

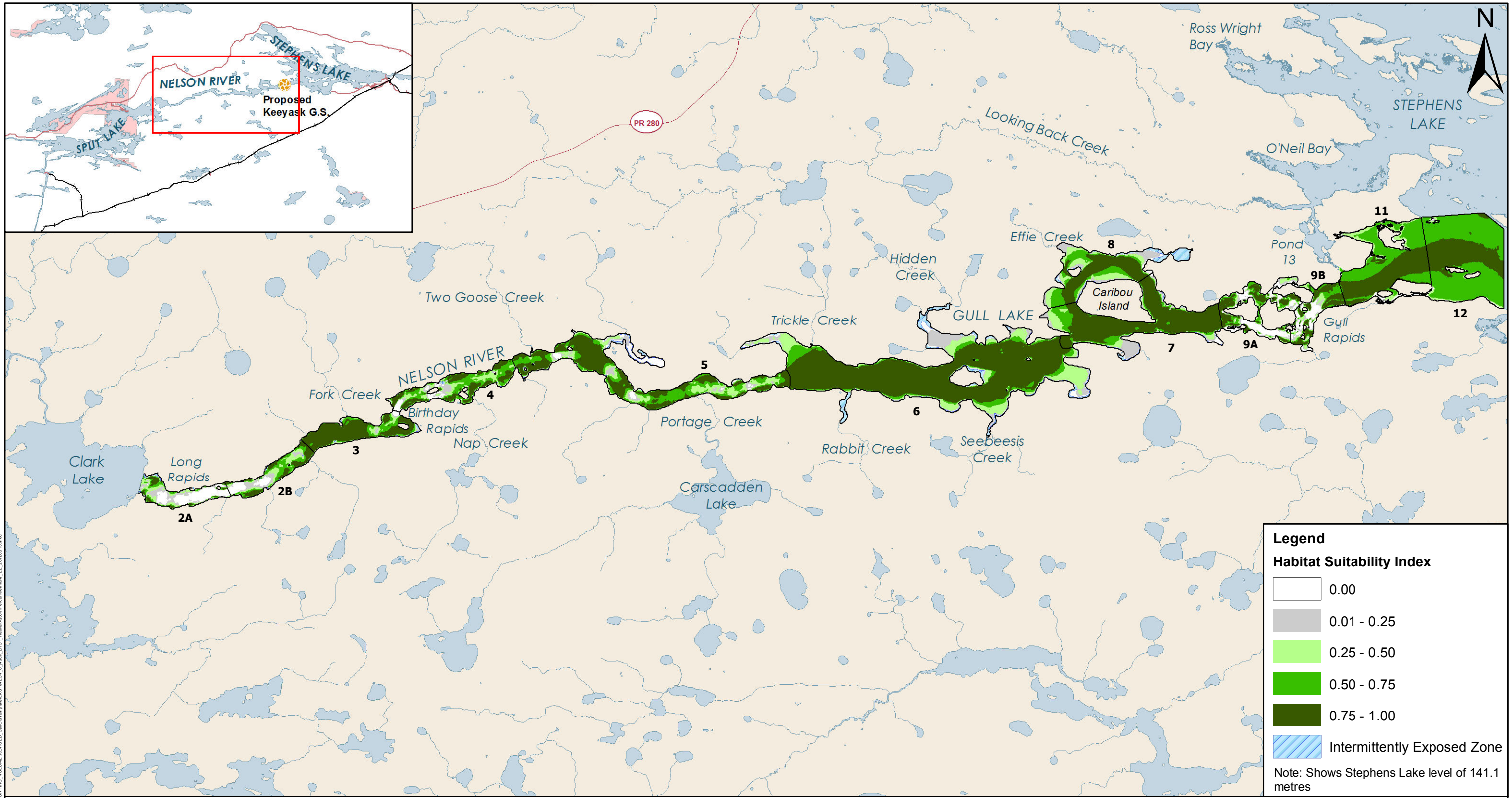


Keeyask Generation Project Environmental Impact Statement

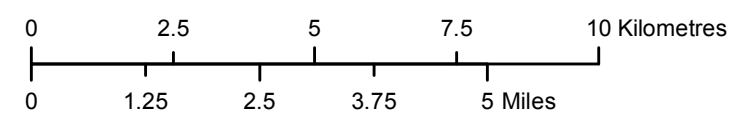
Supporting Volume Aquatic Environment



June 2012



