

Muskrat Falls Corporation

Corporate Office

500 Columbus Drive
P. O. Box 15000, Stn. A
St. John's, NL Canada A1B 0M4

Lower Churchill Project Operations Office

350 Torbay Road, Suite 2
St. John's, NL Canada A1A 4E1

24-Jul-2018

Water Resources Management Division
Department of Municipal Affairs and Environment
P.O. Box 8700
St. John's, NL A1B 4J6

Attention: Mr. Haseen Khan – Director – Water Resources Management Division

Subject: Amendment Request for Permit to Alter a Body of Water ALT6933-2013 –
Muskrat Falls Generation Site

Mr. Khan,

The Lower Churchill Project (LCP) is requesting an amendment to Permit to Alter a Body of Water ALT6933-2013 at the Muskrat Falls Generation Site to augment fish habitat compensation works and cover a wetland complex in the future reservoir area. The original permit was issued on 10-Jul-2013, and a series of amendments have been granted over the last five years.

LCP is proposing to cover approximately 28 hectares of wetland within the future Muskrat Falls reservoir area near Edwards Brook Camp and will act as an expansion to the fish habitat compensation works. Capping work will include covering the wetland areas with a +/- 500 mm thick cap of non-organic material. Corduroy and/or geotextile may be utilized in areas of low ground bearing capacity to facilitate the work. Articulated rock trucks and/or tandem-tandem dump trucks will haul the material from near by sources and excavators and/or dozers will place the material. The work is planned for completion by December 1, 2018. Please find attached a map of the proposed locations.

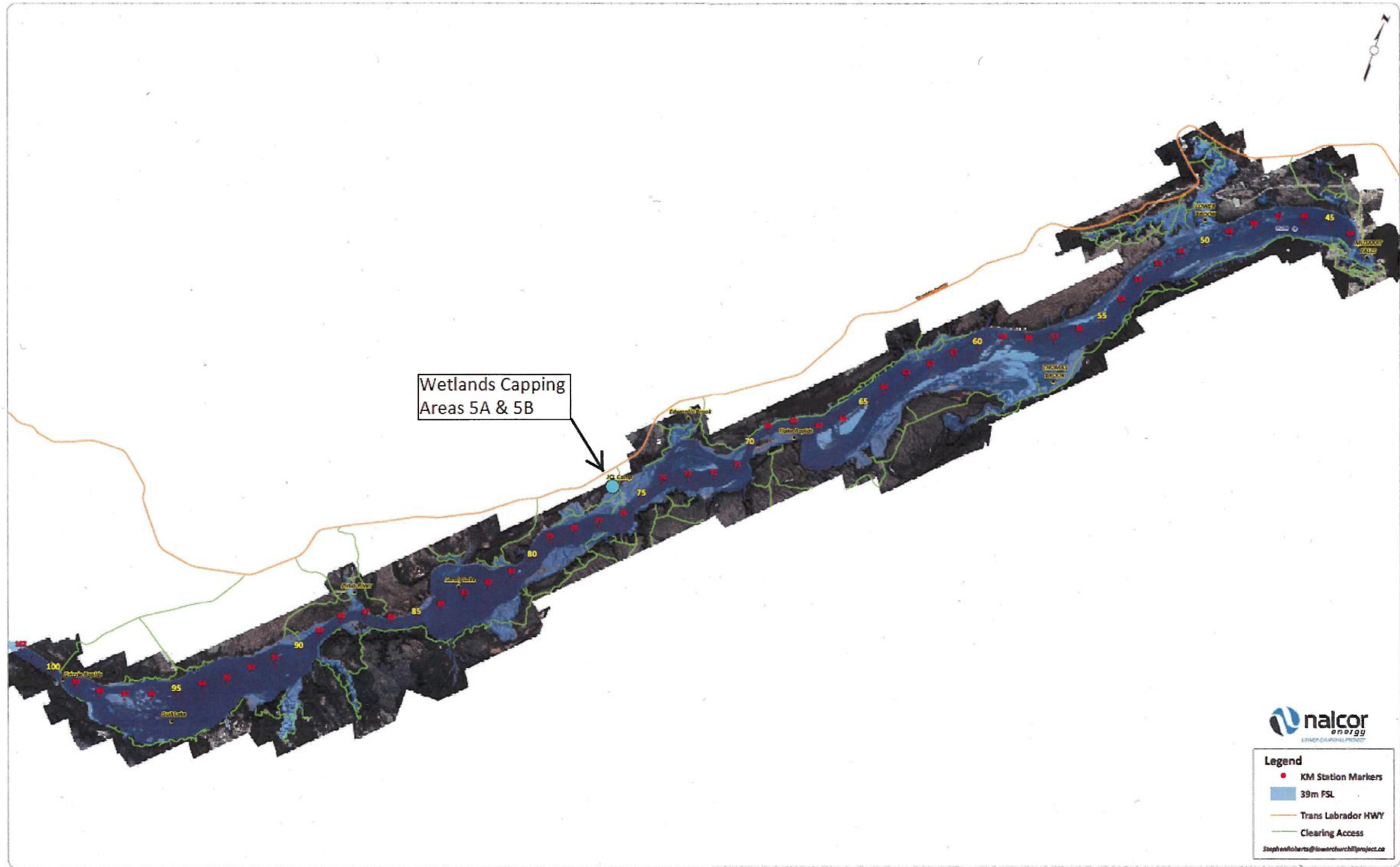
If you have any questions or clarifications do not hesitate to contact me at 709-737- 4972 or PeterMadden@lowerchurchillproject.ca.

