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Site C Clean Energy Project
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March 8, 2018

Re: Notice of Site C Construction Activities: April to June 2019

This letter describes the work at Site C planned from April 1 to June 30, 2019.

For the upcoming period, construction will focus on:

- progression of earthworks at the dam site and excavation of the two diversion tunnels
- construction of the Site C substation
- waste wood removal and disposal, which may include burning, in parts of the transmission line corridor
- upgrades and maintenance for access roads connecting to the transmission line corridor
- transmission line construction, including: site preparation; helical pile and concrete foundations; and tower assembly and installation
- expansion of the outdoor switchyard and indoor gas-insulated switchgear at Peace Canyon
- construction of the Highway 29 realignment at Cache Creek West
- vegetation clearing and archaeological stripping along Highway 29 at Halfway River and the aggregate source
- geotechnical investigations of the western segments of Highway 29 (Farrell Creek, Lynx Creek and Dry Creek)
- road maintenance and road construction in areas of the future reservoir
- clearing activities, including waste wood removal, log hauling, disposal, and burning. This will take place in the lower, middle, and eastern reservoir areas.

For all activities described in this letter, the necessary permits, authorizations, licenses, or government approvals will have been obtained before the work begins. Geotechnical site investigations, air quality monitoring, heritage and other field studies are ongoing. BC Hydro will continue to provide annual field study notices of these activities, which are available on the [Site C website](#).

In all work areas, heritage investigations and geotechnical site investigations, including drilling test holes and installing test piles, may be required.

Please use caution when hunting, shooting, or setting traps near the Site C transmission line corridor for the safety of public and workers in the area.

Let us know if you have questions or concerns. We appreciate your feedback.

The following construction-related activities are expected to occur from April 1 to June 30, 2019:

Dam site area

- **Access roads:** Crews will continue to maintain dam site access roads and existing south bank resource roads, including petroleum development roads.
- **Main civil works:** Construction activities will continue this period.
 - excavation and material relocation on the north and south banks (includes drilling and blasting)
 - construction of the south bank drainage tunnel
 - construction of the diversion tunnels
 - in-river work and dredging
 - aggregate production
 - concrete batching, foundation preparation and construction of the spillway buttress
 - riprap placement
 - temporary upstream fishway construction
 - earth-fill dam preparation and other civil works
 - shipments of aggregate and rip rap to site
 - construction of a conveyance system for dam core materials
- **Generating station and spillways (GSS):**
 - Concrete will continue to be placed for the powerhouse and main service bay structures.
 - Preparation will continue for laydown areas for penstock and intake construction. Concrete will also be placed on the intake areas. Sections of the steel penstocks will be built off-site at a shop in Fort St. John and delivered to site.
 - Three new tower cranes will be installed, as part of the work in the powerhouse and intakes areas. Powerhouse steel superstructure installation will begin. Large powerhouse bridge crane parts will be delivered to site.
- **Turbines and generators:** The turbines and generators contractor will continue to mobilize crews and equipment to their work area on the south bank. The contractor will move material to the dam site by rail and will assemble equipment in their on-site manufacturing facility.
- **Site C substation:** The substation contractor will continue with site preparation works, foundation construction, control building fit out, and the assembly and installation of substation equipment. Concrete and aggregates will be shipped to site.
- **Dam site security:** Security infrastructure will be installed, including fencing.
- **Transmission line construction:** Two new 138kV transmission lines will be constructed for connection to the Site C substation.

Public roads and highways

- **Highway 29 at Cache Creek (western portion):** Construction will continue on this section of highway. This includes grading, earthworks and drainage.
- **Highway 29 at Halfway River:** Clearing and removing vegetation will be completed for the Halfway River segment, including in the new alignment right-of-way and aggregate

source areas. Archaeological studies may begin in June, depending on ground conditions.

- **Highway 29 western segments:** Geotechnical investigations will take place at Lynx, Dry and Farrell Creeks and at Farrell Creek East.

