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Site C Clean Energy Project
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March 1, 2022

Re: Notice of Site C Construction Activities: April – June 2022

As part of our engagement with Indigenous groups, we provide regular updates and information on construction activities. This letter describes work planned from April 1 to June 30, 2022.

COVID-19 update

We continue to work closely with health officials, local communities, contractors and unions to monitor and respond to the COVID-19 pandemic. With the support of Northern Health, the project has shifted its rapid testing program to focus on workers showing symptoms. Rapid tests continue to be used for case and contact management to handle possible clusters.

On October 7, 2021, BC Hydro announced a [COVID-19 vaccination policy](#) that requires all employees and contractor workers to be fully vaccinated. As of January 10, 2022, [all workers at site are fully vaccinated](#).

We recognize the pandemic is not over and will continue to remain vigilant in our efforts to keep our workers and the surrounding communities safe. Safety continues to be our top priority. We are committed to safely and responsibly advancing the Site C project, while protecting the workforce and the local community. You can keep up-to-date with our COVID-19 measures [here](#).

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

- Progression of earthworks at the dam site.
- Construction of the powerhouse and spillways.
- Installation of steel piles as part of the right bank foundation enhancement work.
- Construction of approach channel to start.
- Transmission line site maintenance and reclamation.
- Highway 29 realignments at Cache Creek, Halfway River, Farrell Creek East, Farrell Creek, Dry Creek and Lynx Creek.
- Clearing, road maintenance, road construction and debris burning in areas of the future reservoir.
- Construction of a 2.6-kilometre shoreline protection berm in Hudson's Hope.
- Construction of boat launches at Lynx Creek and Halfway River, including double-wide boat ramp, parking lot, day-use area and access roads.
- Processing, stockpiling and loading of rock at Portage Mountain Quarry, which will be hauled to various Highway 29 construction sites and the Hudson's Hope berm.
- On-call archaeological studies, as required.

- Clearing and road construction activities to access aggregate sources on the south bank (Area E and Area 24).
- Vegetation clearing for the construction of access roads on the north shore of the Peace River, east of the dam site, to support the creation of fish habitat, including some in-river excavation.

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 Site C project areas.

Dam site

- **Access roads:**
 - Crews will continue to maintain dam site access roads and existing south bank resource roads, including petroleum development roads.
- **Headpond:**
 - The Peace River was diverted in September 2020. During the river diversion phase, water accumulates behind the upstream cofferdam in what is called a headpond. The headpond begins at the dam site and could extend as far back as 15 kilometres – or approximately up to Cache Creek.
 - This means water levels could rapidly rise in areas upstream of the dam site.
 - The Peace River remains closed both upstream and downstream of the dam site; caution should be exercised at the shoreline.
 - The debris boom on the Peace River will be installed for spring and summer. The debris management structures on the Moberly River capture floating debris and prevent it from impacting construction and diversion tunnel operations.
- **Main civil works:** Construction activities will continue. This includes:
 - Excavation of the approach channel.
 - Relocation of excavated material to disposal areas located on the north and south banks of the river at the dam site area.
 - Construction of the south bank and north bank drainage tunnels.
 - Concrete production.
 - Grouting of the main dam grout curtain and consolidation grouting.
 - Earthfill dam placements and other civil works.
 - Rail delivery of riprap to site.
 - Haul road realignments.
- **Generating station and spillways:**
 - Installation of steel piles as part of the right bank foundation enhancements. The piles extend the foundation further into the bedrock.
 - Concrete will continue to be placed in powerhouse intake areas.

- Sections of the steel penstocks will continue to be delivered to site, where they are assembled, installed and encased in concrete.
- Construction of the spillway stilling basin will continue.
- Transition block and spillway headworks construction will continue.
- **Turbines and generators:**
 - Turbine and generator components will continue be delivered safely to site.
 - Installation of turbines and welding of spiral cases in the powerhouse will continue.

