



October 13, 2018

To: Tom Reinkober

From: Jeff Roth

Subject: Fall Walleye Recruitment Assessment Synopsis

On October 12, 2018, we conducted a fall walleye recruitment assessment by electro-fishing the shockable mainland shoreline of Armour Lake. The islands were not sampled. Sampling conditions were considered only “fair” with unusually high water levels and an abundance of woody shoreline vegetation, making effective sampling of the littoral area difficult at best.

We captured all walleye encountered for a total of 47 fish. Using past ageing data from the 2011 survey, young-of-the-year walleye ranged in size from 5.5 to 7.4 inches in length and captured at the rate of 2.4 fish per mile of shoreline or 6.5 fish per hour of electro-fishing. Additionally, there was no representation of the 2017 year-class or Age 1+ walleyes. There was a relatively good representation of older juvenile walleye (9.5 to 13.4 inches), captured at a rate of 17 fish per hour, likely from the 2015 and 2016 year classes.

I hope this information will assist you and the Department of Natural Resources in making some management decisions relative to supplemental stocking when walleye reproduction is limited. If you have any questions or concerns regarding these results or if I can be of any further assistance, please feel free to contact me.

It has been a pleasure working with you on this project.