

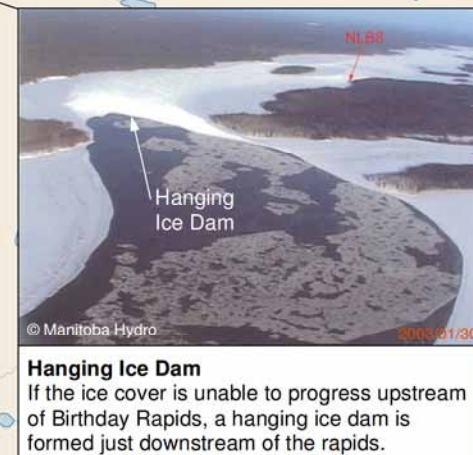
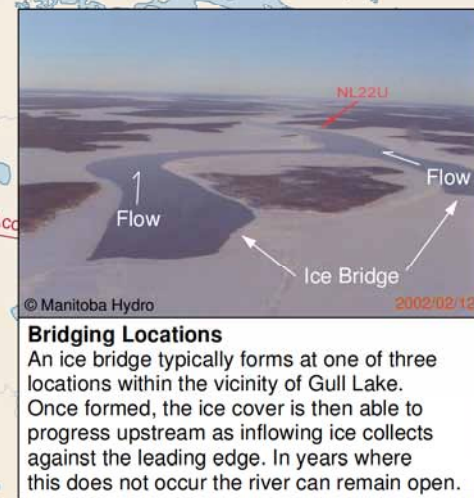


Keeyask Generation Project Environmental Impact Statement

Supporting Volume Physical Environment



June 2012



DATA SOURCE:
Photos from Manitoba Hydro
Ice condition data from KGS Acres Ltd., 2010

CREATED BY:
KGS Acres Ltd.

