

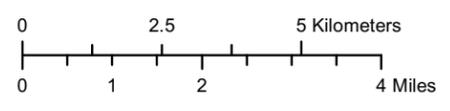
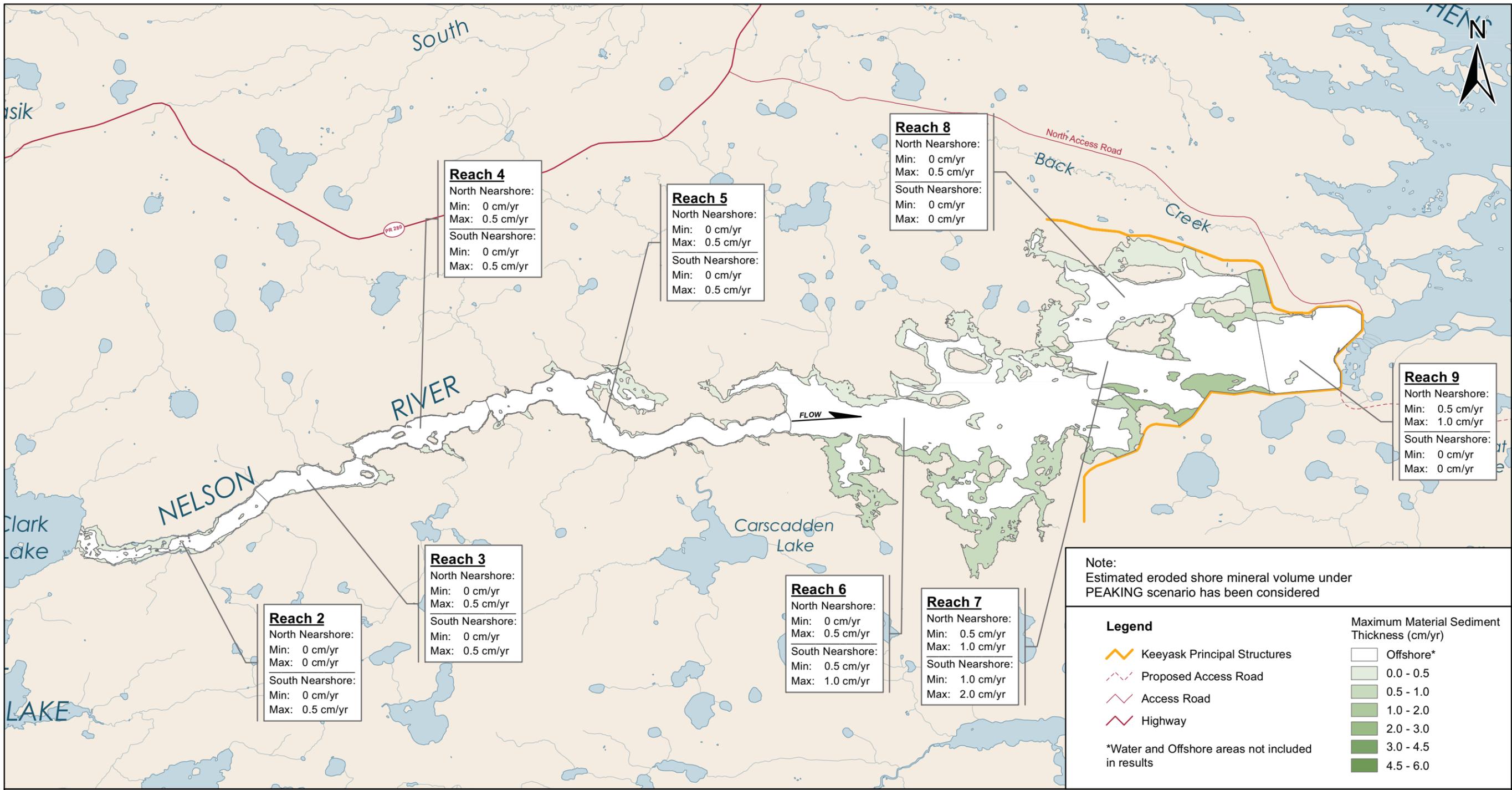


