

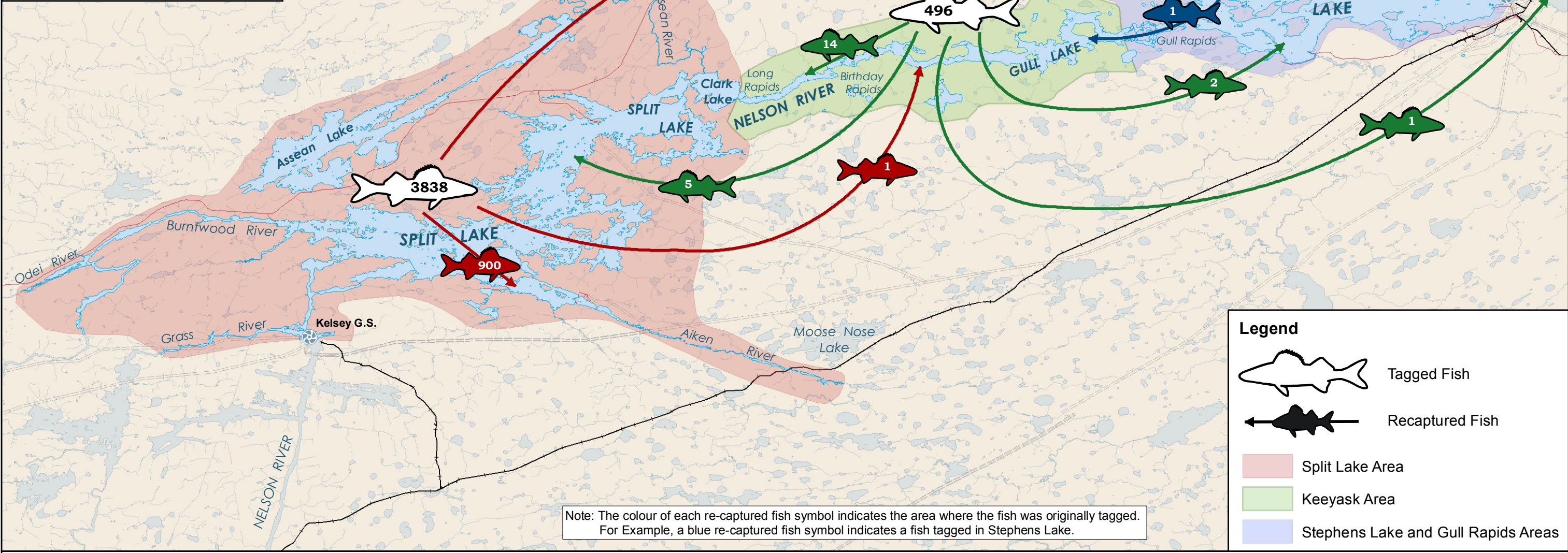
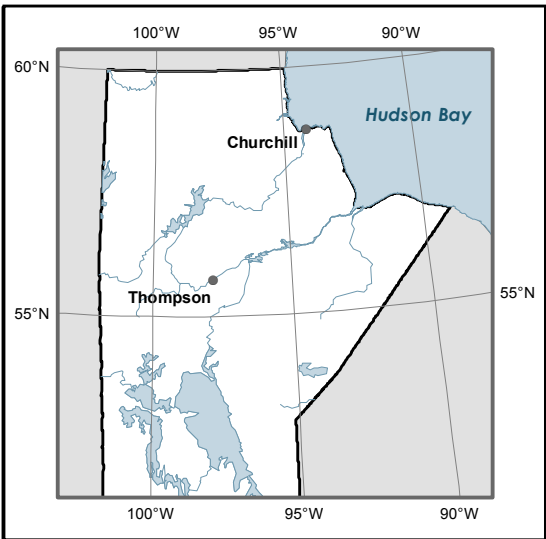


Keeyask Generation Project Environmental Impact Statement

Supporting Volume Aquatic Environment








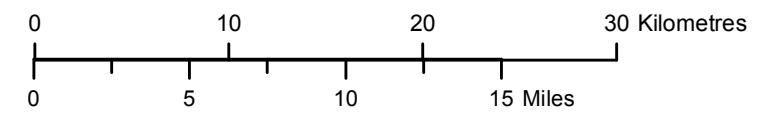
June 2012



Note: The colour of each re-captured fish symbol indicates the area where the fish was originally tagged. For Example, a blue re-captured fish symbol indicates a fish tagged in Stephens Lake.

