LAKE: Smoky COUNTY: Vilas YEAR: 2015

A comprehensive fishery survey was conducted of Smoky Lake, Vilas County, from April 26 through June 4 to determine the health of this fishery. Smoky Lake is an infertile seepage lake with predominantly sand and gravel substrates. It has a surface area of 610 acres, 6 miles of shoreline, and a maximum depth of 60 feet.

Smallmouth Bass
Smallmouth bass are the most common game fish species present in Smoky Lake.

Survey crews captured 698 smallmouth bass during sampling. Sufficient numbers of smallmouth bass were captured to calculate a population estimate. The smallmouth bass population in Smoky Lake (eight inches or larger) was estimated to be 2,517 fish (4.1/acre).

Only 7% of the smallmouth bass in this estimate were 14 inches or greater in length. The largest smallmouth bass captured was 19.1 inches long.

Muskellunge
During the survey eight adult muskellunge were captured and marked (fin clipped). Approximately 63% of the adult muskellunge were greater than 40 inches long or larger. The largest muskellunge captured was a 47.4 inch long female.

PANFISH
Panfish information presented here was collected from three, 0.5 mile long electrofishing index stations sampled in May. Overall, Smoky Lake has very few panfish and lacks numbers of quality size fish.

Bluegill
Bluegill are the most abundant panfish species present in Smoky Lake. Few quality size bluegill were captured in this survey. None of the fish from a random sample of 20 measured were greater than eight inches in length. The largest bluegill captured during the survey measured 7.9 inches long.

Yellow Perch
Yellow perch are low in abundance in Smoky Lake. From a random sample of four fish measured, only one was 8.0 inches long or longer. The largest yellow perch captured during the survey was 8.7 inches long.
Other Fish Species

Other fish species captured during this survey but in lower numbers were: bluntnose minnow, mimic shiner, mottled sculpin, rainbow smelt, rock bass, and white sucker.

General Fishing Regulations for Smoky Lake, Vilas County, 2015

<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 2 - March 1</td>
<td>3</td>
<td>15&quot;</td>
</tr>
<tr>
<td>Smallmouth Bass</td>
<td>May 2 - June 19</td>
<td>0</td>
<td>Catch and Release</td>
</tr>
<tr>
<td></td>
<td>June 20 - December 31</td>
<td>5 in total w/ LMB</td>
<td>14 inches</td>
</tr>
<tr>
<td>Largemouth Bass</td>
<td>May 2 - December 31</td>
<td>5 in total w/ SMB</td>
<td>14 inches</td>
</tr>
<tr>
<td>Muskegon</td>
<td>May 15 - Nov. 30</td>
<td>1</td>
<td>40 inches</td>
</tr>
<tr>
<td>Northern Pike</td>
<td>May 2 - March 1</td>
<td>5</td>
<td>No minimum length</td>
</tr>
</tbody>
</table>

The regulatory information provided was current at the time the surveys were conducted. 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 Smoky Lake, Vilas County, contact:

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