

DATA SOURCE:  
Manitoba Hydro

DATE CREATED:  
16 MAY 2011

CREATED BY:  
HPP - GIS & Special Studies

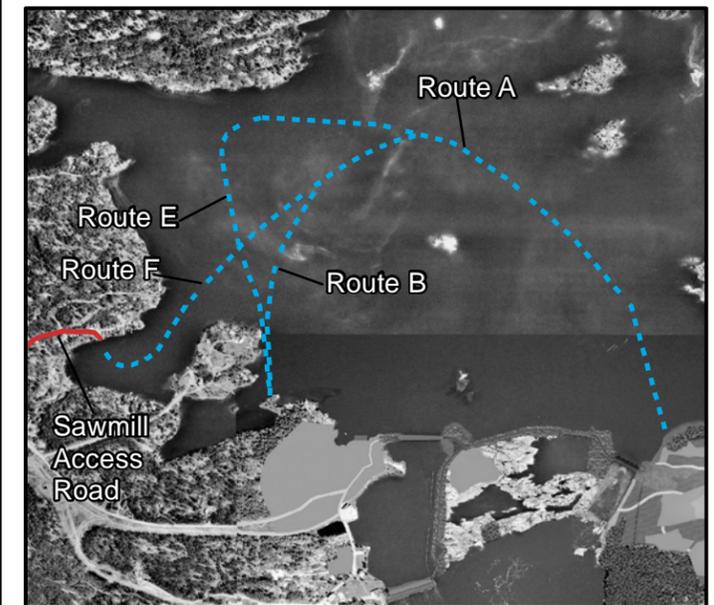
REVISION NO:  
VERSION: 1.0

REVISION DATE:  
31 MAY 2011

QA/QC:  
RHP, MWZ



