



Twin Lake (east) 2013

Lake Information

WATERSHED	LAKE CLASS
Yukon Headwaters	A
SURFACE AREA	ELEVATION
61 ha	630 m
MAXIMUM DEPTH	AVERAGE DEPTH
34 m	14.6 m
SURFACE TEMP	REGULATIONS
21°C	Special Management
SAMPLING DATES	NET SETS
June 26-27	24

Location

Twin Lake (east) lies along the North Klondike Highway, in the central Yukon. This lake is within the Traditional Territories of the Kwanlin Dün and Little Salmon/Carmacks First Nations.

Access and Use

Twin Lake (east) is accessed from the Klondike Highway, with a popular government campground across this lake at Twin Lake (west). There is an accessible gravelled area that acts as a rough boat ramp.

Overall Status

Lake Trout

The lake trout population in Twin Lake (east) appears small. This may be due to a mix of available habitat, as well as recreational pressure.

Lake Whitefish

We did not sample any lake whitefish in Twin Lake (east) during this survey.

Recommendation

Although recreational angling effort on Twin Lake (east) was not formally prohibited at the time of this survey, prior surveys conducted on Twin Lake (west), showed a moderate level of pressure. It can be inferred that due to the close proximity of these lakes, the pressure may be the same.

Lake Trout

Overview

During the 2013 Twin Lake (east) survey, a total of 20 lake trout were sampled. Age structures were only obtained from two individuals, both of which were 15 years of age.

Population Estimate and Density

The population estimate of lake trout in Twin Lake (east) was **193** (estimate range: 94 – 296). This equates to a density of 3.2 lake trout per hectare. This density was slightly lower than expected.

Length and Weight

The sampled lake trout ranged in fork length size from 325 mm to 672 mm. They had an average length of 529 mm and an average weight of 2,017 g.

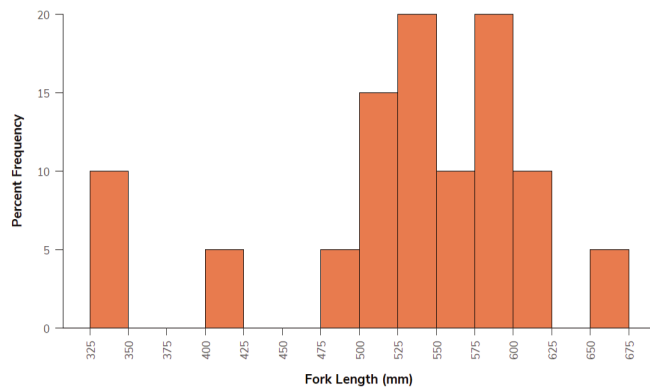


Figure 1. Length frequency distribution of lake trout sampled in Twin Lake (east) in 2013, n = 20.

Lake Whitefish

Overview

During this survey, no lake whitefish were captured in Twin Lake (east).

Temperature and Dissolved Oxygen

Temperature and dissolved oxygen profiles were taken on June 25, 2013, near the deepest section of Twin Lake (east). The lake was stratified with a thermocline between 4 m and 7 m. The dissolved oxygen was within suitable limits between the surface and 32 m. Overall habitat was suitable for lake trout between 4 m and 32 m.

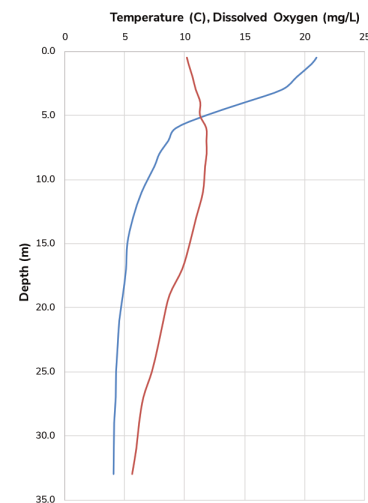


Figure 2. Temperature (C) and dissolved oxygen (mg/L) as measured in Twin Lake (east) on June 25, 2013.

Suggested citation:

Government of Yukon. 2024. Lake Trout and Lake Whitefish Monitoring Program: Twin Lake (East) 2013. Government of Yukon, Whitehorse, Yukon, Canada.