

NAME OF PROPERTY SATURNA ISLAND

OBJECT LOCATED - Quarry - from descriptive data.

UNCERTAINTY IN METRES 200. Lat. 48°48'30" Long. 123°11'

 Mining Division Victoria District

 County Township or Parish

 Lot Concession or Range

 Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The exposed bedrock is shale of the Upper Cretaceous Nanaimo Group. It is blue-grey when fresh but weathers buff to brownish. The rock is well laminated in beds 1 to 4 inches thick that strike north 55 degrees west and dip 40 degrees northeast. Fresh rock is massive, but on exposure to the weather it soon breaks down into $\frac{1}{2}$ - to 1-inch cubes.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on Saturna Island some 25 miles north-northeast of Victoria. The quarry is located one-quarter mile east of the head of Winter Cove.

British Columbia Lightweight Aggregates Ltd., in 1959 stripped an area about 500 feet wide and 1,500 feet long for a quarrying operation. In September 1959 the company began producing coated light-weight aggregate by expanding shale in a plant located on the peninsula between Winter Cove and Lyall Harbour. The shale is crushed to 5/8 inch size and passed through an oil-fired rotary kiln. The high temperature causes the shale fragments to expand to form porous cinder-like individuals that acquire a thin glassy skin or outer coating and a rounded shape. When in full operation the plant produced 325 cubic yards of expanded shale aggregate per day. Operations ceased in November 1974.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1960, p. 138; 1961, p. 143; 1962, p. 150; 1963, p. 140; 1966, p. 264 + ; 1967, p. 302; 1968, p. 298.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 388; 1970, p. 495; 1971, p. 459; 1972, p. 583; 1973, p. 544; 1974, p. 377.

MAP REFERENCES

Geological Map of Galiano, Mayne, and Saturna Islands; Sc. 1":1½ miles, accomp. Report of Minister of Mines, British Columbia, 1913, pp. 292-297.

#Map 92 B/14 E, Galiano Island, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
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