

# Oscar Jenny Lake

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Clarity Report on July 5th, 2018



Land & Water Conservation Department

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## Oscar Jenny Lake AIS Monitoring and Water Clarity Report

Field Date: July 5th, 2018  
WBIC: 1009100  
Previous AIS Findings: None  
New AIS Findings: None  
Field Crew: Aubrey Nycz, AIS Project Leader and Jody Partin, AIS Project Assistant,  
Oneida County Land and Water Conservation Department  
Report By: Jody Partin

On July 5th, 2018, Aubrey and I went to Oscar Jenny Lake to implement AIS monitoring along with water clarity and quality assessments. Oscar Jenny Lake is a 101 acre mesotrophic lake located in Oneida County and has one public boat launch. The shoreline along Oscar Jenny Lake is composed of private owners and the Woodboro Lakes Wildlife Area. The lake has a maximum depth of 24 feet, and the substrate is reported to be 45% sand, 10% gravel, 25% rock, and 20% muck. Along with reporting the depth and substrate, the Wisconsin Department of Natural Resources also reports that the lake has musky, largemouth bass, and panfish present.

The weather while conducting research on Oscar Jenny Lake was good. The outside temperature was around 80 degrees Fahrenheit, the sky was sunny, little to no wind, and the water clarity was good. There was no adverse weather to impede our measurements in any way.

When conducting our AIS lake survey, the AIS team did a complete shoreline scan while meandering in and out between different depths. We looked on the shoreline itself and also in the water, noting the plants and animals we had observed in the process.

To observe the water clarity and quality of Oscar Jenny Lake, the AIS team went to the deep hole towards the center of the lake. After locating the deep hole, we used a Secchi disk to measure water clarity and a dissolved oxygen meter to measure water health. Oxygen is needed for a healthy fish population, and also for plants to respire at night as well. The measurements from the dissolved oxygen

meter can tell us if the organisms in the lake would be under stress. Thankfully, both of these measurements were relatively average in nature, and there should be no concern for the health of Oscar Jenny Lake. The Secchi disk reading was 3.5 feet, and the dissolved oxygen readings can be found in table 2.

The AIS team was glad to see that no new invasive species were present at this time. The lake seems to be healthy, and many native plants were present and thriving. The three most common native plants we observed were Watershield, Pickerel Weed, and Bladderwort. These plants, along with others, can be seen below in table 1.

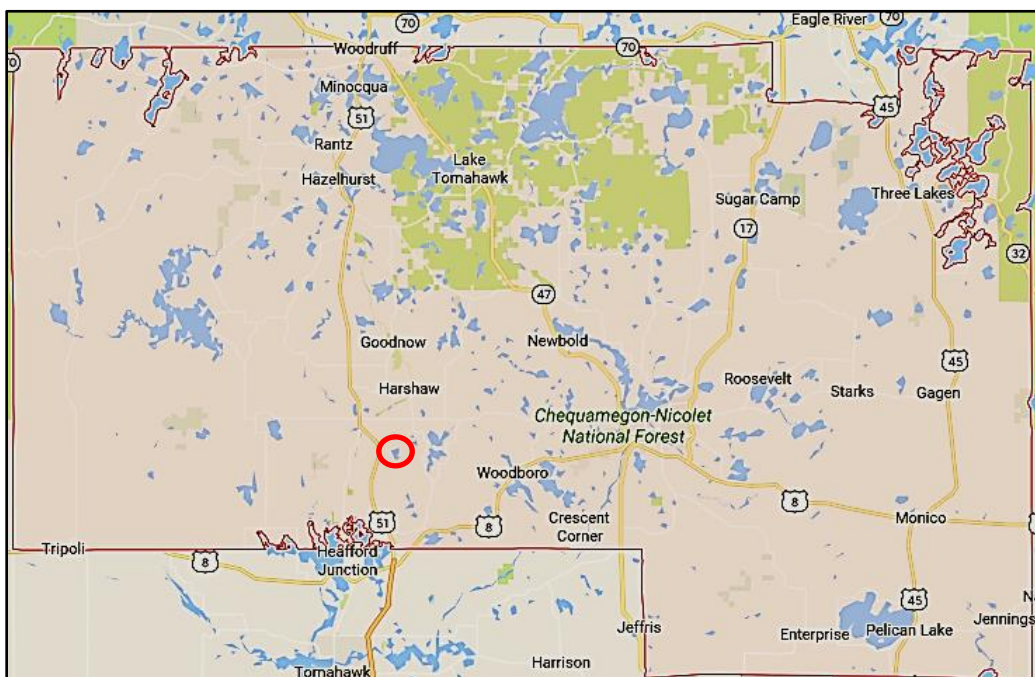
**Findings:** Taken 1:00 p.m. – 3:00 p.m. on July 5th, 2018

Aquatic Invasive Species: We did not find any new invasive species along the perimeter of Oscar Jenny Lake.



