

Ken McKenzie  
Executive Vice President  
Site C Clean Energy Project  
P.O. Box 49260  
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June 2, 2020

**Re: Notice of Site C Construction Activities: July - September 2020**

As part of our engagement with local communities, we provide regular updates and information on construction activities. This letter describes the work planned from July 1 to September 30, 2020.

**COVID-19 update**

Over the past three months, we have made changes on the Site C project in response to the COVID-19 pandemic. At BC Hydro, safety is our top priority.

Working closely with health officials, local communities, contractors and unions, we quickly scaled down the project early on to focus only on essential work and critical milestones, such as river diversion. We de-densified the work site and reduced the number of people staying at camp by approximately 50 per cent. We also implemented strict physical distancing measures throughout the project.

In mid-May, we followed health authority guidance to safely begin increasing construction activities at the Site C dam site in a phased approach. We will continue to work with Northern Health to ensure ongoing adherence to these health and safety measures while gradually increasing the number of workers on site through the spring and summer.

You can find out more about our COVID-19 measures [here](#).

**For the upcoming period, construction at Site C will focus on:**

- Preparation for [river closure](#) in June and diversion of a short section of the Peace River in fall 2020
- Progression of earthworks at the dam site and commissioning of the two diversion tunnels
- Installation of debris booms across the Peace and Moberly rivers
- Construction of the Site C substation
- Construction of the powerhouse and spillway
- Transmission line construction including road construction and maintenance, site preparation, foundation installation, tower assembly and installation, and conductor stringing
- [Highway 29 realignment](#) at Cache Creek West, Cache Creek East, Halfway River, Lynx Creek, Dry Creek and Farrell Creek
- Portage Mountain Quarry operations, including improvements and maintenance of access roads and stockpile areas

- Clearing, road maintenance and road construction in areas of the future reservoir. The mouth of the Halfway River will be closed to boaters from September 1, 2020 to April 30, 2021.
- Habitat construction and installation
- Possible start of construction of a shoreline protection berm in Hudson's Hope
- On-call archaeological studies, as required

For all activities described in this letter, the [necessary approvals](#) will have been obtained before work begins. Geotechnical site investigations, air quality monitoring, heritage and other field studies are ongoing. We will continue to provide [annual field study notices](#) of these activities.

For the safety of the public and workers, please use caution when hunting, shooting, or setting traps in the Site C project area.

### Dam site

- **Access roads:** Crews will continue to maintain dam site access roads and existing south bank resource roads, including petroleum development roads. Site security gate enhancements will occur.
- **Main civil works:** Construction activities will continue. This includes:
  - Excavation and material relocation on the north and south banks for the dam core trench and foundations
  - Construction of the south bank drainage tunnel
  - Commissioning of the diversion tunnels and diversion intake structures including gate guides
  - In-river work and dredging
  - Concrete batching
  - Riprap placement
  - Construction of the temporary upstream fishway and commissioning
  - Temporary debris boom anchor installation and access road construction
  - Installation of debris booms on the Peace and Moberly Rivers
  - Construction of the roller compacted concrete buttress on the south bank
  - Earthfill dam preparation and other civil works
  - Rail delivery of rip rap to site
  - Construction of the stage 2 cofferdams across the Peace River
  - Removal of the inlet and outlet cofferdams to the diversion tunnels
- **Generating station and spillways (GSS):**
  - Concrete will continue to be placed for the powerhouse intake areas
  - Installation of powerhouse units 1, 2, and 3 superstructures will continue
  - Powerhouse bridge crane commissioning will start
  - Sections of the steel penstocks will continue to be delivered to site, where they will be assembled and encased in concrete on the intakes
  - Installation of penstock sections at units 1, 2, 3, 5 and 6 will continue
  - Penstock encasement concrete will start
  - Construction of spillway stilling basin slab will continue
  - Transition block and spillway headwork construction will start
- **Turbines and generators:** The turbines and generators contractor will continue with deliveries to Areas 24 and 27.

