

## Summary Information

<b>Version Date:</b> July 2018	<b>Prepared by:</b> Nathan Medinski	<b>Reviewed by:</b> Marcel Macullo	<b>Approved by:</b> Curtis Brock
<b>Waterbody ID:</b> 5140	<b>Surface Area:</b> 180 ha	<b>Hydrologic Unit Code Name (HUC_8):</b> Dapp Creek	<b>Hydrologic Unit Code (HUC_8):</b> 17030302
<b>Sport Fish Species:</b> Northern Pike, Yellow Perch			
<b>Indigenous Fishery:</b> No			
<b>Environment and Parks Region:</b> Upper Athabasca Region (UAR)		<b>Fisheries Management Zone:</b> Northern Boreal (NB2)	<b>Fisheries Management Office:</b> Athabasca

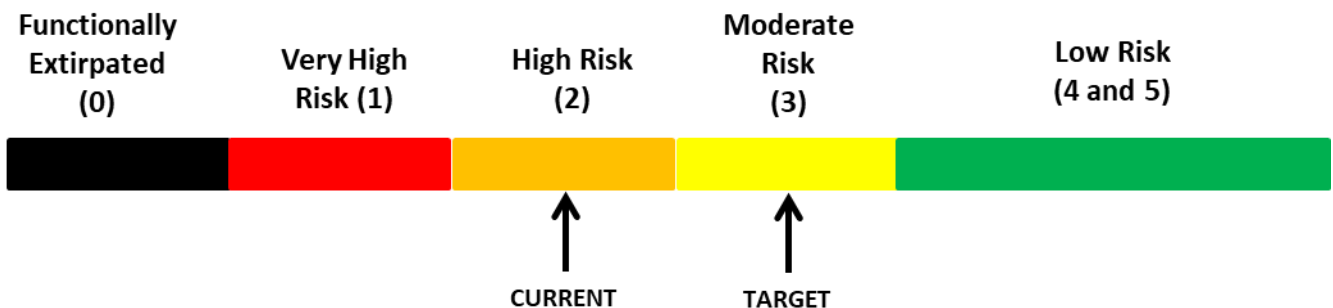
## Background

Long Lake is a small lake (180 ha) located 40 km Southwest of Athabasca and 158 km North of Edmonton. Long Lake supports a limited sport fishery for northern pike and perch that receives moderate angling pressure due to the campground facilities, youth camps, clean and clear water, a quality boat launch and close proximity to major centers. This angling pressure combined with low summer oxygen levels limits suitable habitat for sportfish. Further the majority of perch present do not reach sufficient size to be considered suitable for angling. Over the recent past, Long Lake northern pike has been managed with a Liberal Harvest Recreational Fisheries Management Objective (RFMO), however the 2018 assessments demonstrated that Long Lake is not meeting the requirements of a harvest objective.

## Fish Population Status

### Northern Pike – Adult Abundance

#### Fish Sustainability Index Adult Density Score



### Yellow Perch- Adult Abundance - Undetermined

## Recreational Fishery Management Objectives

The **focal species** for recreational management is **Northern Pike**. The secondary species managed for recreational objectives is yellow perch. These sport-fisheries are not directly assessed at intervals, and therefore are passively managed. The **Overharvest Protection Need** is assessed as **High**.

**Northern Pike** - The recreational fishery management objective for northern pike is **Sustainable Harvest**. The corresponding FSI score for the current mature density of northern pike was assessed as **High Risk (2)** to sustainability. The northern pike population is currently not meeting the status and criteria for the objective of a sustainable harvest fishery. The current management action to maintain this outcome is a **Catch and Release** regulation.

**Yellow Perch** – The recreational fishery management objective being applied is the provincial default (**Sustainable Harvest**). The status of the yellow perch population has not been assessed. The current management action is a regulation of 15 perch, any size.

## Management Summary

Management Priority	Species	Overharvest Protection Need	Management Action	Sport Fishing Harvest Regulation
1	Northern Pike	High	Recovery	Catch and Release
2	Yellow Perch*	High	Maintenance – Sustainable Harvest	15 any size

*\*Recreational management objectives for yellow perch have not been fully developed into management frameworks, and will be subject to change pending on-going work and development. However, general action statements have been listed for this species within the context of relative abundance, catch rates and trends associated with index netting assessments, in relation to the management of this species at a provincial level.*