COORDINATE SYSTEM: UTM NAD 1983 Z15N	DATE CREATED: 16-MAY-12	REVISION DATE: 16-MAY-12
VERSION NO.: 1.0	QA/QC: APPROVED	

0 1.5 3 Kilometres
0 1 2 Miles

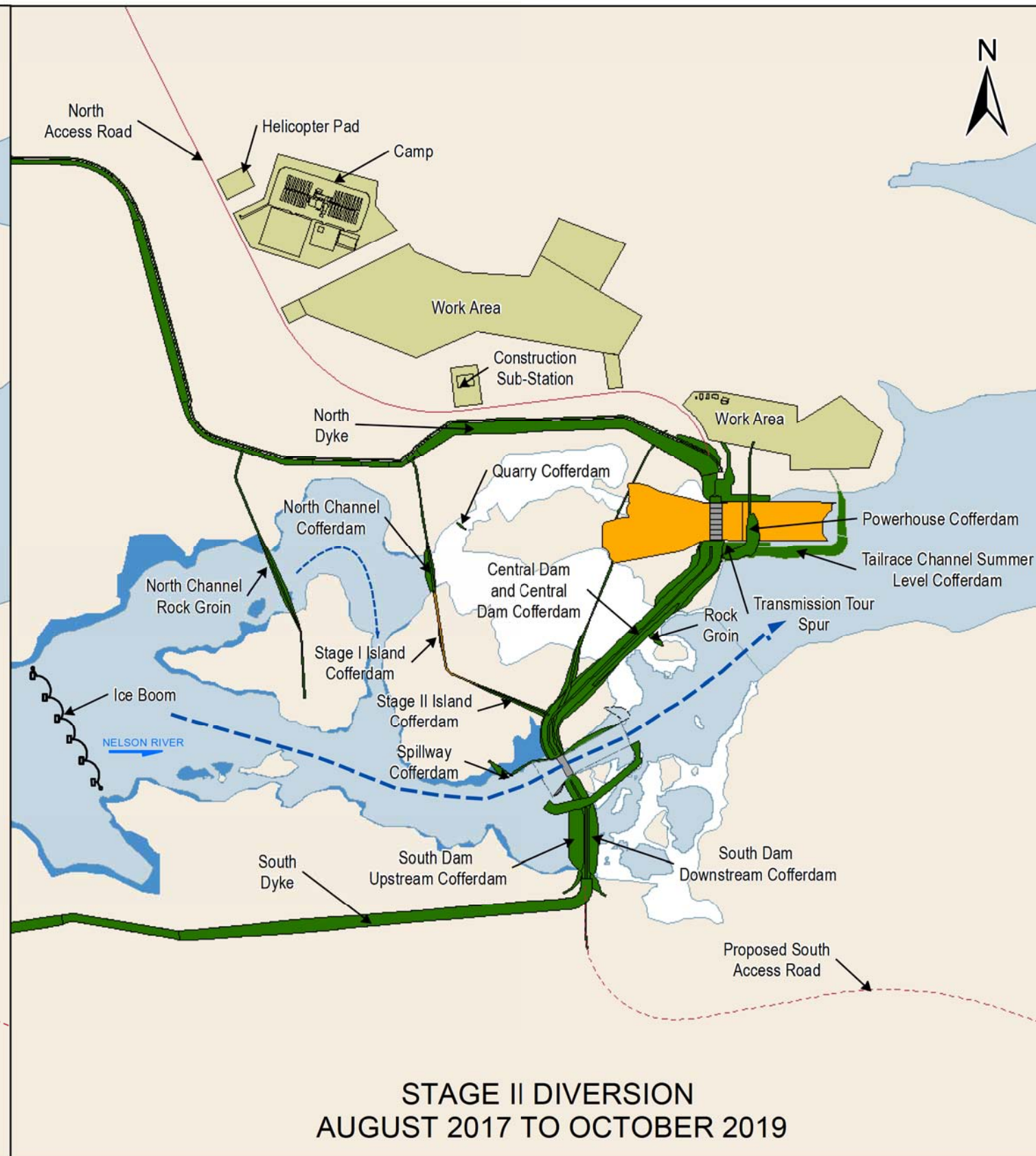
Legend

Hanging Ice Dams	Anchor Ice Location	Proposed Access Road
Border Ice	Keeyask Principal Structures	Rail
Waterbody	Highway	Rivers
Bridging Locations	Access Road	

Overview of Existing Environment Ice Processes Between Split Lake and Stephens Lake