- **Site C substation:** The substation contractor will complete the substation construction work. BC Hydro will continue testing and commissioning the substation.
- **Transmission line:** The transmission line contractor will construct 138 kilovolt transmission lines connecting the Site C substation to the existing 138 kilovolt lines supplying Fort St John and Taylor.

## Public roads and highways

- **Highway 29**
  - **Cache Creek West:** The contractor will continue work at Cache Creek West, including paving.
  - **Cache Creek East:** Construction of the embankment will be completed, and construction of the highway realignment and bridge will begin.
  - **Lynx Creek:** Construction of the embankment at Lynx Creek East will be completed. Construction of the highway realignment and new bridge will begin. This work may include clearing and waste wood removal.
  - **Halfway River:** Construction will continue on the highway realignment and bridge. A new distribution line will be constructed west of Halfway River.
  - **Farrell Creek:** The contractor will mobilize to the site and begin work on the highway realignment and bridge. This work may include clearing and waste wood removal.
  - **Dry Creek:** Construction will begin on the highway realignment and a new bridge. This work may include clearing and waste wood removal.

## Peace River/reservoir

- **Charlie Lake outfall:** Weighting and armouring of the Charlie Lake outfall system may begin.
- **River closure:** A short section of the Peace River is closed at the dam site as we begin in-river works and place debris management systems across the Peace and Moberly rivers. A [portage program](#) will be available from June 15 to September 15 every year to move non-motorized boats around the area.
- **In-river debris management systems:** Debris management structures will be installed on the Peace River approximately two kilometres upstream of the dam site. A debris boom will be installed at the mouth of the Moberly River, in addition to the debris piles that are currently in place.
- **Fish habitat enhancement project:** Surveying work may take place at the downstream fish habitat enhancements.
- **Wildlife habitat structure program:** Construction and installation of snake hibernacula and eagle nest platforms are planned, assuming suitably dry soil conditions. Monitoring of bat boxes will continue. Unoccupied eagles' nests may be removed, in advance of river diversion.
- **Archaeology:** On-call archaeological studies, as required, anywhere on the project.
- **Reservoir clearing**
  - Clearing activities and road construction will occur in the following areas:

- Halfway River drainage: The mouth of the Halfway river will be closed for clearing, from September 1, 2020 to April 30, 2021.
- The north and south banks of the Peace River, from Halfway River to Farrell Creek.
- South bank of the eastern reservoir.
- Middle reservoir between Cache Creek and Halfway River.
- Merchantable trees will be transported to local mills.
- Waste wood management will not occur during this time, other than hauling of waste wood that has been ground into mulch.
- Road maintenance may occur on existing roads in the reservoir area.

### Hudson's Hope shoreline protection

Construction may begin on the Hudson's Hope shoreline protection berm.

### Transmission works

- **Access road maintenance:** Road maintenance on access roads will occur, to provide safe access to the transmission line right-of-way.
- **Transmission line construction:** Site preparation will occur at foundation sites and foundations will be installed. Towers are being assembled and installed on foundations. Conductor will be strung. Helicopters will be used.
- **Transmission line construction:** Two new 138kV transmission lines will be connected to the Site C substation at the dam site.

### Production and transport of materials

- **West Pine Quarry:** Riprap will be produced and hauled from West Pine Quarry along Highway 29 for highway construction.
- **Portage Mountain Quarry:** Operations will continue at Portage Mountain Quarry. This includes blasting, hauling, processing and stockpiling of riprap. Access roads will continue to be maintained. Riprap and other quarry materials will be hauled to a stockpile area on the corner of 400 Road and Canyon Drive, as well as construction sites at Cache Creek, Dry Creek, Halfway River, Farrell Creek and Lynx Creek.
- **85th Avenue Industrial Lands:** Work will continue at the Industrial Lands. This includes the preparation of offices, a parking lot, and laydown/stockpile areas.
- **Conveyor belt system:** Final commissioning of the conveyor system will occur. The conveyor will bring till material to the cofferdams and main dam.