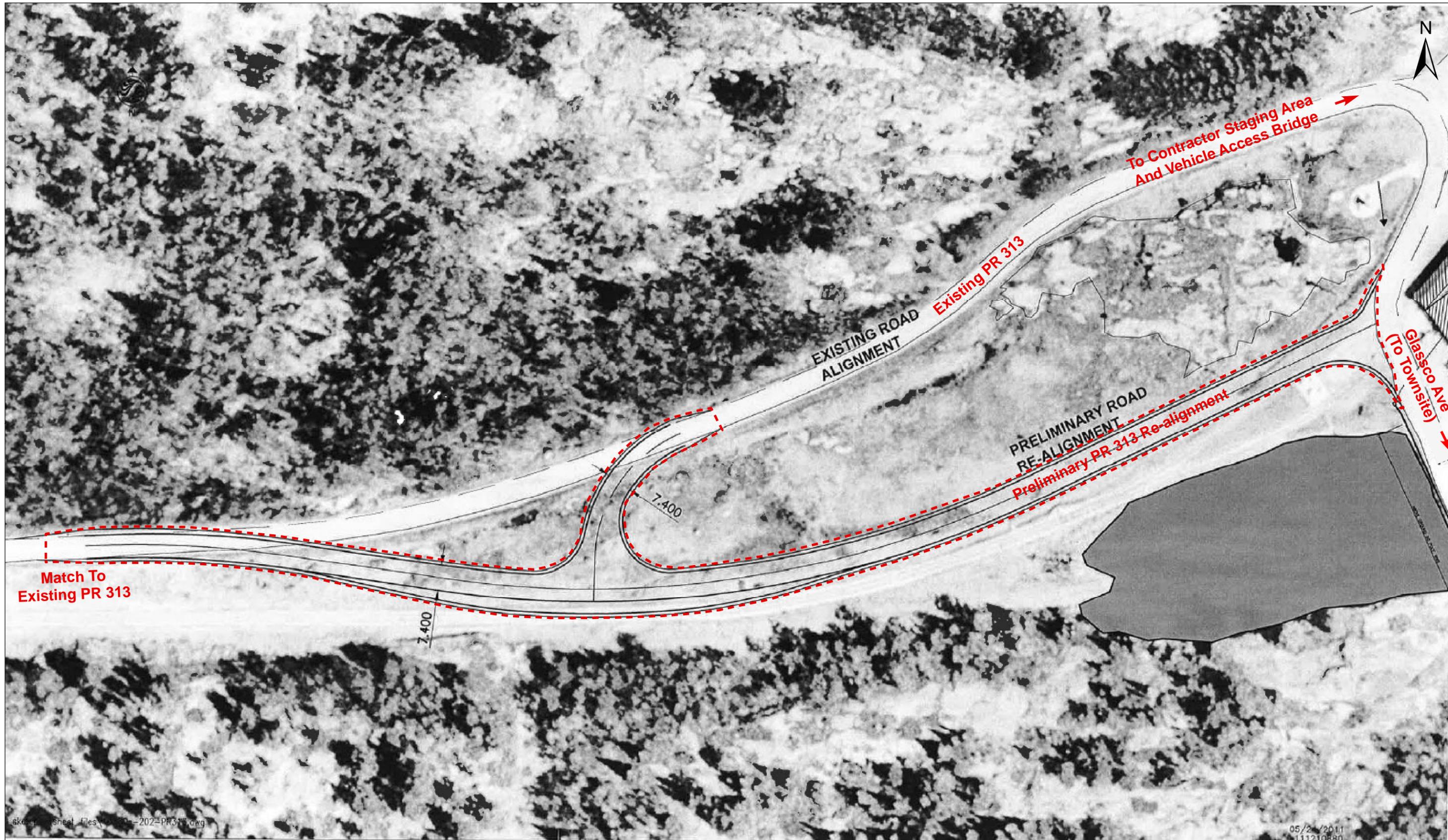
Potential Ice Road Options



Pointe du Bois  
Spillway Replacement Project

Construction Access Options

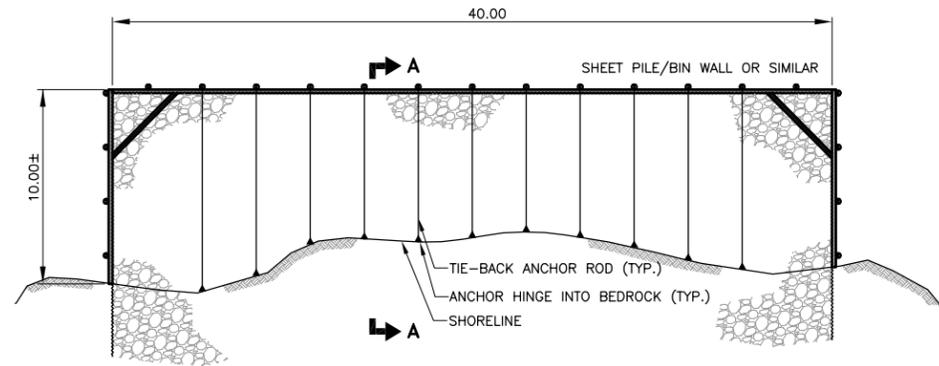
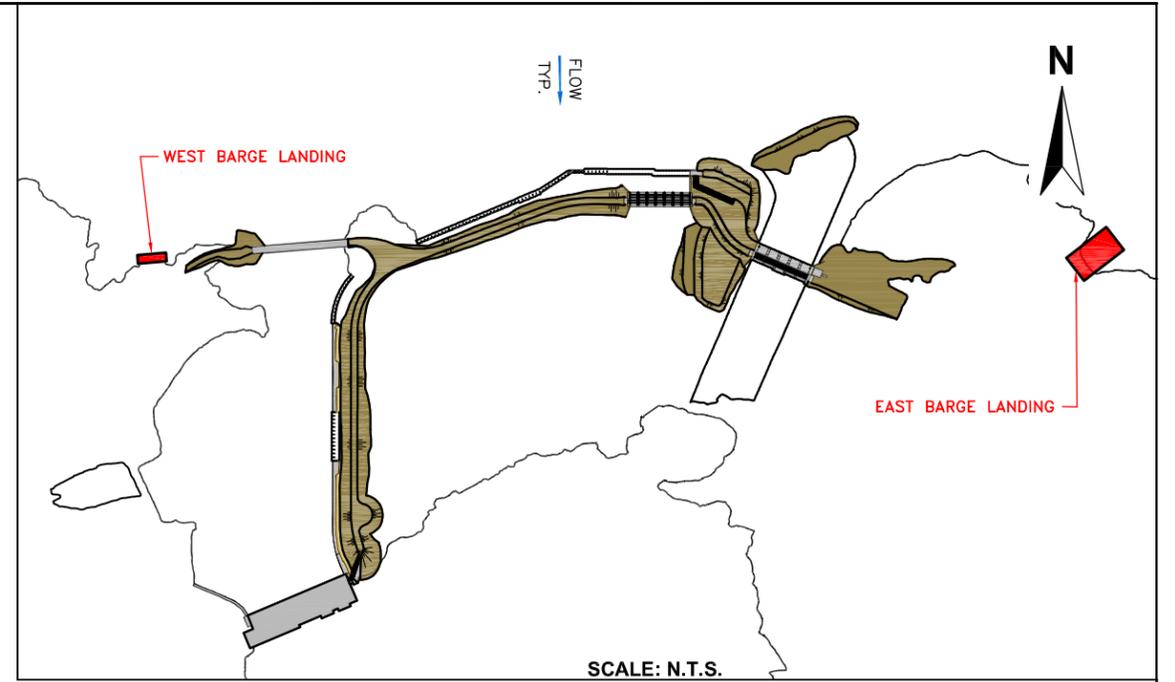
Figure:  
3.9



