

## Summary Information

<b>Version Date:</b> June 2018	<b>Prepared by:</b> Adrian Meinke Senior Fisheries Biologist- Grande Prairie	<b>Reviewed by:</b>	<b>Approved by:</b> (Regional Resource Manager)
<b>Waterbody ID:</b> 5298	<b>Surface Area:</b> 1246(Ha)	<b>Hydrologic Unit Code Name (HUC_8):</b> Iosegun River	<b>Hydrologic Unit Code (HUC_8):</b> 18020702
<b>Sport Fish Species:</b> Northern Pike, Yellow Perch			
<b>Indigenous Fishery:</b> No			
<b>Environment and Parks Region:</b> Upper Peace Region	<b>Fisheries Management Zone:</b> East Slopes 4 (ES4)	<b>Fisheries Management Office:</b> Grande Prairie	

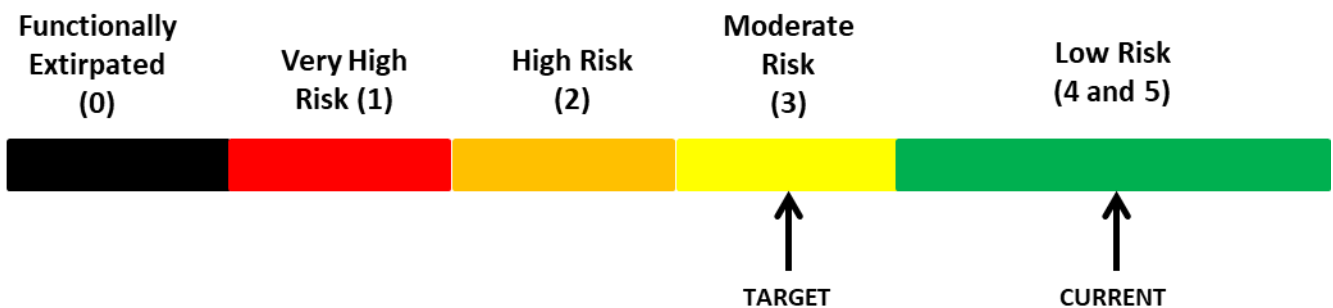
## Background

Meekwap Lake is a 1346ha lake with a mean depth of 2.7m located approximately 26km north east of the town of Fox Creek. There is limited access to the lake during open water season requiring the use of an OHV. Access to the lake predominately occurs during the winter time. Meekwap Lake has been managed passively for a number of years. Reports from anglers range from large catches of small pike to averaging 8-10 lb pike to cyclical high catches of large yellow perch. The lake anecdotally has been sought after by yellow perch anglers but reports since the 1980s into the 2000s have describe a cyclical pattern of high catches of medium to large perch to low catches of small perch. Similar reports describe the northern pike fishery as well.

## 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 followed by yellow perch.

**Northern Pike:** The recreational management objective for northern pike is a **Sustainable Harvest** fishery. The corresponding Fish Sustainability Index score for the current mature density of northern pike was assessed at **Low Risk** to sustainability. The northern pike population is exceeding the status and criteria for the objective of sustainable harvest fishery. The current management action is to maintain the population.

**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	Low	Maintenance -Sustainable Harvest	1>63cm or 2>63cm
2	Yellow Perch*	Low	Maintenance-Sustainable Harvest	10 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.