

PRODUCT
PRODUIT SILICA

PROVINCE OR
TERRITORY PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA
RÉGION DU S.N.R.C. 92 L/12

REF. SIA 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ (LAFARGE SILICA, HOLBERG RHYOLITE) BETTY, APPLE

OBJECT LOCATED
OBJET LOCALISÉ - showing

UNCERTAINTY 1,000 Lat. 50°36'10" Long. 127°38'50"
FACTEUR D'INCERTITUDE Lat. Long.

Mining Division
Division minière Nanaimo

District
District Rupert

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 area is underlain by Jurassic Bonanza volcanic and Cretaceous Longarm sediments.

The material is a highly silicified part of an inter-layered sequence of acid flows and tuffs. The rock forms an isolated knoll about 100 feet high and 800 feet in circumference on the shore of a small point in Apple Bay. The rock is strongly brecciated. In the area of the knoll that was stripped for quarrying, parts of the rock appear to be altered rhyolite flow rock, but most seem originally to have been a lapilli tuff with fragments as large as 1 inch in diameter. In some thin-sections examined the fragments were found to be pumiceous and perlitic.

A low outcrop on the shore 120 feet west of the knoll consists of dark tuff partly replaced by pyrite. Some of this rock contains carbonized tree fragments. A foliation that may represent the attitude strikes north 55 degrees east and dips 30 to 35 degrees northwest. The alteration has consisted

p.t.o.

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

The showing is located near Apple Bay, on the north shore of Holberg Inlet, 4½ miles west of Coal Harbour at an elevation between 100 and 200 feet.

Lafarge Cement of North America Ltd. quarried the property for rhyolite in 1965. The Company diamond drilled 7 holes to determine reserves.

In 1968 Canada Cement Lafarge Ltd. held the Apple showing as the Helen, Betty, Rainbow, and SI 1 to 3 claims. The company carried out surface geological mapping over the claims.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1965, 5,000 tons of rhyolite were shipped to a Vancouver cement plant.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1965, p. 276; 1968, p. 330.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

#Map 92 L/12 E, Quatsino, (Topo.), Sc. 1:50,000.

Map 1734 G, Quatsino, (Aeromag.), Sc. 1":1 mile.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (Continued)

chiefly of silicification with some kaolinization and, in places, considerable pyritization. The secondary silica is partly chalcedony and partly microcrystalline quartz.

A grab sample of equal-sized chips gathered at random over the stripped surface of the knoll contained 93.9 per cent SiO₂, 3.86 per cent Al₂O₃, and 0.13 per cent Fe.

REMARKS/REMARQUES

BCI 92 L - 150

Comp./Rev. By Comp./rév. par	LJ						
Date Date	10/75						