

Base Lake

Fisheries Management Objectives

Version Date: October 2017	Prepared by: Alicia Pruden-Beniuk	Reviewed by: Rebecca Baldwin	Approved by: Kathy Hendren
Waterbody ID: 3983	Surface Area: 167(Ha)	Hydrologic Unit Code Name (HUC_8): Goose River	Hydrologic Unit Code (HUC_8): 17060102
Sport Fish Species: Northern Pike, Lake Whitefish			
Indigenous Fishery: Yes			
Environment and Parks Region: Lower Athabasca Region (LAR)		Fisheries Management Zone: Northern Boreal 4 (NB4)	Fisheries Management Office: Lac La Biche

Background

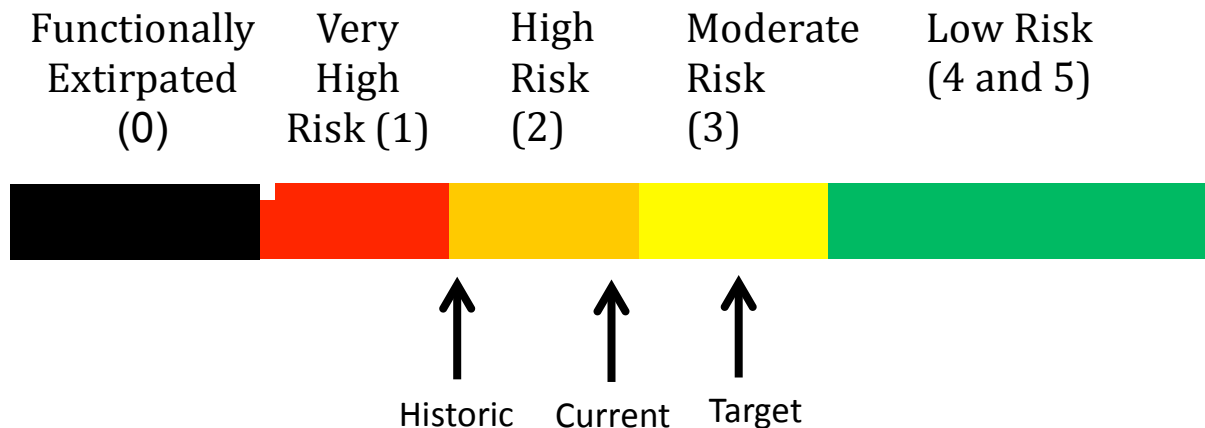
Base Lake is approximately 100 kilometers North of the Hamlet of Lac La Biche.

Base Lake has one major tributary and one major outflow that connect to the Goose River. This lake's remoteness and distance from any town sites likely keeps angling effort low. Steam Assisted Gravity Drainage (SAGd) operations in the area have led to the construction of roads nearby. Recreational fishing on this lake is predominately during winter months because of a lack of high-grade road access. There was a commercial fishery on this lake in the 1950's-60's but was rarely fished. Commercial fishing commenced again in the late 1980's, with the last commercial fishing season occurring in 1997.

Section 1. Fish Population Status

Northern Pike – Adult Abundance

Fish Sustainable Index Adult Density Score



Lake Whitefish – 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 are Lake Whitefish. These sport-fisheries are passively managed. The **Overharvest Protection Need** is assessed as **Low**.

Northern Pike – The recreational fishery management objective for Northern Pike is **Sustainable Harvest**. The corresponding Fish Sustainability Index score for the current mature density of Northern Pike was assessed as **Moderate Risk** to sustainability. The Northern Pike population is not currently meeting the status and criteria for the objective of a sustainable harvest fishery. The required management action is a **Zero-Harvest Regulation**.

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 10 Lake Whitefish, any size.

Management Summary

Management Priority	Species	Overharvest Protection Need	Management Action	Sport Fishing Harvest Regulation
1	Northern Pike	Low	Recovery – Sustainable Harvest	<ul style="list-style-type: none"> 3 > 63cm (2017-18) Catch and Release (Implementation April 1st, 2018)
2	Lake Whitefish	Low	Maintenance – Sustainable Harvest	10 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.*