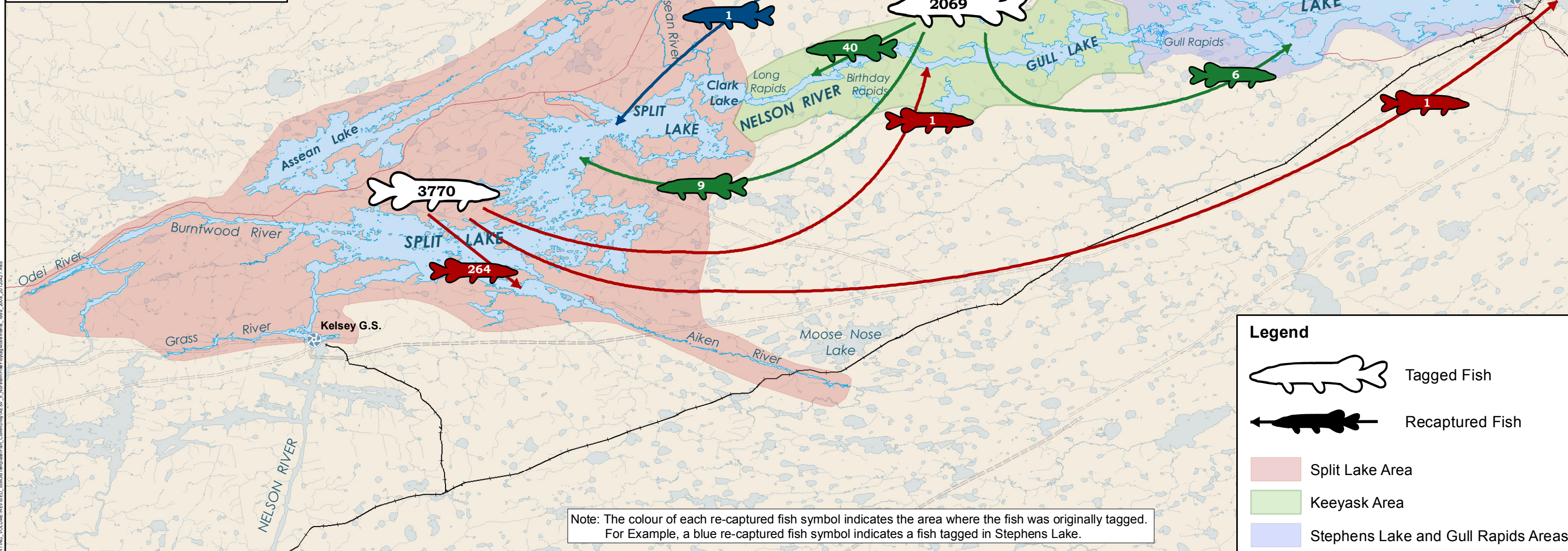
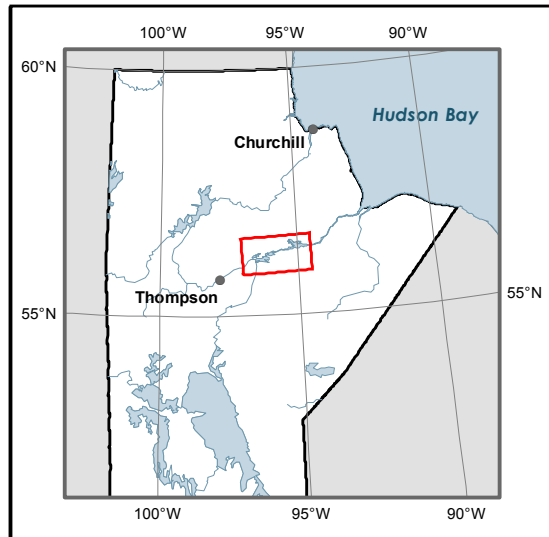
Legend

-  Tagged Fish
-  Recaptured Fish
-  Split Lake Area
-  Keeyask Area
-  Stephens Lake and Gull Rapids Areas



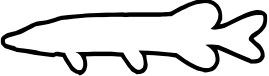




Projection: UTM Zone 15, NAD 83
Data Source: NTS base 1:50 000

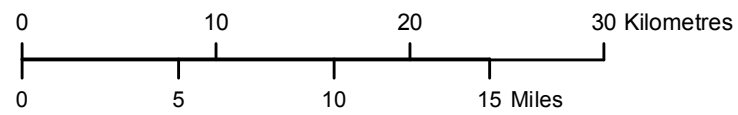
Walleye Floy-tag Movements 1999-2008



Note: The colour of each re-captured fish symbol indicates the area where the fish was originally tagged. For Example, a blue re-captured fish symbol indicates a fish tagged in Stephens Lake.