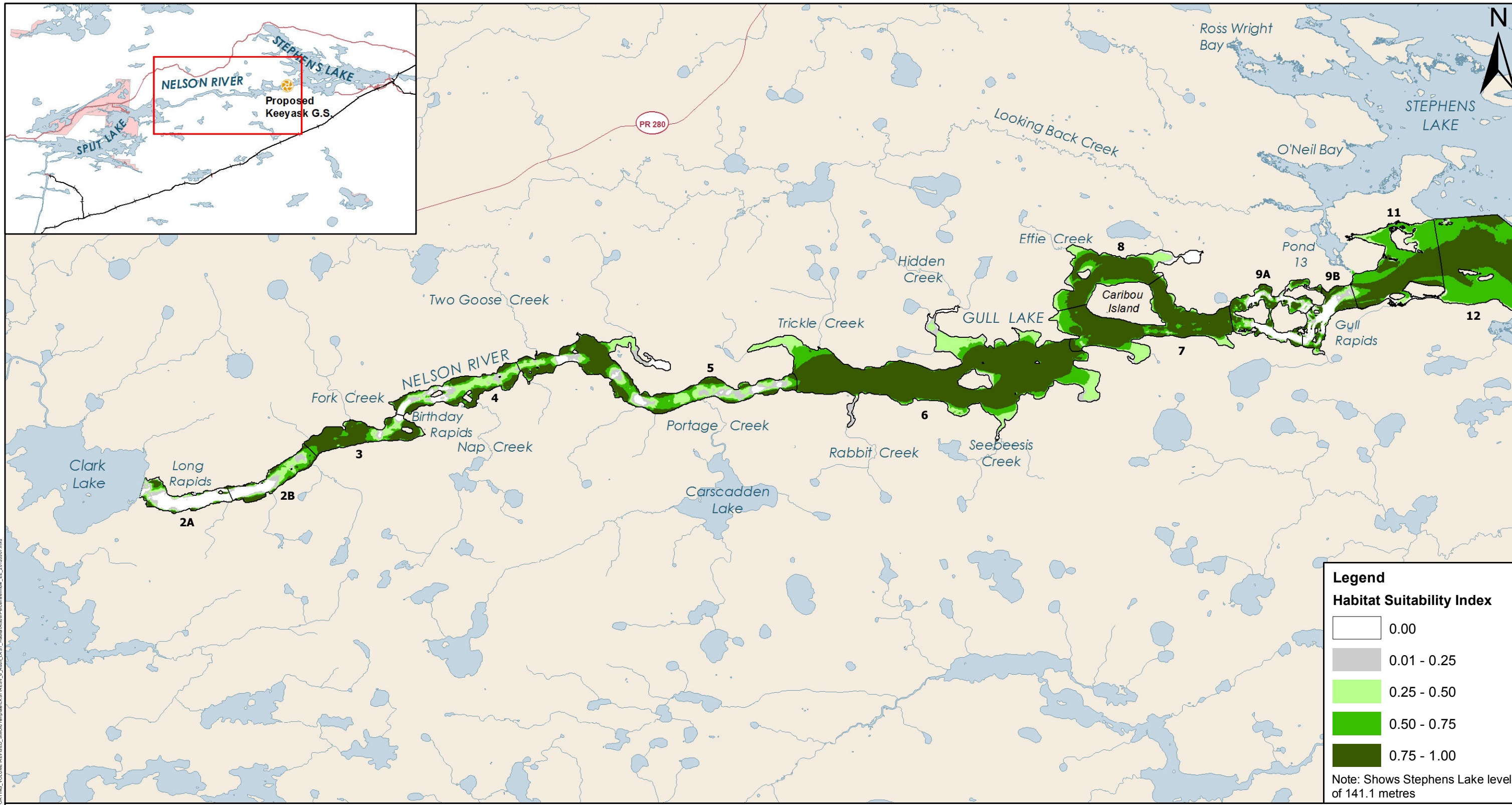
File Location: C:\ESB\Keyyask\Subarea_Maps\SUPPORTING_VOLUME\REVISED_SUPPORTING_MATERIALS\VIEW_6_Adult_Lake_Stephens_Lake_Shoreline.mxd
 Date: 20100515



Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@Digitalglobe, 2006
 Nelson River Shoreline modelled by Manitoba Hydro

Adult Lake Sturgeon Foraging Habitat at 50th Percentile Inflow

Existing Environment - Habitat Suitability Index Model



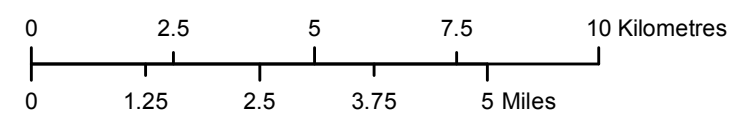
Legend

Habitat Suitability Index

0.00
0.01 - 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00

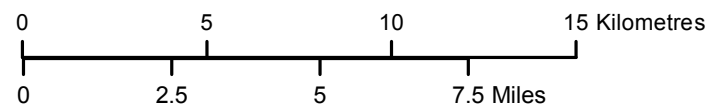
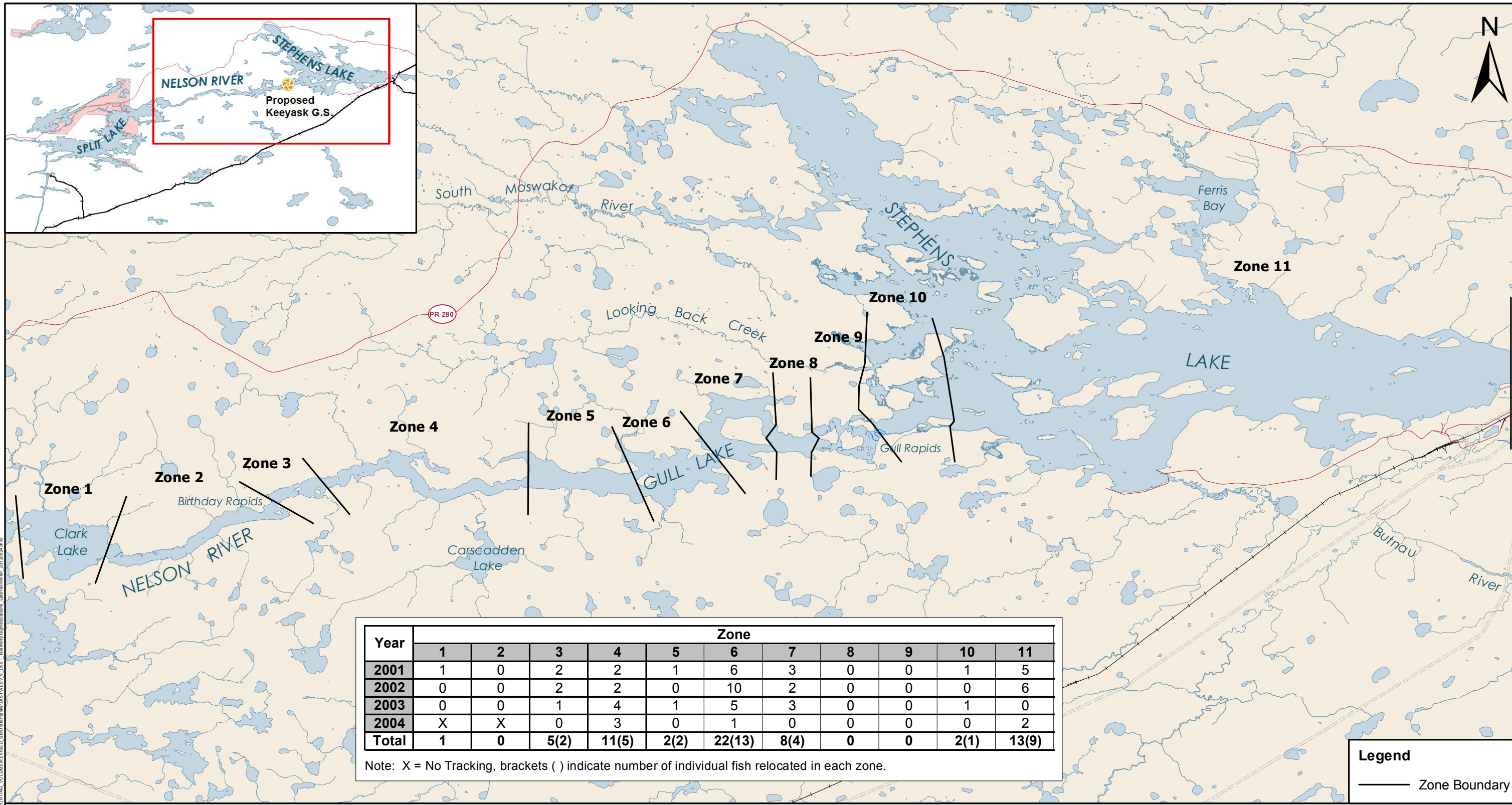
Note: Shows Stephens Lake level of 141.1 metres