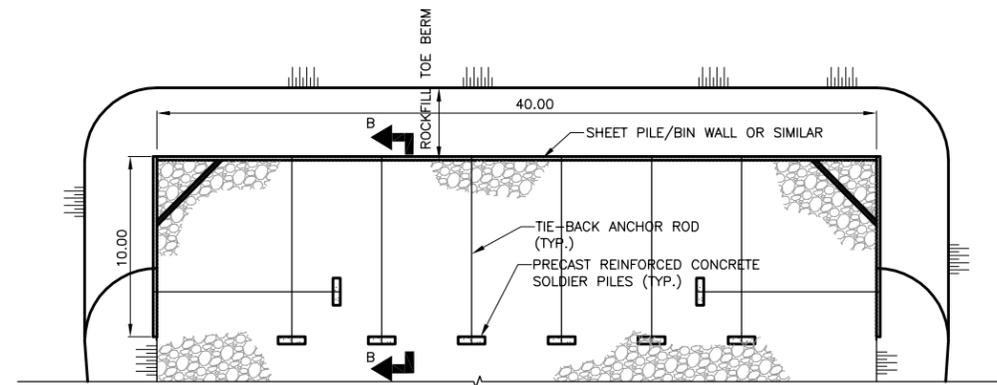
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111210880

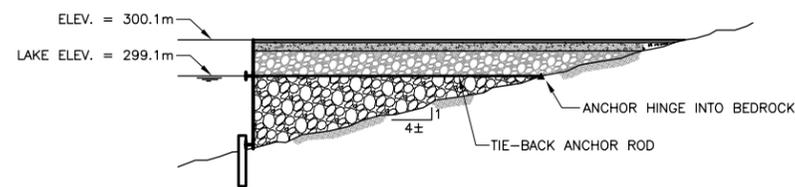
	DATA SOURCE: Manitoba Hydro, Stantec		<b>Legend</b>  Preliminary Limits of PR 313 Re-alignment	<b>Pointe du Bois Spillway Replacement Project</b>		<b>Figure: 3.8</b>
	DATE CREATED: 18 MAY 2011	CREATED BY: HPP - Pointe du Bois Planning		<b>Townsite Access Roadways</b>		
	REVISION NO: VERSION 1.0	REVISION DATE: 14 JUNE 2011		QA/QC: RHP, CJ, MWZ, WB (Stantec)		