Sincerely,



Peter Madden
Regulatory Compliance Lead
Lower Churchill Project, Nalcor Energy

cc. Mr. Martin Goebel, Senior Advisor on Methlymercury



Legend

- KM Station Markers
- 39m FSL
- Trans Labrador HWY
- Clearing Access

Steph.malloch@iswairchurchillproject.ca

***** DATUM REFERENCE: ALL ELEVATIONS ARE IN METRES REFERENCED TO GEODETIC. COORDINATE REFERENCE: UTM 6° (UNIVERSAL TRANSVERSE MERCATOR) PROJECTION, NAD83, ZONE __ CENTRAL MERIDIAN 63° 00' W LONGITUDE. *****

ISSUE	REV.	DATE	DISTRIBUTION & STATUS	No.	DATE	REVISION	MOD.	VER.	APP.
			No.	REFERENCE DRAWING					
			No.	REVISION REGISTER					

REVIEW CLASS: _____ FOR INTERNAL USE ONLY *****
EQUIPMENT TAG NUMBER: _____

REVIEW DOES NOT CONSTITUTE APPROVAL OF DESIGN DETAILS, CALCULATIONS, TEST METHODS OR MATERIAL DEVELOPED AND/OR SELECTED BY THE CONTRACTOR, NOR DOES IT RELIEVE THE CONTRACTOR FROM FULL COMPLIANCE WITH CONTRACTUAL OR OTHER OBLIGATIONS.

1. REVIEWED AND ACCEPTED - NO COMMENTS
 2. REVIEWED - INCORPORATE COMMENTS, REVISE & RESUBMIT
 3. REVIEWED - NOT ACCEPTED
 4. INFORMATION ONLY
 5. NOT REVIEWED

DATE (dd-mm-yyyy): **16-Jul-2018**

PROJECT MANAGER: _____

PROFESSIONAL STAMP

INSERT CONTRACTOR/SUPPLIER LOGO IN THIS SPACE	
DESIGNED K. Duff	APPROVED (Discipline Lead Engineer)
DRAWN K. Sparkes	APPROVED (Engineering Manager)
DATE 13-Jul-2018	SCALE
SUPPLIER DOC No.	NE DOC No.

