



## Keeyask Generation Project CEC Hearings

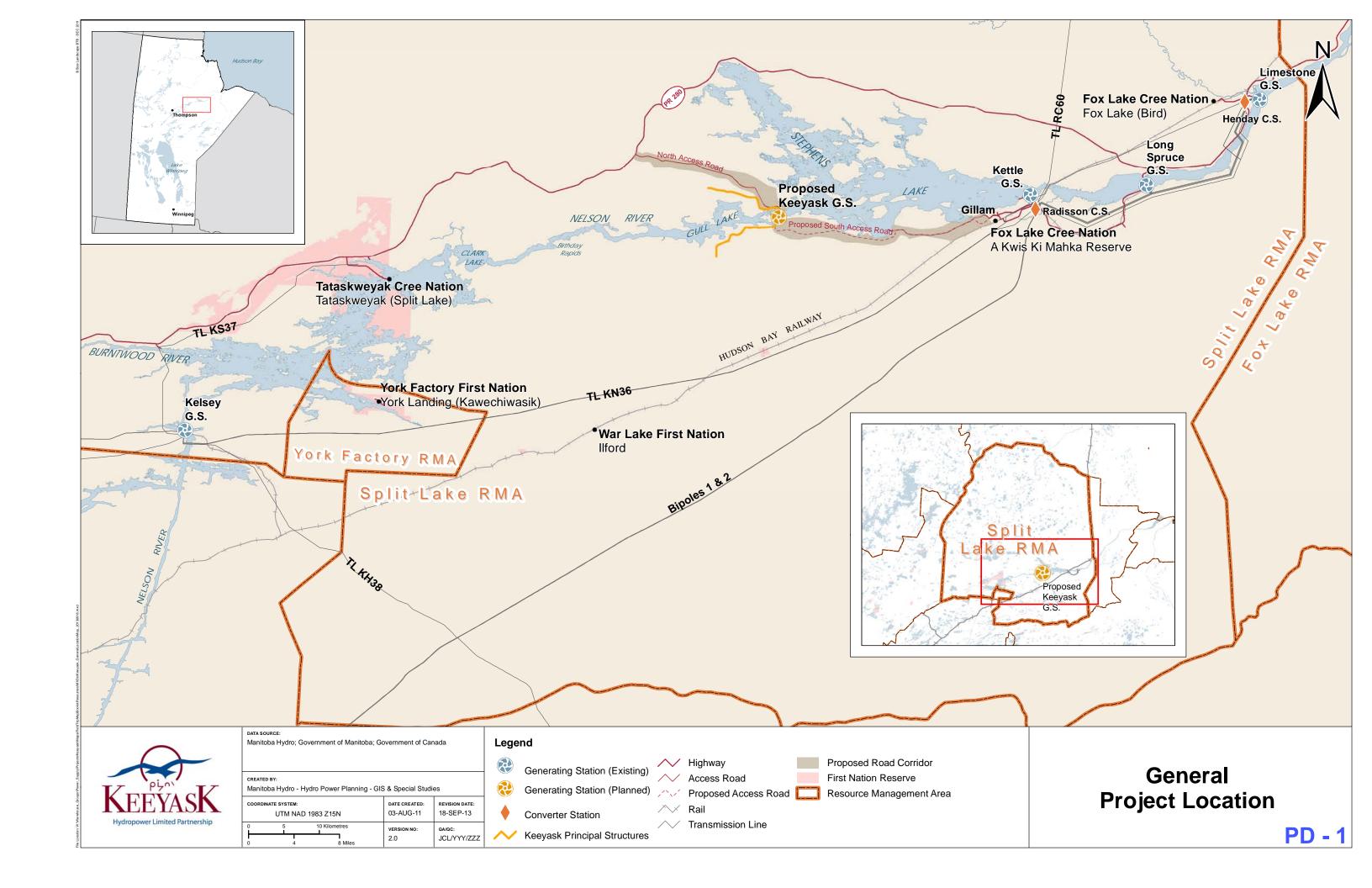
**Project Description & Physical Environment** 

October 2013



## Project Description Maps

Project Description Maps		
PD - 1	General Project Location	
PD - 2	Powerhouse Complex	
PD - 3	Spillway	
PD - 4	General Arrangement – Looking North	
PD - 5	General Arrangement – Looking Upstream	
PD - 6	Principal Structures	
PD - 7	Supporting Infrastructure	
PD - 8	Gull Rapids	
PD - 9	Stage I and II River Diversion	
PD - 10	Construction Sequence – Years 2014 to 2016	
PD - 11	Construction Sequence – Years 2017 to 2019	
PD - 12	Construction Sequence – Years 2019 to 2022	
PD - 13	Revised Keeyask Project Footprint Operating Phase – Site Level	
PD - 14	Revised Keeyask Borrow Sources and Quarries - Potential	
PD - 15	Excavated Material Placement Areas	
PD - 16	Access Roads	
PD - 17	Boat Launch and Access Routes	
PD - 18	Waterways Public Safety Measures – Construction Phase	
PD - 19	Waterways Public Safety Measures – Operation Phase	
PD - 20	Proposed Reservoir Clearing Methods	







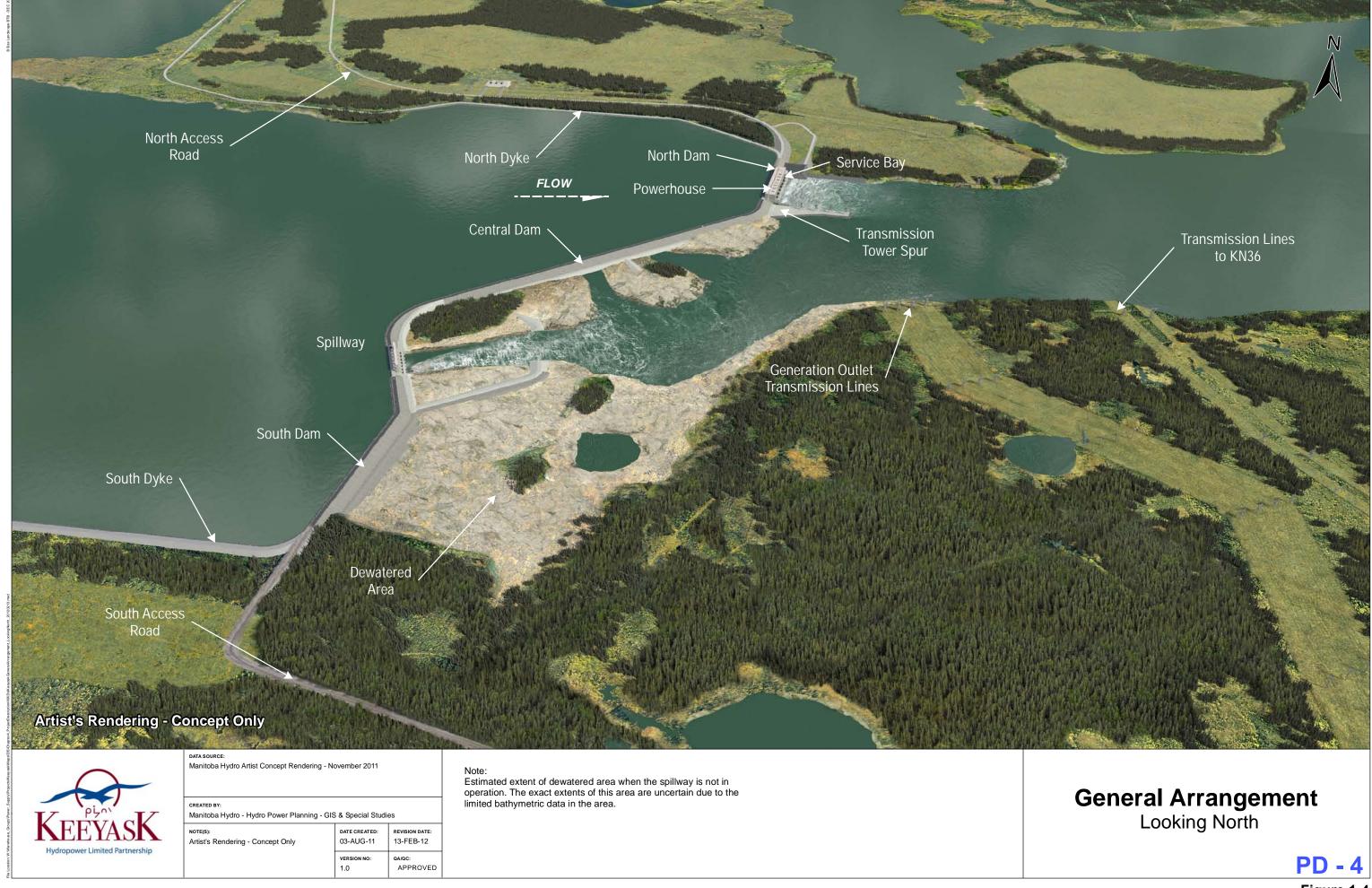
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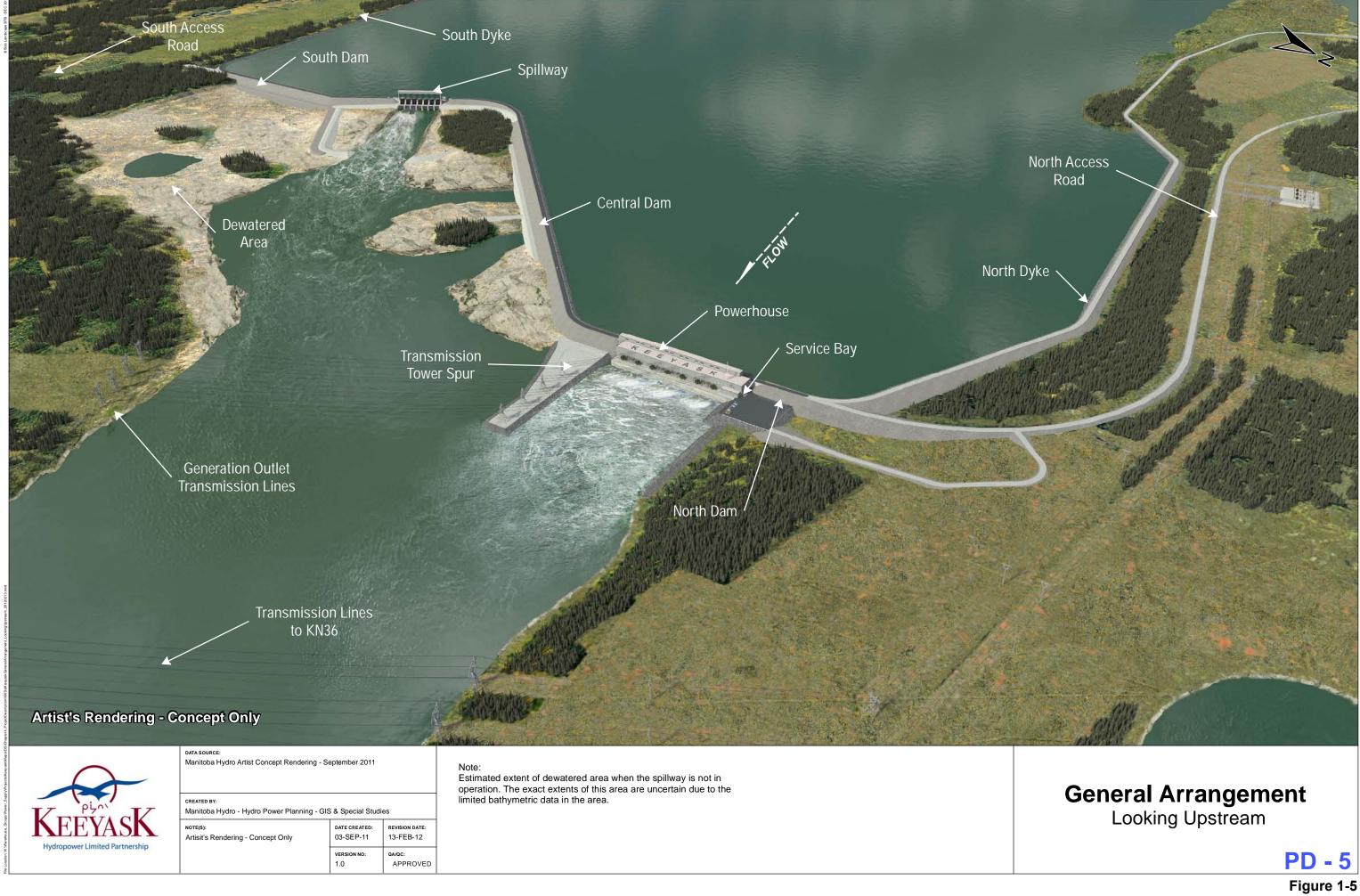
REVISION DATE: 03-SEP-11 11-APR-12 Artist's Rendering - Concept Only APPROVED Note:
Map illustrates the estimated extent of the dewatered area when the spillway is not in operation. The true extent of this area is uncertain due to the limited bathymetric data