Keeyask Generation Project Environmental Impact Statement

Supporting Volume Physical Environment

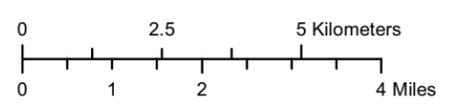
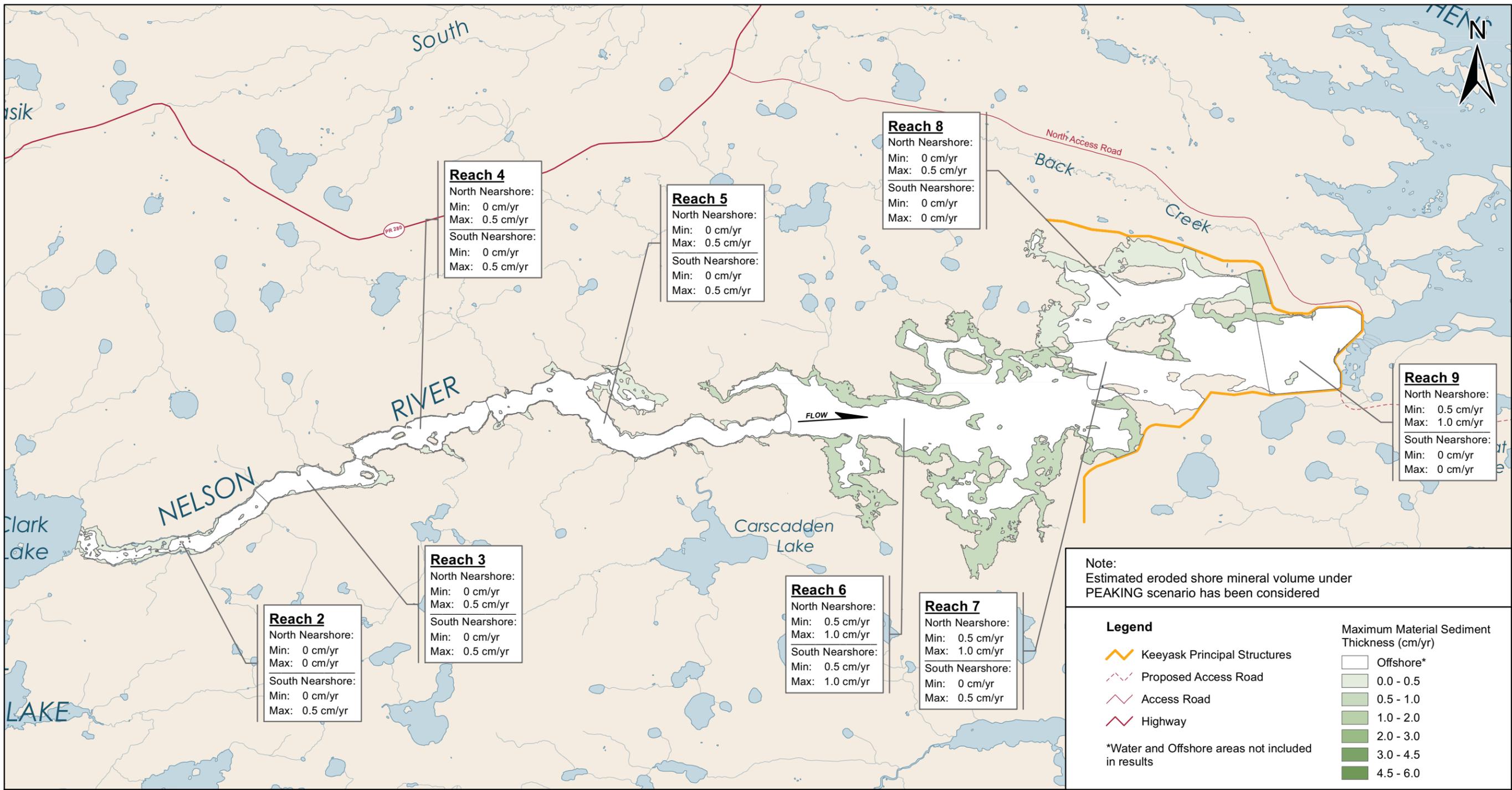