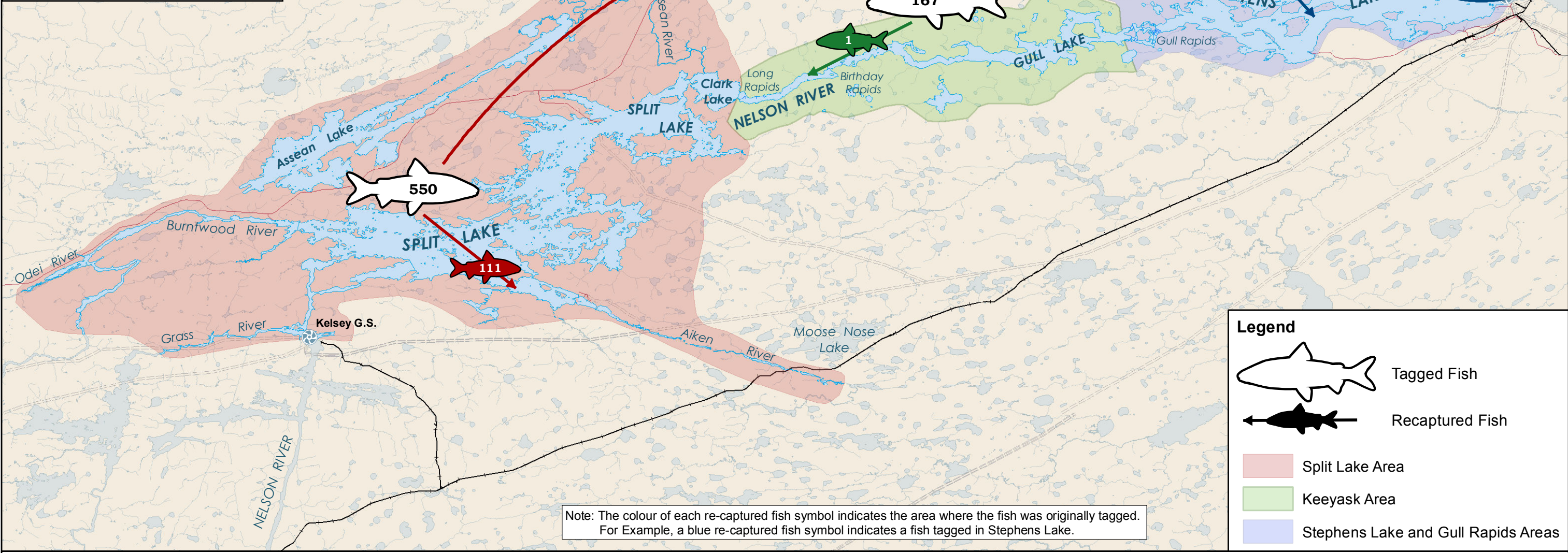
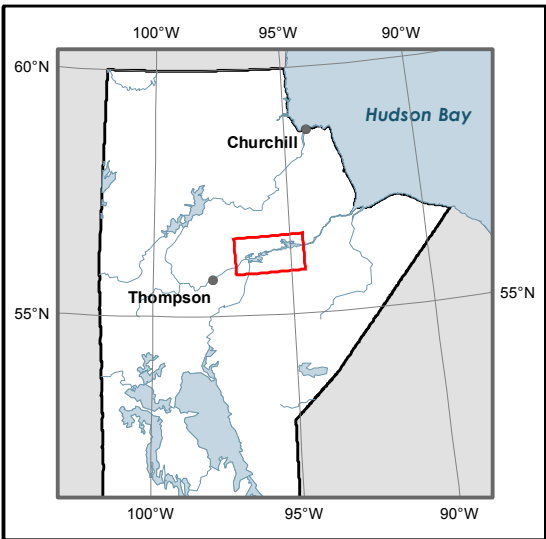
Legend

-  Tagged Fish
-  Recaptured Fish
-  Split Lake Area
-  Keeyask Area
-  Stephens Lake and Gull Rapids Areas








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

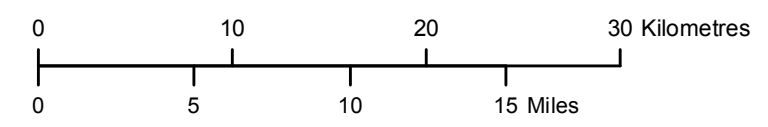
Northern Pike Floy-tag Movements 1999-2008



Note: The colour of each re-captured fish symbol indicates the area where the fish was originally tagged. For Example, a blue re-captured fish symbol indicates a fish tagged in Stephens Lake.