File Location: G:\EEB\Keyyask\Subarea_Maps\SUPPORTING_VOLUMES\REVISED_SAR\SAR\TEMP\MAPS\STAGEV_6_Adult_Lake_Stephens_Lake_Shoreline_EE_20100507.mxd



Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@Digitalglobe, 2006
 Nelson River Shoreline modelled by Manitoba Hydro

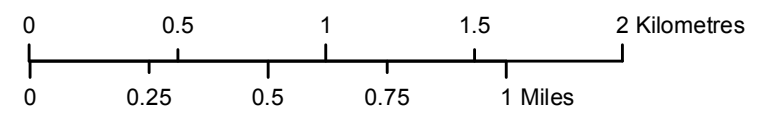
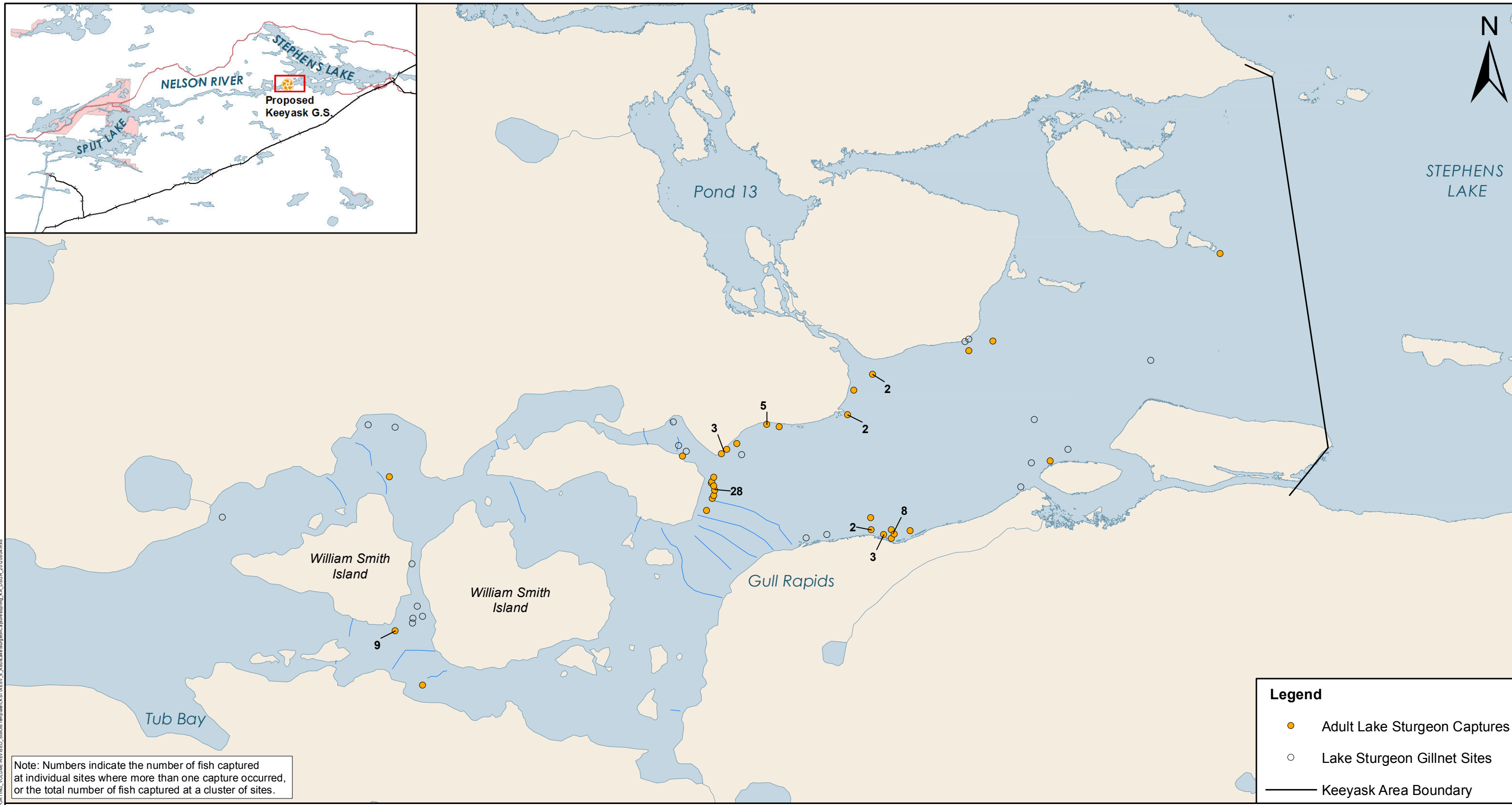
Adult Lake Sturgeon Foraging Habitat
at 95th Percentile Inflow
 Existing Environment - Habitat Suitability Index Model



Projection: UTM Zone 15, NAD 83
Data Source: NTS base 1:50 000

Lake Sturgeon Telemetry Tag Relocations - Late Fall/Winter

Legend
— Zone Boundary



Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000 and Quickbird @ Digitalglobe September 2, 2006

Adult Lake Sturgeon Captures - Spring

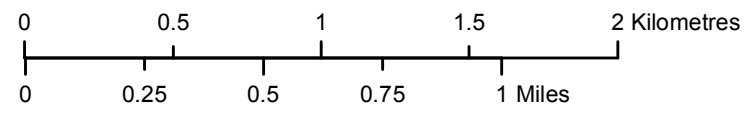
Keeyask Area - Downstream of Gull Rapids



Note: Numbers indicate the number of fish captured at individual sites where more than one capture occurred, or the total number of fish captured at a cluster of sites.