June 2012



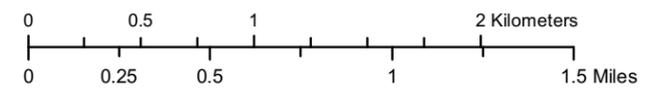
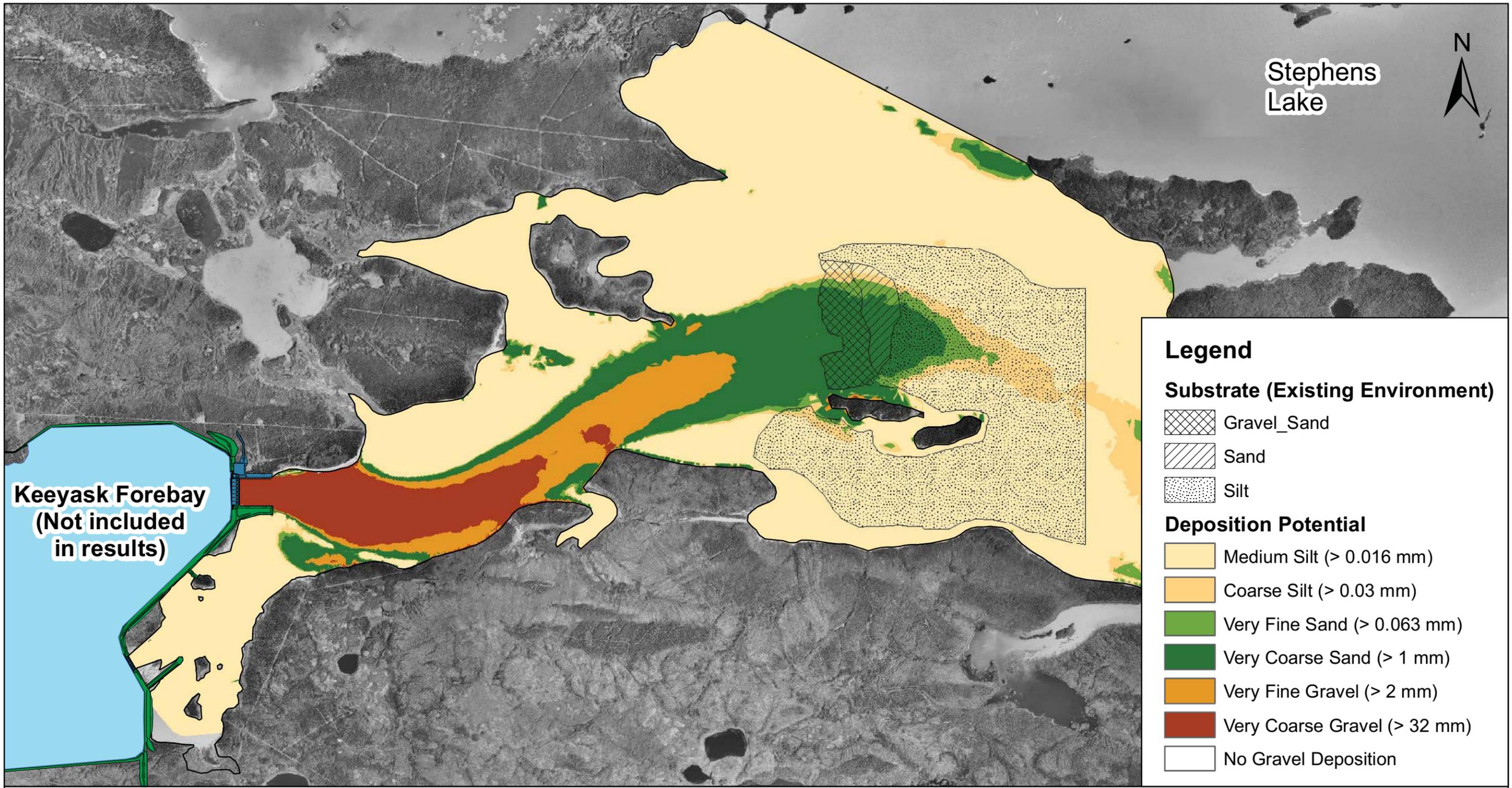
Projection: Universal Transverse Mercator Zone 15N, NAD 83
 Data Source:
 1. Lakes and Rivers Provided by Geogratis, 2004

Nearshore Mineral Sediment Deposition Year 15 after Impoundment (Peaking)



Projection: Universal Transverse Mercator Zone 15N, NAD 83
 Data Source:
 1. Lakes and Rivers Provided by Geogratix, 2004