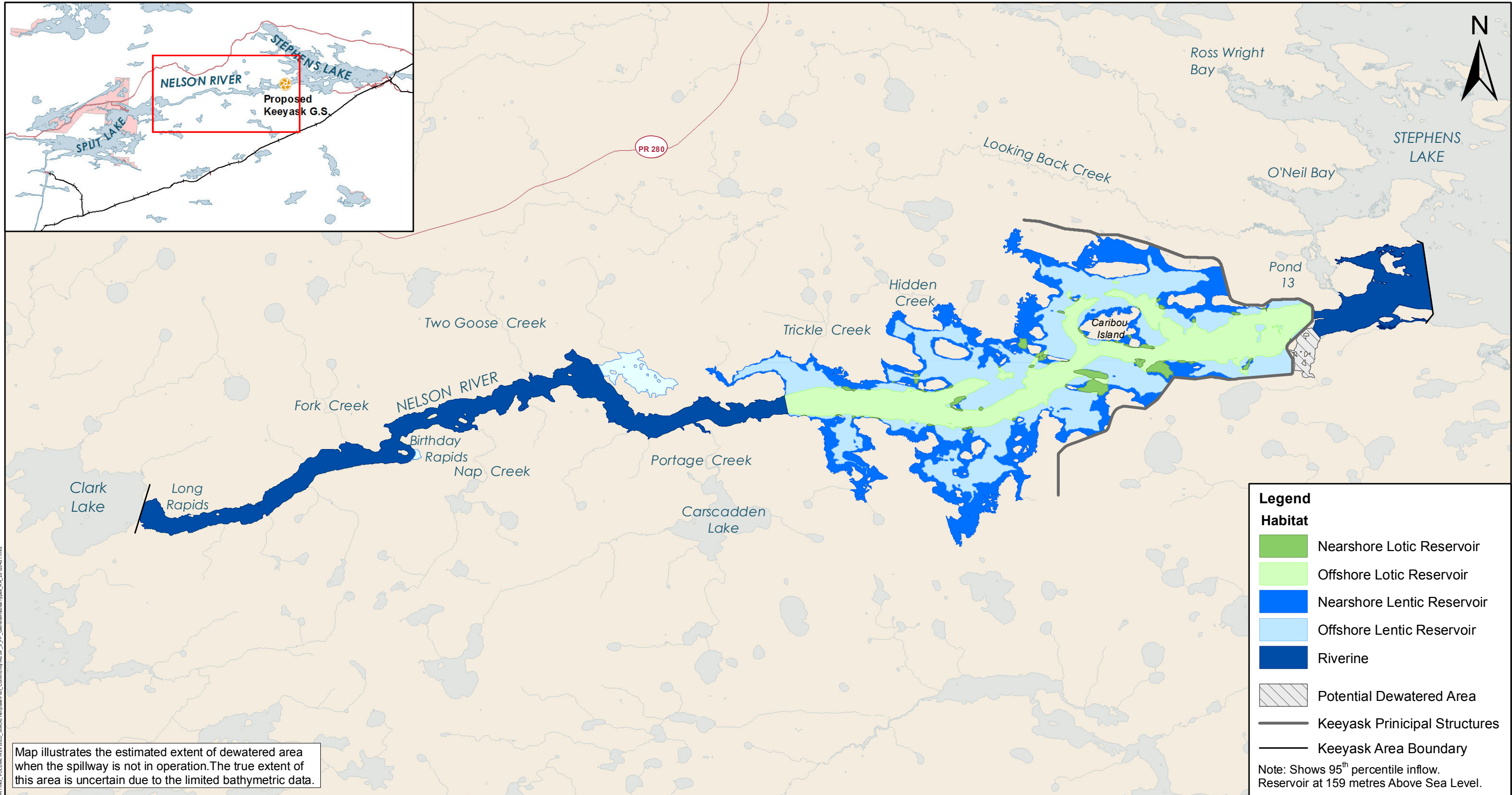
Legend

-  Tagged Fish
-  Recaptured Fish
-  Split Lake Area
-  Keeyask Area
-  Stephens Lake and Gull Rapids Areas



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

Lake Whitefish Floy-tag Movements 1999-2008



Map illustrates the estimated extent of dewatered area when the spillway is not in operation. The true extent of this area is uncertain due to the limited bathymetric data.

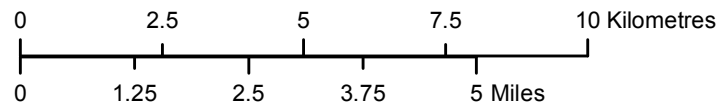
Legend

Habitat

- Nearshore Lotic Reservoir
- Offshore Lotic Reservoir
- Nearshore Lentic Reservoir
- Offshore Lentic Reservoir
- Riverine
- Potential Dewatered Area
- Keyask Principal Structures
- Keeyask Area Boundary

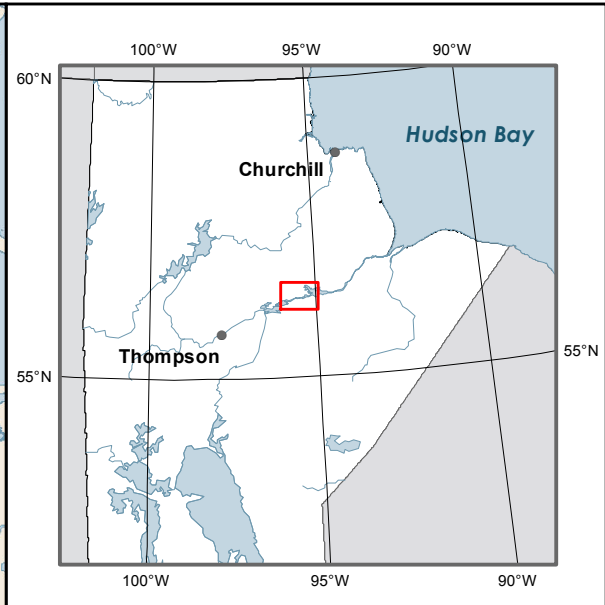
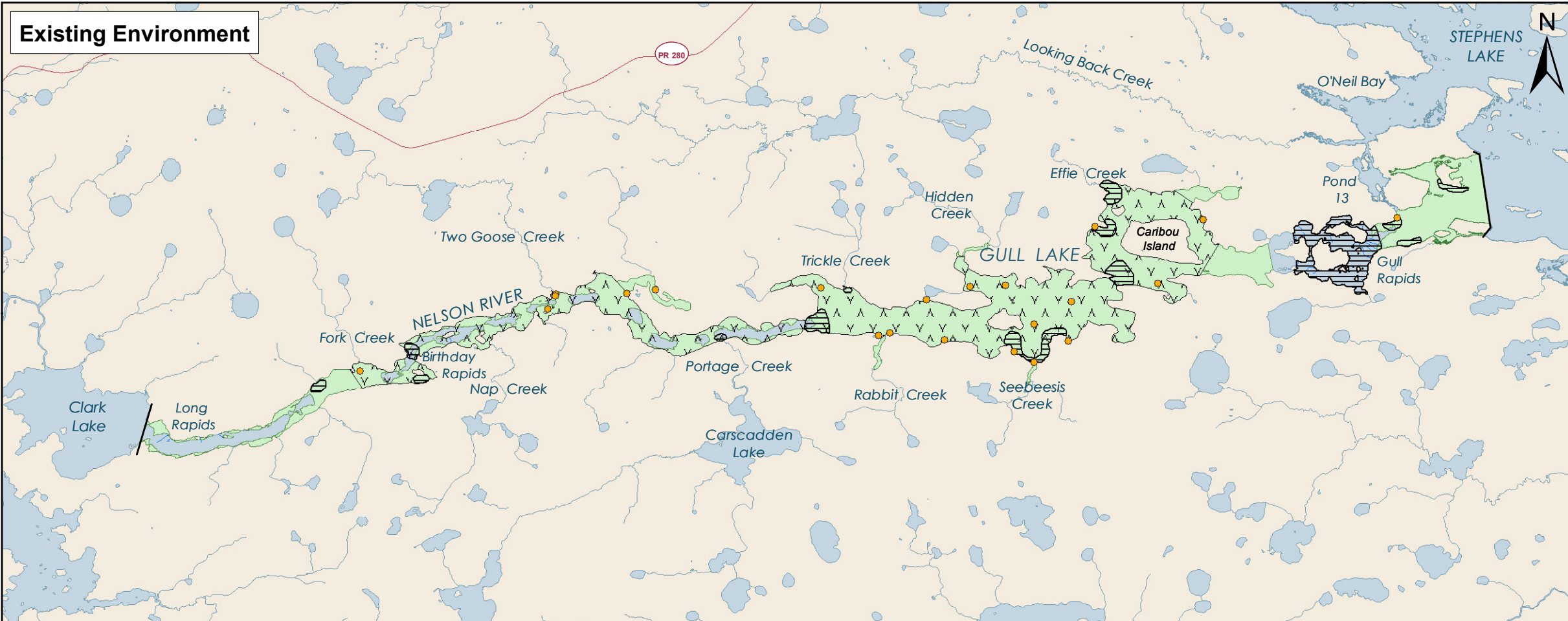
Note: Shows 95th percentile inflow. Reservoir at 159 metres Above Sea Level.