### Environmental Assessment Certificate

Environmental Assessment Certificate #E14-02 (EAC) for the project consists of Schedule A, the project description, and Schedule B, the conditions under which the project must be constructed and operated. If BC Hydro wishes to make a change to either Schedule A or Schedule B of the EAC, we are required to submit a written request to the Environmental Assessment Office, which then consults with regulatory agencies, Indigenous groups and/or the public on the request and issues a written decision.

To date, we have requested and been granted six amendments to the EAC. These are:

- Amendment 1 – regarding design changes to the generating station and spillway.
- Amendment 2 – regarding design changes to the Halfway River Bridge within the Halfway River Highway 29 realignment.

- Amendment 3 – regarding the use of West Pine Quarry, in addition to the already approved Portage Mountain Quarry, as a source of quarry and excavated material for the construction of the Highway 29 realignment, Hudson’s Hope shoreline protection, and areas along the reservoir requiring protection during reservoir filling.
- Amendment 4 – regarding the selective use of mechanical clearing in riparian zones during reservoir clearing when it is unsafe to undertake manual clearing.
- Amendment 5 – regarding a change in the alignment of Highway 29 at Cache Creek.
- Amendment 6 – regarding the expansion of the worker accommodation camp within the dam site area.

BC Hydro has applied for three additional amendments regarding proposed revisions to the Highway 29 crossing designs at Farrell Creek, Dry Creek and Lynx Creek. Decisions on these amendment requests are anticipated in May 2020.

### **Water Licences and Leaves to Commence Construction/Diversion**

BC Hydro holds Water Licences for the diversion and use of water, the storage of water, and for the temporary and permanent fish passage facilities. During the course of construction, we will apply for a series of Leaves to Commence Construction (LCCs) under the 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 the 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
- Stage 2 cofferdams and river diversion, including debris boom facilities on the Peace and Moberly Rivers
- Water licences for temporary and permanent fish passage facilities
- Construction of the temporary fish passage facility
- Middle reservoir clearing

BC Hydro submitted an LCC application for the construction of Hudson's Hope Berm in March 2020, requesting a decision on the application in July 2020. BC Hydro applied for a Leave to Commence Diversion in May, covering placement of the rockfill berm into the Peace River, diversion of water through the diversion tunnels, and construction of the stage 2 cofferdams. BC Hydro is requesting a decision on this application in June 2020. Due to the scaling back of construction work on the dam site area, BC Hydro's LCC submissions for the turbine and generator works have been postponed until the late spring/summer of 2020.

### 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:

- Concrete lining for the diversion tunnels
- Moberly River pile structure
- Worker accommodation expansion to add 450 beds

### What to expect

During this time period, the following can be expected:

- Permanent navigational restrictions: Boaters will no longer have access to the Moberly River and the Peace River, near the dam site, once debris structures have been installed. Public safety signs and beacons have been installed on both banks of the Peace River, and on both sides of the dam site, to mark the active construction area.
- There will be project-related traffic on public roads leading to the dam site, transmission corridor, reservoir and Highway 29, as we 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. Visit [drivebc.ca](https://drivebc.ca) for the latest traffic updates.
- Noise will occur near the construction areas.
- 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.
- 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](#). 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 [sitec@bchydro.com](mailto:sitec@bchydro.com).

## Learn more

BC Hydro is committed to providing you with information about Site C construction activities and has established several ways that you can learn more about the project.

