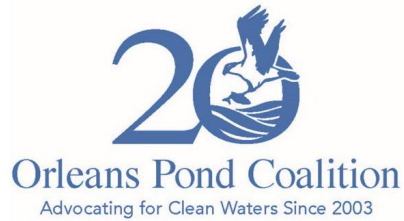


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HAPPY NEW YEAR From the Orleans Pond Coalition



Moon rise at Nauset Harbor, October 28, 2023. Photo taken from Snow's Landing.

We have a few important insights to share in this first message of 2024

We ask that you support Crystal Lake!

The Friends of Crystal Lake is leading a petition to gain approval for an alum treatment in Crystal Lake.



Why should you care?

Crystal Lake is one of Orleans' jewels, but it's classified as an 'impaired' lake due to low dissolved oxygen (DO) conditions.



This past fall, OPC's cyanobacteria monitoring work with APCC identified a bloom at Crystal Lake which resulted in a public use advisory between October 4th - November 1st. Further, our Marine and Freshwater Quality Committee has reaffirmed its support for treating Crystal Lake with alum.

OPC is supporting this petition, and we are asking for your support also. A link to the petition can be found here:

[Sign the Crystal Lake petition](#)

If you would like more information about alum, here's a link to the October 11th Marine and Fresh Water Quality Committee meeting which discussed alum treatments.

Although this meeting was geared towards Pilgrim Lake and Article 32, (the Article for an alum treatment at Pilgrim in last fall's Orleans Town Meeting where it passed 217-57), it's applicable to the alum treatment request in Crystal Lake.

[More information about Alum](#)

**Technical Review of OPC's
Oxygenation Demonstration Project
now available on our website**



The annual report reviewing the research data we've gathered for our oxygen



demonstration project at Sarah's Pond is now available on our website. This report has been created by Environmental Consultant Ken Wagner, Ph.D., President, Water Resource Services.

Sarah's Pond Report

With 2023 being the final year of our planned oxygen demonstration program, this report is thorough and covers all years of the program (2018-2023).

Overall, the research demonstrates that controlling anoxia at the sediment/water interface will effectively improve the pond's 'health.' This means that release of phosphorus from the soil is prevented, overgrowth of algae (especially cyanobacteria) is controlled, clarity is improved, and pond odor is improved. In this regard, overall, the oxygen saturation technology system at Sarah's Pond has demonstrated its ability to enhance conditions.

However, the work has also shown equipment reliability is a key factor for success. During the 3 years with the Oxygen Saturation Technology (OST), the key issues preventing stronger results was interruption of equipment performance. To this end, OPC, Gantzer Water and SOLitude Lake Management made significant changes and improvements in the equipment since initial installation in spring 2021. These changes and improvements enhanced reliability and resulted in the best results of the program in 2023.

A short technical summary is included in the review to allow for easy digestion of the research insights. However, we do recommend that you read the entire report to best understand the insights and progress achieved with OST at Sarah's Pond.

Visual impact from oxygenation:





Sarah's Pond experiencing a cyano bloom, July 2021



Sarah's Pond August 2023: Pond conditions are good.

As next steps, we are now exploring creative ways to better understand the long-term effects of oxygenation with the owners around Sarah's Pond.

OPC Board Elects 2024 Officers

Officers

Eric Spengler	President
Clint Kaiser	Vice President
Jamie Demas	Treasurer
Clyde Hanyen	Secretary

We are excited for you to join the Orleans Pond Coalition during this very special year by becoming a member, volunteering, participating in our programs and events, or telling your friends about us. With your help, we will safeguard Orleans's most precious resource: our waters.

Follow us on Facebook and Instagram...



Orleans Pond Coalition

Advocating for Clean Waters Since 2003

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