



## Christopher Lake Control Structure

The Christopher Lake outlet structure controls outflows and water levels in Christopher Lake. It was constructed in 1967 and consists of a small concrete intake structure controlled by wooden stoplogs discharging into twin 42-inch culverts.

WSA has committed to a multi-year program to upgrade its legacy structures to modern day standards for operability, public safety and operator safety. Upgrades vary on a site-by-site basis, but common elements of this program include fencing, public safety and informational signage, as well as powering the water control gate actuators and other lifting devices.

The specific upgrade work at Christopher Lake outlet structure includes replacing the stoplog intake structure with a gated intake structure. Other upgrades to the site include chain link fencing, signage, traffic guardrails, beaver screens on the culvert outlets and electrifying gate operations.



The work has been designed to minimize impact to surrounding stakeholders, specifically:

- o The intake structure will be precast concrete to minimize the installation window

- o One lane of the road will be open throughout the course of construction

To facilitate the work, a temporary cofferdam may be placed in the intake channel. In-channel work is anticipated to take approximately 2 weeks.



The projected timeline is as follows:

- o September 2022: Public procurement to select a contractor

- o October 2022 to August 2023: Procurement and offsite preparation and fabrication

- o Late August 2023 to November 2023: Construction

- o Note that construction has been timed to avoid spring runoff, spring fish spawning restrictions and summer cottage season

- o November 2023: New structure in service