CLIENT: **nalcor energy**

PROJECT: **LOWER CHURCHILL PROJECT**

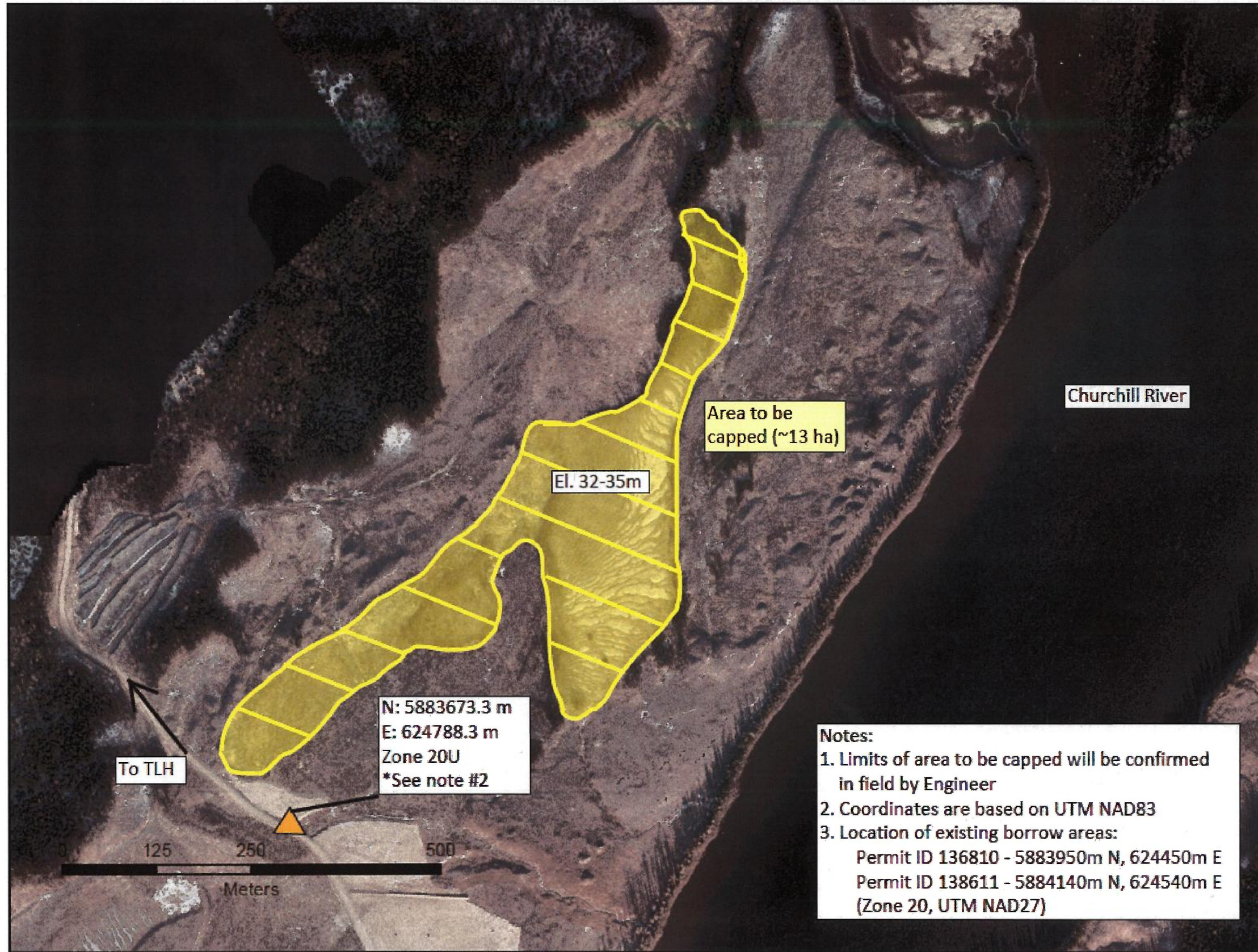
TITLE: **Churchill River Chainage Location Map**