Peace River/reservoir

- **Fish habitat enhancement project:** The habitat enhancement contractor has mobilized to the south bank of the Peace River and will be working through this period.
- **Wildlife program:** Installation and monitoring of wildlife structures will take place.
- **Reservoir clearing:**
 - Clearing and road work will occur in the lower, middle, and eastern reservoir areas, including the Moberly River, around the Tea, Wilder and Cache creeks, and near Halfway River.
 - Most clearing will be complete by mid-April though some activities could extend into June under the appropriate approvals.
 - Road maintenance may occur on existing roads in the reservoir area, including the Bear Flat area and the lower portion of Old Hope Road. Please see the attached maps for more information.
- **Debris management:** Merchantable trees that are suitable for harvest and transport will be hauled to local mills. When conditions allow, wood will be burned at the dam site, transmission line corridors, and along the reservoir areas as part of clearing work.

Hudson's Hope

- **Site investigations:** Geotechnical studies may occur to support the design of the shoreline protection project.

Transmission works

- **Access road maintenance:** Road maintenance and upgrades to portions of existing access roads will occur, to provide safe access to the transmission line right-of-way. Work will include erosion and sediment control.
- **Access road construction:** Access roads may be constructed within portions of the transmission line right-of way.
- **Clearing and debris management:** Waste wood and debris will be disposed or removed. This may include mulching, spreading, or burning.
- **Peace Canyon generating station:** Upgrade works within the switchyard building will continue. Work will continue on the outdoor switchyard expansion, including equipment assembly and installation.
- **Transmission line construction:** Crews and equipment have been mobilized to their work areas in the transmission line corridor and the marshalling yards near Moberly Lake and Jackfish Lake Road. Foundations and towers are being assembled and installed. Work will continue until the start of spring break-up. Geotechnical investigations may continue beyond spring break-up as ground conditions allow.
- **Investigations for relocation of transmission line crossing at Halfway River:** Archaeological impact studies and geotechnical investigations will occur for the relocation of an existing transmission line that crosses the Halfway River.

Production and transport of materials

- **Wuthrich Quarry and West Pine Quarry:** Riprap will be produced. Blasting will occur as part of this work.
- **Portage Mountain Quarry:** Internal roads may be constructed.
- **85th Avenue Industrial Lands:** Work will continue at the Industrial Lands. This includes the preparation of offices, a parking lot, and laydown/stockpile areas. Excavation may begin in this period.
- **Conveyor belt system:** Construction will occur for the temporary conveyor belt system. This will include earthworks and pile driving. The conveyor is scheduled to be in service in fall 2019. Fencing will be installed along the conveyor right-of-way.

Water Licences and Leaves to Commence Construction

During the course of construction, BC Hydro will apply for a series of Leaves to Commence Construction (LCCs) under its Water Licences in order to construct particular project works or components of project works. Construction-related activities under the LCCs are also independently reviewed by the Independent Engineer and the Independent Environmental Monitor as required by BC Hydro's Water Licences.

To date, BC Hydro has obtained LCCs for:

- Initial works
- Relocated Surplus Excavation Material (RSEM) storage areas
- North and south bank excavations
- South bank stage 1 cofferdam
- Clearing of the eastern reservoir
- North bank cofferdams and diversion tunnel works
- Roller-compacted concrete (RCC) buttress foundation preparation and RCC placement
- Geotechnical investigations for the Hudson's Hope Shoreline Protection and Halfway River debris boom
- Earthfill dam excavation, foundation preparation, fill placement and approach channel foundation preparation and placement
- Generating station civil works and spillway civil works
- Construction of the temporary fish passage facility
- Water licences for temporary and permanent fish passage facilities

One LCC application is currently with the Comptroller of Water Rights for review, LCC11 for Stage 2 cofferdams, river diversion, and debris management. Two LCC applications are planned for the coming months, for clearing of the Halfway River debris boom island (LCC12A) and for middle reservoir clearing (LCC12B).

