

Site C Construction Schedule: August 20 – September 2, 2022



Crews complete one of the final concrete deck pours on Farrell Creek bridge, as part of the Highway 29 realignment. See more photos in the [image gallery](#).

News and highlights

- Work is progressing this summer on the earthfill dam. Check out our latest video to learn how we're building it. Watch [here](#).
- Lowering water levels in Watson Slough will begin in the fall. Learn more about this work [here](#). For more information on Watson Slough read more [here](#).

Dam site area – north bank and south bank

- Excavation of the approach channel, drilling and grouting, and underground works on the north and south drainage features are underway. Concrete placement in the approach channel has started.
- Powerhouse, spillway, and dam and core buttress construction continues. This includes concrete placements at the powerhouse, intakes, and spillways.

- The penstock deliveries are completed.
- Installation of the final penstock segments on the last unit have been completed.
- Gantry crane installation for headworks.
- Powerhouse Balance of Plant; installation of cable tray and other electrical components has started on the generator floor. The mechanical contractor has started applying coatings in the draft tube cone access area.
- Installation of steel piles and tailrace excavation continue as part of the [right bank foundation enhancements](#). The piles extend the foundation further into the bedrock.
- Turbine and generator components and materials continue to be delivered to site, and some to storage, for future installation. To date, three of six turbines have arrived at site and the fourth turbine runner is being stored off-site. The remaining two runners will likely be delivered next winter when road conditions allow.
- Installation of turbine embedded parts continues in the powerhouse, and generator rotors are being assembled in the main service bay.
- Clearing and road construction activities to access aggregate sources on the south bank (Area E and Area 24) and north bank (Howe Pit) are underway.
- Construction of foundations for three 500-kilovolt transmission lines between the Site C Substation and the Site C Powerhouse will continue. Transmission tower assembly and installation will begin.

Highway 29 realignments

- [Visit our website](#) for Highway 29 schedules, maps, and construction updates.

Cache Creek East (596-metre-long bridge and six-kilometre-long highway realignment)

- Construction of the highway grade will continue, including processing, stockpiling, and hauling of aggregates from Peaceview Pit.
- Civil works, including excavation, grading and placement of riprap and aggregates on the new highway alignment will continue. Riprap will be hauled to site from a quarry near Chetwynd and stockpiled on site.
- The installation of formwork and rebar will continue for the construction of the cast-in-place concrete parapets. Concrete will be delivered from Fort St John.
- The construction of a new distribution line adjacent to the new highway alignment may occur.

Halfway River (1.05-kilometre-long bridge and a three-kilometre-long highway realignment)

- Minor works, including some patching of asphalt pavement and concrete finishing on the bridge will occur.
- Site clean-up and demobilization of equipment will occur.
- The installation of Telus infrastructure on the bridge may occur.

Farrell Creek (417-metre-long bridge and 1.9-kilometre-long highway realignment)

- The installation of formwork and rebar on the bridge deck will continue. This may require single-lane alternating traffic.
- Concrete pouring will occur on the bridge for the parapets. This will occur in sections and may require 24-hour operations and single-lane alternating traffic.
- Construction of the earthworks for the east and west tie-ins will continue, including removal of asphalt and hauling of aggregates from Peaceview Pit and placement on the new highway alignment. There may be single-lane alternating traffic and occasional traffic stops during construction of the tie-ins.
- Asphalt paving may occur, depending on the availability of the paving subcontractor and good weather.

Dry Creek (158-metre-long bridge and 1.5-kilometre-long highway realignment)

- Construction will continue, including paving of the new highway and hydroseeding of the site.

Lynx Creek (152-metre-long bridge and 8.5-kilometre-long highway realignment)

- Hauling and placing aggregates and riprap along the highway alignment will occur. Riprap will be hauled from Portage Mountain and quarries near Chetwynd and stockpiled on site.
- Processing of aggregate adjacent to Highway 29 will continue.
- Operation of an asphalt plant will occur for Farrell Creek East, Dry Creek, Farrell Creek and Lynx Creek paving.
- The construction of the cast-in-place parapets on the new Lynx Creek bridge will occur in multiple lifts. This may require 24-hour operations.
- The installation of a new distribution line on the new highway alignment will continue.
- The construction of the future Lynx Creek boat launch will continue.
- A detour may be built to divert traffic onto the new highway embankment to allow for completion of the embankment.