Secchi: The Secchi reading on this lake was 3.5 feet out of a 24 foot maximum depth. The water color was a brownish color, and appeared clear when glancing across the lake.

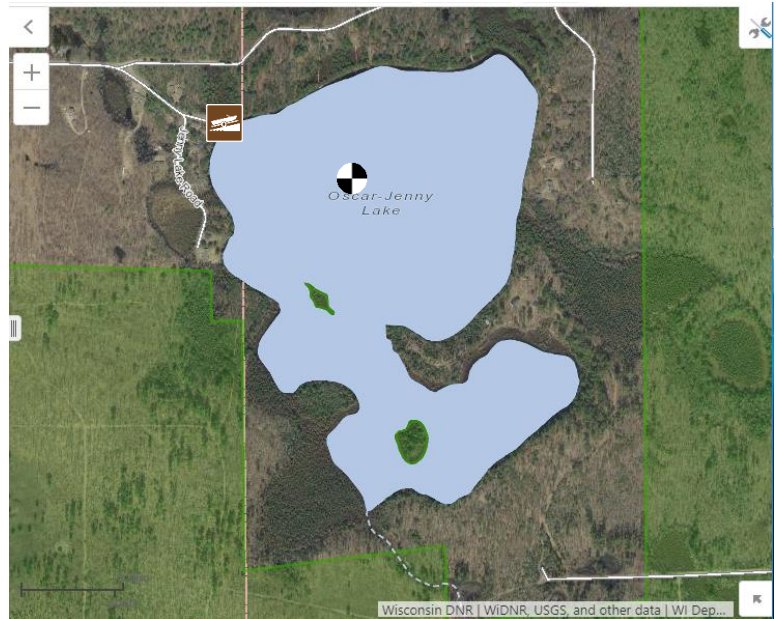
Dissolved Oxygen: These measurements can be seen in Table 2.

**Figure 1.** Map of Oneida County, WI with Oscar Jenny Lake circled in red (approximate location).







**Figure 2.** Map of Oscar Jenny Lake with boat landing and location of Secchi disk reading labeled.

-  Public boat landing
-  Deep hole & location of Secchi disk reading



**Table 1.** Plants found in Oscar Jenny Lake when monitoring.

Common Plant Name Scientific Plant Name	Description	Image
<p>Pickerel Weed</p> <p><i>Pontederia cordata</i></p>	<p>An aquatic plant with thin, bright green leaves. Emergent leaves tend to be arrow shaped with 6 parted, blue flowers. This plant is native.</p>	 <p>Photo Credit: ediblewidfood.com</p>

<p>Bullhead Pond Lily (Spatterdock)</p> <p><i>Nuphar variegata</i></p>	<p>An aquatic plant with heart-shaped leaves that can grow to be 15 inches long. This plant also has a yellow, cup-shaped flower. This plant is native.</p>	 <p>Photo Credit: Jomegat's Weblog</p>
<p>Water Shield</p> <p><i>Brasenia schreberi</i></p>	<p>An aquatic plant with stems up to 2 meters long. This plant has small floating leaves and reddish purple flowers that have 6-8 petals. This plant is native.</p>	 <p>Photo Credit: Shannon Sharp</p>
<p>Bladderwort</p> <p><i>Utricularia spp.</i></p>	<p>An aquatic plant with leaves containing small sacks that trap small invertebrates. This plant usually has unrooted stems that easily tangle with other plants. In the water, this plant tends to look cloudy or slimy. This plant is native.</p>	 <p>Photo Credit: frenchhill.org</p>

**Table 2.** Dissolved oxygen levels and temperatures at the deep hole.

Depth (Feet)	Dissolved Oxygen Levels (mg/L)	Temperature (F)	Percent Dissolved Oxygen
2	7.24	80.4	94.9%
4	5.49	78.3	70.5%
6	0.11	75.0	1.4%
8	0.04	70.3	0.5%