STAGE I DIVERSION
JUNE 2014 TO JULY 2017



STAGE II DIVERSION
AUGUST 2017 TO OCTOBER 2019

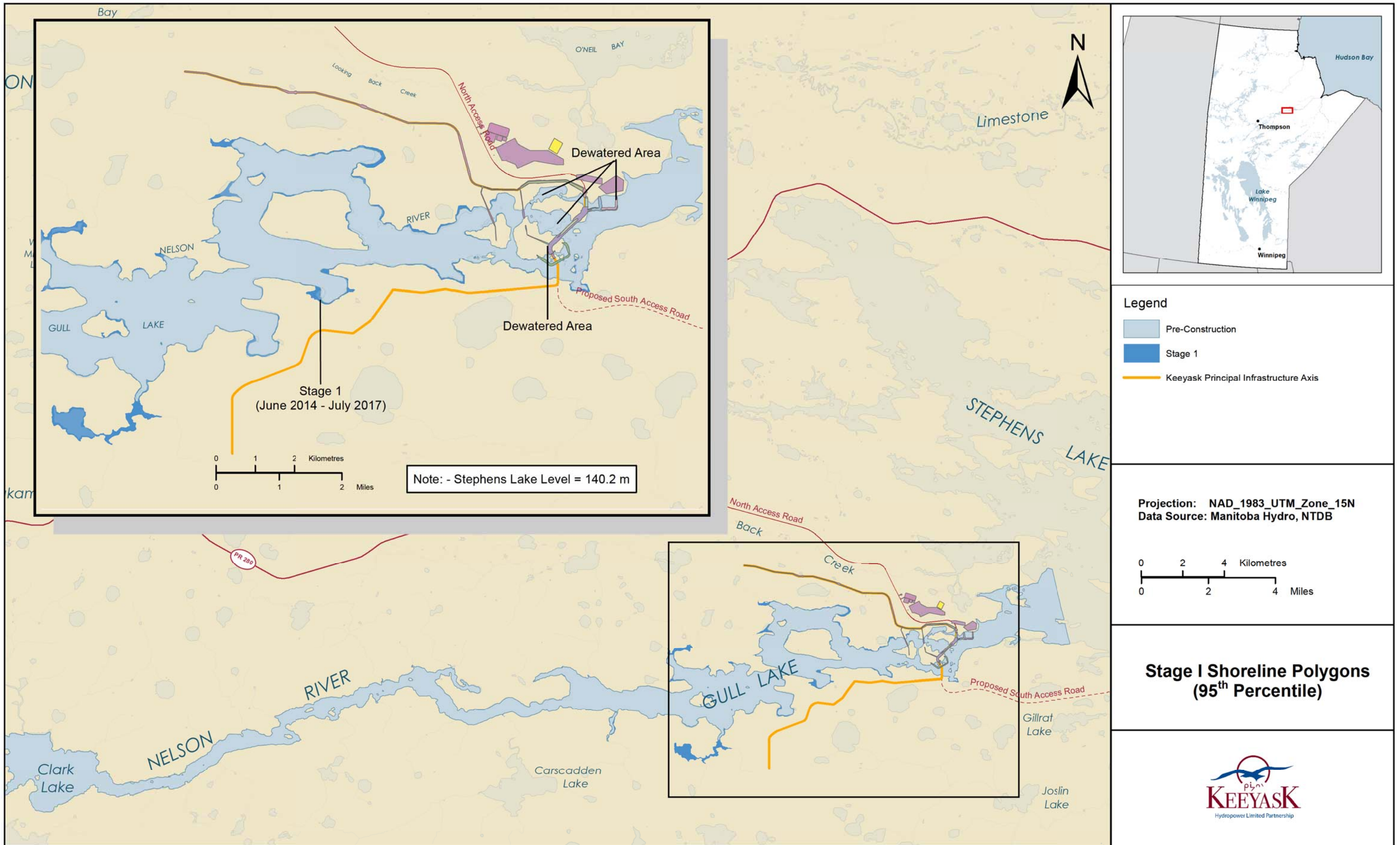


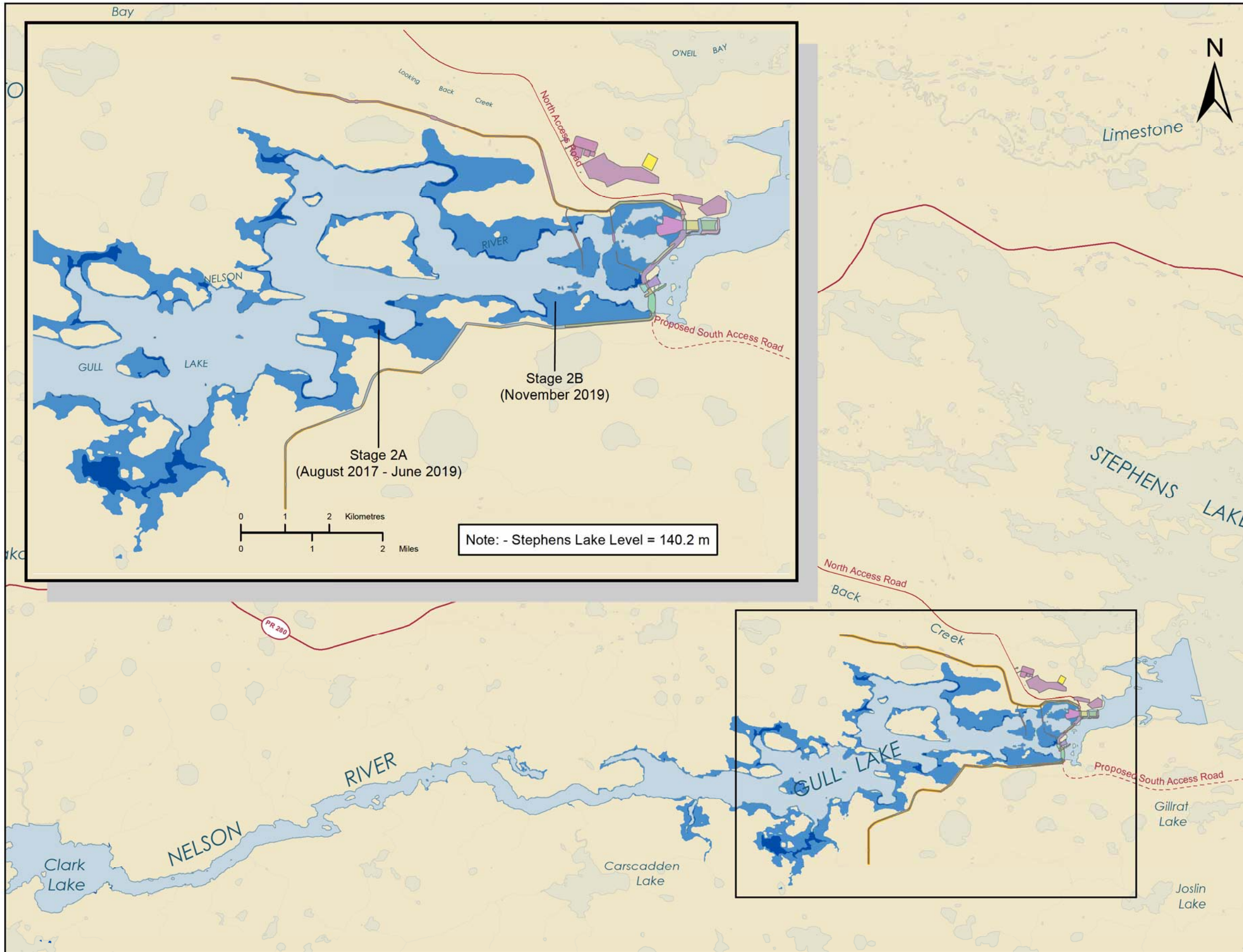
DATA SOURCE: Manitoba Hydro; Government of Manitoba; Government of Canada; KGS Acres Ltd.; Manitoba Hydro - Water Resource Engineering		
CREATED BY: Manitoba Hydro - Hydro Power Planning - GIS & Special Studies		
COORDINATE SYSTEM: UTM NAD 1983 Z15N	DATE CREATED: 13-FEB-12	REVISION DATE: 13-JUN-12
0 0.3 0.5 Kilometres 0 0.25 0.5 Miles	VERSION NO.: 1.0	QA/QC: APPROVED

Legend

- Work Area and Construction Camp
- Earthfill Structure (Complete)
- Bedrock Excavation Area
- Concrete/Steel Structure
- Dewatered Area
- Existing Water Surface Area
- Flooded Area
- Access Road
- Proposed Access Road