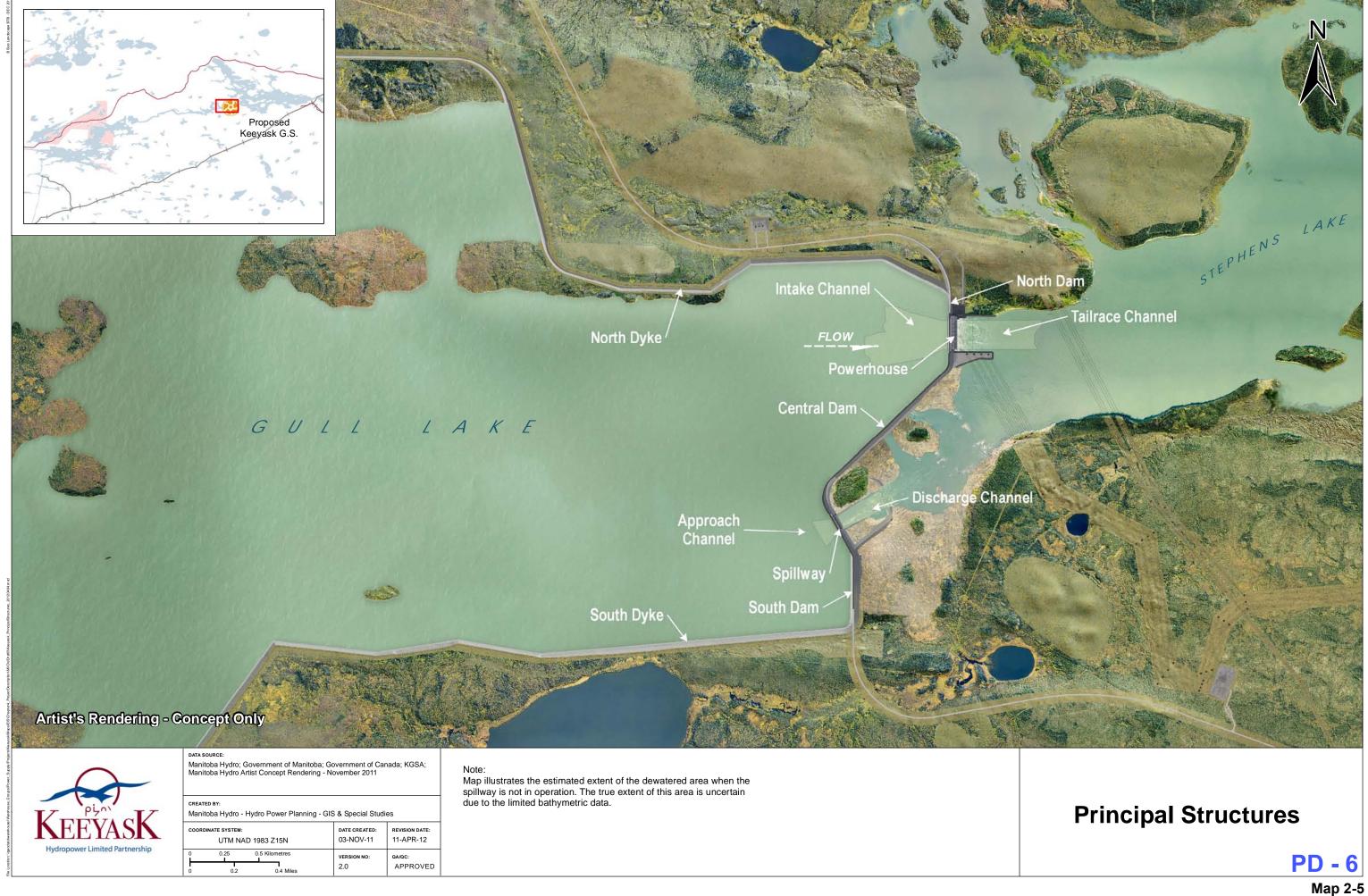
**Powerhouse Complex** 

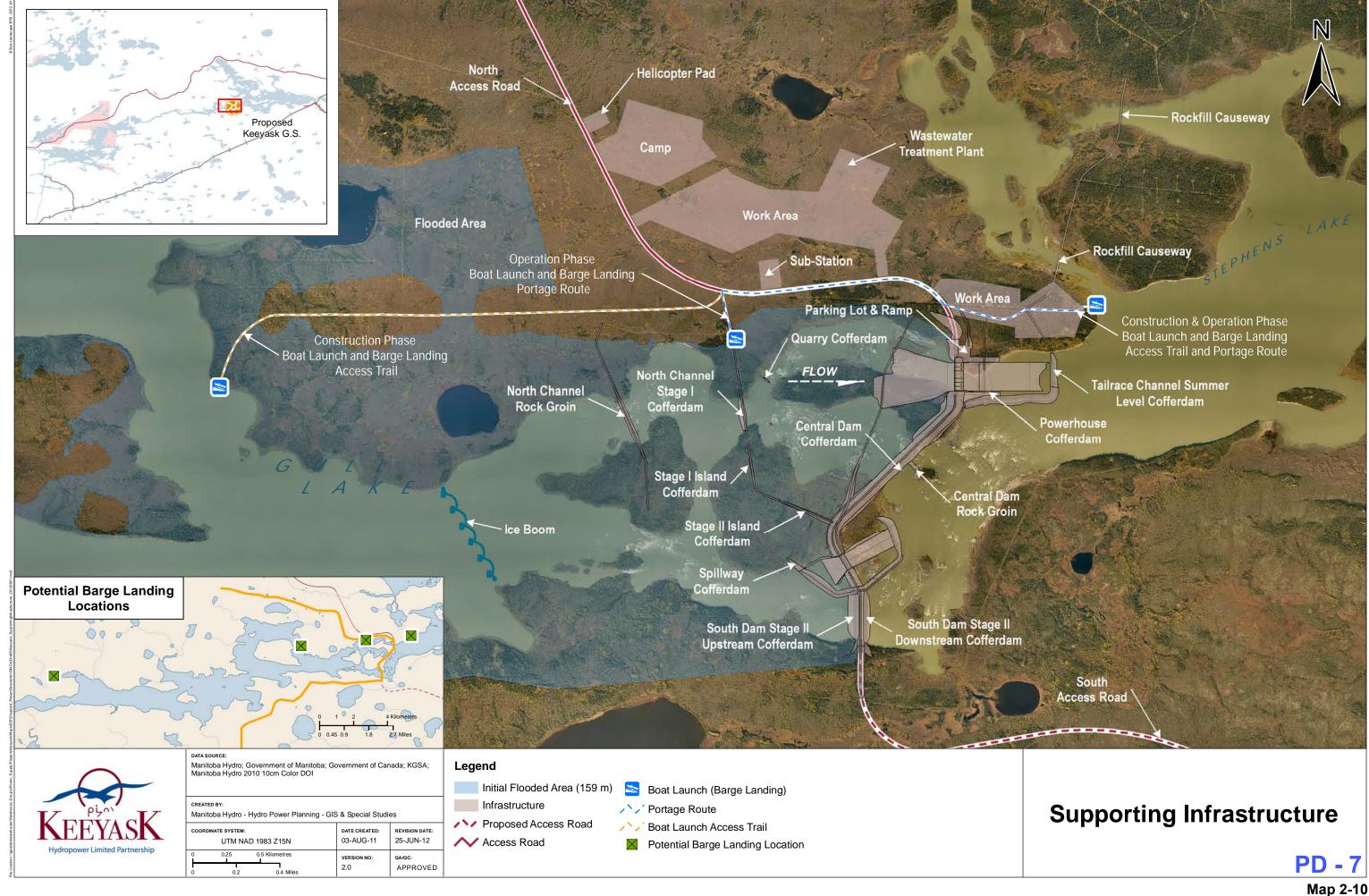
PD - 2
Figure 1-2















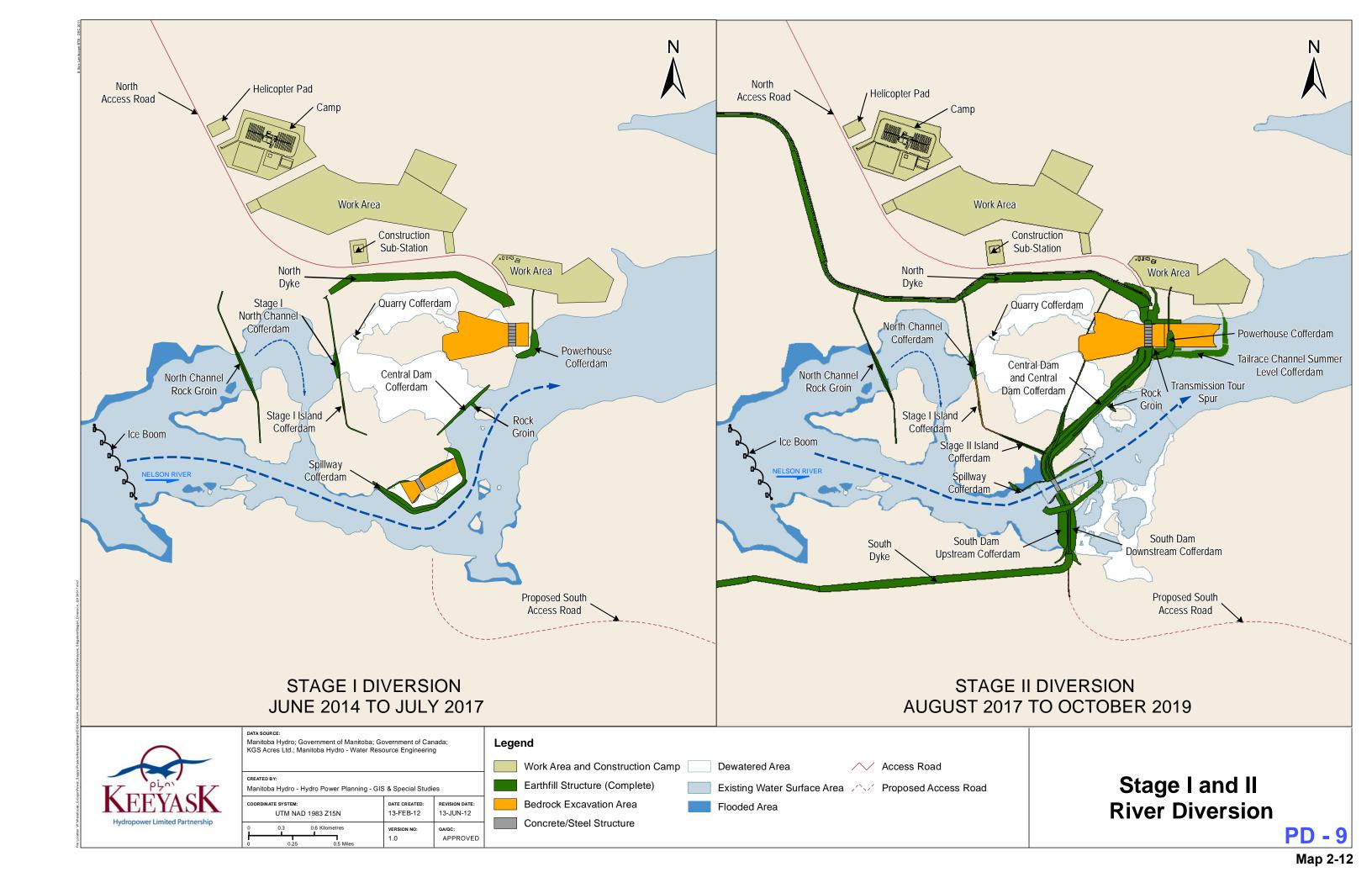
DATA SOURCE:

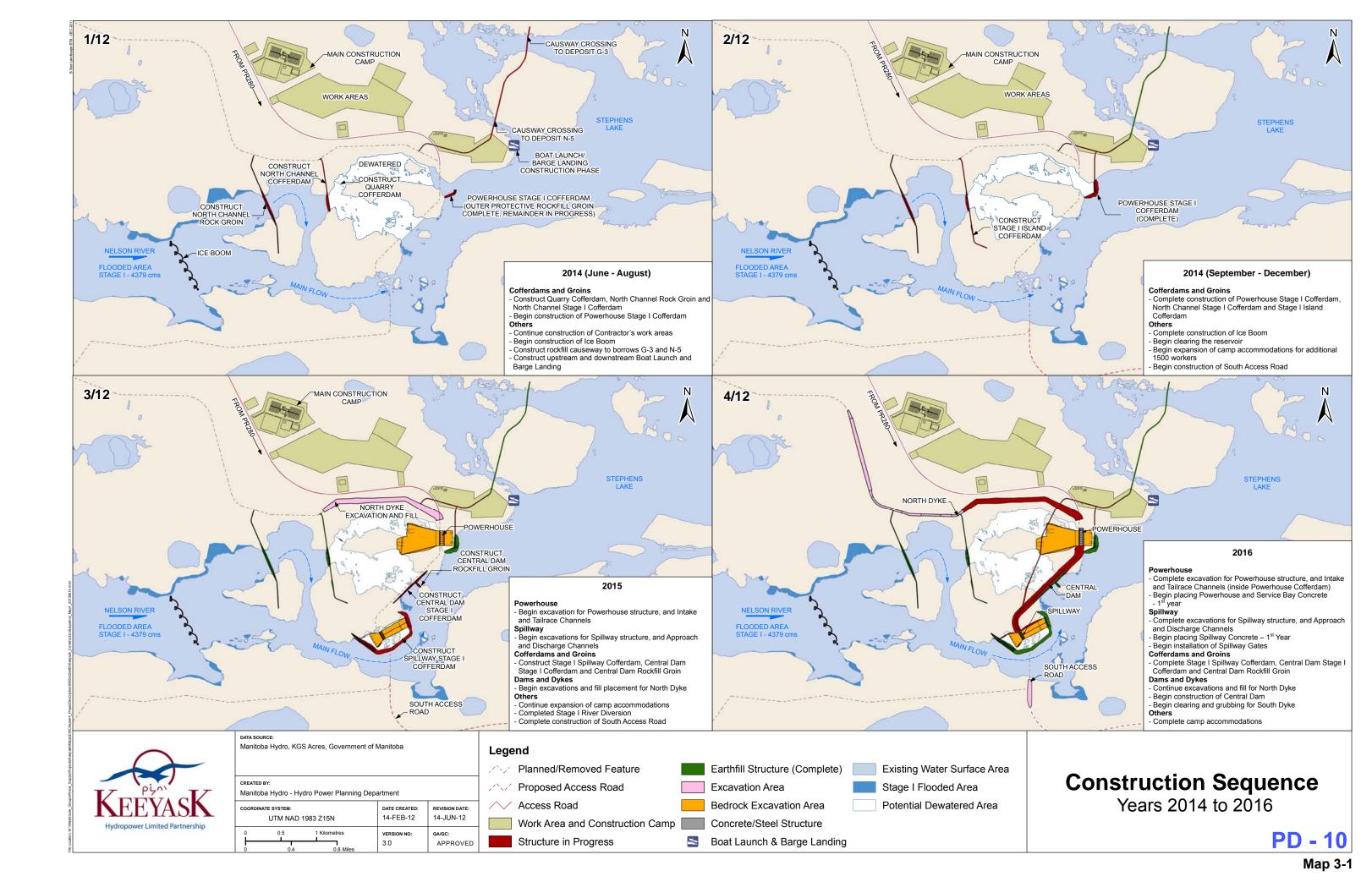
Manitoba Hydro; Government of Manitoba; Government of Canada; Manitoba Hydro 2010 10cm Color DOI

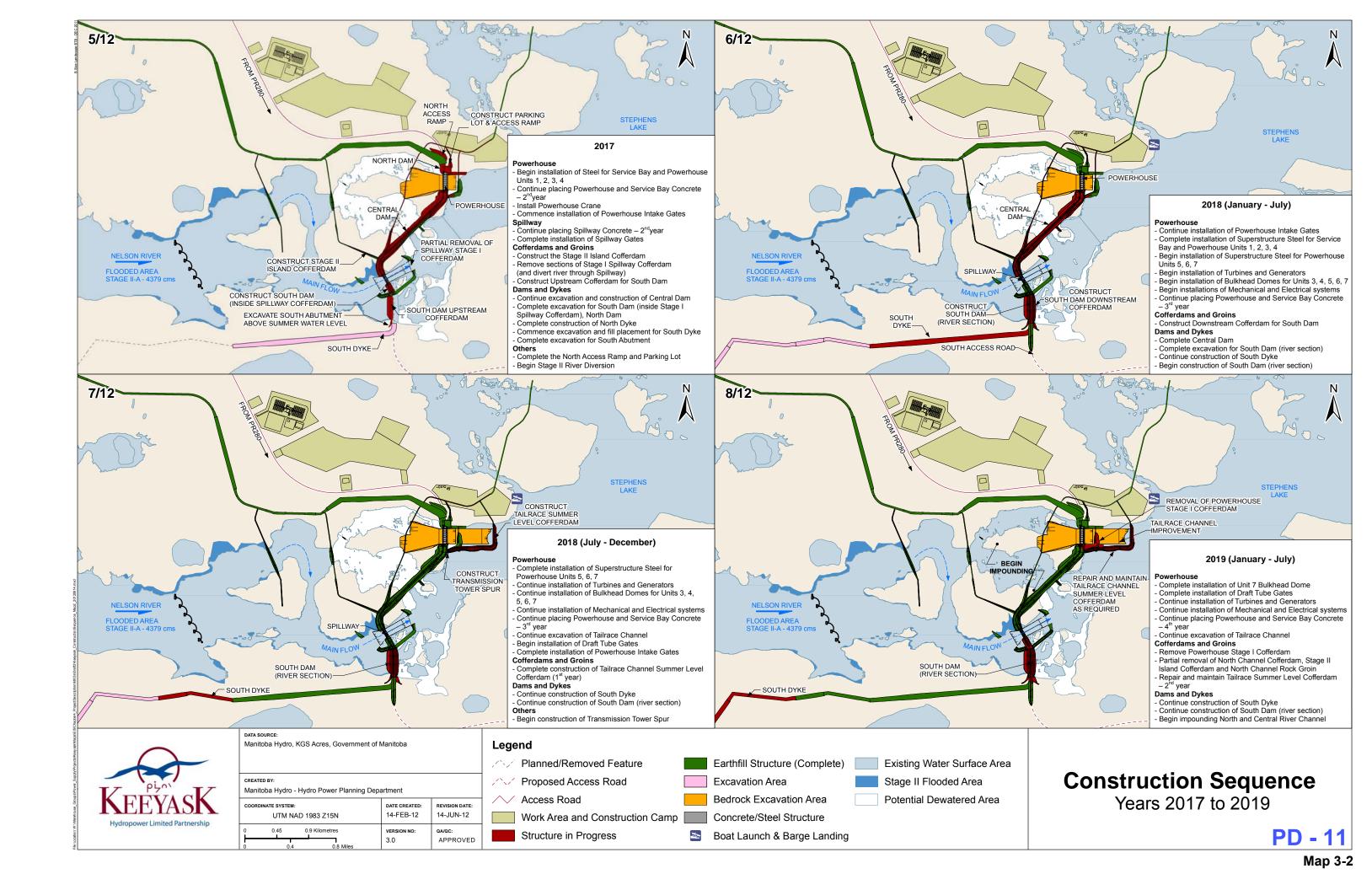
CREATED BY:
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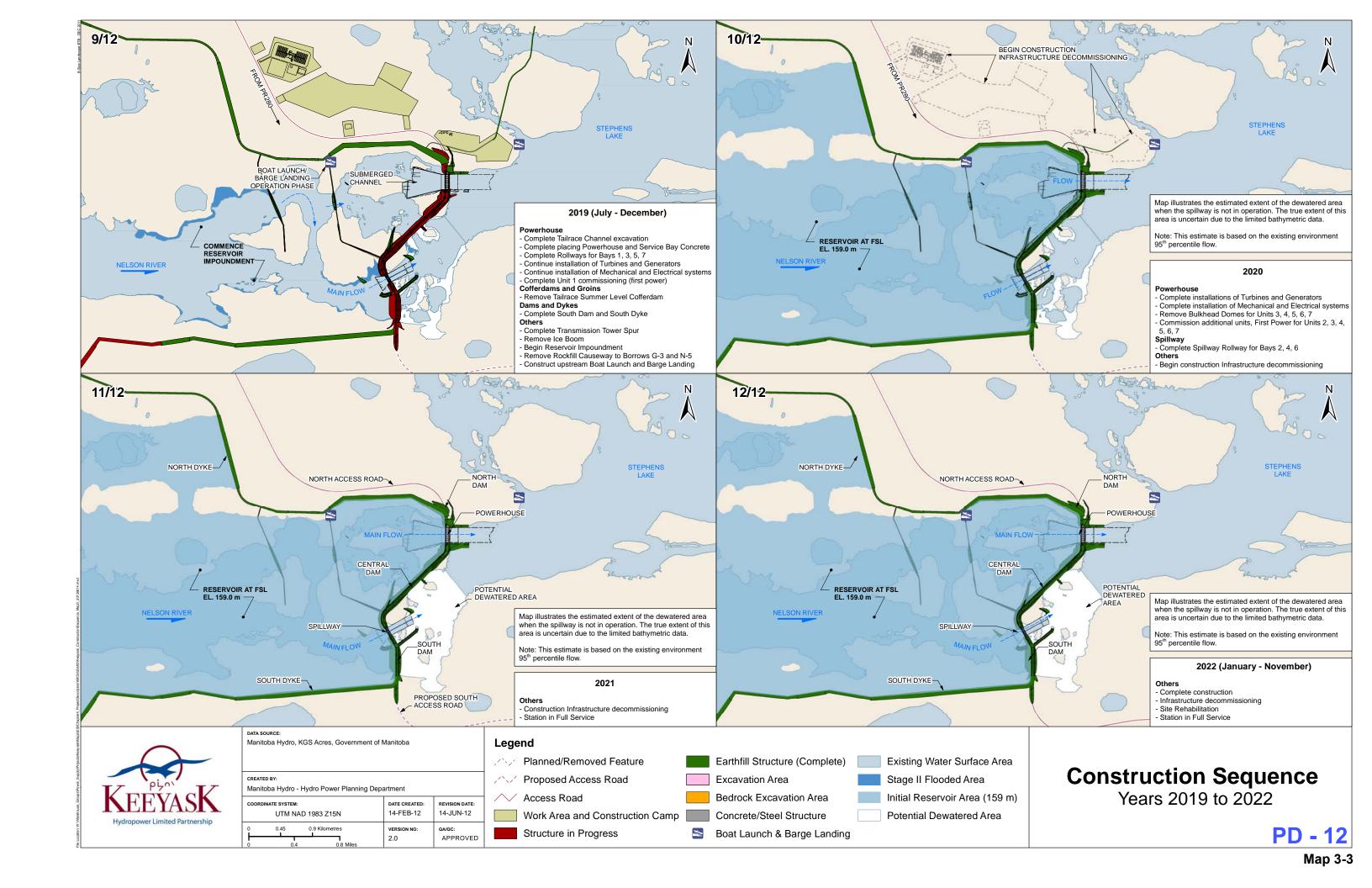
COORDINATE SYSTEM: UTM NAD 1983 Z15N	DATE CREATED: 17-SEP-13	REVISION DATE
0 0.2 0.4 Kilometres	VERSION NO:	QA/QC:
0 0.15 0.3 Miles	1.0	APPROVE