File Location: G:\ES\Keeyask\Subarea_Maps\Supporting_Volume\REVISED_Support\MapArea\Community\AESV_5_PP_General\MapArea\Types_KA_20100427.mxd



Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@Digitalglobe, 2006
 Nelson River Shoreline (95th percentile inflow) modelled by Manitoba Hydro. Extents of dewatered area are estimated based on the existing environment 95th percentile inflow.

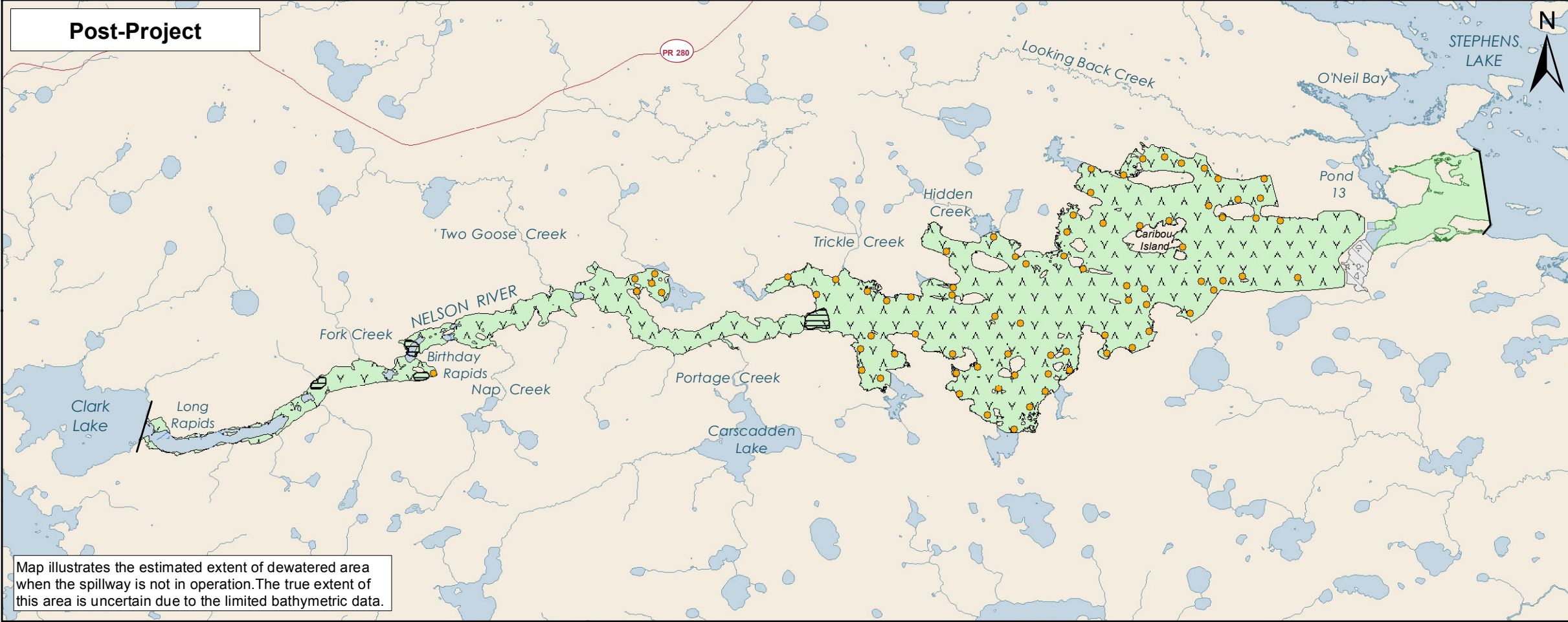
General Habitat Types Post-Project - Keeyask Area



Legend

- Rearing
- Spawning
- Foraging
- Overwintering
- Potential Dewatered Area
- Keyask Principal Structures
- Keyask Area Boundary

Note: Existing Environment and Post-Project frames show 95th percentile inflow. Extents of dewatered area are estimated based on the existing environment 95th percentile flow. Mitigation measures are not shown