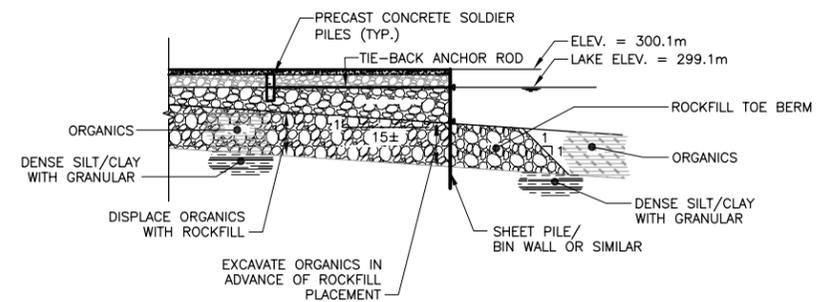
PLAN - WEST BARGE LANDING



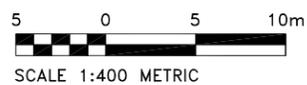
PLAN - EAST BARGE LANDING



SECTION A - A



SECTION B - B

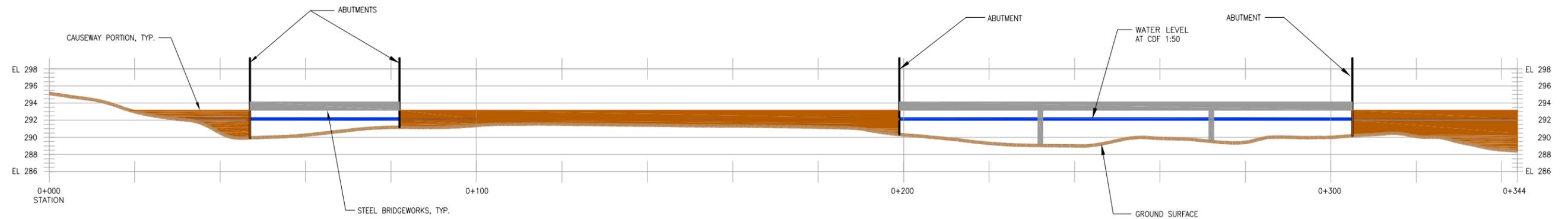
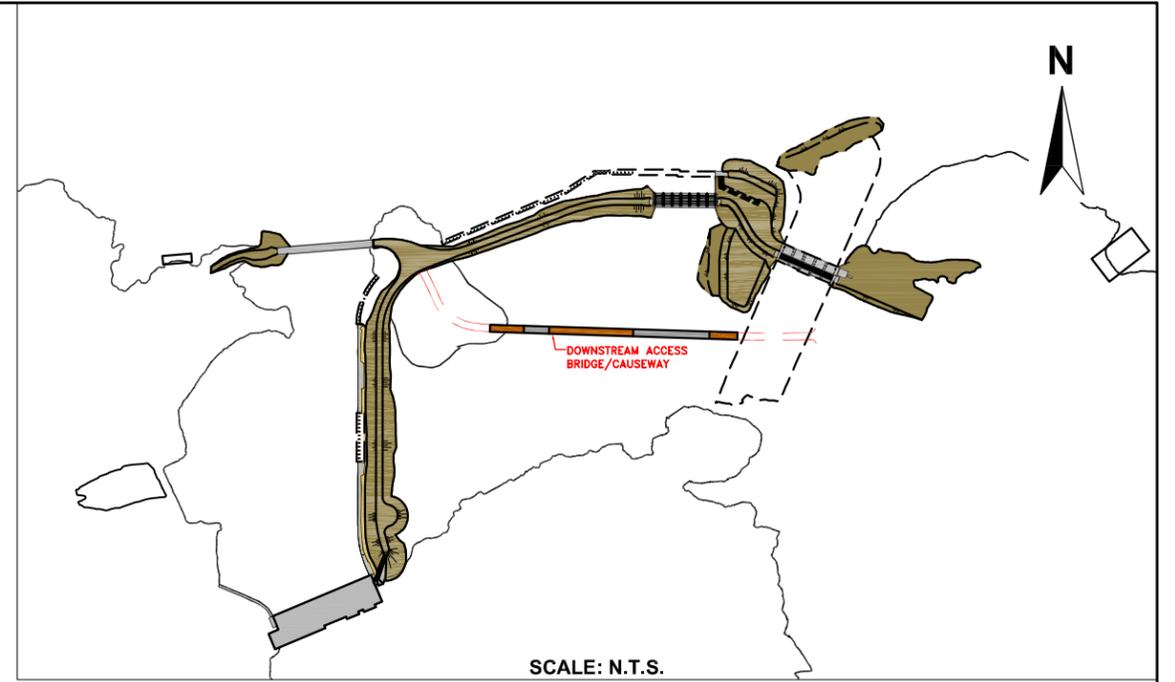


DATA SOURCE: Manitoba Hydro, KGS Acres		
DATE CREATED: 13 MAY 2011	CREATED BY: KGSA	
REVISION No. VERSION 1.0	REVISION DATE: 17 MAY 2011	QA/QC: RHP, MWZ, BMP

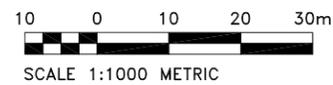
## Pointe du Bois Spillway Replacement Project

Preliminary West and East Side Barge Landings

Figure:  
3.10



**DOWNSTREAM ACCESS BRIDGE/CAUSEWAY ELEVATION**  
SCALE X=1:1, Y=2:1

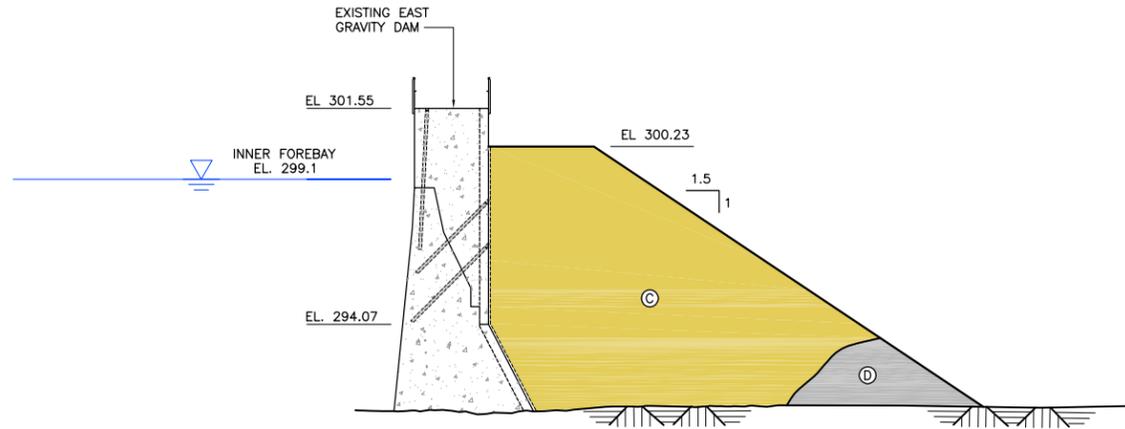


DATA SOURCE: Manitoba Hydro, KGS Acres		
DATE CREATED: 13 MAY 2011	CREATED BY: KGSA	
REVISION No. VERSION 1.0	REVISION DATE: 17 MAY 2011	QA/QC: RHP, MWZ, BMP

