The Department of Natural Resources surveyed East Horsehead Lake, Oneida County, from April 25 through April 29, to assess the status of the adult walleye population. Then on June 3 the lake was surveyed again to evaluate the bass and panfish communities. East Horsehead Lake is a spring lake with predominately sand substrates. It has a surface area of 184 acres, 3.7 miles of shoreline, and a maximum depth of 26 feet. East Horsehead Lake's Walleye and Muskellunge populations are maintained by stocking.

We captured 218 Largemouth Bass eight inches or larger in East Horsehead Lake. Of those, just five (2%) were 14 inches or longer, while the largest was 19.2 inches. We did not estimate the number of Largemouth Bass to be present in East Horsehead Lake. However, survey results are indicative of a relatively high-density population.

During four days of fyke netting, 350 adult Walleye were captured and marked with a fin clip. A crew then sampled with an electrofishing boat and captured 73 adult Walleye. During electrofishing 73% (53 of 73) of captured Walleye bore the fin clip given during fyke netting. Based on those results, East Horsehead Lake was estimated to contain 468 adult Walleye (2.5/acre).

An estimated 7% of adult Walleye were 15 inches or longer. The largest Walleye we captured was a 27.2-inch female.

During our surveys of East Horsehead Lake, we captured 12 Smallmouth Bass eight inches or larger. Of those, just one (8%) was 14 inches or longer, measuring 14.5 inches. Although we did not estimate the number of Smallmouth Bass present in the lake, survey results are indicative of a relatively low-density population.

We captured 218 Largemouth Bass eight inches or larger in East Horsehead Lake. Of those, just five (2%) were 14 inches or longer, while the largest was 19.2 inches. We did not estimate the number of Largemouth Bass to be present in East Horsehead Lake. However, survey results are indicative of a relatively high-density population.

* Note: Adult Walleye are defined as all sexable Walleye (regardless of length) and those of unknown sex ≥ 15 inches in length.
During our surveys we captured nine adult Northern Pike in East Horsehead Lake. Of those Pike, 33% (three of nine) were greater than 26 inches long, with the largest being a 35.7-inch female.

* Note: Adult Northern Pike are defined as all sexable Northern Pike and those of unknown sex ≥ 12 inches in length.

**Other Species**

In addition to the gamefish mentioned above, seven species of fish were captured during fyke netting and electrofishing sampling of East Horsehead Lake. Yellow Perch (no measurements available), Bluegill (4.4 - 8.2”), and Black Crappie (9.4 - 10.5”) were relatively common in our survey catches. We also caught Rock Bass, Pumpkinseed, Yellow Bullhead, and White Sucker.

A creel survey will be conducted on East Horsehead Lake throughout the 2019-20 fishing season. A creel clerk will count and interview anglers and examine their catch. The information gathered will be used to estimate angler fishing effort, catch and harvest.

**Table 1. General Fishing Regulations for East Horsehead Lake, Oneida County, 2019-20.**

<table>
<thead>
<tr>
<th>FISH SPECIES</th>
<th>OPEN SEASON</th>
<th>DAILY LIMIT</th>
<th>MINIMUM LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walleye</td>
<td>May 4 - March 1</td>
<td>3</td>
<td>15&quot; min. length, 20-24&quot; no harvest slot, 1 fish over 24&quot; allowed</td>
</tr>
<tr>
<td>Largemouth Bass</td>
<td>May 4 - March 1</td>
<td>5 in total with SMB</td>
<td>14 inches</td>
</tr>
<tr>
<td>Smallmouth Bass</td>
<td>May 4 - June 14 (C&amp;R)</td>
<td>5 in total with LMB; harvest season only</td>
<td>14 inches</td>
</tr>
<tr>
<td></td>
<td>June 15 - March 1 (Harvest)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Muskellunge</td>
<td>May 25 - Nov. 30</td>
<td>1</td>
<td>40 inches</td>
</tr>
<tr>
<td>Northern Pike</td>
<td>May 4 - March 1</td>
<td>5</td>
<td>None</td>
</tr>
</tbody>
</table>

A brief summary of selected fishing regulations for East Horsehead Lake is included above (Table 1). While the regulatory information provided was current at the time the surveys were conducted, it is not comprehensive and should not be used as a substitute for the current fishing regulation pamphlet. You may obtain a copy of current fishing regulations when you purchase your fishing license, or download a copy from our web site at:

http://dnr.wi.gov/topic/fishing/regulations/

For answers to questions about fisheries management activities and plans for East Horsehead Lake, Oneida County, contact:

Zach Woiak, Fisheries Biologist
Wisconsin Department of Natural Resources
107 Sutliff Avenue
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This spring survey report is available at:

http://dnr.wi.gov/topic/fishing/north/trtyprngsrvys.html. Creel survey results should be available by August 2020 at:

http://dnr.wi.gov/topic/fishing/north/trtycrisrvys.html. For questions, contact:

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