

Sinclair Lake

Fisheries Management Objectives

Version Date: October 2017	Prepared by: R. Skarsen	Reviewed by: D. Latty	Approved by: J. Walker
Waterbody ID: 5813	Surface Area: 196 (Ha)	Hydrologic Unit Code Name (HUC_8): Wolf River	Hydrologic Unit Code (HUC_8): 12010203
Sport Fish Species: Northern Pike, Yellow Perch, Burbot			
Indigenous Fishery: Yes			
Environment and Parks Region: Lower Athabasca Region (LAR)		Fisheries Management Zone: Northern Boreal 1 (NB1)	Fisheries Management Office: Cold Lake

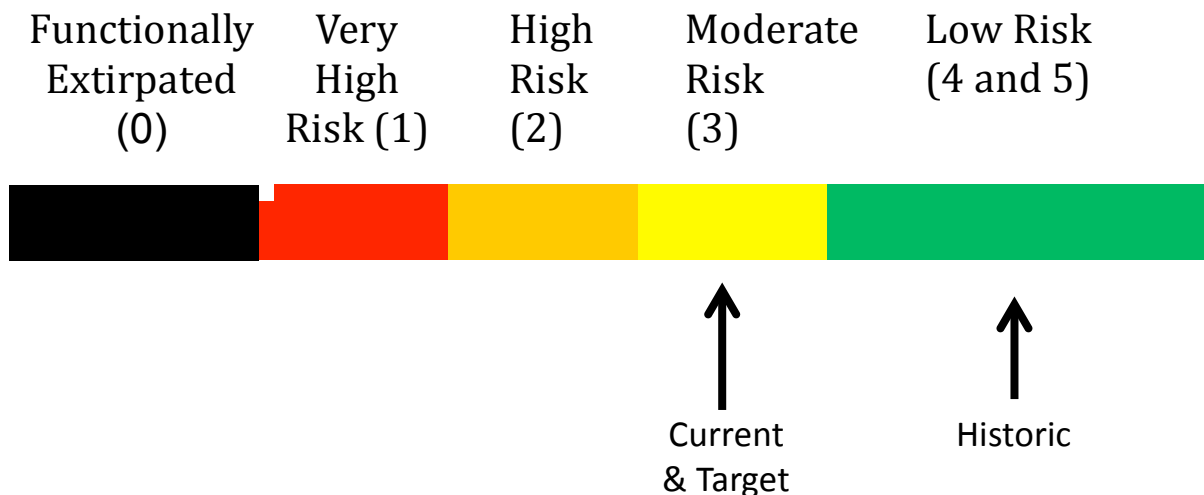
Background

Sinclair Lake is a very small lake located approximately 40 km northwest of the City of Cold Lake. It has a surface area of 196 ha and a maximum depth of 14.3 m. Sinclair Lake does not have a developed access and is likely accessible only during the winter. The surrounding watershed has significant oil and gas development.

Section 1. Fish Population Status

Northern Pike – Adult Abundance

Fish Sustainable Index Adult Density Score



Yellow Perch – Adult Abundance – Undetermined

Section 2. Recreational Fishery Management Objectives and Management Summary

The **focal species** for recreational management is **Northern Pike**. The secondary species managed for recreational objectives is Yellow Perch. These sport-fisheries are passively managed. The **Overharvest Protection Need** is assessed as **Moderate**.

Northern Pike – The recreational fishery management objective for northern pike is **Sustainable Harvest**. The corresponding Fish Sustainability Index (FSI) score for the current mature density of northern pike was assessed as **Moderate Risk** to sustainability. The northern pike population is currently meeting the status and criteria for the objective of a sustainable harvest fishery. The current management action to achieve this outcome is a harvest regulation of 1 Northern Pike over 63 cm. The required management action, based on the lake being passively managed, will be a harvest regulation of **1 Northern Pike over 70 cm**.

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	Moderate	Maintenance – Sustainable Harvest	<ul style="list-style-type: none"> 1 > 63cm (2017-18) 1 > 70cm (Implementation April 1st, 2018)
2	Yellow Perch*	Moderate	Maintenance – Sustainable Harvest	15 any size

**Recreational management objectives for Lake Whitefish, Yellow Perch, and Burbot 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 these species within the context of relative abundance, catch rates and trends associated with index netting assessments, in relation to the management of these species at a provincial level.*