Legend

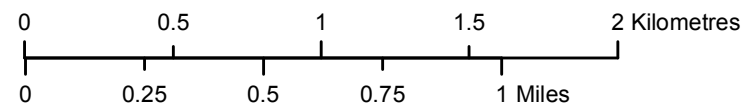
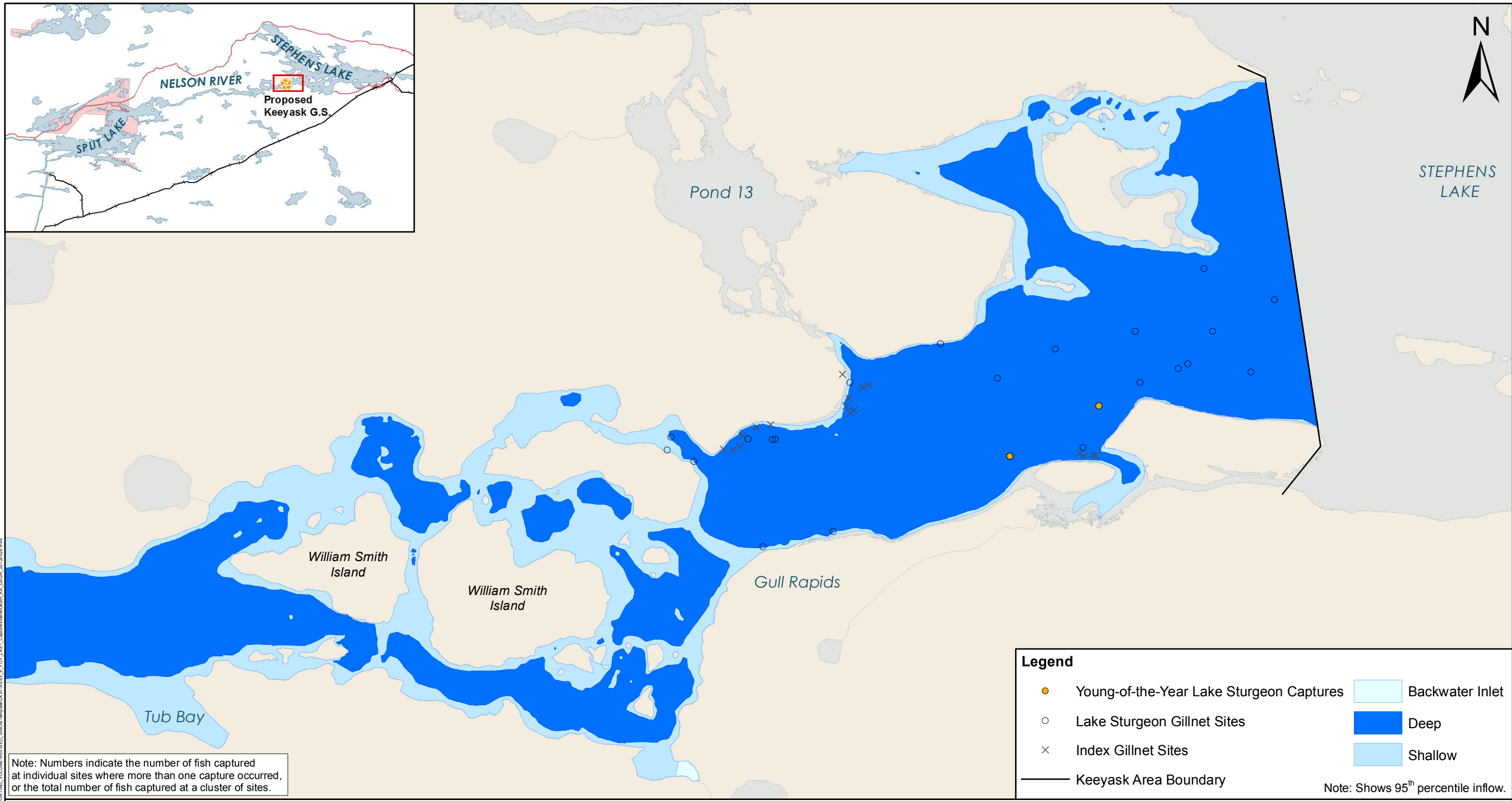
- Young-of-the-Year Lake Sturgeon Captures
- Lake Sturgeon Gillnet Sites
- × Index Gillnet Sites
- Keeyask Area Boundary



Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@Digitalglobe, 2006
 Nelson River Shoreline modelled by Manitoba Hydro.

Young-of-the-Year Lake Sturgeon Captures

Keeyask Area - Downstream of Gull Rapids



Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@DigitalGlobe, 2006
 Nelson River Shoreline modelled by Manitoba Hydro
 Existing Environment 95th percentile inflow

Young-of-the-Year Lake Sturgeon Captures Water Depth

Keeyask Area - Downstream of Gull Rapids