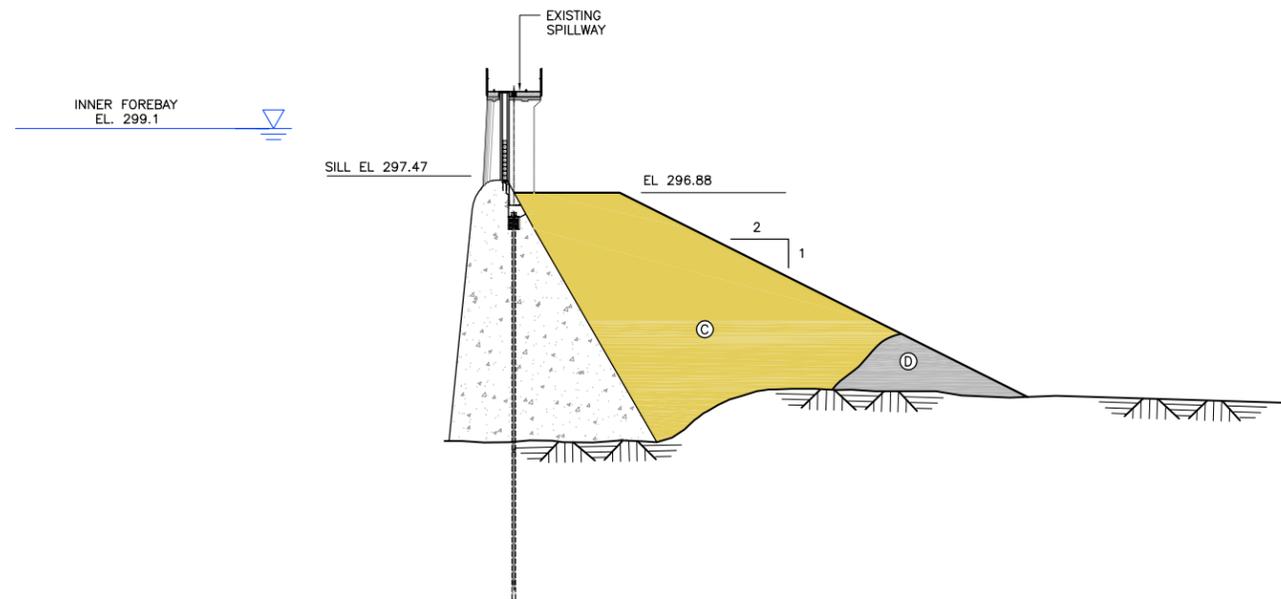
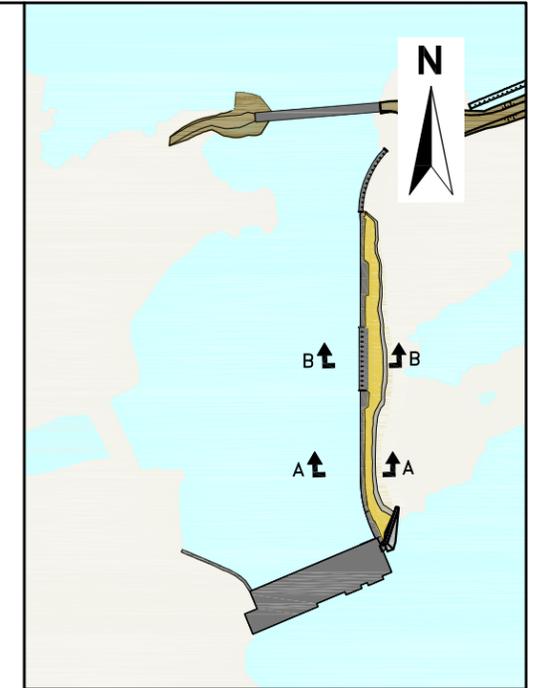
**Pointe du Bois  
Spillway Replacement Project**