Public roads and highways

- **Highway 29**
 - **Cache Creek East:** Construction of the bridge and highway will continue. This includes the installation of precast concrete deck panels on the steel girders and may include the installation of the cast-in-place concrete bridge deck. Construction of the highway subgrade will continue and may include asphalt paving. The installation of distribution lines may occur.
 - **Halfway River:** Construction will resume and will include the construction of the highway grade on the east and west approaches to the bridge and may include asphalt paving. Construction of an intersection for the future Halfway River boat launch may begin.
 - **Farrell Creek East:** Construction will resume and will include asphalt paving and drainage works.
 - **Farrell Creek:** Construction continues on the bridge, including installation of precast concrete deck panels on the girders and may include the installation of the cast-in-place concrete bridge deck.
 - **Dry Creek:** Construction will resume and will include the construction of the east and west bridge approaches and may include asphalt paving and the installation of distribution lines.
 - **Lynx Creek:** Construction of the highway realignment will continue. The installation of pre-cast concrete deck panels will occur and construction of the cast-in-place concrete bridge deck may occur. A traffic detour at the east end of the work site will be in place until 2022. Periodic traffic stoppages will occur

Peace River/reservoir

- **River closure:** A short section of the Peace River is permanently closed at the dam site as construction is underway on the earthfill dam.
- **In-river debris management systems:** Debris management structures are in place on the Moberly River. The boom on the Peace River will be in place for the spring and summer.
- **Fish habitat enhancement project:** Access road construction and fish habitat enhancement work will occur on the south bank downstream from Peace Canyon dam.

- **Archaeology:** On-call archaeological studies, as required, anywhere on the project.
- **Transmission line relocation:** Access road improvements and foundation construction will occur in the Halfway River region for the rerouting of the existing transmission line that crosses the Halfway River, which will be impacted by the new reservoir.
- **Reservoir clearing**
 - Road construction and logging activities are occurring between Cache Creek and Peace Canyon on the north and south banks of the Peace River and on its islands. Merchantable timber is being hauled to local mills in Chetwynd, Fort St. John and/or Dawson Creek. Burning of waste wood may occur in early spring during approved venting windows and when ground conditions are suitable,
 - Surveys and site investigations may occur within the footprint of the reservoir area.

Hudson's Hope shoreline protection

- Construction continues on the Hudson's Hope shoreline protection berm.
- Riprap and berm filter material from Portage Mountain Quarry will be hauled and stockpiled at the berm site.
- Excavation, processing, stockpiling and placement of berm fill and berm filter material will occur on the berm site.
- The installation of steel and concrete culverts will occur.
- The berm is expected to be complete by summer 2022.

Boat Launches at Lynx Creek and Halfway River

- Construction will occur, including clearing, excavation, and contouring, as well as construction of the parking lot and access roads, and installation of boat ramps.
- The launches are expected to be complete by summer 2023.

Transmission works

- **Access road maintenance:** Road maintenance on access roads will occur, to provide safe access to the transmission line.
- **Reclamation:** Reclamation of construction areas will occur, including levelling and spreading of topsoil and burning of debris.

Production and transport of materials

- **Portage Mountain Quarry:**
 - Access roads will continue to be maintained.
 - Rock will be processed and stockpiled on site and hauled to various locations along Highway 29 and the Hudson's Hope berm.
- **85th Avenue Industrial Lands:** Till materials for the dam may continue to be quarried and stockpiled for transport.
- **Conveyor belt system:** The operation of the conveyor system was paused for the winter and resumes in the spring.

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 seven amendments to the EAC. These are:

- Amendment 1 – regarding design changes to the generating station and spillways.
- 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 accommodations camp within the dam site area.
- Amendment 7 – regarding changes to the designs of Highway 29 crossings at Farrell, Dry and Lynx Creeks.
- Amendment 8 – regarding the use of a borrow source located east of the Halfway River for the construction of reservoir clearing access roads.

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

- Earthfill dam excavation, foundation preparation, fill placement and approach channel foundation preparation and placement
- Generating station civil works and spillways 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
- Middle reservoir clearing
- Western reservoir clearing
- Hudson's Hope berm construction
- Turbines and generators installation
- Balance of plant
- Hydromechanical works and gantry cranes
- Right bank foundation enhancements

BC Hydro also obtained a Leave to Commence Diversion (LCD) in June 2020, covering placement of the rockfill berm into the Peace River, diversion of water through the diversion tunnels, and construction of the stage 2 cofferdams. A separate LCD was also issued in August 2020, authorizing the commissioning of the temporary fish passage facility.