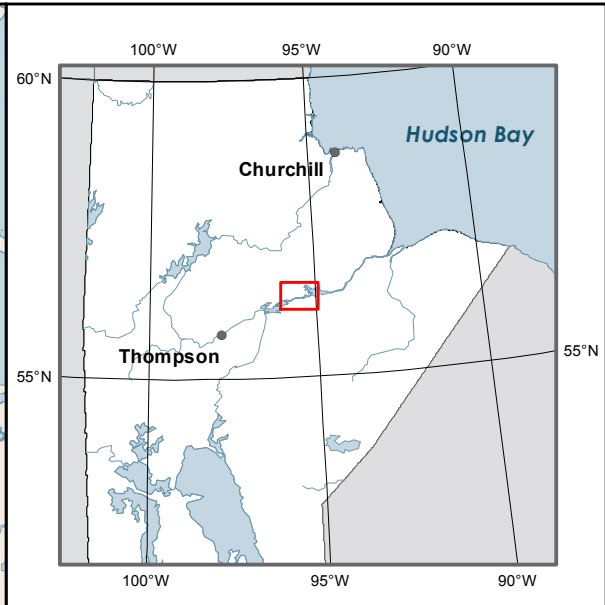
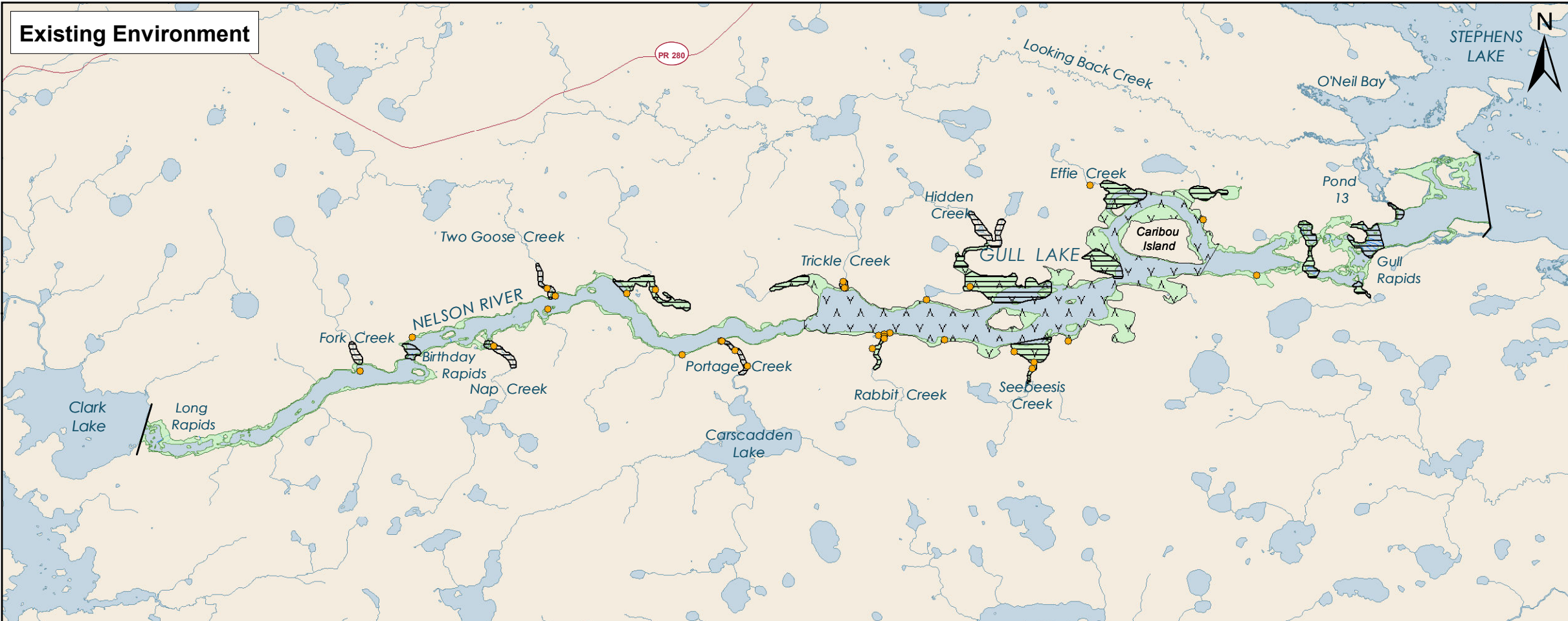
Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@Digitalglobe, 2006
 Nelson River Shoreline modelled by Manitoba Hydro

0 2 4 6 8 Kilometres
 0 2 4 Miles

Map illustrates the estimated extent of dewatered area when the spillway is not in operation. The true extent of this area is uncertain due to the limited bathymetric data.

