

COVE CAY WATER SYSTEM BACKGROUNDER



CONTEXT

The Cove Cay Water System is located in the community of Earls Cove in Electoral Area A (Egmont/Pender Harbour), at the northern part of the Sunshine Coast Regional District, and on the territory of the shíshálh Nation.

The water system was formally Cove Cay Water Works, installed in 1978. It was incorporated into the SCRD's Regional Water Service Area in 1996 following a request from residents of Jervis Inlet Road and Earls Cove Road to extend their independent system. It is operated as an independent water system, not connected to any other system.

WATER SOURCE

Cove Cay is a single-source water system that draws water from Ruby Lake. Ruby Lake is 422 hectares in size and has an average depth of 171 feet.

SUPPLY INFRASTRUCTURE

The Cove Cay Water System provides potable water to approximately 75 metered connections in the Cove Cay and Jervis Inlet Road communities near Earls Cove. The system consists of an intake on Ruby Lake, one pump station, one reservoir (390,000 litres), one chlorination facility, watermains, and 13 hydrants. Water is pumped from the lake and chlorinated to kill bacteria and viruses. Treated water is conveyed to the Cove Cay Reservoir, and then distributed to water connections. In general, infrastructure within the Cove Cay Water System is in good condition, however, investment in the pump station and treatment due to age and lifespan, will be required in the coming decade. The Cove Cay Water System produces just over 1.7 million litres of treated drinking water per year.

FUNCTIONALITY

The Cove Cay Water System is currently working well below its designed capacity and has never gone past Stage 1 Water Conservation Regulations during high-demand summer months.



