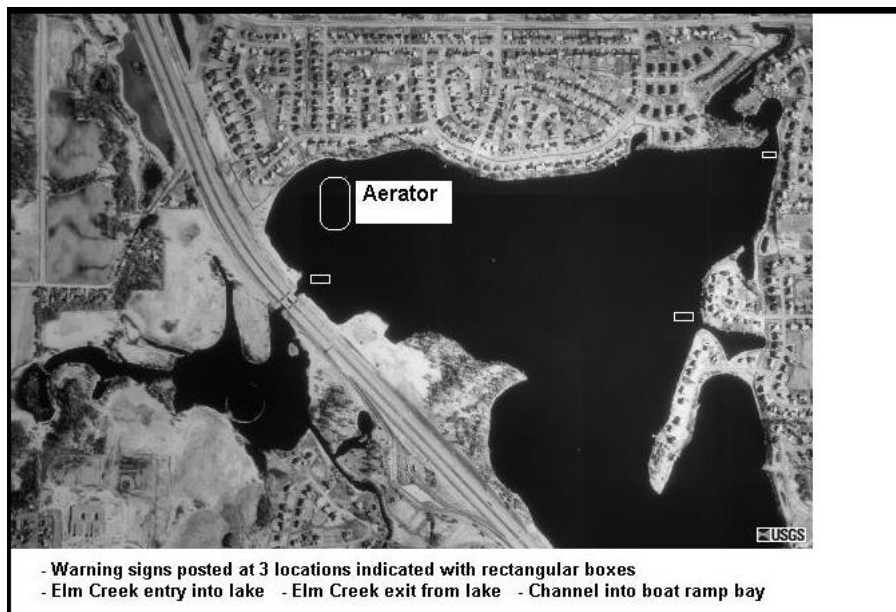


This document will serve as running history of when the Rice Lake winter aeration system was initially set up (12/28/2002) and when it was put to use in future years. The objective for the winter aeration system was originally to provide additional oxygen to the lake to help aquatic life (fish) survive during winter drawdown events. It was later suggested to be used to help sustain the aquatic life (fish) whenever potential harsh winters would be expected, especially after the natural winterkill of thousands of fish during the winter of 2013-2014 (see photos below).

Rice Lake Winter Aeration log

Year	Aerator Location	Operational start date	Operational end date	Comments
2002-2003	Bob Cremer's	12/28/2002	4/1/2003	Drawdown done; aerator run in temporary location
2003-2004	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
1/8/2004	Off 15573 91 st Ave	N/A	N/A	Aerator power installed by Dymanyk Electric
2004-2005	Off 15573 91 st Ave	10/11/2004	3/11/2005	1 st year where aerator run from permanent location
2005-2006	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2006-2007	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2007-2008	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2008-2009	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2009-2010	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2010-2011	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2011-2012	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2012-2013	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2013-2014	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2014-2015	Off 15573 91 st Ave	10/24/2014	3/30/2015	Drawdown done; aerator was run
2015-2016	Off 15573 91 st Ave	1/15/2016	3/12/2016	No drawdown done; aerator run to protect stocking
2016-2017	N/A	N/A	N/A	Aerator not used this winter; no drawdown done
2017-2018	Off 15573 91 st Ave			No drawdown done; aerator run to protect stocking
2018-2019	Off 15573 91 st Ave			No drawdown done; aerator run to protect stocking
2019-2020	Off 15573 91 st Ave			No drawdown done; aerator run to protect stocking
2020-2021	Off 15573 91 st Ave	12/28/2020		No drawdown done; aerator run to protect stocking

2004-2005 Winter Aeration map



The original winter aeration system consisted of a single 2hp Aeromix Aqua Tornado surface aspirating float & motor, 350' feet of power cable on a drum, 30 10' PVC lengths (for covering cable for drawdowns), 20+ Thin Ice signs, 4 DNR Warning signs, 3 heavy river anchors and the aerator power panel and meter. This system is available for sale if anyone is interested; contact us at ricelakeassoc@comcast.net.

Aerator motor and float (without outrigger PVC)



Aerator motor and float (redesigned for more support in 2017 with outrigger PVC)



4 DNR Warning signs



20+ Thin Ice warning signs



Aerator cable/drum (approximately 350' length)



Aerator Power Panel and Meter site at 15573 91st Ave (12/2017)



Aerator panel site (overhead – approximate)



2013-2014 Winterkill (natural without a drawdown conducted and no winter aeration conducted). Heavier than normal snowfall and colder than normal temperatures were experienced this season

4/10-11/2014 under I-94 overpass at culvert to Fish Lake



4/10-11/2014 under I-94 overpass where Elm Creek enters Rice



In 2019, the above water winter aeration system was replaced with an underwater diffuser system. See below for photos and more information.

Holes drilled to open up water for 6 diffusers marked by duck decoys on the surface. Swans and other waterfowl quickly gathered in the area.