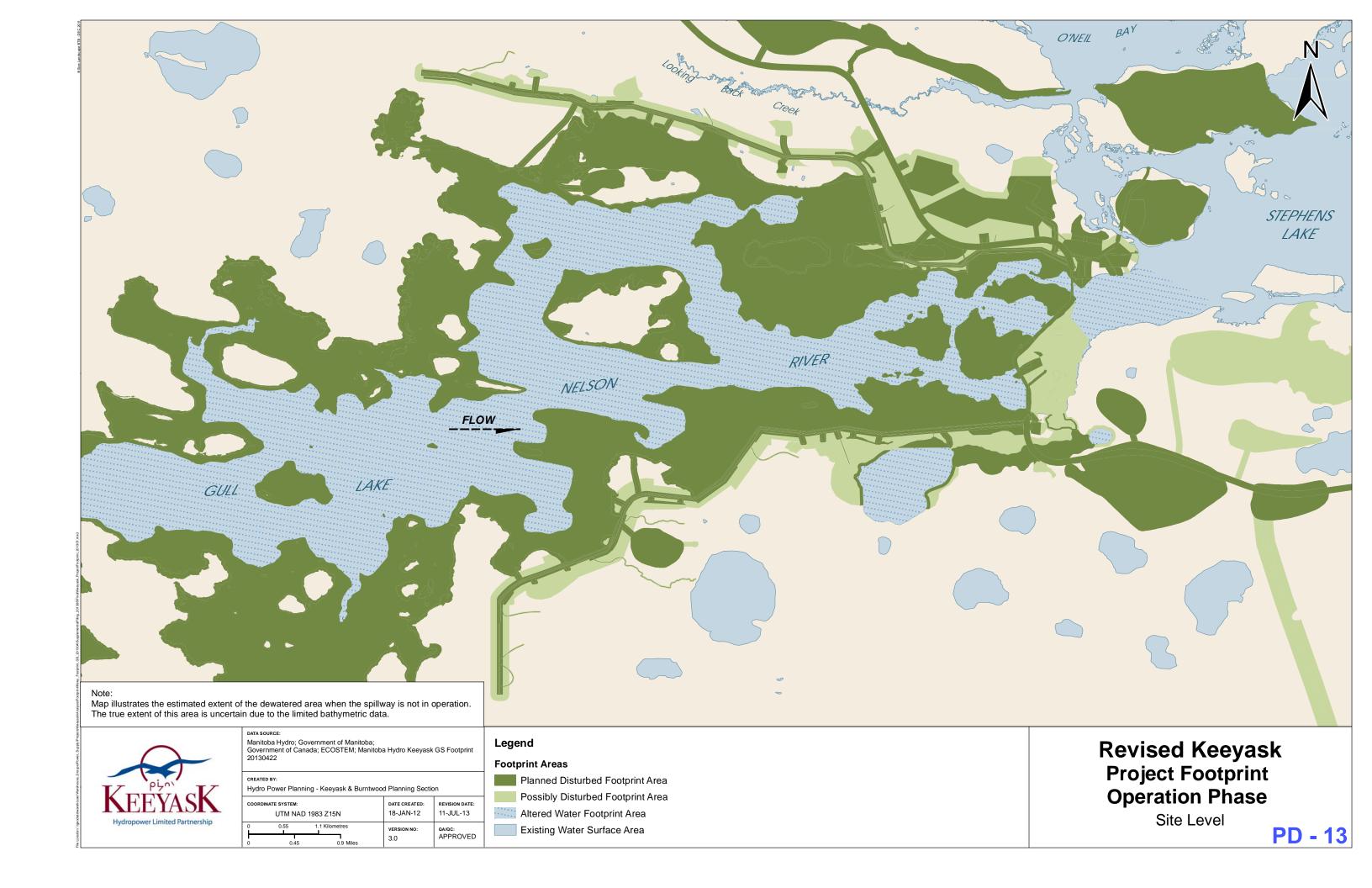
**Gull Rapids** 

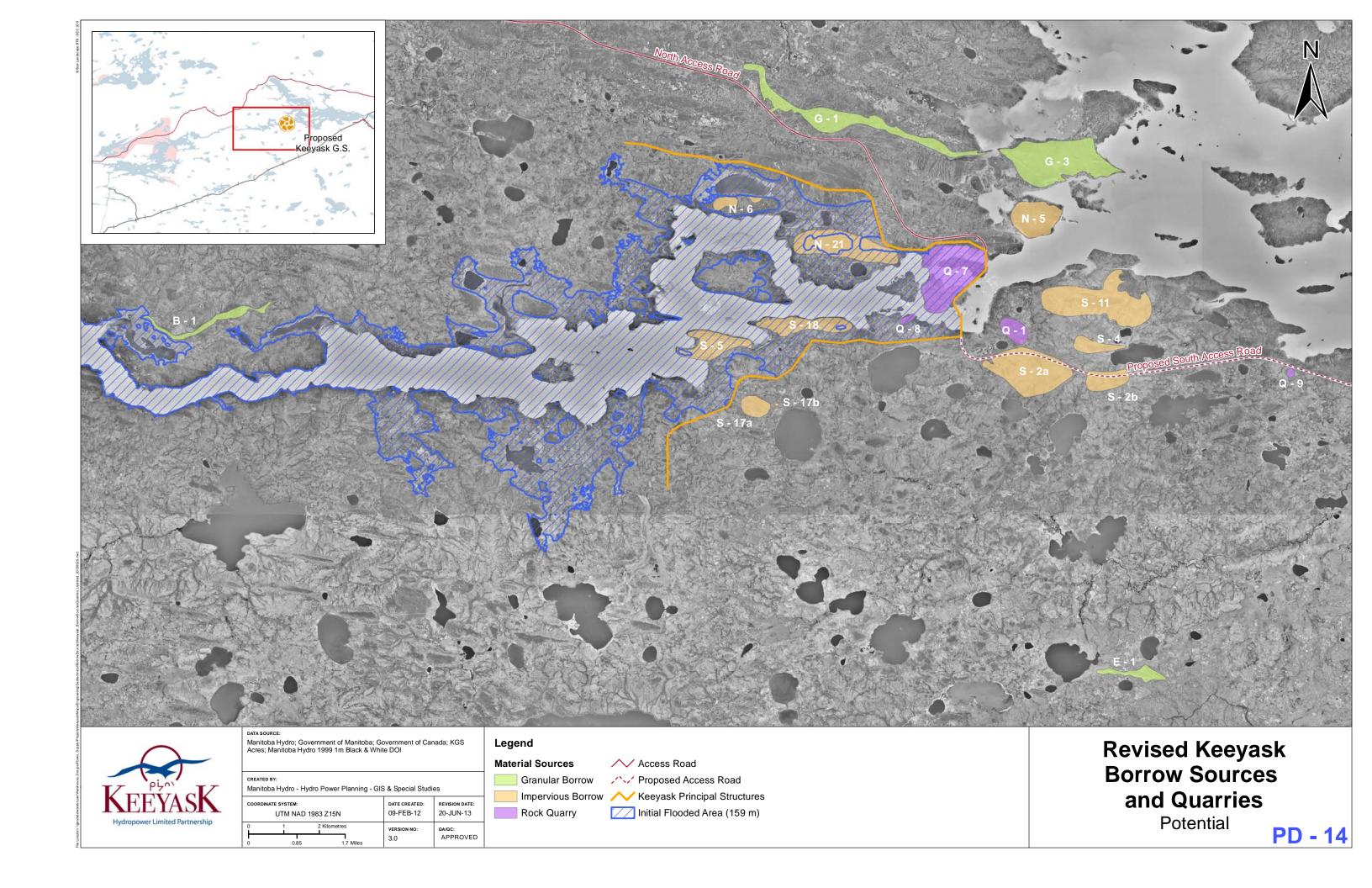


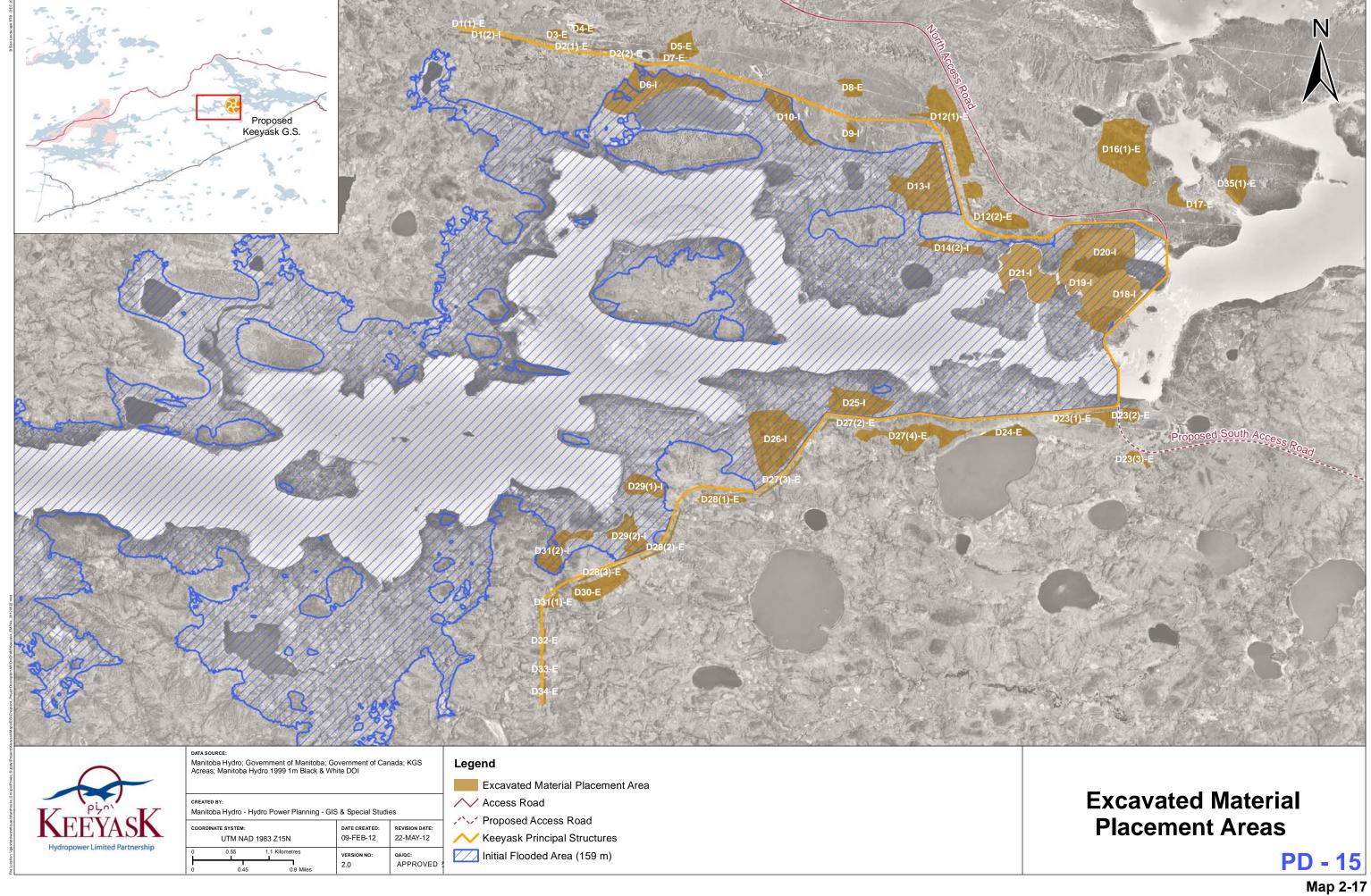


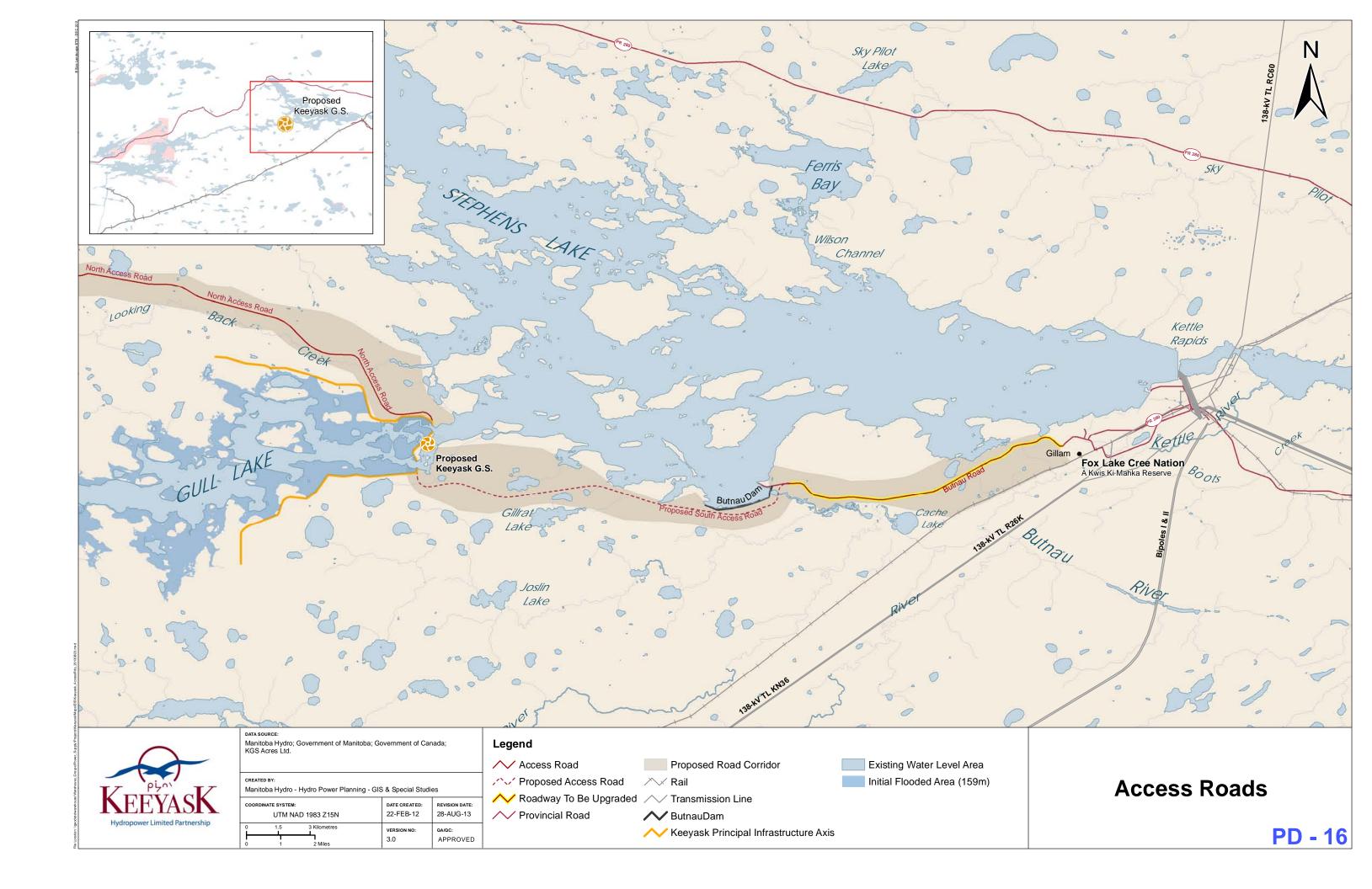


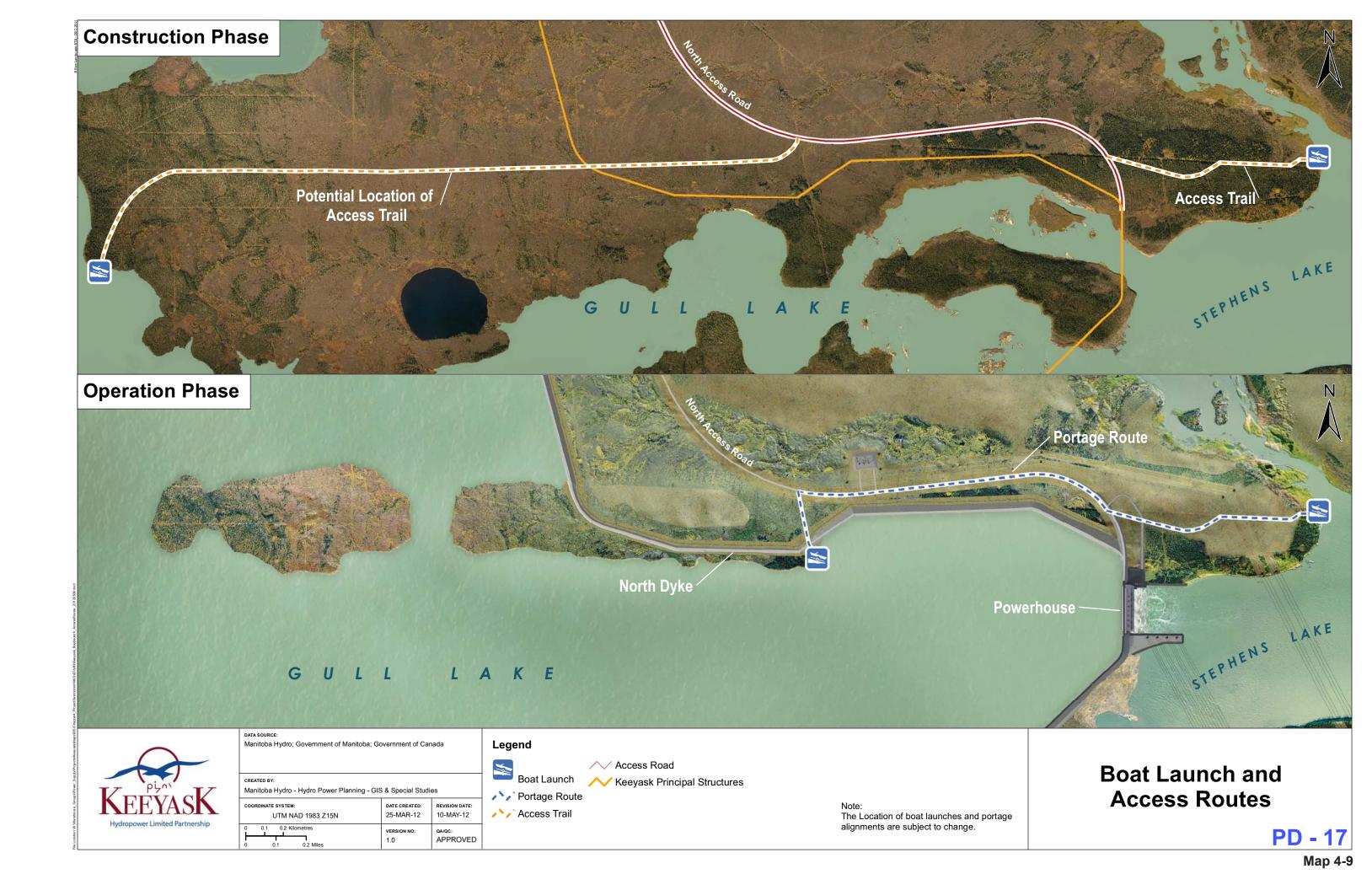


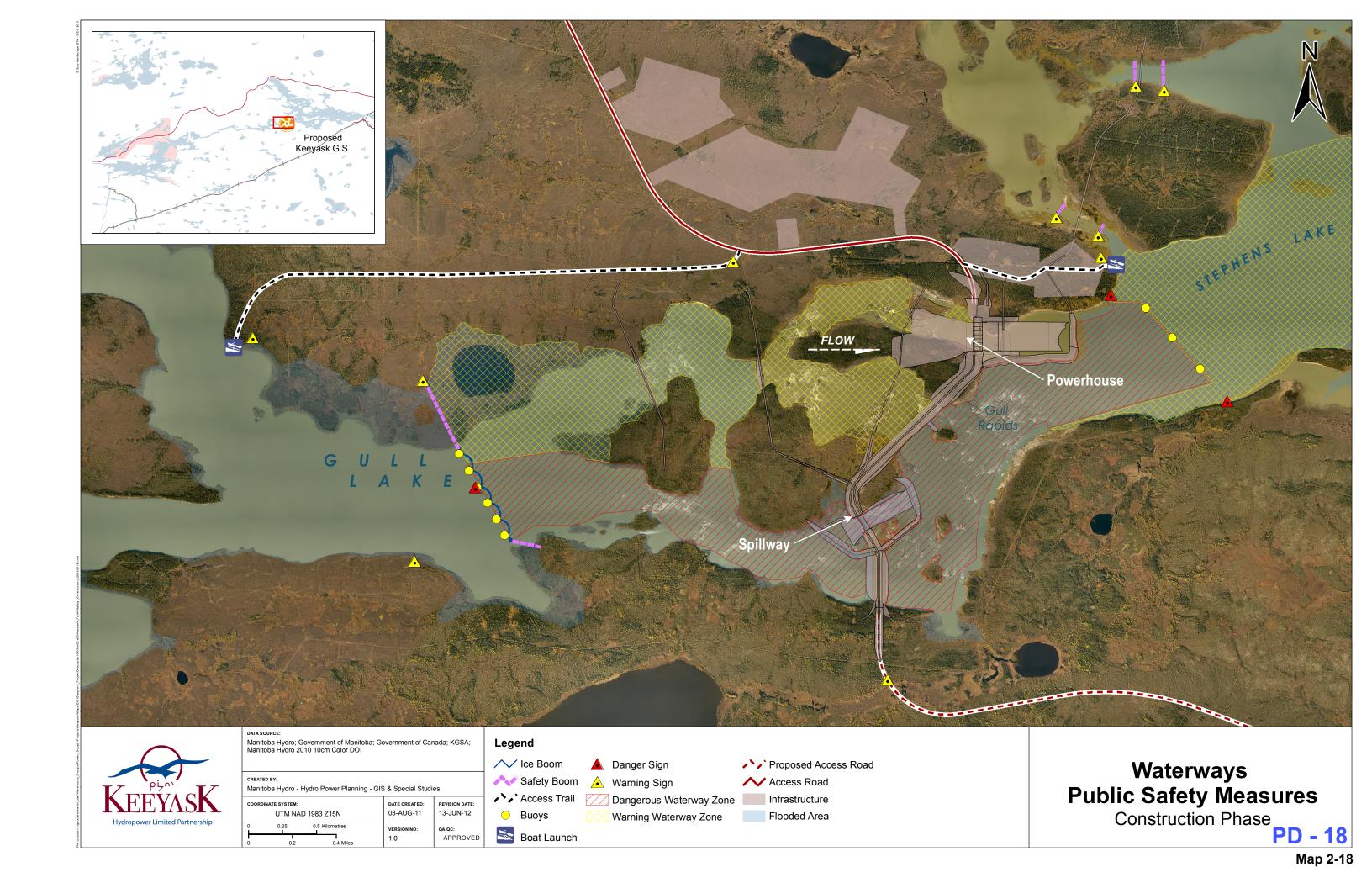