Walleye Habitat
Keyask Area





Legend

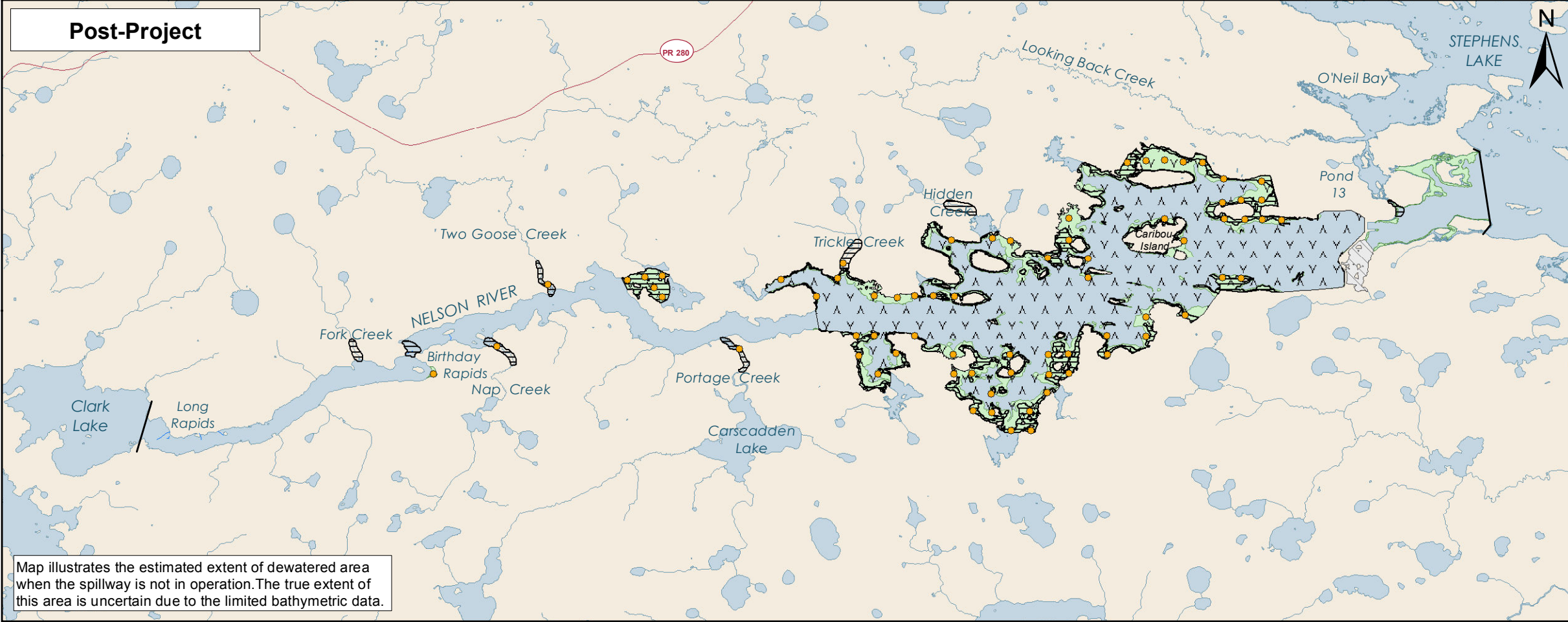
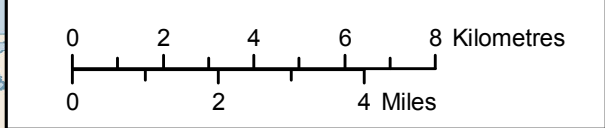
- Rearing
- Spawning
- Foraging
- Overwintering
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- Keyask Principal Structures
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Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@Digitalglobe, 2006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

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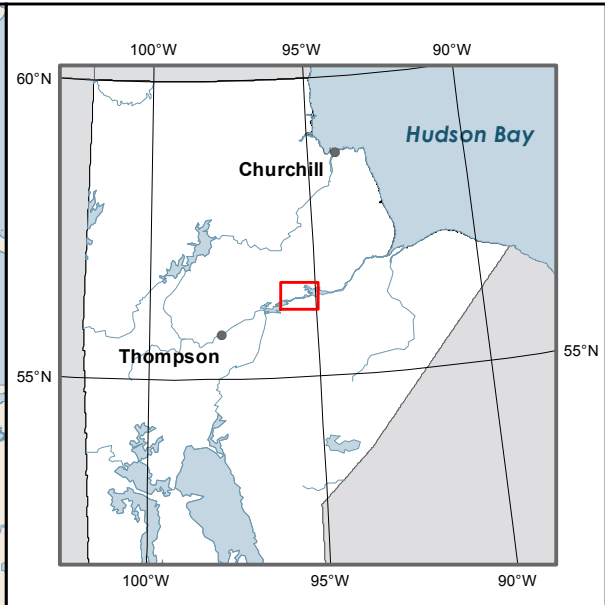
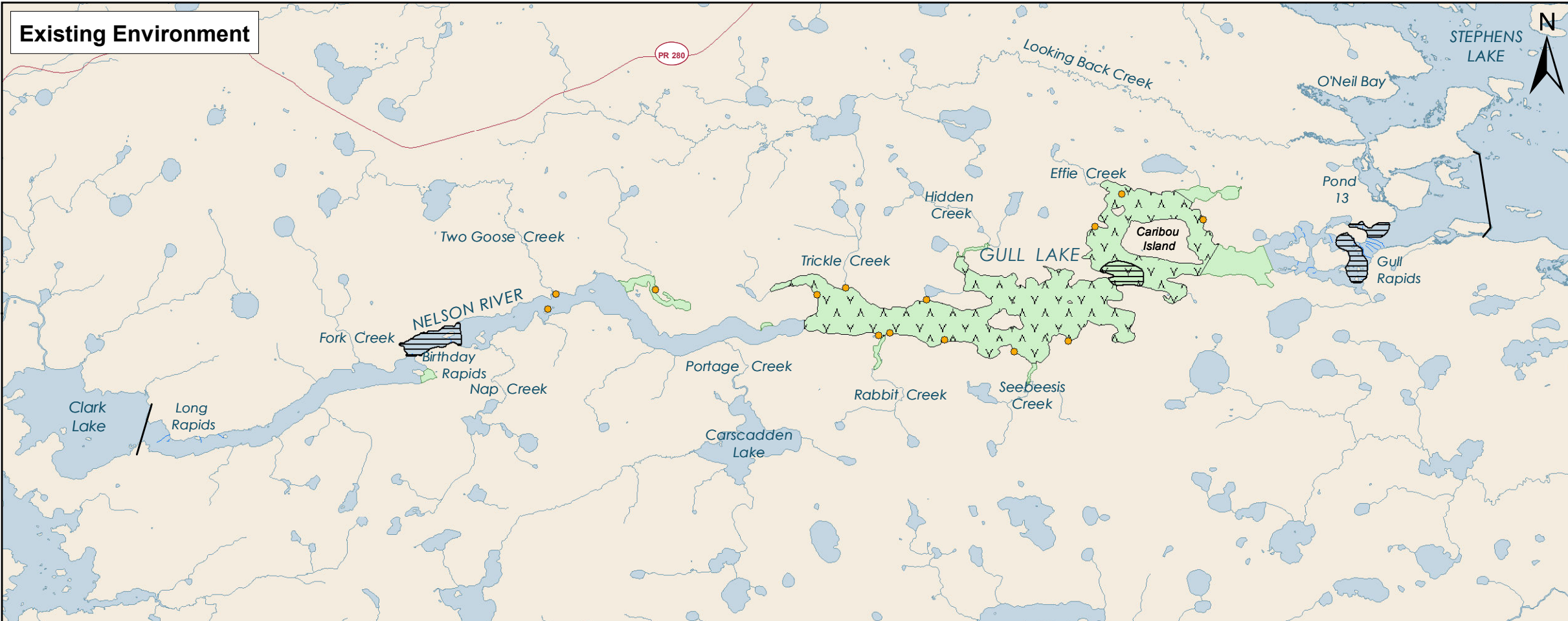
Projection: UTM Zone 15, NAD 83
 Data Source: NTS base 1:50 000
 Stephens Lake Shoreline - Quickbird@Digitalglobe, 2006
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Northern Pike Habitat Keyask Area