Fish habitat construction near Old Fort

- Construction of the access road from the dam site to the island near the community of Old Fort, east of the dam site is now complete.
- In river excavation will continue until the end of October.

Hudson's Hope shoreline protection berm

- The [construction of a 2.6-kilometre-long berm](#) to protect the shoreline of Hudson's Hope is in progress. Work includes hauling and placing of berm filter, berm fill and riprap to bring the berm up to the design elevation. Riprap will be hauled to site from quarries near Chetwynd.
- Hauling and placement of stockpiled aggregate on the berm will continue.
- The installation of drainage ditches and culverts will continue.
- The restoration of a borrow pit on the berm site will continue, including grading, placement of topsoil and hydroseeding.
- Water quality monitoring has been installed in the Peace River and a swift water rescue team is operating in the river during the work. Boaters are asked to obey signage and stay clear of the work area for safety reasons.

We continue to work with the Ministry of Transportation and Infrastructure regarding the road maintenance of Canyon Drive.

Gas monitoring station

- On July 8, 2022, BC Hydro deposited a *No Interference Notification of Work* to Transport Canada (Registry #5967) under the Canadian Navigable Waters Act for the installation of a total dissolved gas monitoring station in the Peace River.
- The monitoring equipment will be located approximately seven kilometres downstream from the Site C dam and will be marked with a yellow buoy.
- Installation is expected to begin August 20, 2022.
- The equipment will be secured to shore below the highwater mark and will be removed from the Peace River on May 1, 2024.
- The submission can be found on the [Common Project Search Registry](#).

Portage Mountain Quarry

- Rock hauling will occur from the Portage Mountain Quarry stockpile areas to the Highway 29 construction site at Lynx Creek.

Reservoir area

- Clearing activities will resume on the north bank of the Peace River between Farrell Creek and Peace Canyon.
- Road maintenance and log hauling will occur on the south bank of the Peace River.
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- Construction of a new Halfway River crossing for the existing transmission line will occur and involves access upgrades and foundation installation.
- Field investigations may occur.

Transmission works

- The transmission line contractor has demobilized from site and there is no work planned on the transmission line right-of-way.

Halfway River East Boat Launch

- Crews and equipment will mobilize to the [Halfway River east boat launch site](#) to begin construction. This will include mobilization of equipment and materials to site, stripping of the site and existing organics, and development of a disposal area for unsuitable soils.

Permitting

- On August 16, 2022, BC Hydro deposited a No Interference with Navigation Notification of Work to Transport Canada under the Canadian Navigable Waters Act. BC Hydro will be completing the decommissioning of existing Highway 29 bridge at the Lynx Creek section. Decommissioning activities will include the removal of:
 - the bridge guardrail.
 - concrete deck; and
 - girders.
- The works above are expected to commence in September 2022. The Project can be found through the Common Project Search site ([Common Project Search Registry](#)) Registry Number 6297.

Other areas

- Vegetation clearing has begun for the construction of access roads on the north shore of the Peace River, east of the dam site. This will support the creation of fish habitat this summer and fall.
- An increase in the number of watering trucks has begun, as well as the use of a suppression treatment product on gravel roads to mitigate dust concerns.

What to expect

Work will take place during the day, night, and on the weekend, until the project is completed. During this time, residents can expect:

Boating

- The Peace River near the dam site is permanently closed to boater traffic. Being on or near the water around the Site C construction area presents a serious safety risk to river users. Boaters are urged to stay away from the area and observe and obey all signage and beacons. [Read more.](#)

Traffic – please use caution and obey safety signage

- **Old Fort Road:** Near Gate B to the dam site, drivers may encounter loose gravel and increased commercial traffic. Due to equipment delivery, there may be [occasional short road closures](#) along Old Fort Road.
 - **Highway 29:** Construction-related equipment will travel along Highway 29 and Highway 97. Drivers on the road are reminded to travel at a safe distance behind construction vehicles particularly near the Highway 29 road realignment sections. Learn more at [drivebc.ca](#).
- Other areas:** Trucks with heavy loads will be accessing the dam site and other project areas, using public and resource roads.

Equipment, noise, vibration, and visibility

- Helicopters and commercial drones may be used to support investigative, and construction works.
- Some noise and vibration may occur near the dam site and work areas, including the quarries.
- There may be smoke and lower visibility in areas where wood debris burning is occurring.

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