**Stage I and II
River Diversion**





Legend

- Pre-Construction
- Stage 2A
- Stage 2B
- Keeyask Principal Infrastructure Axis

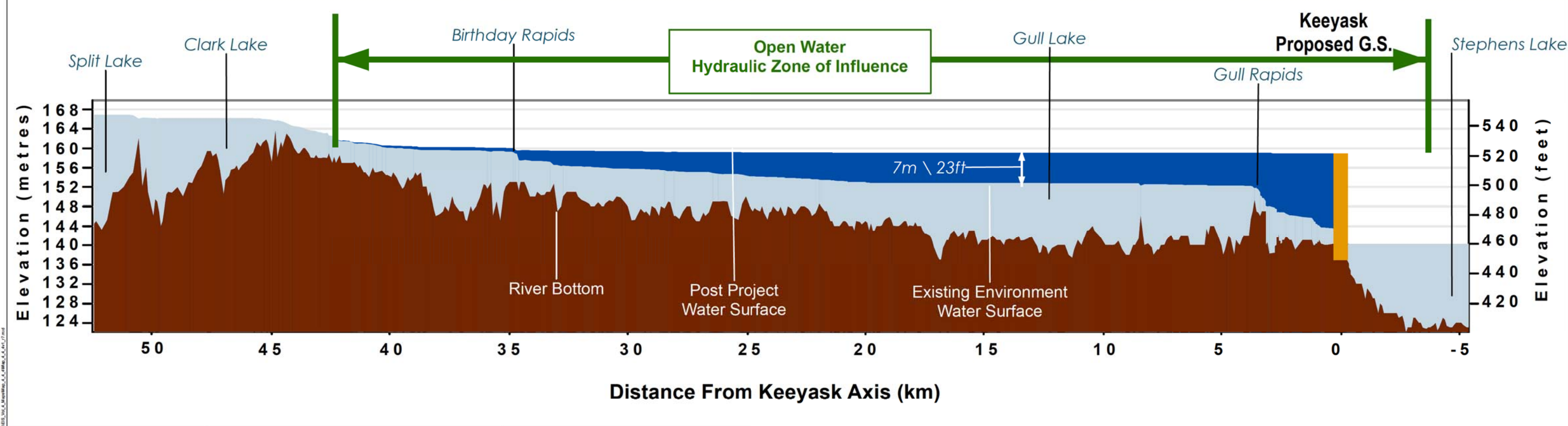
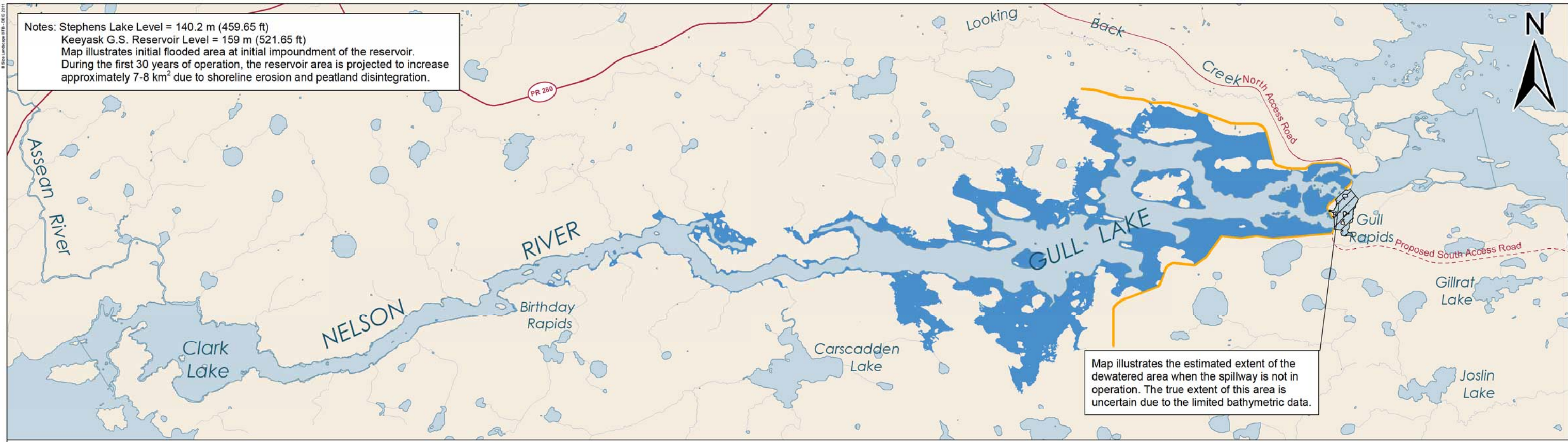
Projection: NAD_1983_UTM_Zone_15N
Data Source: Manitoba Hydro, NTDB

0 2 4 Kilometres

0 2 4 Miles

Stage II Shoreline Polygons (95th Percentile)





	DATA SOURCE: Government of Canada; Government of Manitoba; Manitoba Hydro: gull-ee-50perc-3032cms-rev3; pp-50perc-3032-159-shore-rev3; pp-DS-50perc-3030-140p2-shore-rev1			Legend Existing Environment Post Project Keeyask Principal Structures	Note: 50 th Percentile, Open Water Flow Existing Environment and Post-Project Environment	<h2>Water Surface Profiles and Flooded Area</h2>
	CREATED BY: Manitoba Hydro - Water Resources Engineering Department					
	COORDINATE SYSTEM: UTM NAD 1983 Z15N	DATE CREATED: 26-Jan-10	REVISION DATE: 25-MAY-12			
		VERSION NO.: 1.0	QA/QC: APPROVED			