**Lower Spillway Shelf Road Access**

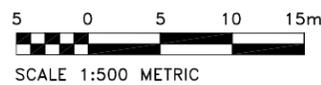
Figure:  
3.11



A-A EAST GRAVITY DAM – TEMPORARY ROCKFILL SUPPORT AT NON-Spillway SECTION



B-B EAST GRAVITY DAM SPILLWAY – TEMPORARY ROCKFILL SUPPORT AT SPILLWAY SECTION



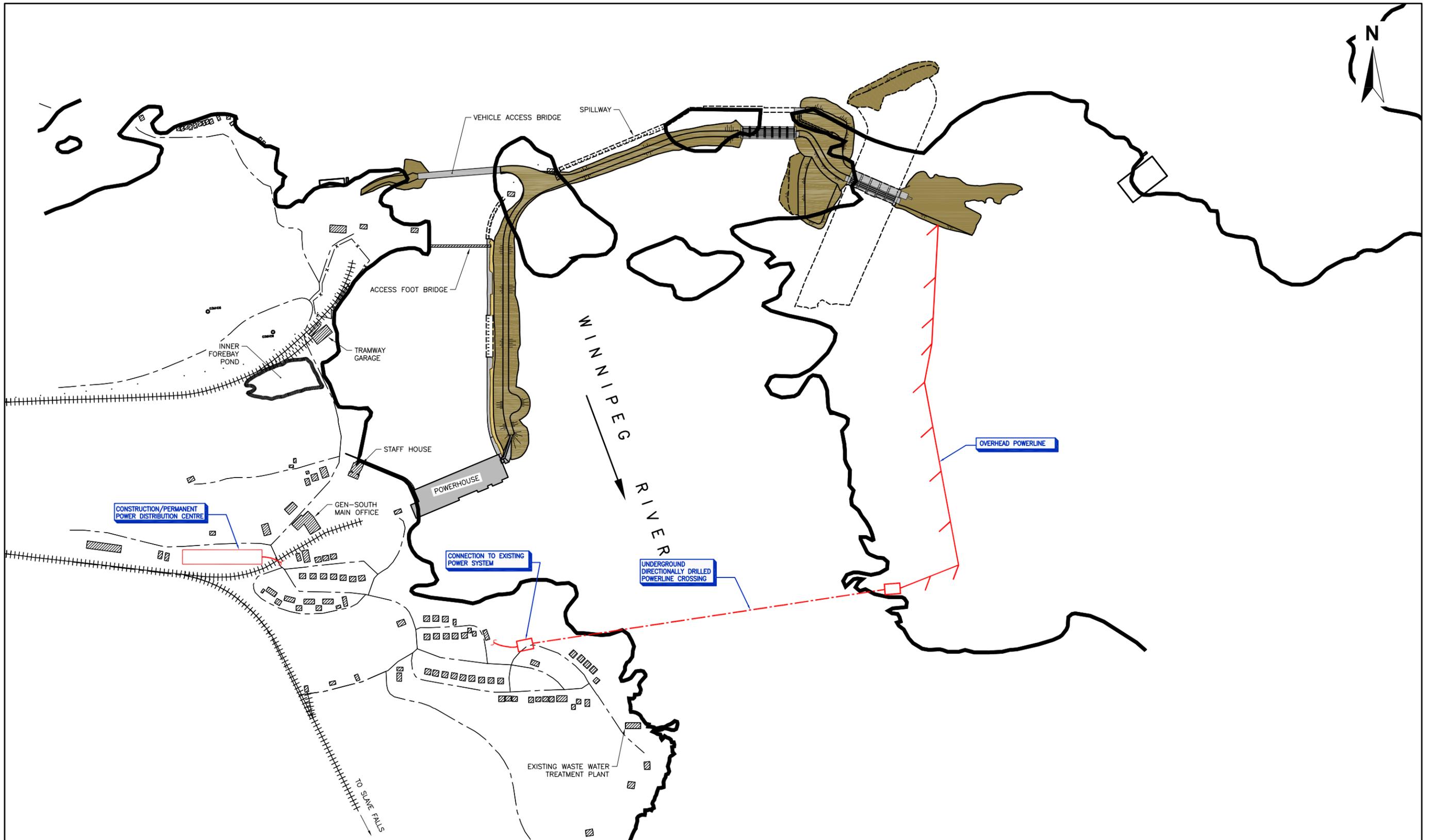
DATA SOURCE: Manitoba Hydro, KGS Acres		
DATE CREATED: 13 MAY 2011	CREATED BY: KGSA	
REVISION No. VERSION 1.0	REVISION DATE: 17 MAY 2011	QA/QC: RHP, MWZ, BMP

Legend			
	ROCKFILL		WATER LEVEL
	LARGE DIAMETER RIPRAP		BEDROCK SURFACE

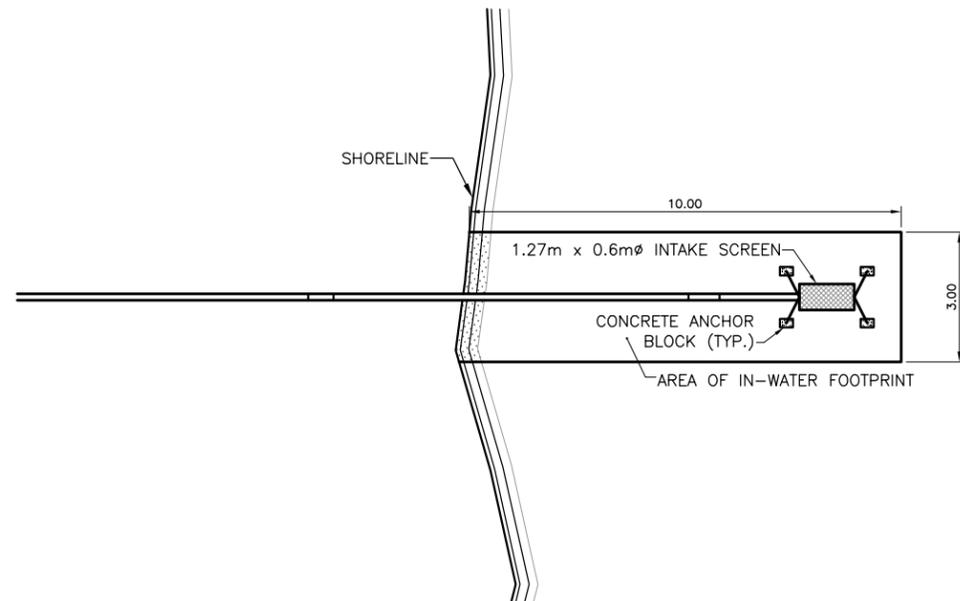
## Pointe du Bois Spillway Replacement Project

