

EGMONT WATER SYSTEM BACKGROUNDER



CONTEXT

The Village of Egmont is located at the northern part of the Sunshine Coast Regional District, in Electoral Area A (Egmont/Pender Harbour). The water system is located on the territory of the shíshálh Nation.

The Egmont Cove Properties Owners Association, a non-profit community association, operated the Egmont Water System for almost 50 years. The management of the Egmont Water System was taken over by the SCRD in 2012 based on a recommendation by Vancouver Coastal Health due to ongoing water quality issues and the need to provide further water treatment and disinfection.

WATER SOURCE

Waugh Lake is the sole water source for the Egmont Water System. Waugh Lake is located 50 metres above sea level and has a surface area of 30 hectares, a volume of 4.98 million cubic metres (m³), and is underlain by granitic and volcanic bedrock. The lake is dependant on precipitation to replenish water levels.

SUPPLY INFRASTRUCTURE

The Egmont Water System provides potable water to approximately 25 residents and several businesses. The system consists of an intake at Waugh Lake, pump station, water treatment plant, reservoir, watermains, and residential water meters.

Water from Waugh Lake is pumped to a water treatment plant and is treated with through a three-step process: filtration (remove debris), ultraviolet disinfection system (sterilizes bacteria and viruses) and chlorination (kills bacteria and viruses). Treated water is then stored in the Egmont Cove Reservoir, which can store up to 270,000 litres of water. Each service connection is metered, which has improved the ability to locate and fix both private and public side leaks quickly.

FUNCTIONALITY

The Egmont Water System is working at its designed capacity during high-demand summer months. The SCRD is currently looking at options to increase filtration at the water treatment plant. Approximately 10 million litres of drinking water is distributed through the Egmont Water System each year. Waugh Lake is a more than adequate water supply for current Egmont residents.