The [Site C website](#) is the main source of important project information, such as:

- News and information about the project
- Planned construction activities and a general project schedule
- Information about job and business opportunities
- Information for regional and Indigenous communities
- A document library and other information pages, containing:
  - Information sheets
  - Mitigation and monitoring plans
  - Annual reports
  - Permits and authorizations received from regulatory agencies
  - Reports from the environmental assessment, and consultation and engagement activities
  - Project planning and evaluation reports
  - Environment and socio-economic reports
  - Engineering and technical reports
  - Employment statistics
  - Quarterly Progress Reports to the BCUC

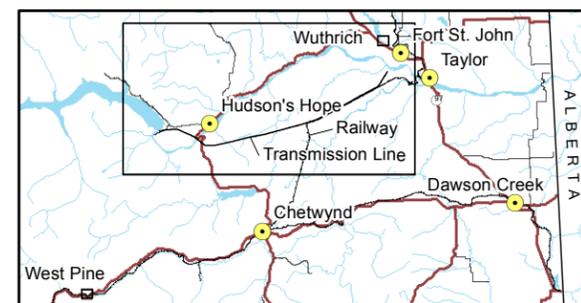
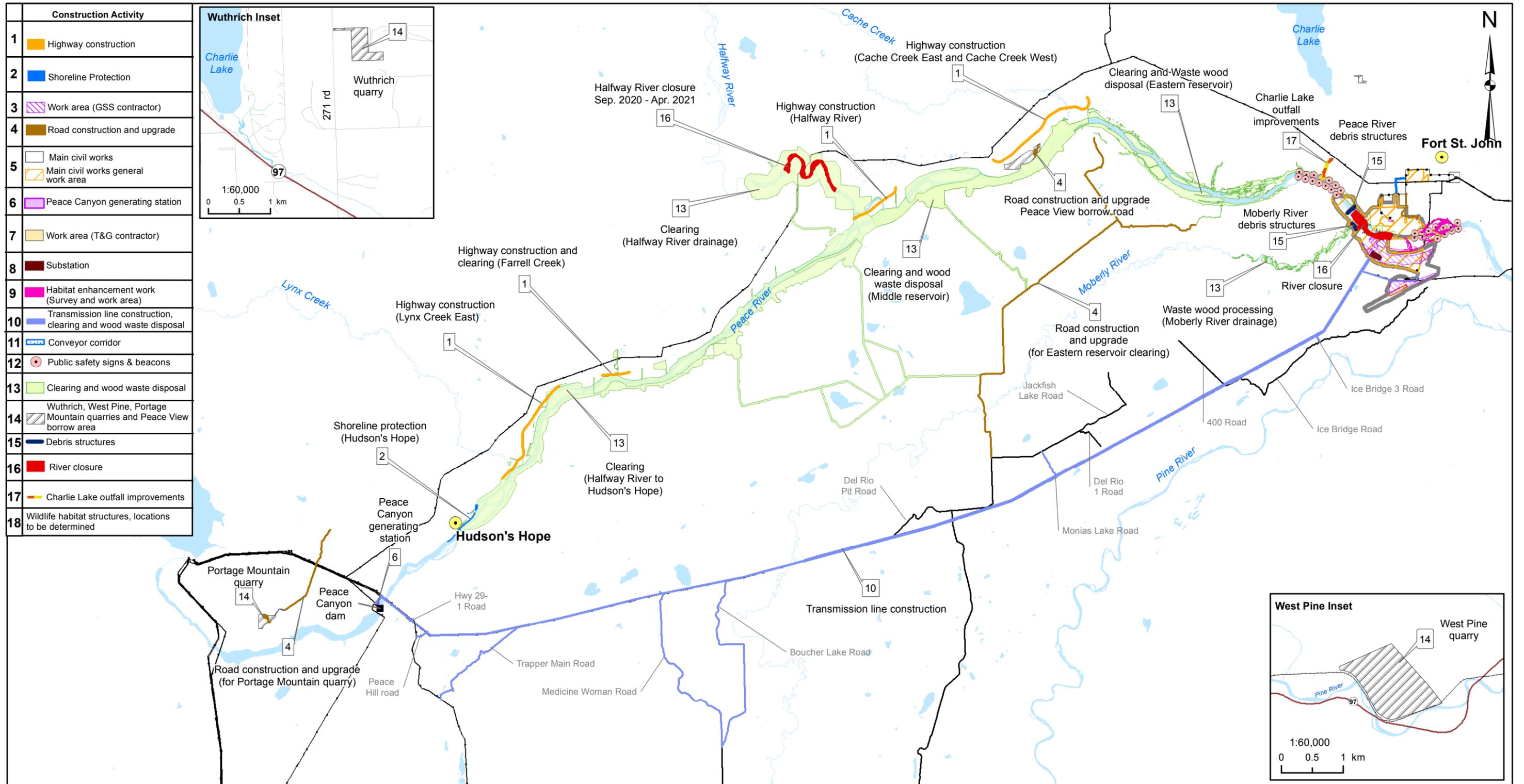
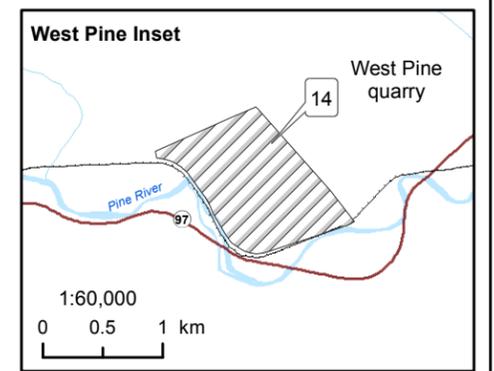
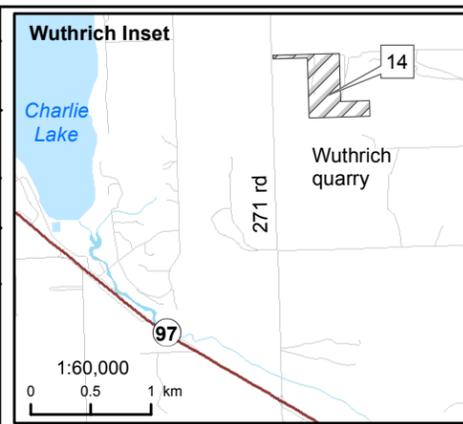
Kindest regards,