East Gravity Dam  
Stabilization

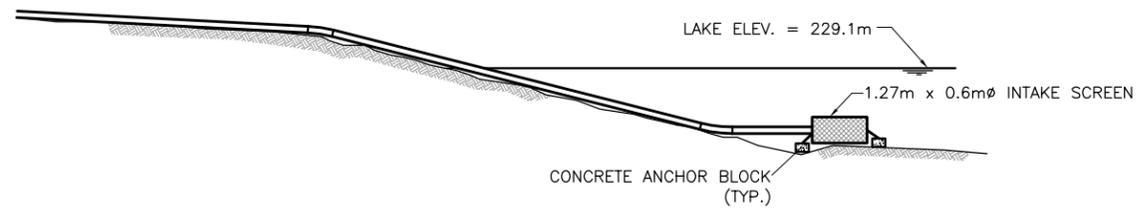
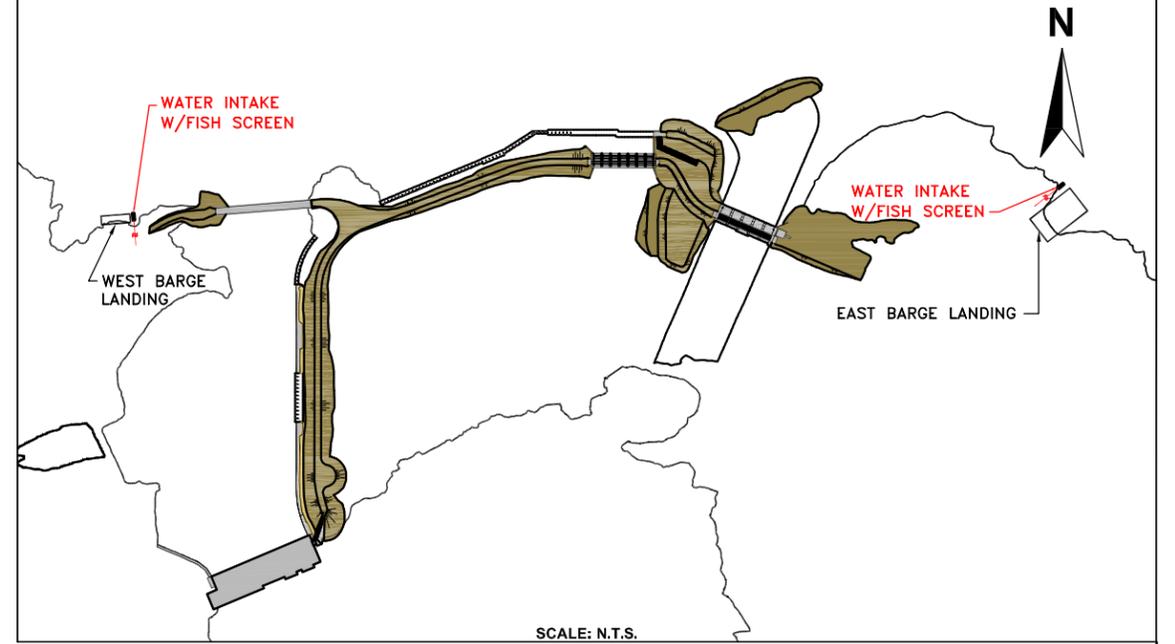
Figure:  
3.12



		DATA SOURCE: Manitoba Hydro, KGS Acres		<h3 style="text-align: center;">Pointe du Bois Spillway Replacement Project</h3>	
		DATE CREATED: 13 MAY 2011	CREATED BY: KGSA		
		REVISION No. VERSION 1.0	REVISION DATE: 17 MAY 2011	QA/QC: RHP, MWZ, BMP	Figure: 3.13