FAST FACTS

Water Source:
Waugh Lake

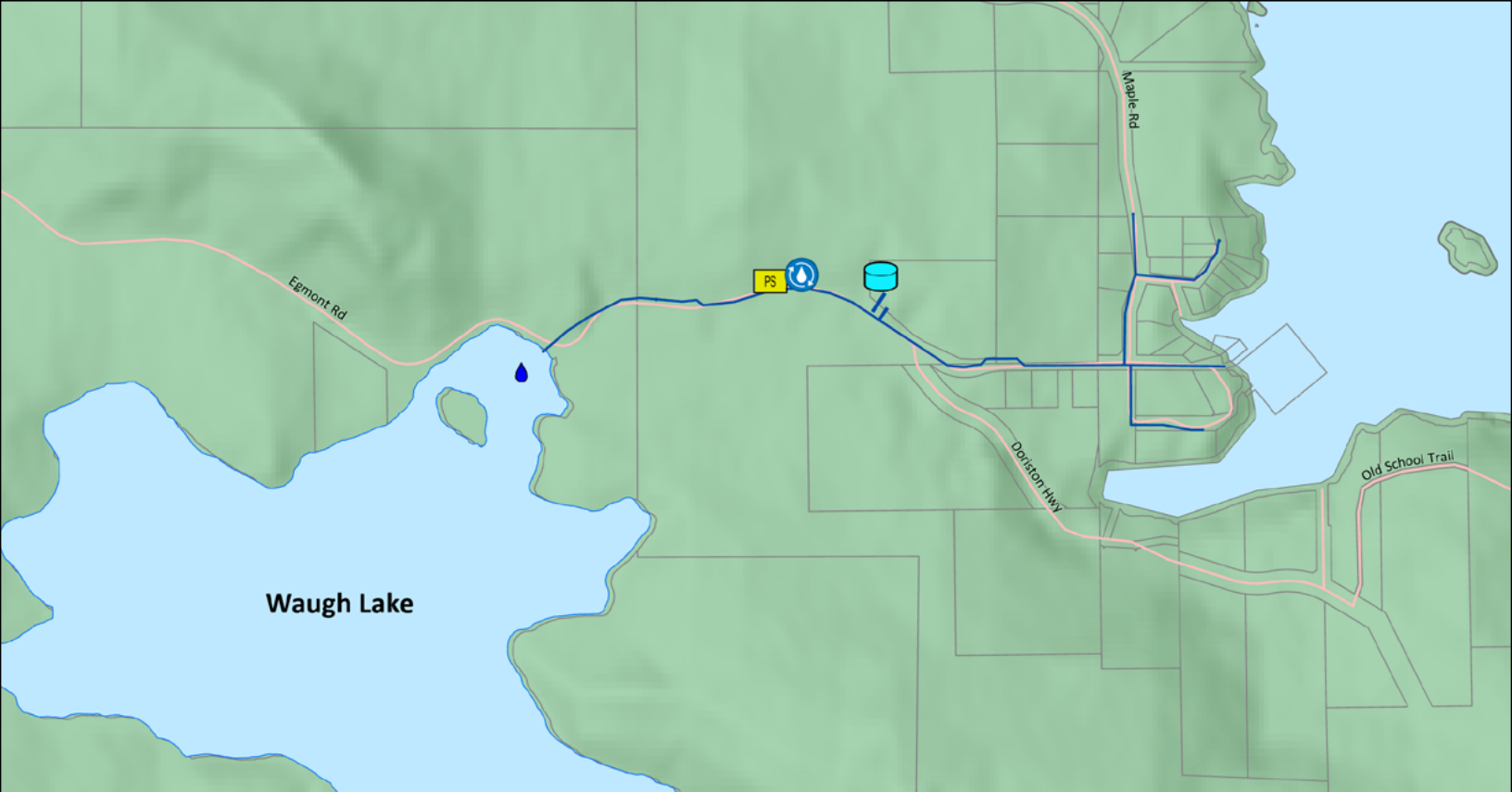
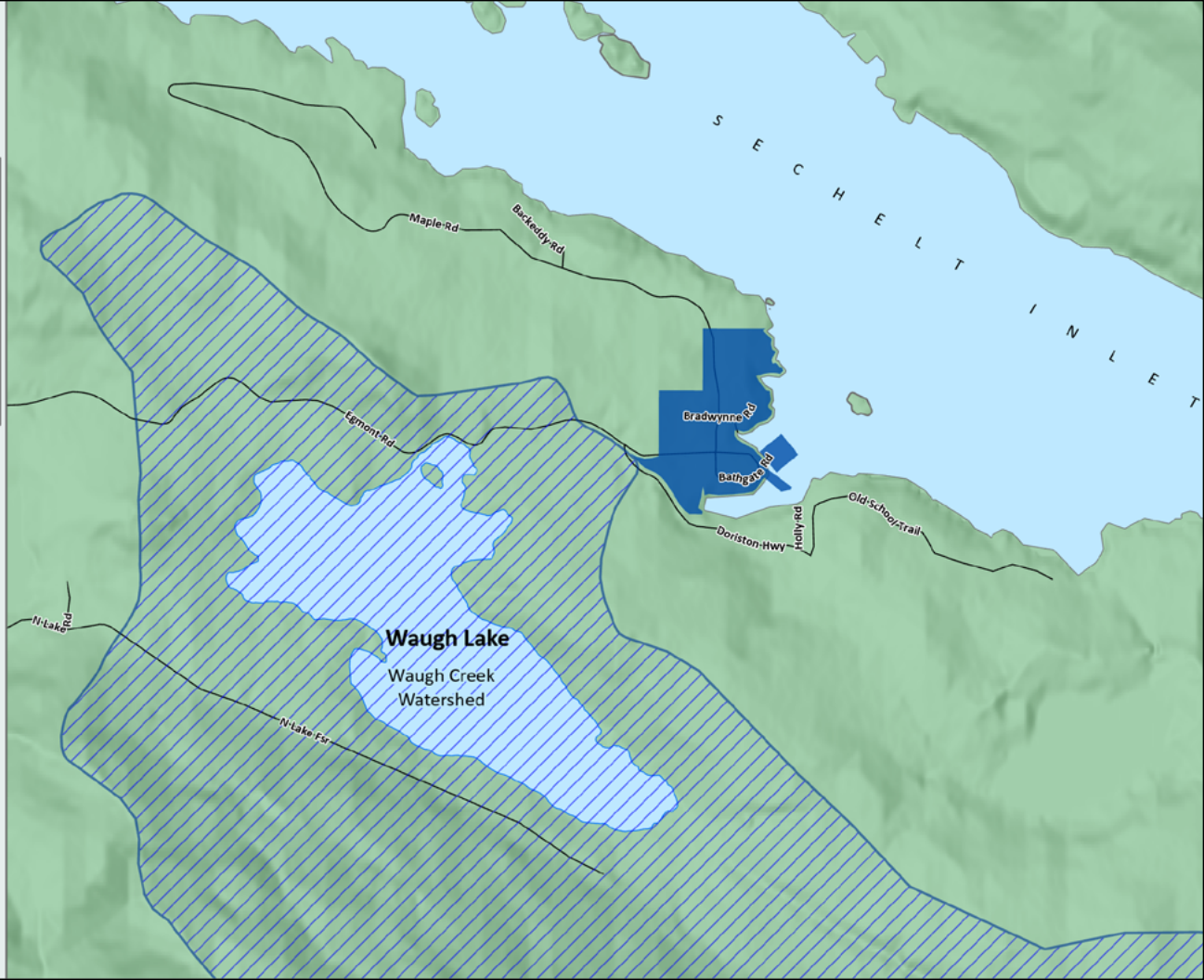
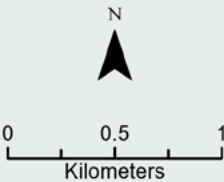
Number of Connections:
25

Total Water Distributed:
1 million litres/year

Context Map Egmont



- Egmont Cove Water Service Area
- Active Community Watershed
- Water Source Lake
- Roads



Egmont Water System Infrastructure

- PS Pump Station
- Water Intake
- Water Source Lake
- Property Boundary
- Reservoir
- Water Main
- Road
- Water Treatment Plant