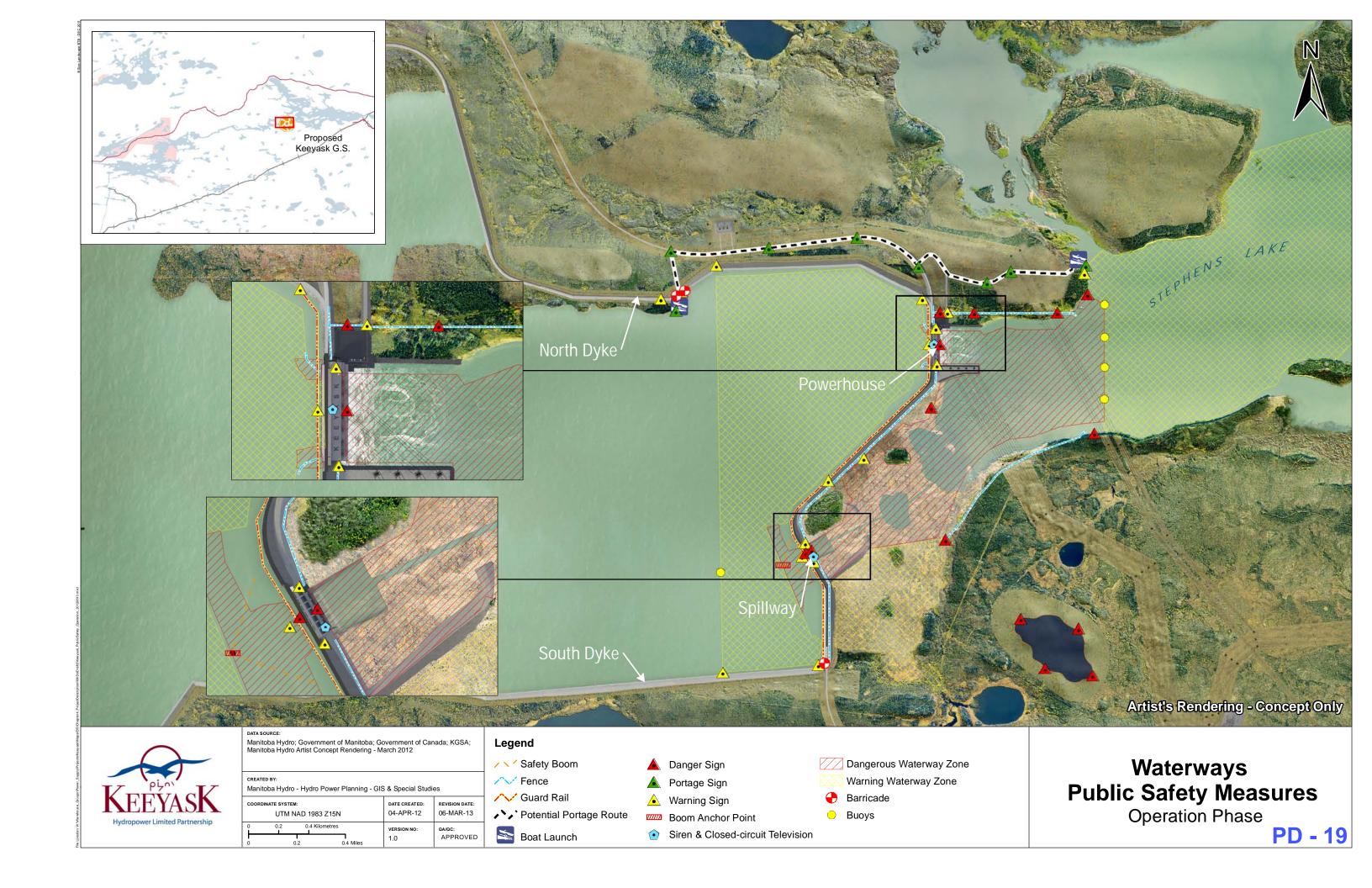


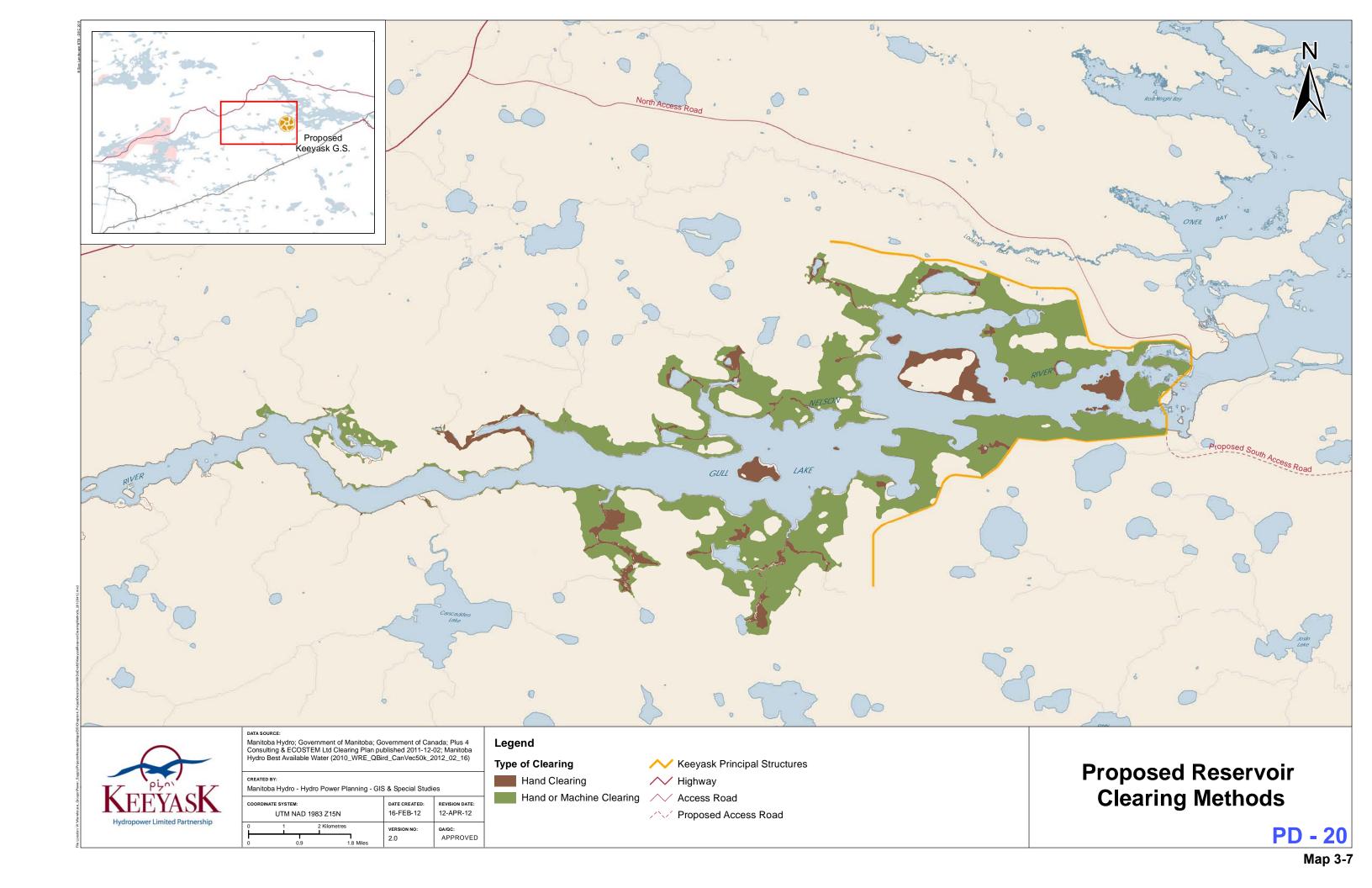










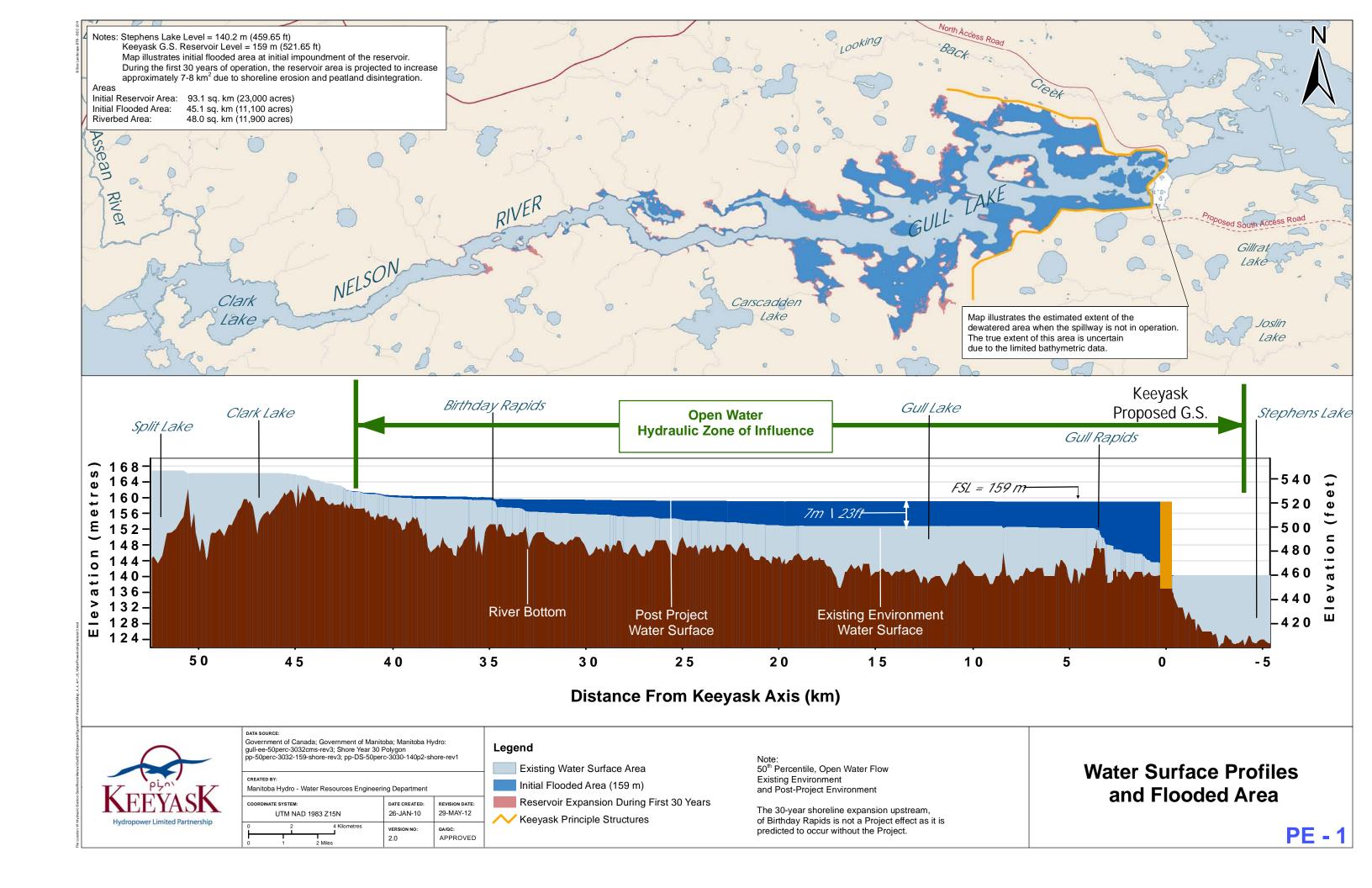


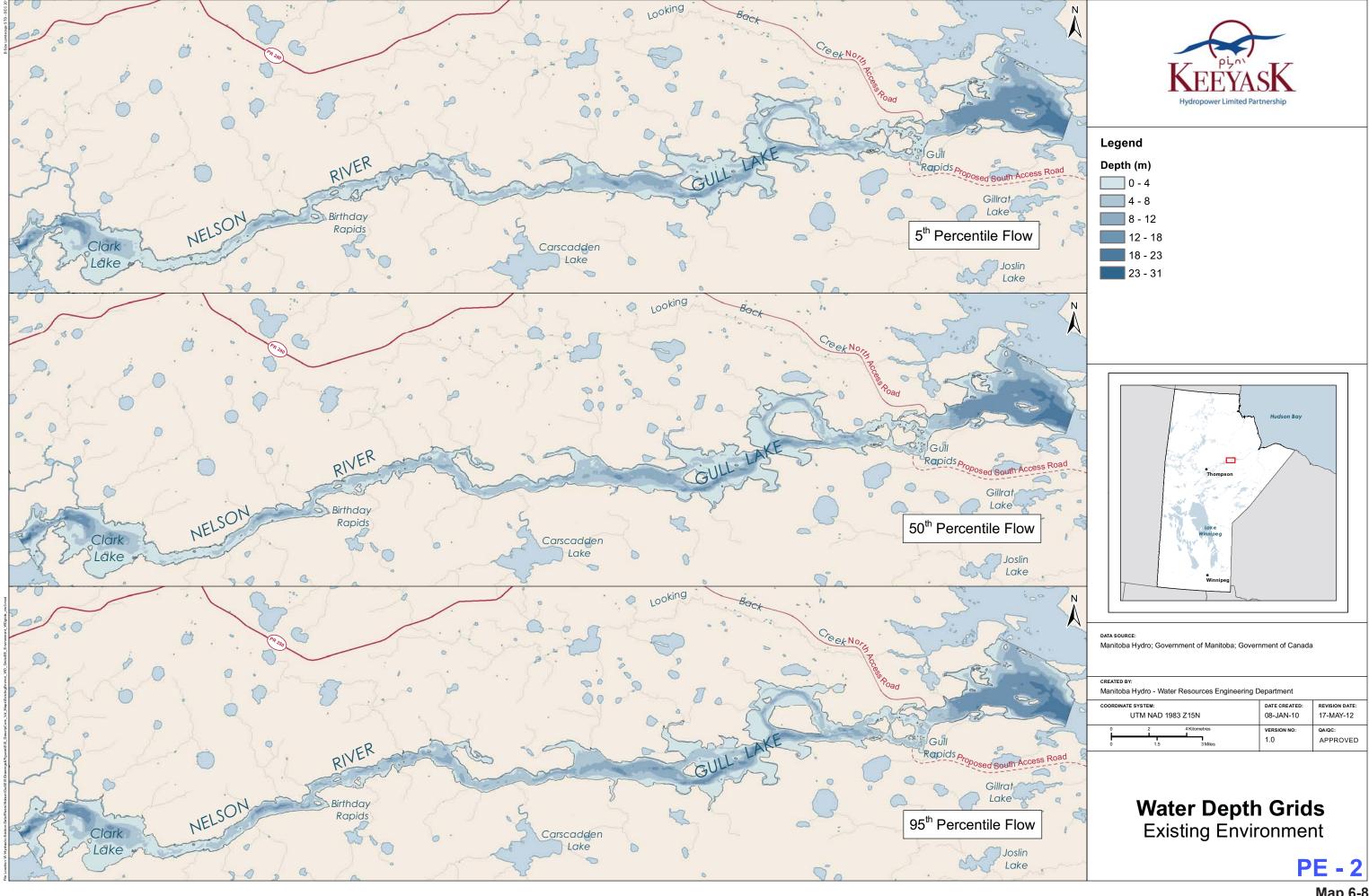


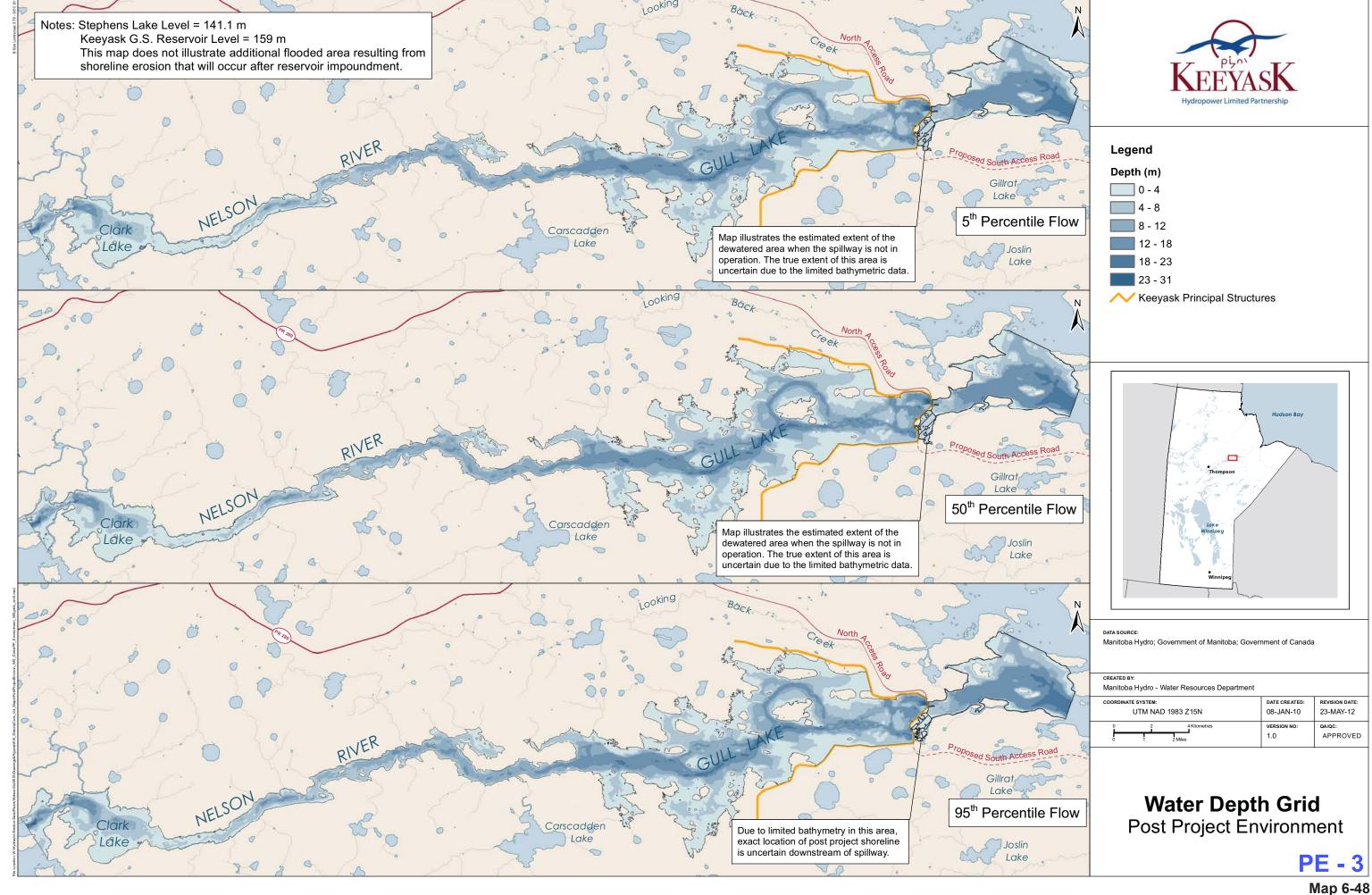
Hydropower Limited Partnership

