

**IN THE MATTER OF THE *ENVIRONMENTAL ASSESSMENT ACT*
S.B.C. 2018, c.51 [the Act (2018)]**

AND

**IN THE MATTER OF
ENVIRONMENTAL ASSESSMENT CERTIFICATE # E14-02
HELD BY BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

**FOR THE
SITE C CLEAN ENERGY PROJECT**

**AMENDMENT # 8 (AMENDMENT)
TO CERTIFICATE #E14-02**

WHEREAS:

- A. On October 14, 2014, the Minister of Environment, and the Minister of Energy, Mines, Petroleum Resources, issued Environmental Assessment Certificate #E14-02 (Certificate) to British Columbia Hydro and Power Authority.
- B. The Certificate authorized British Columbia Hydro and Power Authority to construct and operate the Site C Clean Energy Project approximately seven kilometres south-west of Fort St. John, British Columbia.
- C. The Executive Director and Associate Deputy Minister of the Environmental Assessment Office issued six amendments under Section 19(1) of the *Environmental Assessment Act*, S.B.C. 2002, c.43 [Act (2002)]:
 - i. On June 22, 2018, the Certificate was amended to modify the design of the generating station and spillway (Amendment # 1).
 - ii. On October 26, 2018, the Certificate was amended to modify the design of the Halfway River bridge (Amendment # 2).
 - iii. On November 14, 2018, the Certificate was amended to allow expanded use of material from the West Pine Quarry for construction (Amendment # 3).
 - iv. On February 12, 2019, the Certificate was amended to allow the use of machines near watercourses in clearing the reservoir area (Amendment # 4).
 - v. On December 13, 2019, the Certificate was amended to change a portion of the realignment of the Cache Creek segment of Highway 29 and the design of the Cache Creek bridge (Amendment # 5).
 - vi. On December 13, 2019, the Certificate was amended to make changes to the worker accommodation camps (Amendment # 6).

- D. On May 27, 2020, the Certificate was amended under Section 32(1) of the Act (2018) to modify the design of the Highway 29 realignment crossings of Farrell Creek, Dry Creek and Lynx Creek (Amendment # 7).
- E. On August 1, 2020, British Columbia Hydro and Power Authority applied under Section 32(1) of the Act (2018) to amend the Certificate to develop and use the Halfway River East Borrow Source (Amendment # 8).

NOW THEREFORE,

I amend the Certificate as follows:

1. "Table 4.7" of Schedule A (Project Description) is repealed and replaced with "Table 4.7-A" in Appendix A of this Amendment to reflect the addition of the column, "Halfway River East Borrow Source".
2. Section 4.3.5.2 of Schedule A (Project Description) is amended to add a new section: Section 4.3.5.2.9 entitled Halfway River Borrow Source with the following description:
 - BC Hydro-owned property located 100 metres east of the Halfway River (Figure 4.11-A) has been identified as a source of gravel material for the construction of reservoir access roads on the north bank of the Peace River and in the Halfway River drainage. The Halfway River East Borrow Source would provide up to 100,000 cubic metres (m³) of material for the reservoir access roads.
3. "Figure 4.11" in Schedule A (Project Description) is repealed and replaced with "Figure 4.11 Rev 1" in Appendix A of this Amendment.
4. Figure 4.11-A, a detailed map of the Halfway River East Borrow Source, is added to Schedule A as shown in Appendix A of this Amendment.



Scott Bailey
Assistant Deputy Minister, Environmental Assessment Operations
Environmental Assessment Office

