the rake of the ore-shoots.</p> <p>The principal mineralized zone is part of the middle stratigraphic unit; namely, the limestones, agglomerates, and tuffs between elevations of 900 and 2,000 feet. This zone has been divided megascopically into the following rock types: Dark blue-grey recrystallized limestone, soft light-grey recrystallized limestone, silicified limestone, limy tuff and agglomerate, hard flinty agglomerate, hard flinty tuff, and epidote-garnet skarn. The epidote-garnet skarn, of which there appears to be three main beds, contains almost all of the mineralization; in order of abundance, pyrrhotite, chalcopyrite, and pyrite; the latter is sparse. Magnetite is occasionally visible and, rarely, specularite.</p> <p>The 'A' zone, mined in 1965-67, was 50' wide, 160' long, and 200' high, and contained about 3% copper. Zones of lower grade material are indicated in the vicinity of these same workings. The Blue Grouse showings, on the Mountain King claim (lot 86) and the Upper Blue Grouse showings on the New Comstock claim are gossan zones containing copper-zinc-silver mineralization in limy tuffs.</p>						

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

Uke Resources Ltd., incorporated October 1978, acquired the 16 reverted Crown-granted claims. Work during 1979-80 included rehabilitation of the workings, and diamond drilling on the Tuscarora claim. Based on former drilling, and plans and sections of the 1,750' and 1,900' levels, indicated reserves were reported as 118,450 tons at 1.05% Cu, 0.02 oz/t Au, 0.60 oz/t Ag (C.W. Ball, 23/03/81 in VSE Statement of Material Facts 61/81, Uke Resources Ltd.).

*Plan presented as early as possible in 1982
(C.W.B. 22/01/82)*