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:

- Improvements to public roads in the vicinity of the dam site area
- Worker accommodation lodge
- Site C public viewpoint
- Fish habitat enhancements downstream of the dam site
- 50 affordable housing units in Fort St. John
- River diversion
- Site C substation
- Two transmission lines connecting Site C to Peace Canyon, and Peace Canyon switchgear upgrades.
- Temporary fish passage facility
- Placement of 1.7 million cubic metres of roller-compacted concrete in the powerhouse, spillways, and dam and core buttresses.

What to expect

During this time period, the following can be expected:

- [Permanent navigational restrictions:](#) Boaters no longer have access to the Moberly River and the Peace River, near the dam site, now that construction is underway on the

earthfill dam. 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 line 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 for the latest traffic updates.
- Noise will occur near the construction areas.
- Noise and vibration will result from works in the quarries. Hauling may occur at night.
- There will be construction occurring around the Peace River at the dam site.
- There may be smoke and lower visibility in areas where wood debris burning is occurring.
- 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.

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. You can view our latest drone video [here](#).

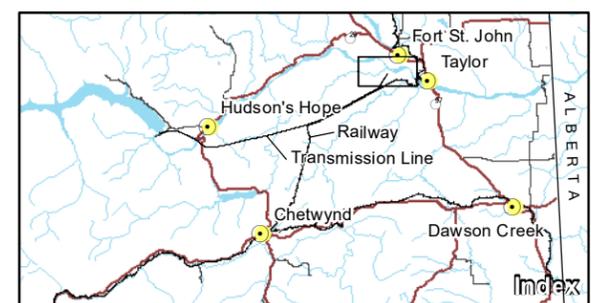
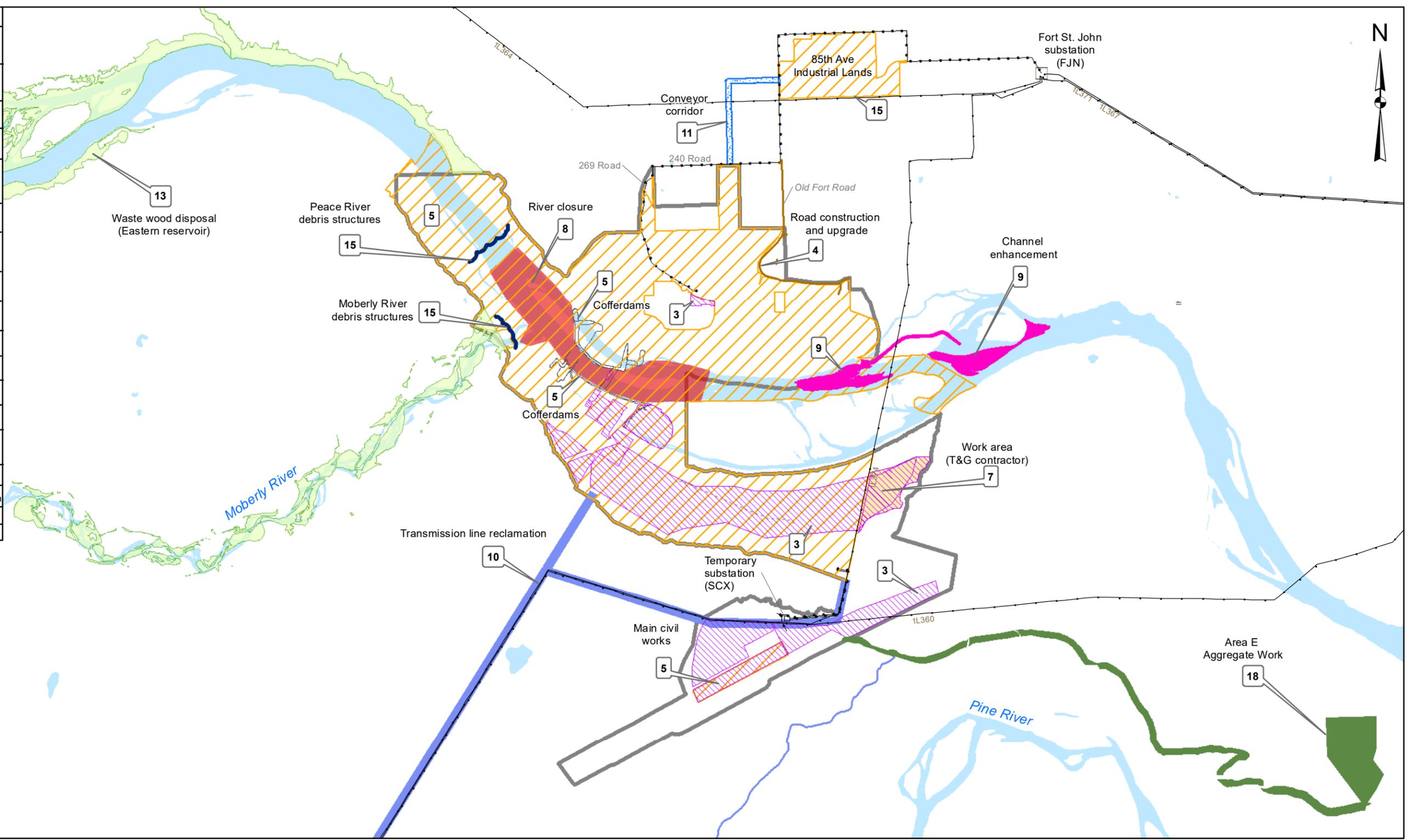
We would be happy to come to your community to discuss the upcoming work in more detail, report on results of field studies and implementation of mitigation plans, and discuss how best to communicate with your community.