Notice of completed activities

The following work, described in previous notifications, is complete or is anticipated to be complete by the date of issuance of this letter:

- Clearing and vegetation removal at Halfway River along Highway 29

What to expect

During this time period, the following can be expected:

- There will be project-related traffic on public roads leading to the dam site, transmission corridor, reservoir and Highway 29, as contractors mobilize and continue to haul materials, equipment, rock, and timber. This will include increased industrial traffic on resource roads and public roads from Chetwynd leading to the site on the south bank.
- Day, night and weekend shifts are anticipated for the duration of the project.
- Traffic control will be intermittently in place for construction and investigation activities along Highway 29. This may cause minor traffic delays.
- Noise will occur near the project work areas as a result of construction.
- Noise and vibration will result from blasting and other works in the quarries. Hauling may occur at night.
- There will be construction occurring around the Peace River at the dam site.
- Public safety signs and beacons have been installed on both banks of the Peace River, upstream and downstream of the dam site, to mark the boundaries of the active construction area. Until further notice, boaters will be able to pass through the dam site, but will not have shoreline access in the dam site construction area. A security boat will be monitoring boat traffic.
- We are monitoring air quality in the Site C project area. This data is being added to the Ministry of Environment's B.C. Air Quality Monitoring Data (www.bcairquality.ca). The Ministry uses this data to report on air quality trends. In the event of poor air quality, the Ministry will release air quality advisories through a notification list. This notification list currently includes the regional media, various public and private sector offices, as well as members of the public. If you are interested in being part of this notification list, please email seth.oldham@bchydro.com.

Learn more

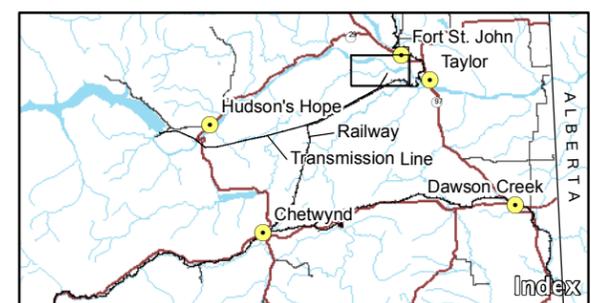
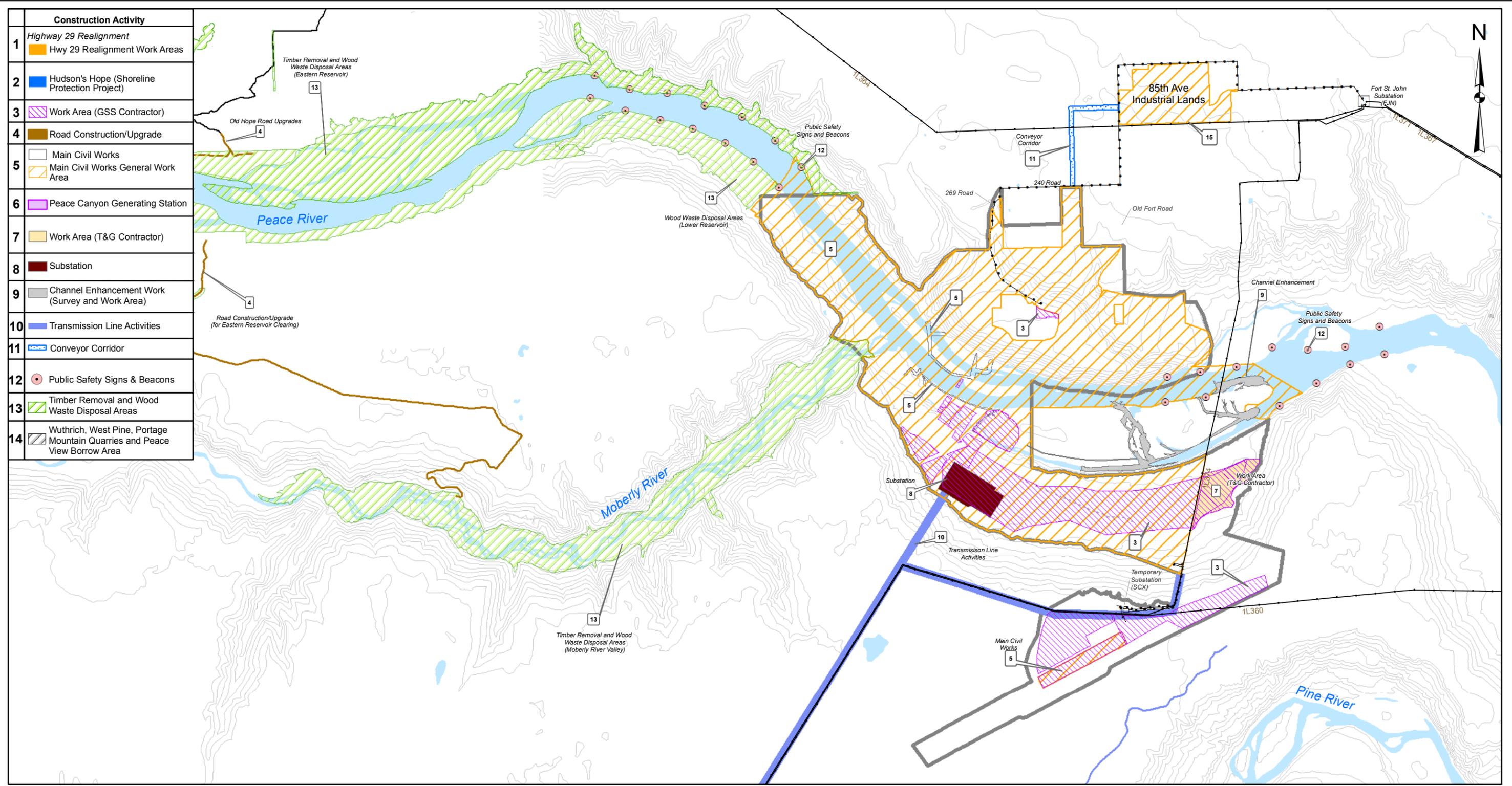
If you have questions, please:

