

Summary Information

Version Date: July 2018	Prepared by: Mike Blackburn	Reviewed by:	Approved by: Steve Bradbury (Resource Manager)
Waterbody ID: 6184	Surface Area: 238 (Ha)	Hydrologic Unit Code Name (HUC_8): Wolf Creek	Hydrologic Unit Code (HUC_8): 17020202
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	

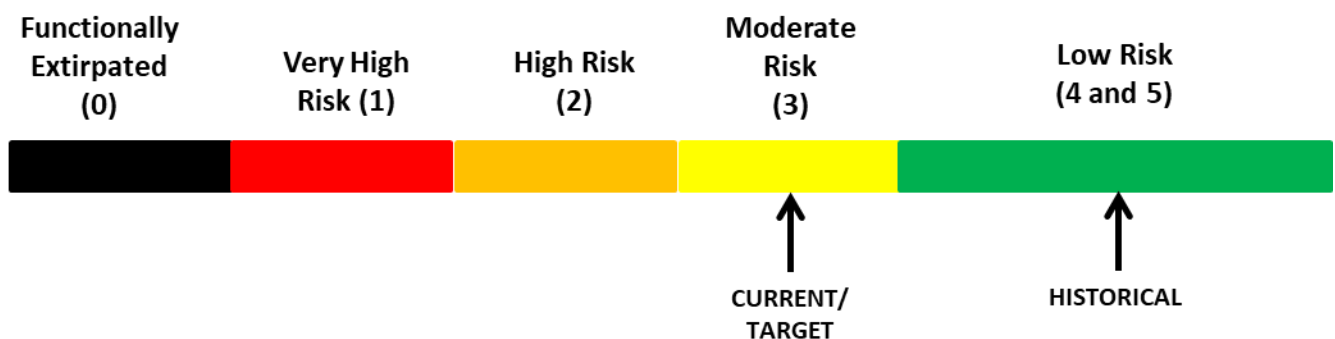
Background

Wolf Lake is located approximately 70km southeast of Edson. It supports a sport fishery for northern pike that likely receives moderate angling pressure due to the small campground facilities and distance from major communities; however, may also be limited due to relatively rough gravel road access. Historically, Wolf Lake was stocked with walleye annually from 1991-1993 (total 47,455 fry; at a mean rate of 15,818 annually) in efforts to establish self-sustaining population, however sufficient recruitment to support a sustainable harvest has been limited.

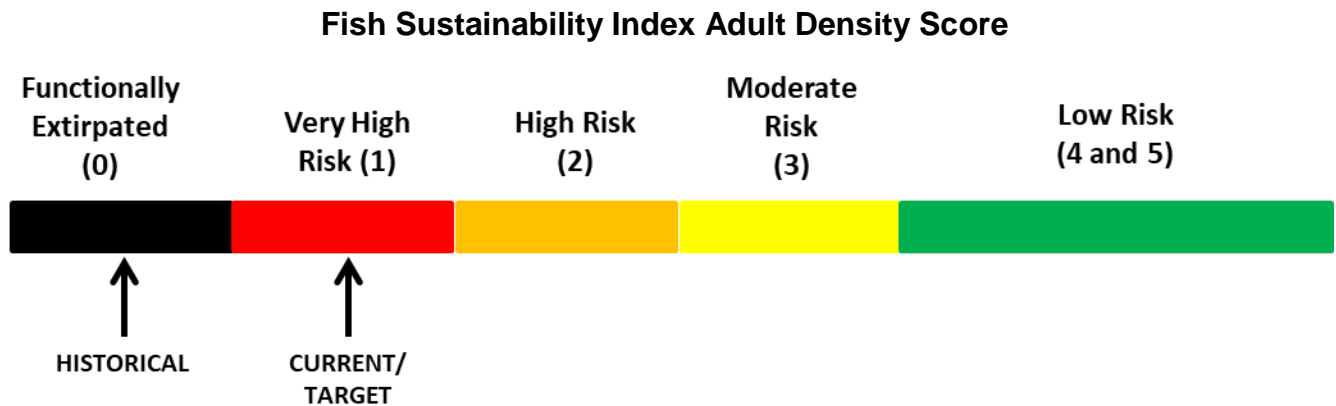
Fish Population Status

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 **moderate**.

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 **1 fish over 63cm** 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	1 > 63 cm
2	Yellow Perch*	Moderate	Maintenance – Sustainable Harvest	15 any size
3	Walleye	Moderate	Liberal Harvest or Preservation	1 any size or catch and release

**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.*