

Summary Information

Version Date: July 2018	Prepared by: Chris Briggs	Reviewed by: Adrian Meinke	Approved by: KayeDon Wilcox
Waterbody ID: 4700	Surface Area: 219 ha	Hydrologic Unit Code Name (HUC_8): Trout River	Hydrologic Unit Code (HUC_8): 18050202
Sport Fish Species: Walleye, Northern Pike, Lake Whitefish, Yellow Perch, and Burbot			
Indigenous Fishery: NLT 140 mm, Closed: Apr 1 – May 31			
Environment and Parks Region: Peace Region		Fisheries Management Zone: Northern Boreal 3 (NB3)	Fisheries Management Office: Peace River

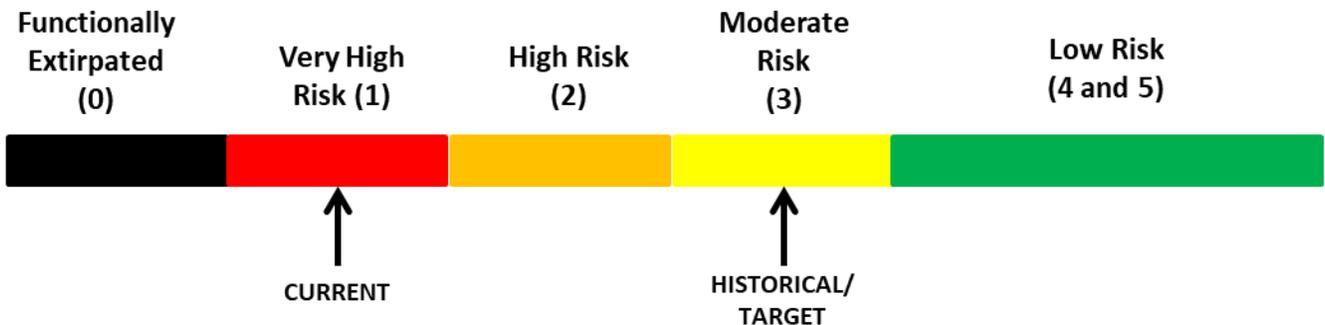
Background

Goodfish Lake is located in the Peerless Lake area, approximately 37 km northeast of Red Earth. It is part of a complex of lakes that includes Equisetum and Long Lakes. The connection between Goodfish Lake and Equisetum Lake is a short channel that would not be a barrier to fish movement. Goodfish Lake is relatively shallow, with a maximum depth of 3.7 m extensive macrophyte growth has been observed in past surveys. The lake is known to support sport fish populations of northern pike, walleye, lake whitefish and yellow perch. The lake provides recreational and domestic fishing opportunities throughout most of the year, but is closed to fishing from April 1 to May 14. Commercial fishing occurred on the lake in the late 1980's and early 1990's, but catch rates were generally low. Domestic use is limited, with 1-2 licenses issued per year. Goodfish Lake has been surveyed several times since the original survey in 1969, with the most recent survey being done in 2017 using the North American Standard Index Netting (NASIN) protocol. Whitefish and northern pike have historically been the main species in the lake, with very few walleye captured in any of the surveys.

Fish Population Status

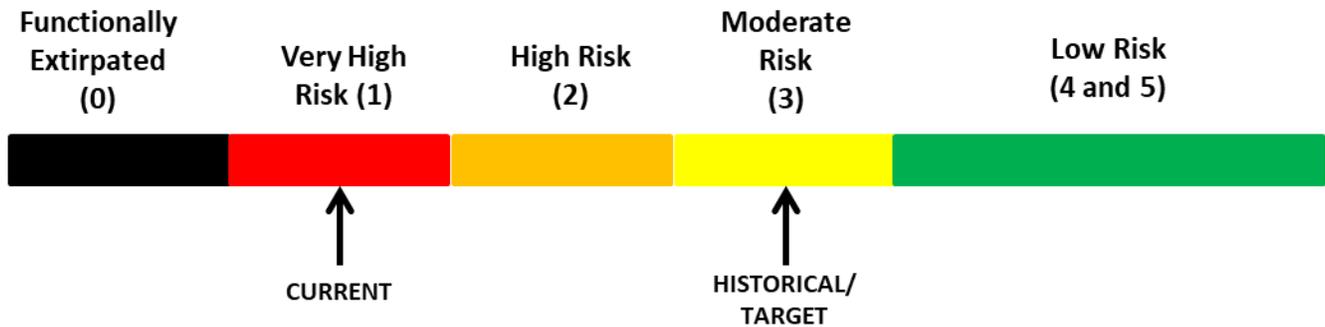
Northern Pike – Adult Abundance

Fish Sustainability Index Adult Density Score



Walleye – Adult Abundance

Fish Sustainability Index Adult Density Score



Lake Whitefish – Adult Abundance - Undetermined

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 are walleye, yellow perch and lake whitefish. The **Overharvest Protection Need** is assessed as **Low**.

Northern Pike: The recreational management objective for northern pike is a **Sustainable Harvest** fishery. The corresponding FSI score for the current adult density of northern pike has recently been assessed at **Very High Risk** to sustainability. The northern pike population is currently not meeting the status and criteria for the objective of sustainable harvest fishery. The proposed management action is **to promote recovery through the use of catch and release** until such time as the population increases into the moderate risk (yellow) category, at which time, harvest options will be explored.

Walleye: The recreational management objective for walleye **Sustainable Harvest** fishery. The corresponding FSI score for the current adult density of walleye has recently been assessed at **Very High Risk** to sustainability. The walleye population is currently not meeting the status and criteria for the objective of sustainable harvest fishery. The proposed management action is **to promote recovery through the use of catch and release** until such time as the population increases into the moderate risk (yellow) category, at which time, harvest options will be explored.

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 yellow perch, any size.

Lake Whitefish: The recreational fishery management objective being applied is the provincial default (**Sustainable Harvest**). The status of the lake whitefish population has not been assessed. The current management action is a regulation of a total of 10 lake whitefish, any size.

Management Summary

Management Priority	Species	Overharvest Protection Need	Management Action	Sport Fishing Harvest Regulation
1	Northern Pike	Moderate	Recovery – Sustainable Harvest	Catch and Release
2	Walleye	Moderate	Recovery – Quality Harvest	Catch and Release
3	Lake Whitefish*	Moderate	Maintenance – Sustainable Harvest	10 any size
4	Yellow Perch*	Moderate	Maintenance – Sustainable Harvest	15 any size

**Recreational management objectives for lake whitefish and 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 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.*