

SITE C PROJECT CONSTRUCTION

CLEARING AND DEBRIS MANAGEMENT

The Site C project includes an 83-kilometre reservoir that will be about two-to-three times the width of the current river. The reservoir will extend west from the Site C dam site to Hudson's Hope.

While filling the reservoir is one of the last construction activities to take place, work to clear the reservoir of trees and vegetation began in 2016 to prepare for the 2020 river diversion, realignment of Highway 29, and other activities.

The reservoir areas cleared take into account slope and terrain stability, riparian areas, vegetation heights in relation to reservoir levels, and boat use. This is consistent with best practice methods for hydroelectric reservoirs as it allows for merchantable wood to be delivered to local mills, supports a safe boating environment, and reduces the amount of methylmercury in the reservoir.

Contractors accessed work areas by using temporary and existing access roads. They have used hand and machine clearing techniques, depending on the area and terrain. All clearing has been done in accordance with the conditions of the Environmental Assessment Certificate, the Federal Decision Statement, and the Construction Environmental Management Plan.

Debris management

The wood cleared from the reservoir and other areas will need to be removed and/or disposed.

Merchantable trees of sufficient size, quality, and volume to make them suitable for harvest and transport is hauled to local mills. The remaining wood is often spread as coarse woody debris or burned on site.

Burning

When conditions allow, wood is burned at the dam site, in the transmission line corridor, and along the reservoir area.

Our contractor plans and monitors any burning carefully, including the timing, size and location of the wood piles, and the smoke being emitted. The contractor has a Qualified Environmental Professional that surveys each burn pile to confirm compliance with regulatory requirements and project commitments. Burning is done in compliance with our Smoke Management Plan.

Typically burning happens between November and March. However, open burning can take place at any time of the year if conditions allow for safe burning and an acceptable venting forecast.

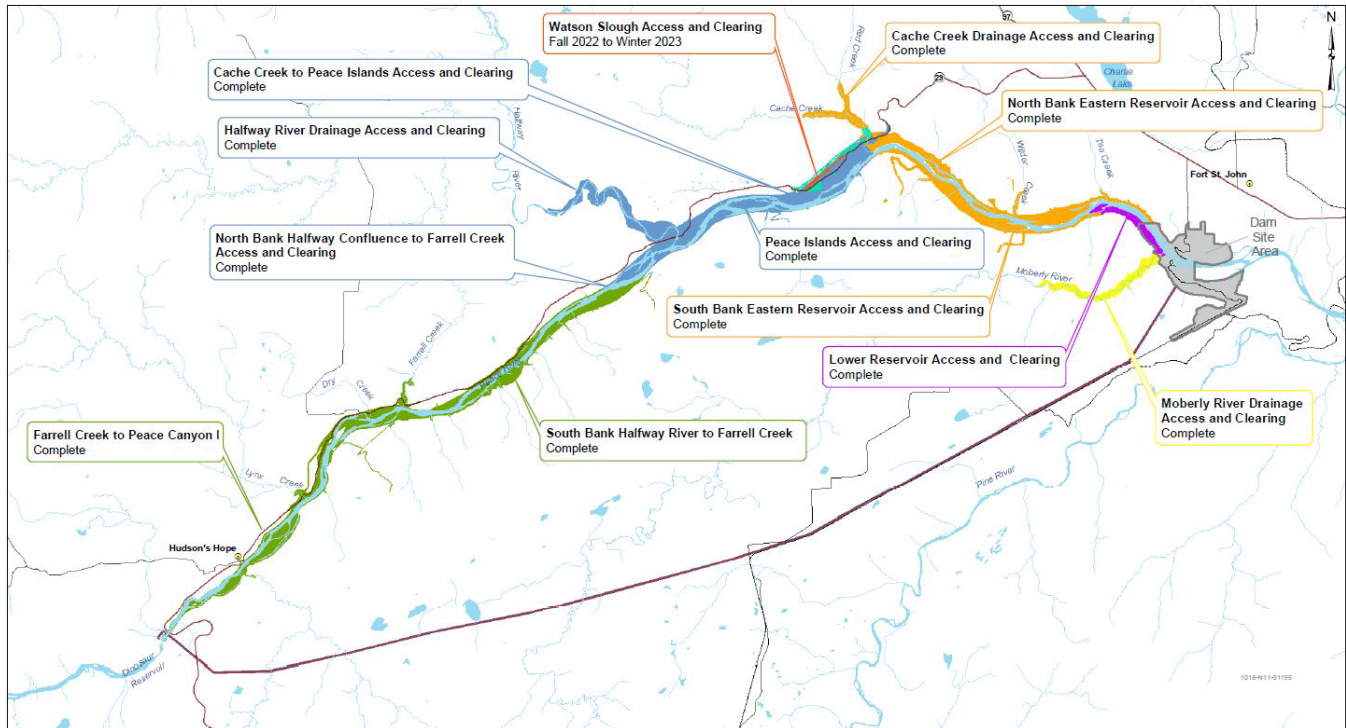
Air quality

We monitor weather and air quality at four monitoring stations in and around the Site C project site. The Province of B.C. also has weather and fine particulate monitoring stations in the Fort St. John area. We share monitoring results with the Province of B.C. which may issue public weather and air quality warnings, if needed.

Notification process

- Prior to any burning, our contractor notifies local and regional governments, Indigenous groups, provincial agencies, first responders, health care providers, and nearby property owners, as outlined in the Smoke Management Plan.
- Our contractor makes every effort to provide 24-hour notification to these groups prior to burning.
- In some circumstances, daily forecasts may not allow for a 24-hour notification. In these cases, stakeholders will be notified the morning of burning.
- Information about planned burning is included in the bi-weekly Site C construction bulletin.

Clearing map



<p>Moberly reservoir access and clearing: complete wood waste removal 2022-2023</p>	<p>Lower reservoir access and clearing: complete wood waste removal 2022-2023</p>
<p>South bank eastern reservoir access and clearing: complete</p>	<p>North bank eastern reservoir access and clearing: complete wood waste removal 2022-2023</p>
<p>Cache Creek drainage access and clearing: complete</p>	<p>Watson Slough access and clearing: fall 2022 – winter 2023</p>
<p>Cache Creek to Peace Islands access and clearing: complete wood waste removal 2022-2023</p>	<p>Peace Islands access and clearing: complete wood waste removal 2022-2023</p>
<p>Halfway river drainage access and clearing: complete wood waste removal 2022-2023</p>	<p>North bank Halfway confluence to Farrell Creek access and clearing: complete wood waste removal 2022-2023</p>
<p>South bank Halfway River to Farrell Creek: complete wood waste removal 2022-2023</p>	<p>Farrell Creek to Peace Canyon: complete wood waste removal 2022-2023</p>