DATE: **13-Jul-2018**

SCALE: _____

SUPPLIER DOC No. _____ NE DOC No. _____

MFA-PT-ED-9112-EV-MP-0001-01

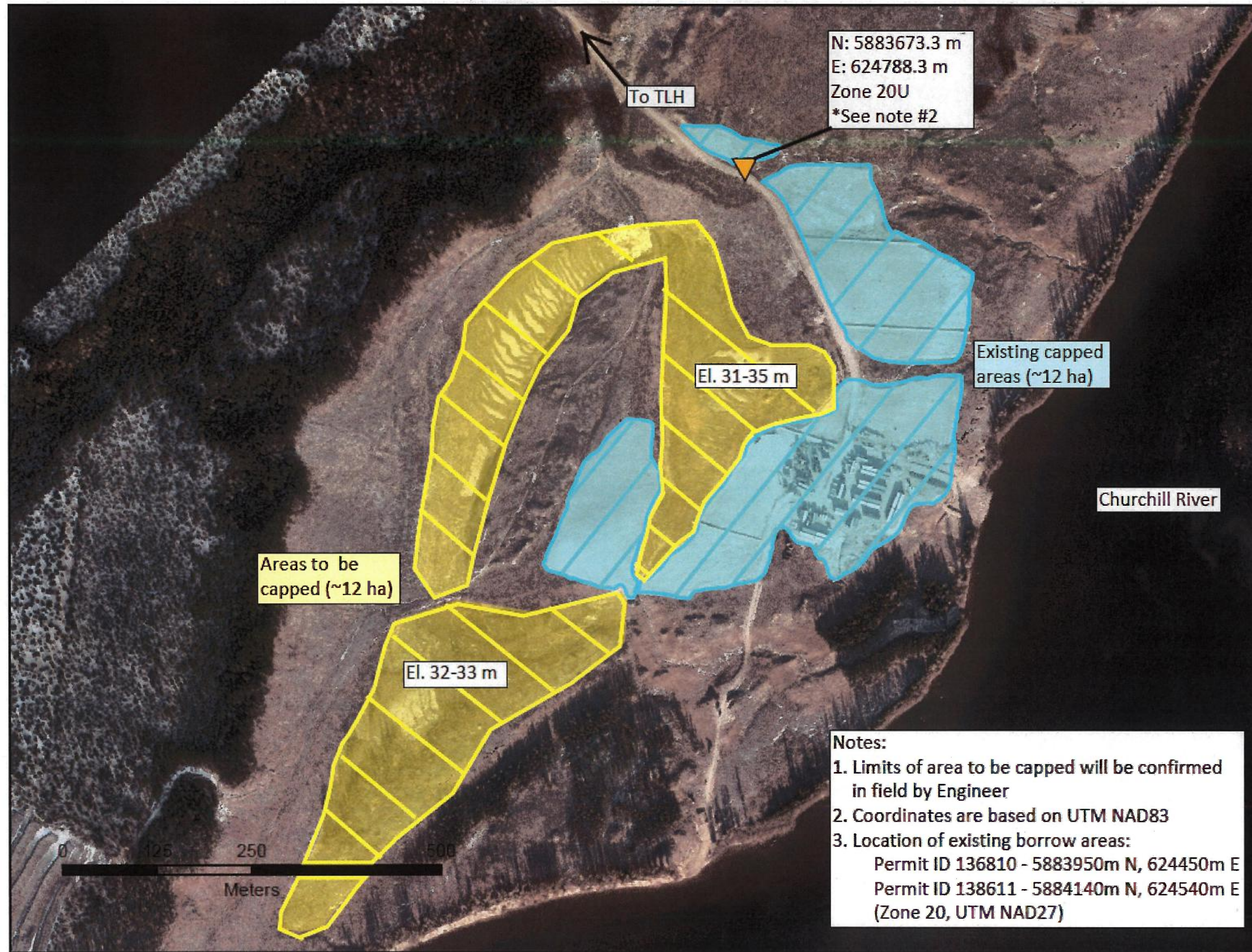


Notes:

1. Limits of area to be capped will be confirmed in field by Engineer
2. Coordinates are based on UTM NAD83
3. Location of existing borrow areas:
 Permit ID 136810 - 5883950m N, 624450m E
 Permit ID 138611 - 5884140m N, 624540m E
 (Zone 20, UTM NAD27)

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										REVIEW CLASS: <input type="checkbox"/> FOR INTERNAL USE ONLY EQUIPMENT TAG NUMBER:		PROFESSIONAL STAMP		CLIENT:					
										REVIEW DOES NOT CONSTITUTE APPROVAL OF DESIGN DETAILS, CALCULATIONS, TEST METHODS OR MATERIAL DEVELOPED AND/OR SELECTED BY THE CONTRACTOR, NOR DOES IT RELIEVE THE CONTRACTOR FROM FULL COMPLIANCE WITH CONTRACTUAL OR OTHER OBLIGATIONS.		INSERT CONTRACTOR/SUPPLIER LOGO IN THIS SPACE		PROJECT: LOWER CHURCHILL PROJECT					
										<input type="checkbox"/> 1. REVIEWED AND ACCEPTED - NO COMMENTS <input type="checkbox"/> 2. REVIEWED - INCORPORATE COMMENTS, REVISE & RESUBMIT <input type="checkbox"/> 3. REVIEWED - NOT ACCEPTED <input type="checkbox"/> 4. INFORMATION ONLY <input type="checkbox"/> 5. NOT REVIEWED		DESIGNED: K. Duff APPROVED (Discipline Lead Engineer)		TITLE: Wetland Capping Site #5B Plan & Details					
										LEAD ENGINEER:		DRAWN: K. Duff APPROVED (Engineering Manager)		DATE: 13-Jul-2018 SCALE:					
										PROJECT MANAGER:		SUPPLIER DOC No.		NE DOC No. MFA-PT-ED-9112-EV-PL-0002-01					
ISSUE REGISTER										REVISION REGISTER									



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ISSUE REGISTER				REFERENCE DRAWING				REVISION REGISTER				REVIEW CLASS: FOR INTERNAL USE ONLY EQUIPMENT TAG NUMBER: REVIEW DOES NOT CONSTITUTE APPROVAL OF DESIGN DETAILS, CALCULATIONS, TEST METHODS OR MATERIAL DEVELOPED AND/OR SELECTED BY THE CONTRACTOR, NOR DOES IT RELIEVE THE CONTRACTOR FROM FULL COMPLIANCE WITH CONTRACTUAL OR OTHER OBLIGATIONS. <input type="checkbox"/> 1. REVIEWED AND ACCEPTED - NO COMMENTS <input type="checkbox"/> 2. REVIEWED - INCORPORATE COMMENTS, REVISE & RESUBMIT <input type="checkbox"/> 3. REVIEWED - NOT ACCEPTED <input type="checkbox"/> 4. INFORMATION ONLY <input type="checkbox"/> 5. NOT REVIEWED LEAD: <i>[Signature]</i> DATE: 16-Jul-2018 PROJECT MANAGER:		PROFESSIONAL STAMP INSERT CONTRACTOR/SUPPLIER LOGO IN THIS SPACE		CLIENT: nalcor energy PROJECT: LOWER CHURCHILL PROJECT TITLE: Wetland Capping Site #5A Plan & Details DATE: 13-Jul-2018 SCALE: SUPPLIER DOC No.: NE DOC No.: MFA-PT-ED-9112-EV-PL-0001-01	
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