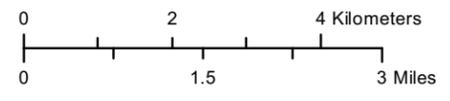
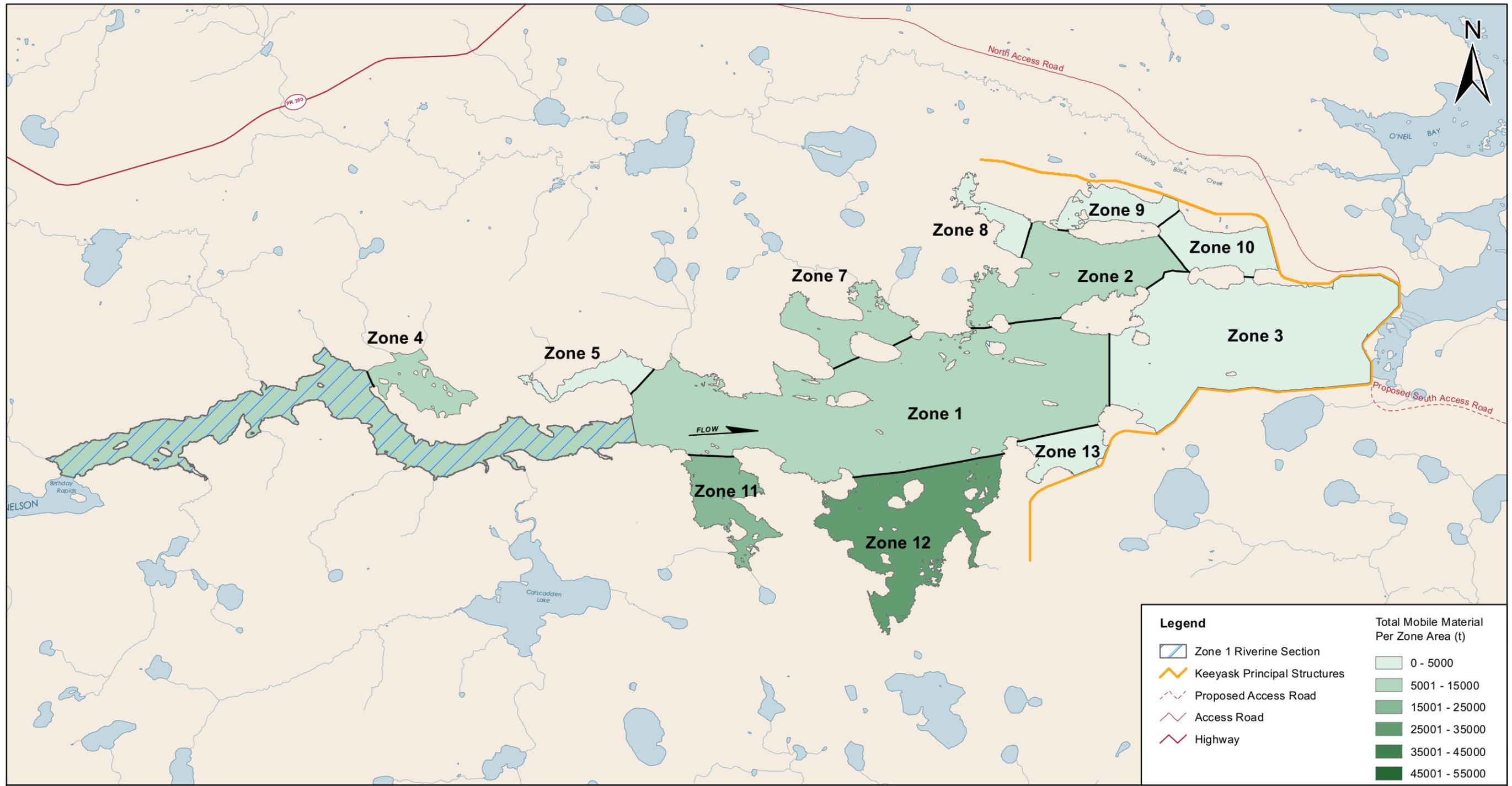
Nearshore Mineral Sediment Deposition Year 30 after Impoundment (Peaking)



Projection: Universal Transverse Mercator Zone 15N, NAD83
 Data Sources:
 1. Preliminary Keeyask Existing Environment Substrate provided by North-South Consultants, 2011
 2. Air Photos provided by Manitoba Hydro, 2006
 3. Shoreline created by KGS Acres for reference only