Kindest regards,

A handwritten signature in blue ink that reads "Ken McKenzie". The signature is written in a cursive style and is enclosed within a light blue oval outline.

Ken McKenzie

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	River closure
9	Habitat enhancement work (Survey and work area)
10	Transmission line reclamation
11	Conveyor corridor
12	Wildlife habitat structures, locations to be determined
13	Clearing and wood waste disposal
14	Wuthrich, West Pine, Portage Mountain quarries and Peace View borrow area
15	Debris structures
16	1L364 Transmission Line Relocation
17	Boat Launch Construction
18	Area E Aggregate Work



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

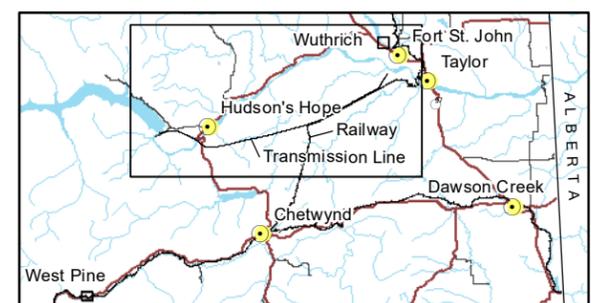
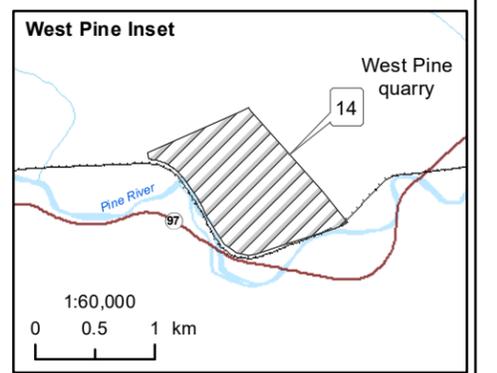
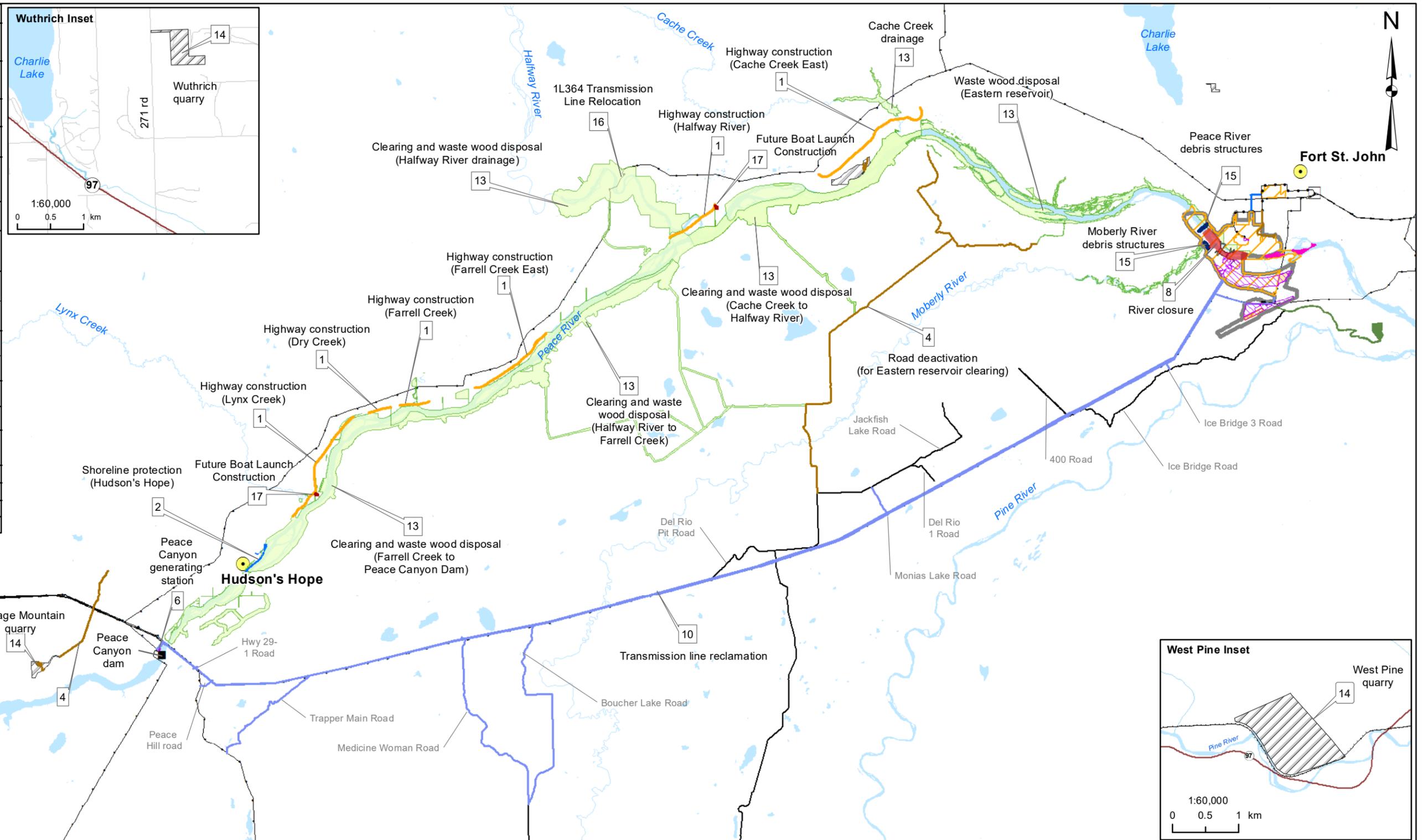
**Construction Activities
January - March 2022**

Date	Feb. 28, 2022	DWG NO	1016-N11-01364-2	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 construction
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13	Clearing and wood waste disposal
14	Wuthrich, West Pine, Portage Mountain quarries and Peace View borrow area
15	Debris structures
16	1L364 Transmission Line Relocation
17	Future Boat Launch Construction
18	Area E Aggregate Work



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
January - March 2022**

Date	Feb. 25, 2022	DWG NO	1016-N11-01364-1	R 0
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