FAST FACTS

Water Source:
Ruby Lake

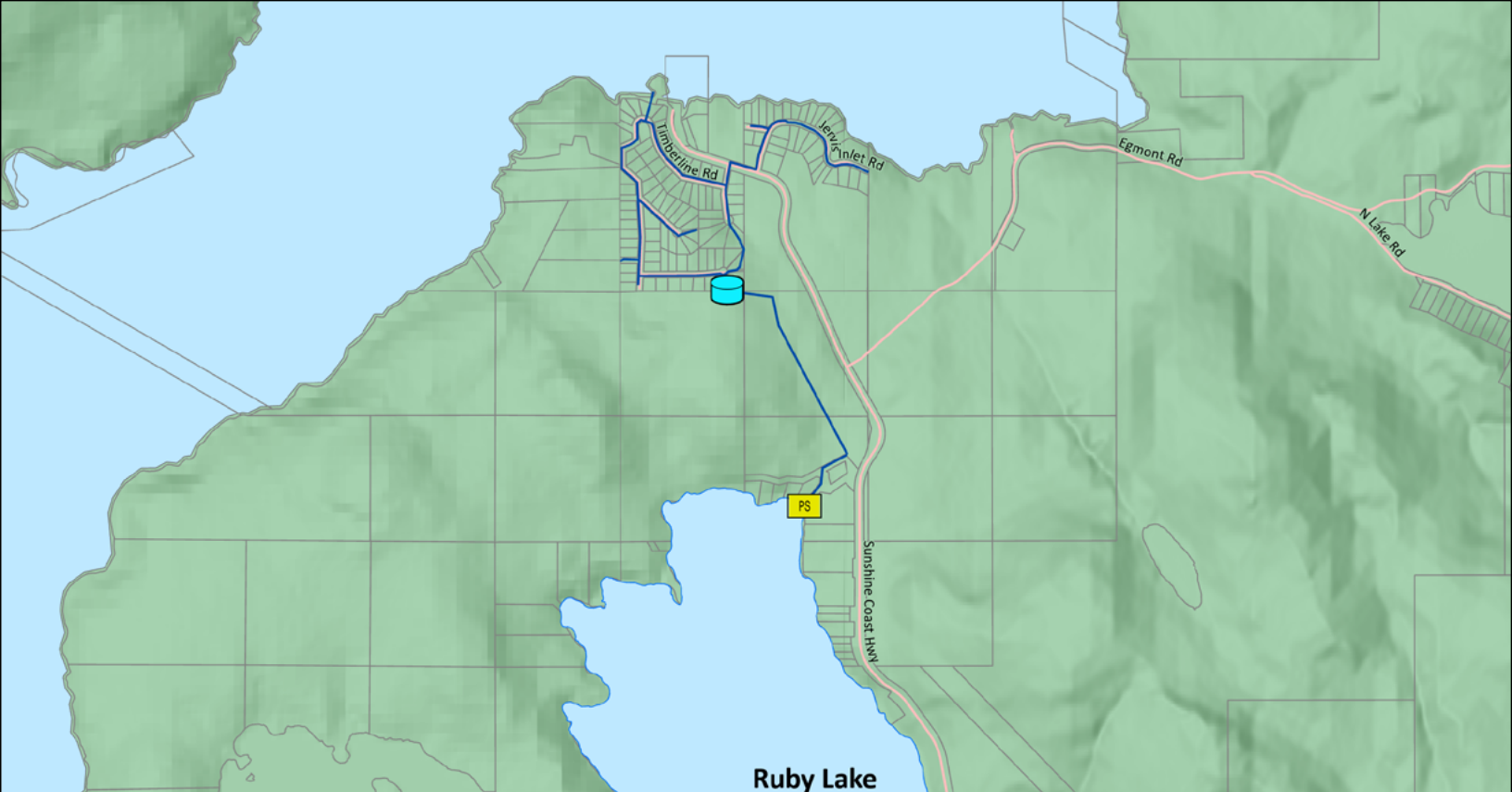
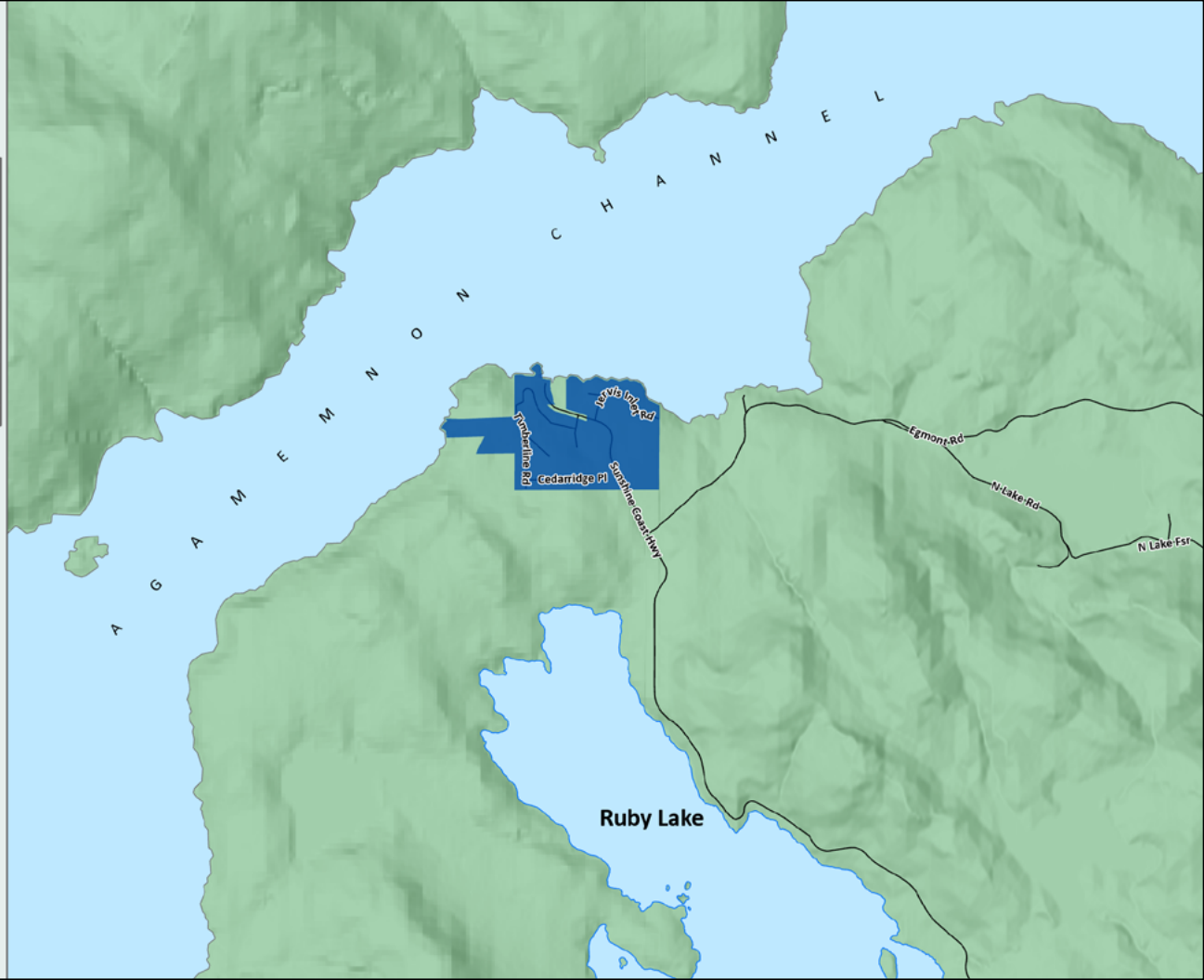
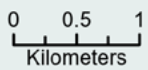
Number of Connections:
75

Total Water Distributed:
1.7 million litres/
year

Context Map Cove Cay



- Cove Cay Water Service Area
- Water Source Lake
- Roads



Cove Cay Water System Infrastructure

- Pump Station
- Water Main
- Water Source Lake
- Property Boundary
- Reservoir
- Road

