

NAME OF PROPERTY

HOTSPRING ISLAND

OBJECT LOCATED -hot spring.

UNCERTAINTY IN METERS 300.

Lat. 52°34'35" Long. 131°26'30"

Mining Division Skeena

District Queen Charlotte

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The wallrock is a Masset volcanic porphyry plug, intrusive into the Longarm Formation. These rocks are cut by quartz veins varying in thickness from the smallest stringer up to several inches.

The spring issues by a number of fissures from the agglomerate rocks at a rate of about two cubic feet per minute.

The temperature of the water as it issues from the rocks was found to be 72°C. Analysis of a water sample obtained was as follows:

Total solids	-	313	grains per gallon.
Chlorides	-	129.5	grains per gallon.
Sulphates	-	5.5	grains per gallon.
Sulphides	-	Trace	
Silica	-	0.015	grains per gallon.
Calcium	-	Trace	
Potash	-	None	
Salts of Heavy Metals	-	None	

p.t.o.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The hot mineral spring is located at a 30-foot elevation on the west shore of Hotspring Island which lies 4 miles south of Lyell Island.

Analysis of the spring was taken in 1901.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

REFERENCES

Brown, A. Sutherland; Geology of the Queen Charlotte Islands; Bulletin No. 54, Fig. 34, British Columbia Dept. of Mines, 1968.

Reports of Minister of Mines, British Columbia: 1901, pp. 1001-1002.

British Columbia Dept. of Mines, Mineral Deposit Inventory, Property No. 264.

MAP REFERENCES

Geology of the Queen Charlotte Islands, Sc. 1:125,000, Fig. 5, Sheet A - accomp. Bulletin No. 54.

#Sheet 103 B-C, (MI), Moresby Island, Mineral Inventory Map, Sc. 1:250,000, British Columbia Dept. of Mines.

*Map 103 B/11 W, Ramsay Island, (Topo.), Sc. 1:50,000.

BCI 103 B-C-14

DESCRIPTION OF DEPOSIT (continued)

Elemental content and Ph, was as follows:

Si	-	46	ppm	} Ph at 23°C was 8.1
Ca	-	61	ppm	
Na	-	784	ppm	
K	-	48	ppm	
Cl	-	1,742	ppm	
So ₄	-	199	ppm	
HCO ₃	-	24	ppm	

REMARKS

Comp./Rev. By	LJ						
Date	6-75						