Legend

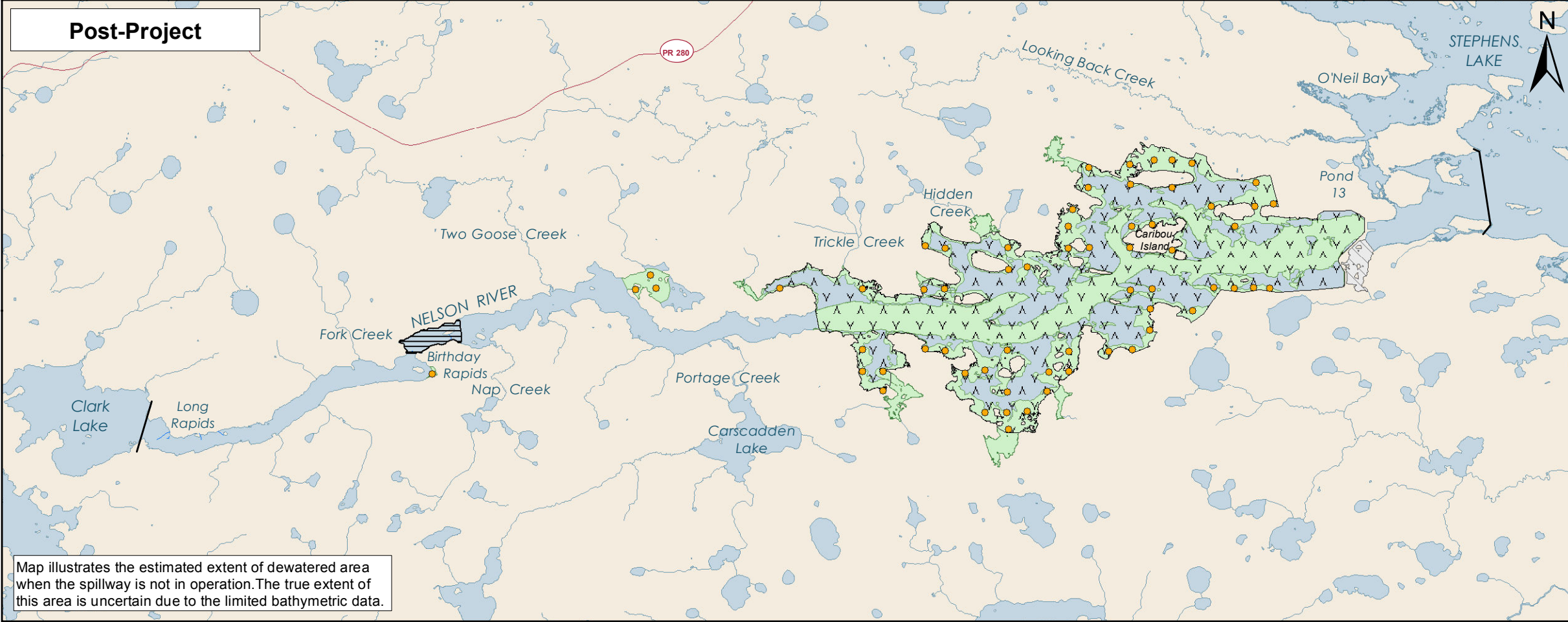
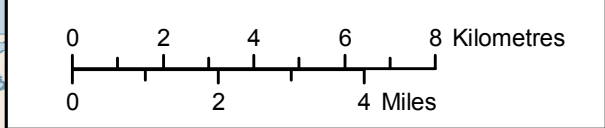
- Rearing
- Spawning
- Foraging
- Overwintering
- Potential Dewatered Area
- Keyask Principal Structures
- Keyask Area Boundary

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Map illustrates the estimated extent of dewatered area when the spillway is not in operation. The true extent of this area is uncertain due to the limited bathymetric data.

Lake Whitefish Habitat Keyask Area