- Visit the project website: sitecproject.com
- Call the toll-free project line: 1-877-217-0777
- Email the project team: sitec@bchydro.com
- Send an enquiry or feedback online at: <https://www.sitecproject.com/contact-us#enquiry>

Kindest regards,



Ken McKenzie



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.

The construction activities presented in this map are indicative only and may change as a result of procurement and project planning advancements.

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BC Hydro

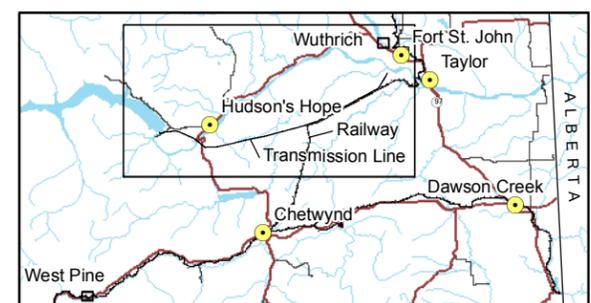
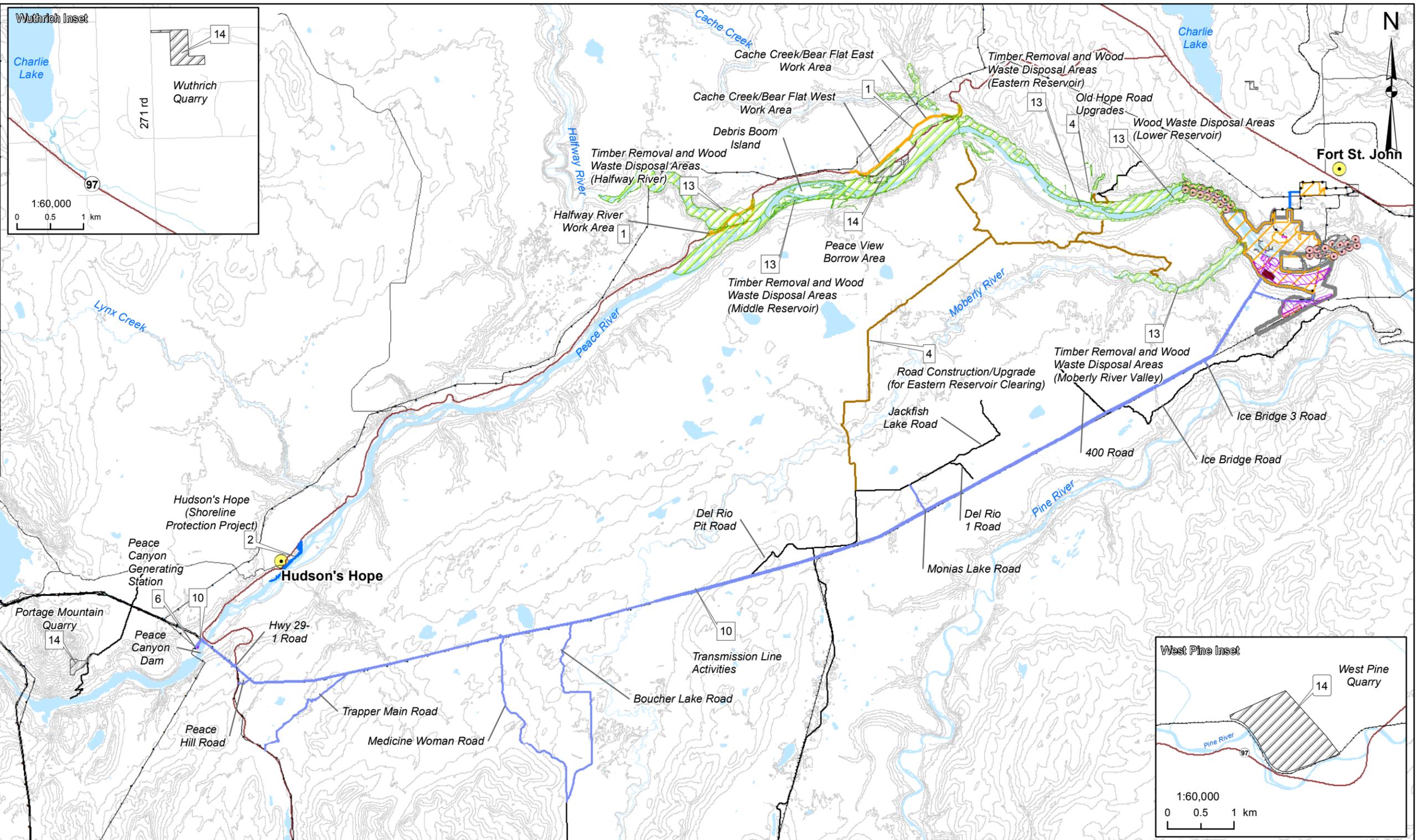
**Construction Activities
April - June 2019**

Date	Mar 6, 2019	DWG NO	1016-N11-00387-2	R 0
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Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.

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Construction Activity	
1	Highway 29 Realignment Hwy 29 Realignment Work Areas
2	Hudson's Hope (Shoreline Protection Project)
3	Work Area (GSS Contractor)
4	Road Construction/Upgrade
5	Main Civil Works Main Civil Works General Work Area
6	Peace Canyon Generating Station
7	Work Area (T&G Contractor)
8	Substation
9	Channel Enhancement Work (Survey and Work Area)
10	Transmission Line Activities
11	Conveyor Corridor
12	Public Safety Signs & Beacons
13	Timber Removal and Wood Waste Disposal Areas
14	Wuthrich, West Pine, Portage Mountain Quarries and Peace View Borrow Area



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BC Hydro

**Construction Activities
April - June 2019**

Date	Mar 6, 2019	DWG NO	1016-N11-00387-1	R 0
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