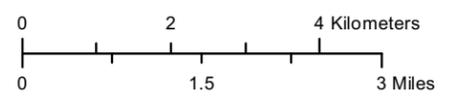
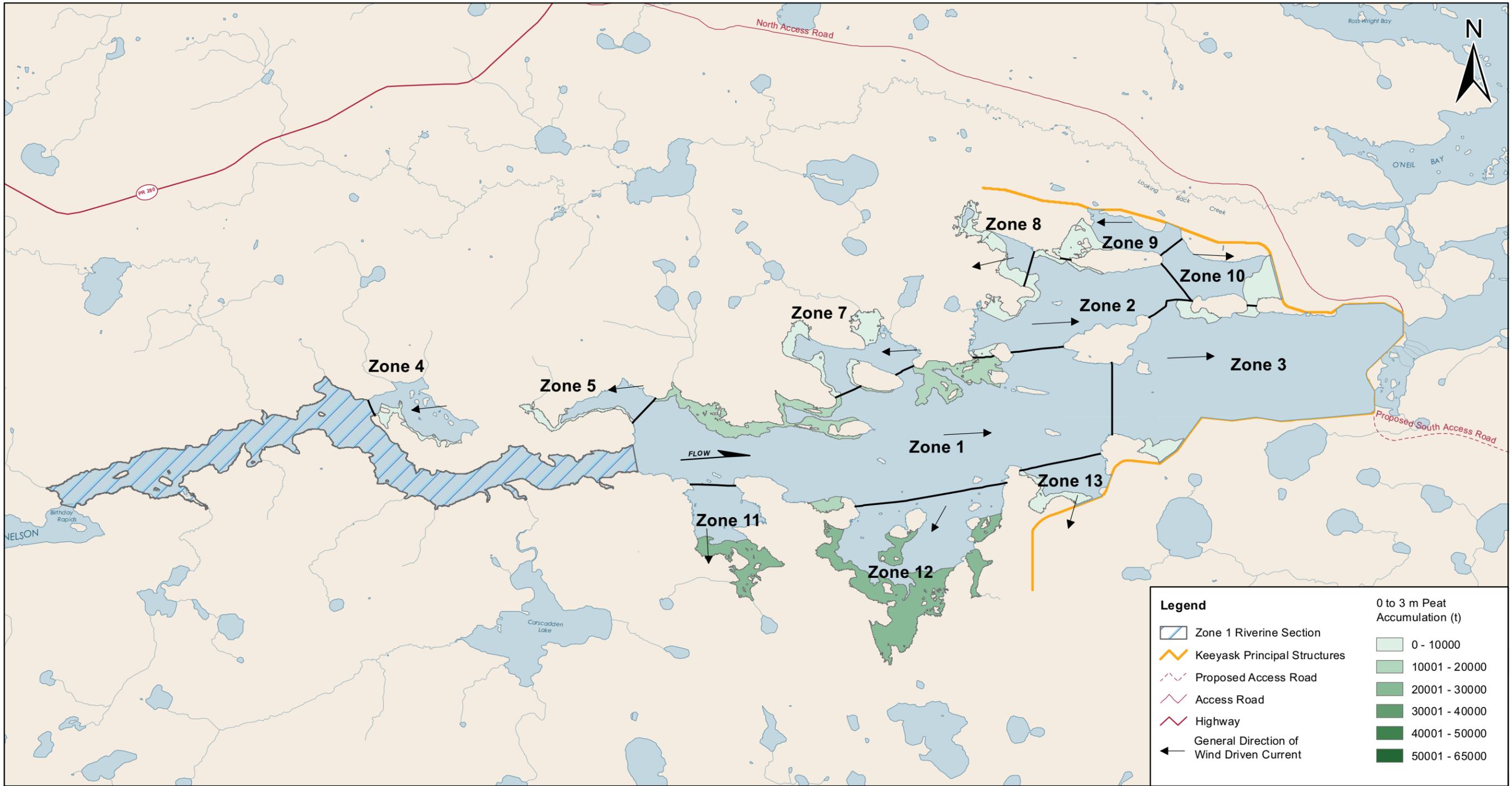
FOR GENERAL REFERENCE ONLY

Deposition Potential - Post-Project Environment
All 7 Units Best Gate
Stephens Lake Level = 141.1 m



Projection: Universal Transverse Mercator Zone 15N, NAD 83
 Data Source:
 1. Lakes and Rivers Provided by Geogratis, 2004