**PLAN – WATER INTAKE WITH FISH SCREEN**



**ELEVATION – WATER INTAKE WITH FISH SCREEN**



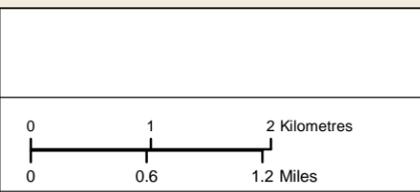
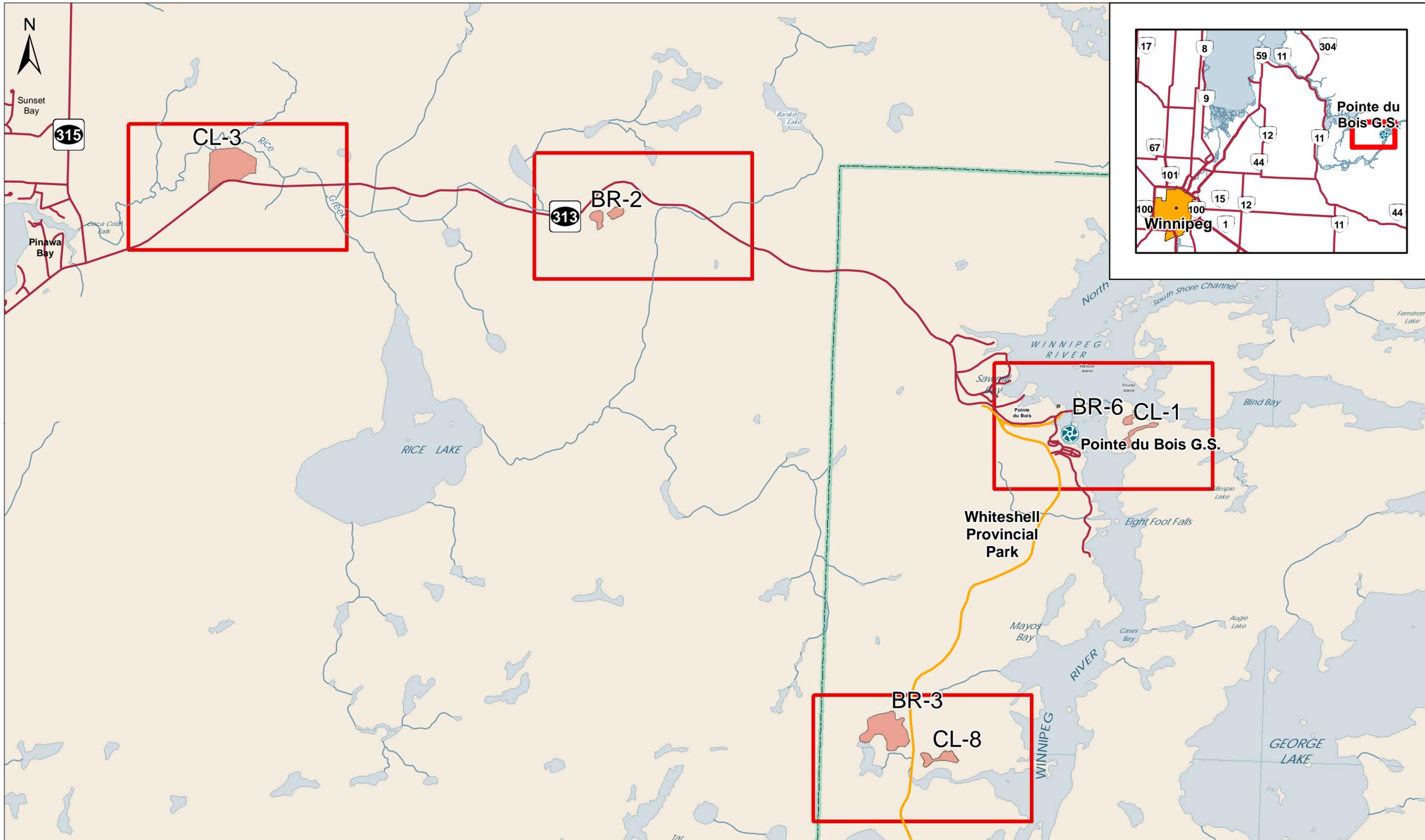
2.5 0 2.5m  
SCALE 1:150 METRIC

DATA SOURCE: Manitoba Hydro, KGS Acres		
DATE CREATED: 13 MAY 2011	CREATED BY: KGSA	
REVISION No. VERSION 1.0	REVISION DATE: 17 MAY 2011	QA/QC: RHP, MWZ, BMP

**Pointe du Bois  
Spillway Replacement Project**

**East and West  
Water Intakes and Details**

Figure:  
3.14



DATA SOURCE: Manitoba Hydro, KGS Acres		
DATE CREATED: 21 APR 2011	CREATED BY: HPP - GIS & Special Studies	
REVISION NO: VERSION: 1.0	REVISION DATE: 31 MAY 2011	QA/QC: RHP, MWZ, BMP

Legend		
<span style="display:inline-block; width:15px; height:15px; background-color:lightcoral; border:1px solid red;"></span> Material Sources	<span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border:1px solid blue;"></span> Waterways	<span style="display:inline-block; width:15px; border-bottom:2px solid orange;"></span> Slave Falls Access Road
<span style="display:inline-block; width:15px; height:15px; border:2px solid red;"></span> Borrow Source Locations	<span style="display:inline-block; width:15px; height:15px; border:1px solid blue; border-radius:50%;"></span> Generating Stations (G.S.)	<span style="display:inline-block; width:15px; border-bottom:2px solid red;"></span> Roads
<span style="display:inline-block; width:15px; height:15px; border:1px dashed green;"></span> Whiteshell Provincial Park		

**Pointe du Bois Spillway Replacement Project**

**Project Borrow Sources**

Figure: 3.15