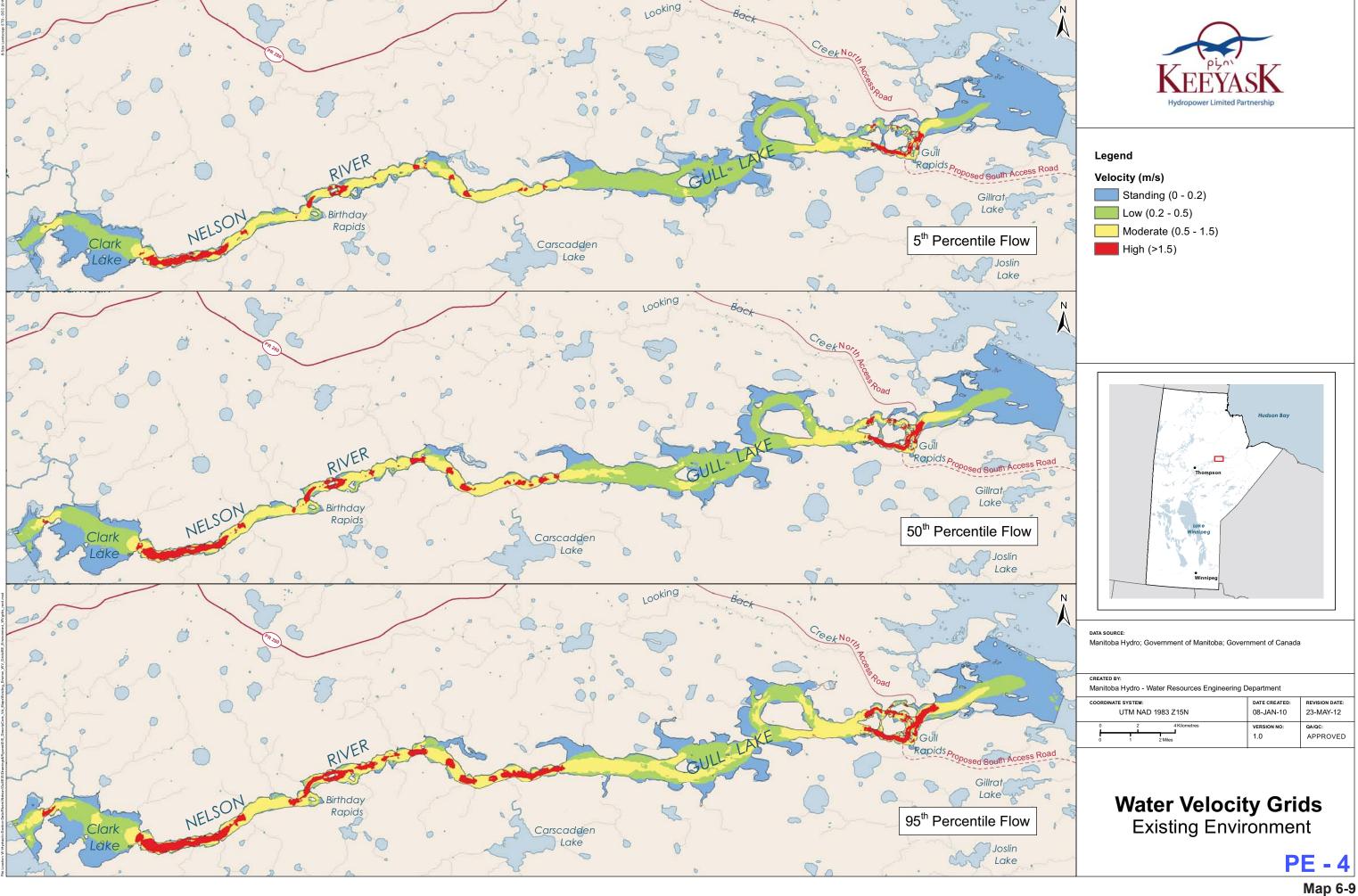
## Physical Environment Maps

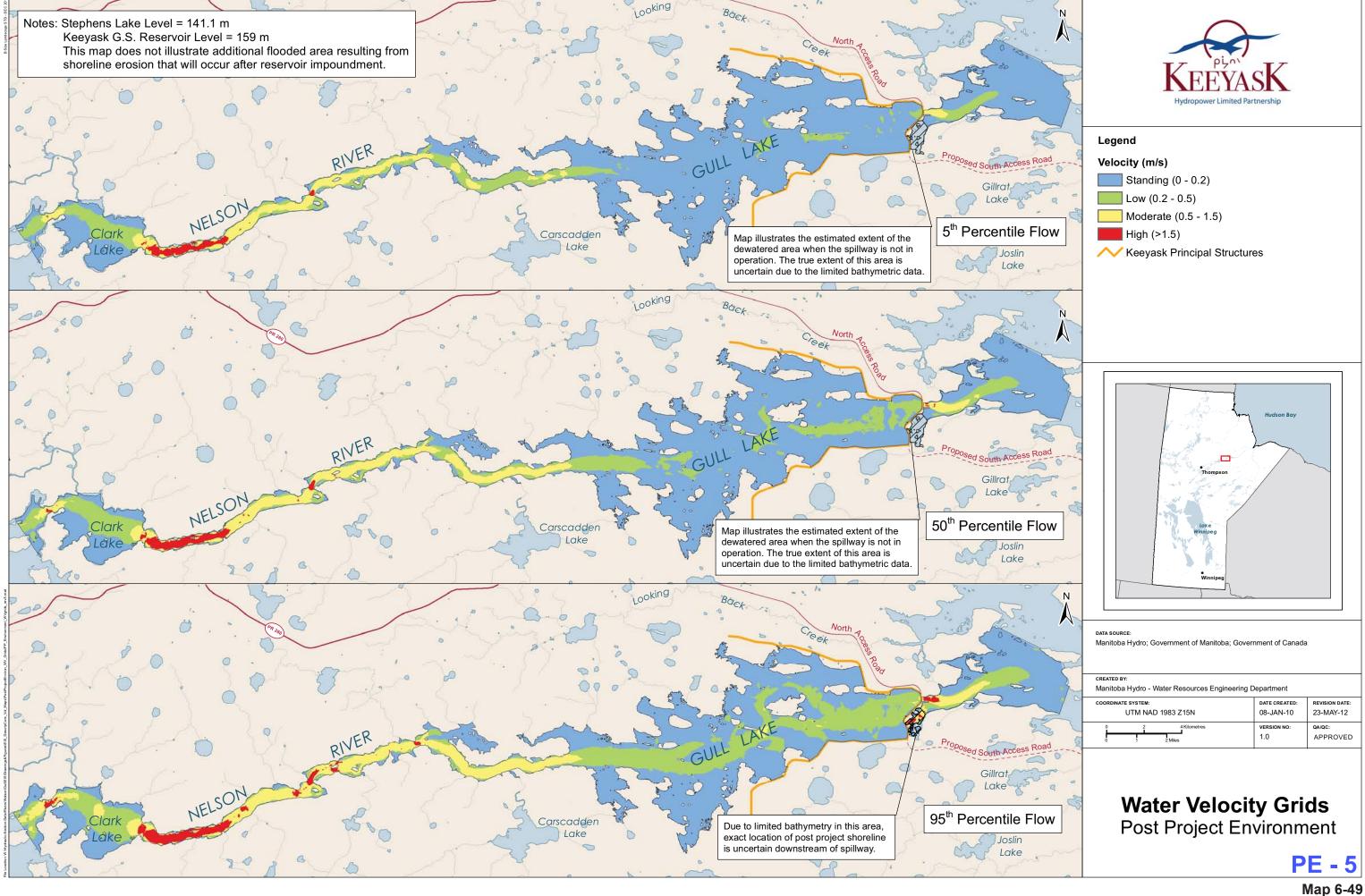
Physical Environment Maps			
PE - 1	Water Surface Profiles and Flooded Area		
PE - 2	Water Depth Grids – Existing Environment		