Issued this 24 day of November 2020

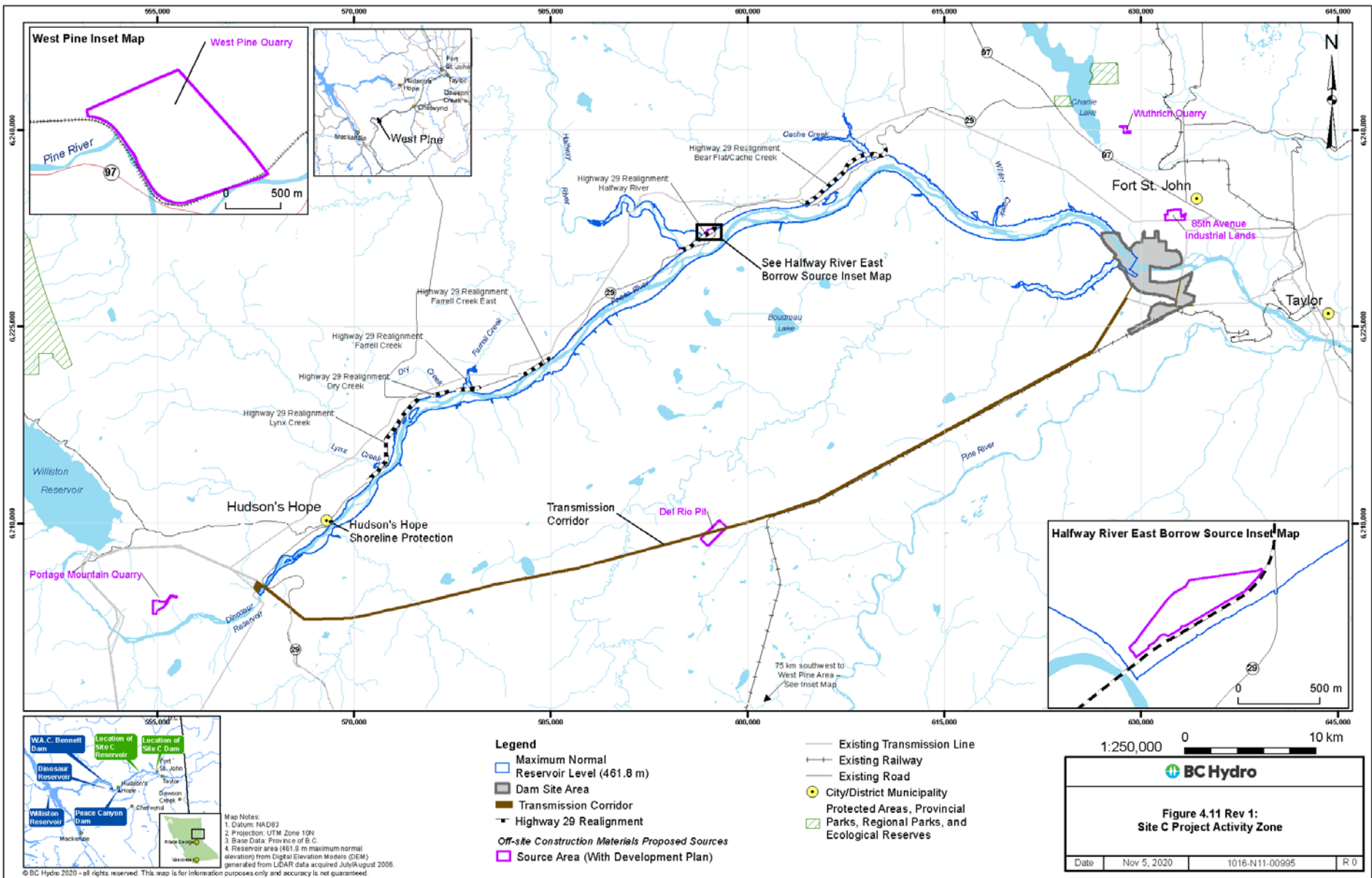
Appendix A: Table 4.1-A Approximate Quantities of Materials for Highway 29, Access Roads, and Hudson's Hope Shoreline Protection

Material Description		Volume Placed (1,000 Compacted m ³)							
		Portage Mountain Quarry	Inundated Areas Along Reservoir	Road Alignment Excavation	Dam Site Area	Del Rio Pit	Commercial Pits	Halfway River East Borrow Source	Total
North bank – Highway 29 realignment, access roads and reservoir shoreline protection during filling	Riprap and bedding	447	N/A	N/A	N/A		N/A	N/A	447
	Granular aggregates (processed)	N/A	484	N/A	N/A	N/A		N/A	484
	Fill and borrow	N/A	9,381	830	N/A	N/A	7	100	10,318
	Concrete aggregates	N/A	N/A	N/A	N/A	N/A	12	N/A	12
South bank – access roads	Riprap and bedding	2	N/A	N/A	N/A	N/A	N/A	N/A	2
	Granular aggregates (processed)	N/A	N/A	N/A	N/A	50	464	N/A	514
	Fill and borrow	N/A	N/A	301	118	200	77	N/A	697
	Concrete aggregates	N/A	N/A	N/A	N/A	N/A	16	N/A	16
Hudson's Hope shoreline protection	Riprap and bedding	172	N/A	N/A	N/A	N/A	N/A	N/A	172
	Granular aggregates (processed)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Fill and borrow	N/A	N/A	306	N/A	N/A	N/A	N/A	306
Total		621	9,381	1,437	118	250	1,060	100	12,968

NOTE:

N/A – not applicable

Appendix A: Figure 4.11 Rev 1: Site C Project Activity Zone



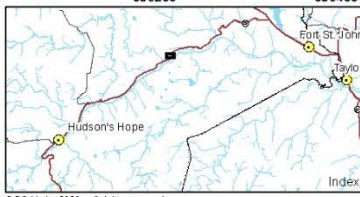
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BC Hydro

**Figure 4.11 Rev 1:
Site C Project Activity Zone**

Date	Nov 5, 2020	1016-N11-00995	R 0
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Appendix A: Figure 4.11-A: Halfway River East Borrow Source



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Imagery: Sep. 2019 Orthophotos.
 5. Reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2008.

- Legend**
- Halfway River East Borrow Source
 - Maximum Normal Reservoir Level (461.8 m)
 - Highway 29 Realignment
 - Existing Highway

1:5,000
 0 200 m

**Figure 4.11-A:
Halfway River East Borrow Source**

Date	Nov 5, 2020	DWG NO	1016-N11-00881-2
			R 1

File: X:\GIS\BorrowSources\BorrowSources.mxd
 Date: 2020/11/05 10:52:51 AM
 User: jhughes
 Project: Halfway River East Borrow Source
 Scale: 1:5000
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