A handwritten signature in blue ink, appearing to read "Ken McKenzie", enclosed within a large, loopy oval shape.

Ken McKenzie

Executive Vice President  
Site C Clean Energy Project

Construction Activity	
1	Highway construction
2	Shoreline Protection
3	Work area (GSS contractor)
4	Road construction and 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	Habitat enhancement work (Survey and work area)
10	Transmission line construction, clearing and wood waste disposal
11	Conveyor corridor
12	Public safety signs & beacons
13	Clearing and wood waste disposal
14	Wuthrich, West Pine, Portage Mountain quarries and Peace View borrow area
15	Debris structures
16	River closure
17	Charlie Lake outfall improvements
18	Wildlife habitat structures, locations to be determined



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

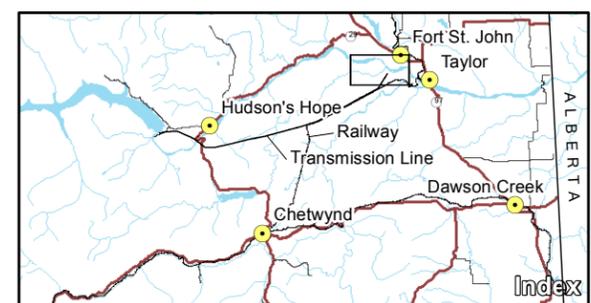
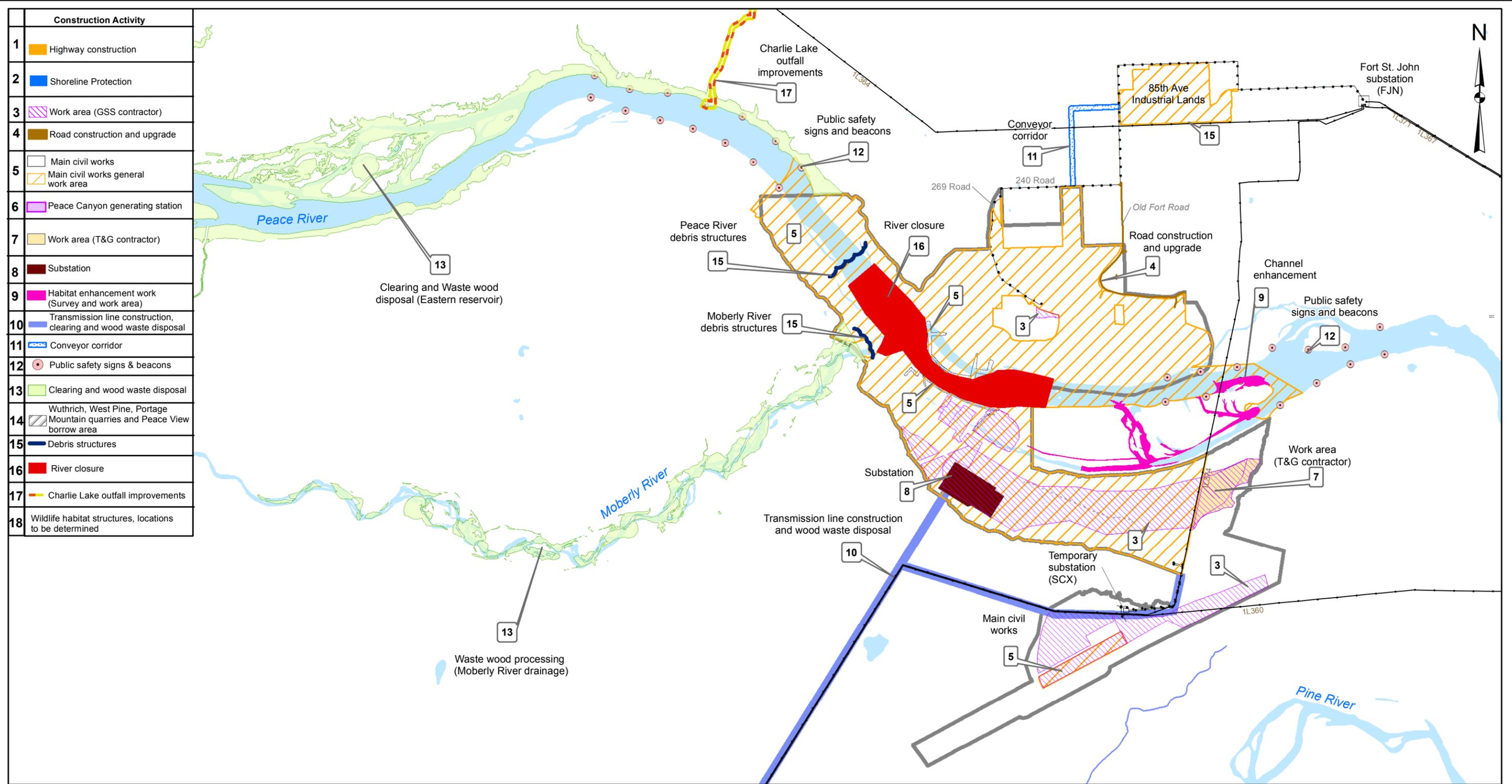
The construction activities presented in this map are indicative only and may change as a result of procurement and project planning advancements.

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<b>Construction Activities July - September 2020</b>			
Date	May 29, 2020	DWG NO	1016-N11-00869-1
			R 0

Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.

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 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  
 July - September 2020**

Date	May, 29, 2020	DWG NO	1016-N11-00869-2	R 0
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