

Summary Information

Version Date: July 2018	Prepared by: Mike Blackburn	Reviewed by:	Approved by: Steve Bradbury (Resource Manager)
Waterbody ID: 24375	Surface Area: 238 ha	Hydrologic Unit Code Name (HUC_8): Trout Creek	Hydrologic Unit Code (HUC_8): 17020204
Sport Fish Species: Northern Pike, Walleye, Yellow Perch			
Indigenous Fishery: No			
Environment and Parks Region: Upper Athabasca Region (UAR)	Fisheries Management Zone: East Slopes 3 (ES3)	Fisheries Management Office: Edson	

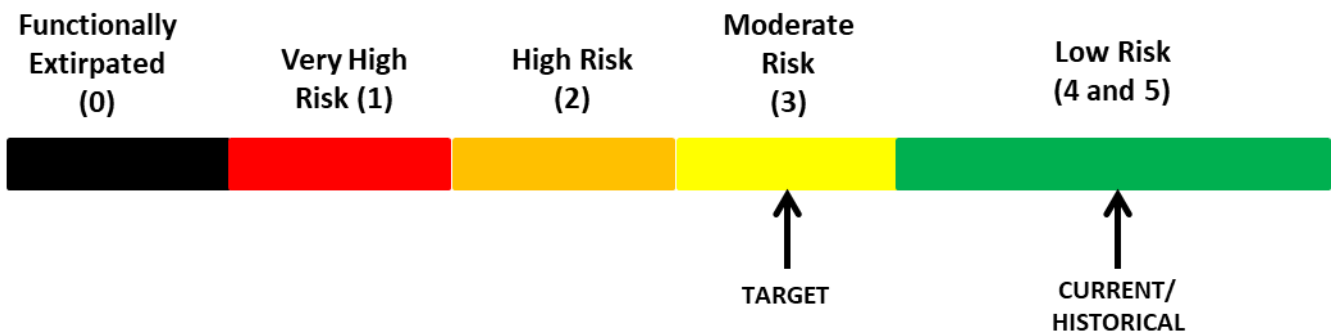
Background

Long Lake is located approximately 40 km northeast of Edson. Long Lake supports a sport fishery for northern pike and yellow perch that likely receives moderate angling pressure due to the small campground facilities, and proximity of major communities. Historically Long Lake was stocked with yellow perch; annual plantings of young-of-year and yearling perch occurred in 1986-1988 (total of 33,939 at mean annual rate of 11,313 perch per year). There have not been any documented walleye reported from this lake prior to these stocking events therefore it is assumed that walleye were inadvertently stocked into Long Lake during these events. The number and specifics of walleye introduced into Long Lake is uncertain and sufficient offspring to support a sustainable harvest has been limited.

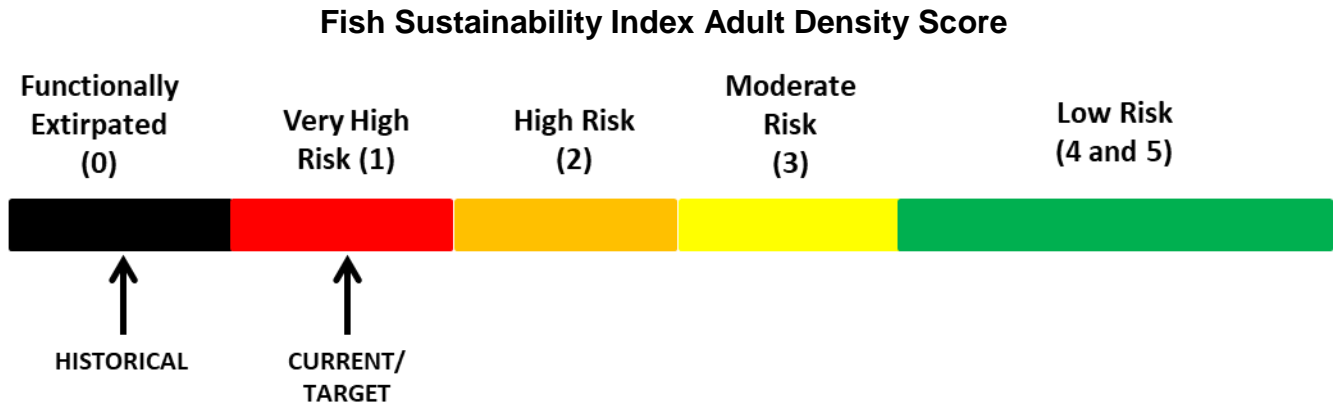
Fish Population Status

Northern Pike – Adult Abundance

Fish Sustainability Index Adult Density Score



Walleye – Adult Abundance



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 and yellow perch. These sport-fisheries are directly assessed at intervals, and therefore are actively 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 **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 maintain this outcome is a regulation of **3 fish over 63 cm** total length.

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.

Walleye - The current recreational fishery management objective for walleye is **Sustainable Harvest**. The Fish Sustainability Index (FSI) score for the current mature density of walleye was assessed at **high risk** to sustainability. The walleye population is currently **not** meeting the status and criteria for the objective of a **Sustainable Harvest** fishery. The walleye population is currently meeting the status and criteria for the objective of a **Liberal Harvest** or **Preservation** fishery. A fishery management objective of **Liberal Harvest** with a liberal harvest regulation of **1 walleye any size** is **recommended**.

Management Summary

Management Priority	Species	Overharvest Protection Need	Management Action	Sport Fishing Harvest Regulation
1	Northern Pike	Moderate	Maintenance – Sustainable Harvest	3 fish over 63 cm
2	Yellow Perch*	Moderate	Maintenance – Sustainable Harvest	15 fish any size
3	Walleye	Moderate	Liberal Harvest Or	1 any size Or

			Preservation	Catch and release
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**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.*