PE - 3	Water Depth Grids – Post Project Environment		
PE - 4	Water Velocity Grids – Existing Environment		
PE - 5	Water Velocity Grids – Post Project Environment		
PE - 6	Peatland Disintegration and Erosion - Western Upstream Reaches – During First 30 Years of Operation		
PE - 7	Peatland Disintegration and Erosion - Eastern Upstream Reaches – During First 30 Years of Operation		

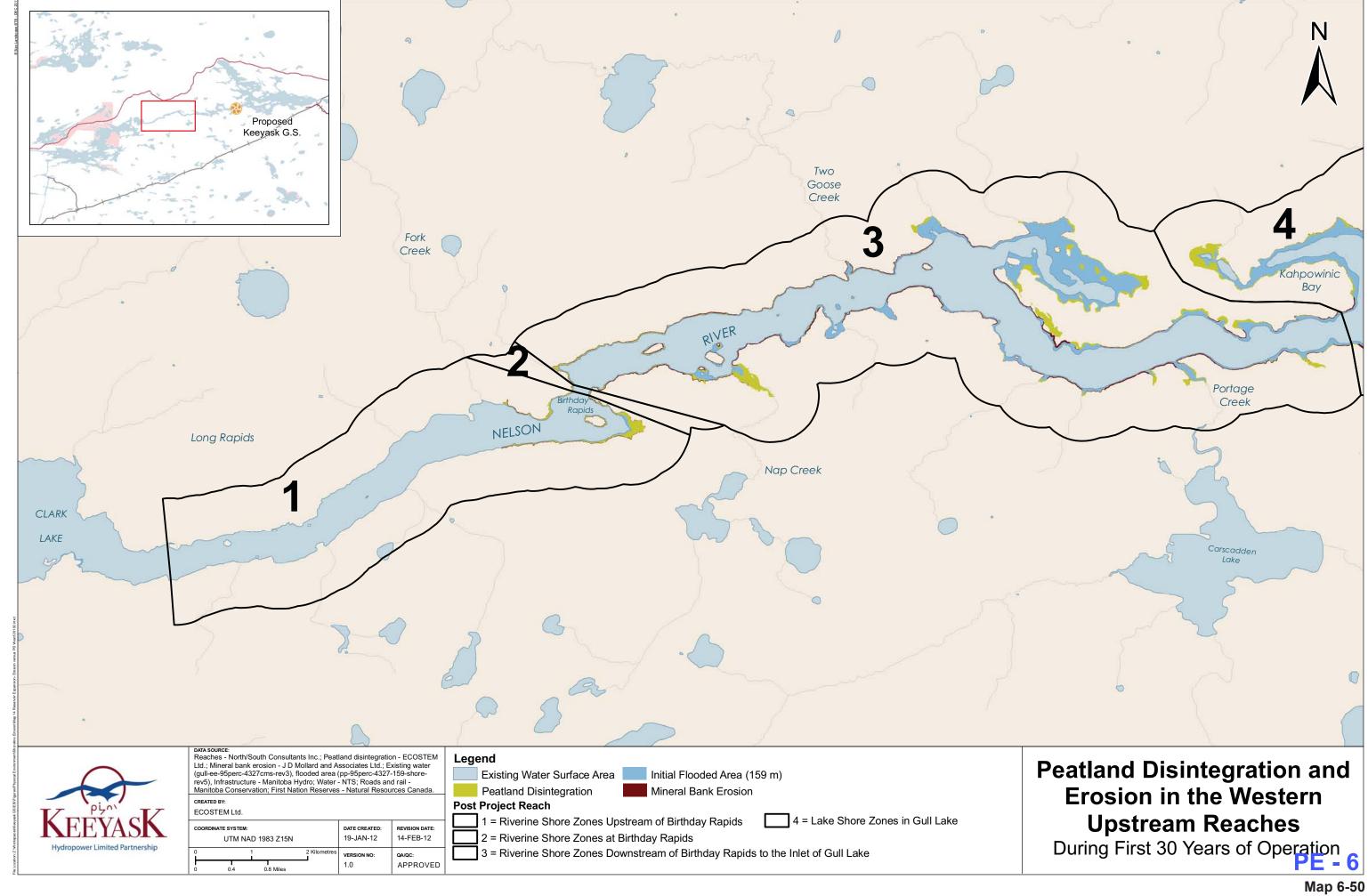


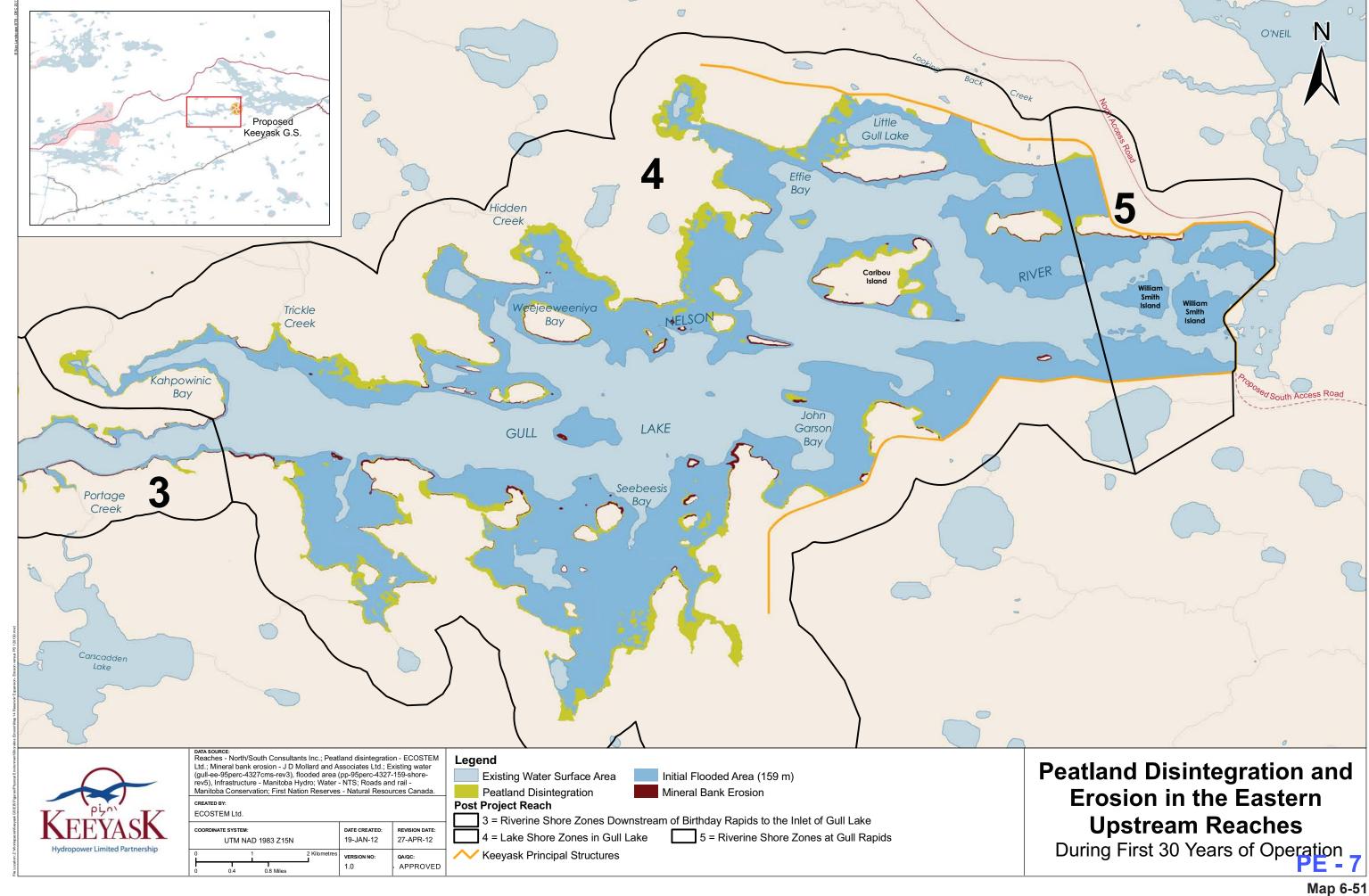














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