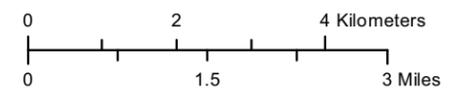
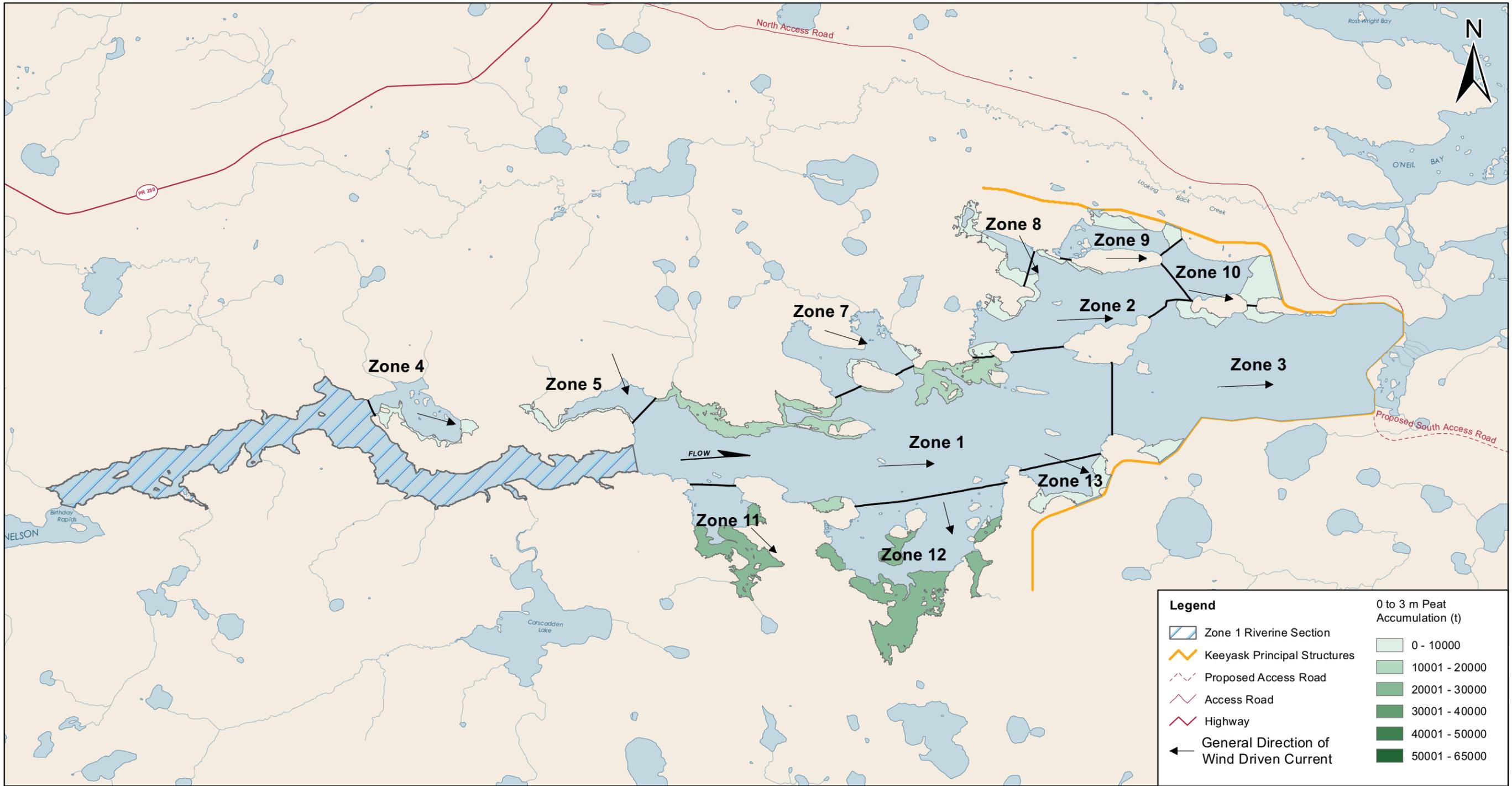
Total Mobile Organic Material in Each Zone Year 1 after Impoundment



Projection: Universal Transverse Mercator Zone 15N, NAD 83
 Data Source:
 1. Lakes and Rivers Provided by Geogratis, 2004

Peat Transport by Wind Driven Current

Year 1 after Impoundment May to July



Projection: Universal Transverse Mercator Zone 15N, NAD 83
 Data Source:
 1. Lakes and Rivers Provided by Geogratis, 2004

Peat Transport by Wind Driven Current Year 1 after Impoundment August to October