The Department of Natural Resources surveyed Carrol and Madeline Lakes, Oneida County, from April 10th through May 18th, to assess the status of the gamefish populations. Carrol and Madeline Lakes are drainage lakes with predominantly sand substrate, some gravel and muck. Carrol has a surface area of 352 acres and a maximum depth of 27 feet, while Madeline is 159 acres and 17 feet deep (maximum). Carrol Lake’s walleye and muskellunge populations are maintained by stocking, while these same species’ populations in Madeline are the result of migration from Carrol.

During sampling conducted through May 18th, 857 largemouth bass eight inches or larger were captured. Of those largemouth captured, 21% were 14 inches long or larger, and the largest was 20.2 inches. Although we were unable to reliably estimate the largemouth bass population size, our survey results do indicate that Carrol and Madeline Lakes contain an above average density of largemouth bass when compared with other lakes.

During four days of fyke netting on Carrol Lake, 186 adult walleye were captured and marked with a fin clip. A crew then sampled with an electrofishing boat and captured 40 adult walleye. During electrofishing 35% (14 of 40) of captured walleye bore the fin clip given during fyke netting. The largest walleye we captured was a 29.2-inch female. Based on those results, Carrol Lake was estimated to contain 551 adult walleye (1.6/acre). An estimated 74% of adult walleye were 15 inches long or larger.

During five days of fyke netting on Madeline Lake, 30 adult walleye were captured and marked. During the recapture electrofishing survey on Madeline, eight adult walleye were captured (three of which bore the fin clip given during netting). Based on those results, Madeline Lake was estimated to contain 52 adult walleye (0.3/acre).

* Note: Adult walleye are defined as all sexable walleye (regardless of length) and those of unknown sex ≥ 15 inches in length.

**Smallmouth Bass**

During sampling conducted through May 18th, 15 smallmouth bass eight inches or larger were captured. Of those smallmouth captured, 20% were 14 inches long or larger, and the largest was 15.5 inches. Due to the low number of smallmouth bass captured during the survey, we were unable to reliably estimate their population size in Carrol and Madeline Lakes.

**Largemouth Bass**

During sampling conducted through May 18th, 857 largemouth bass eight inches or larger were captured. Of those largemouth captured, 21% were 14 inches long or larger, and the largest was 20.2 inches. Although we were unable to reliably estimate the largemouth bass population size, our survey results do indicate that Carrol and Madeline Lakes contain an above average density of largemouth bass when compared with other lakes.
From sampling between April 10th and May 18th, 413 adult northern pike were captured in Carrol and Madeline Lakes. Of those pike captured, 99% were less than 26 inches long, and the largest was 28.0 inches.

* Note: Adult northern pike are defined as all sexable northern pike and those of unknown sex > 12 inches in length.

Muskellunge were not specifically targeted during our surveys of Carrol and Madeline Lakes. However, during fyke netting and electrofishing sampling, four adult muskellunge were captured. Two of the four adults were 40 inches long or larger, with the largest being 43.5 inches. Additionally, 15 juvenile muskellunge (12.1" - 22.3") were also captured.

* Note: Adult muskellunge are defined as all sexable muskellunge and those of unknown sex ≥ 30 inches in length.

Other Species

In addition to the gamefish mentioned above, 13 species of fish were captured during fyke netting and electrofishing sampling of Carrol and Madeline Lakes. Bluegill (range: 1.7" - 8.7") and Yellow Perch (2.8" - 8.2") were common in our catches. Also caught were moderate numbers of Black Crappie (4.0" - 9.9") and Pumpkinseed (2.6" - 8.3"). Other species captured included Bowfin, Yellow Bullhead, Rock Bass, White Sucker, Golden and Rosyface Shiner, Loggerhead, Bluntnose Minnow, and Mottled Sculpin.

A creel survey will be conducted on Carrol and Madeline Lakes throughout the 2017-18 fishing season. Creel clerks Dale Peterson and Mason Cracraft 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 Carrol and Madeline Lakes, Oneida County, 2017-18.

<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 6 - March 4</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 6 - March 4</td>
<td>5 in total with SMB</td>
<td>14 inches</td>
</tr>
<tr>
<td>Smallmouth Bass</td>
<td>May 6 - June 16 (C&amp;R)</td>
<td>5 in total with LMB; harvest season only</td>
<td>14 inches</td>
</tr>
<tr>
<td>Muskellunge</td>
<td>May 27 - Nov. 30</td>
<td>1</td>
<td>40 inches</td>
</tr>
<tr>
<td>Northern Pike</td>
<td>May 6 - March 4</td>
<td>5</td>
<td>None</td>
</tr>
<tr>
<td>Panfish</td>
<td>open all year</td>
<td>(10 of any one species)</td>
<td>None</td>
</tr>
</tbody>
</table>

A brief summary of selected fishing regulations for Carrol and Madeline Lakes 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/

This report is interim only; Watch for finalized summaries at:
http://dnr.wi.gov/topic/fishing/north/trtysprmsrvys.html. Creel survey results should be available by August 2018 at:
http://dnr.wi.gov/topic/fishing/north/trtycrlsrvys.html. For questions, contact:

Lawrence Eslinger, Treaty Fisheries Biologist
Wisconsin Department of Natural Resources
8770 Highway J
Woodruff, WI 54568
(715) 356-5211 Ext. 209
Email: lawrence.eslinger@wisconsin.gov

For answers to questions about fisheries management activities and plans for Carrol and Madeline Lakes, Oneida County, contact:

Steve Gilbert, Woodruff Area Fisheries Supervisor
Wisconsin Department of Natural Resources
8770 Highway J
Woodruff, WI 54568
(715) 356-5211 Ext. 229
Email: stephen.gilbert@wisconsin.gov