Aurora Lake Association Board of Directors	
Name	**Present**
Matt Kolar	Yes
John Vargo	Yes
T.J. Asher	Yes
Mike Laur	No
Joe Kovatch	Yes
Dawn Kohn	No
Dawn McLendon	Yes

Docket

Owner	**Topic**
Kovach	Present responses to questions John V sent to Ed @ Aquadoc
Kovach	Finalize approval for copper sulfate spot treatments
Kovach	Discuss carp management options/quotes
Vargo	Aquatic vegetation

Algae Spot Treatment Questions Review

- Are "moments" defined explicitly as "moments where cyanobacteria are condensed due to wind and water movement"?
    - Joe's additional suggestions
        - When contained in less than ~2 acres of area
        - Rely on treatment professional to determine when area is too broad
- How can we identify (in a manner that is timely enough) that the algae that would be treated is causing "aggressive cyanobacteria growth"? There were cases last season where observed algae did not show toxicity signs from the water testing results. It seems the trending notion would be to treat algae upon first sighting, especially if we're being influenced by the community "stakeholders" who may not have insight that there are varying degrees of concern about "algae" and are rushing to application as the end-all solution as Ed warned against. Ed report notes that algae is a natural occurrence in freshwater Ohio lakes--this isn't a swimming pool that we're managing, after all.
    - Discussed and clarified intent of question
- Are there any other conditions, such as temperature, recent/forecasted rainfall, time of season, etc. that go into it? This would help to assess if the conditions are present to

lead to "aggressive growth" or if there's a more likely chance the bloom will dissipate naturally.
    - Discussed and agreed that "opportunistic" treatment (early spring to "head off" algae issues) is not the intent of our algae spot treatment strategy.
- What would be "over-rate" applications? We currently do not have any visibility into the undocumented applications being performed in the channels. Is it 5 applications in a season? 10? a specific amount of chemical added per year? We propose a mechanism to track this once we know what to target assuming any community-led applications are shared with the board.
    - Discussed setting a maximum applications per year, 2-4 spot treatments.

Next step: wait for Ed to respond, formalize the criteria, and move forward with enacting a process.

Carp Removal

- Reviewed results of reference checks
    - First reference -- Solitude actually added grass carp to their lake--not a relevant reference
        - Email attached below
    - Second - happy with Solitude, carp population has been reduced and water quality has been improving, however their net results were underwhelming and most of the removal was driven by the electrofishing.
        - Email attached below
- Practical Options we have for carp management
    - Bowfishing
    - Electrofishing
    - Net trapping
- Discussed that the price tag for carp net system is overboard, too many frills in the estimate.
    - Aligned that between the reference feedback and cost that board will not pursue the net trap option
- Resolution: Focus on electrofishing as primary action
    - Consider multiple events -- 3-5 this season if it can be scheduled like that
    - Noted poor results in 2023 (38 total carp harvested) as caution for selective timing/conditions
    - Gather estimates
        - Include a fish study with the May one
    - Include population survey of carp regardless
        - Include at a minimum assessment of density, age
    - Joe: Quote form Solitude, Carp Solutions, AquaDoc, MAD Scientists
    - John: quote from EnviroScience

Aquatic vegetation / Macrophytes

- Pick up early 2024 communications with EnviroScience for planting vegetation
    - John: Include RFI for plant advice when contacting EnviroScience

Emails:
From: Tracy Chandler <tchandler@lmoa.org>
To: Matthew Kolar <matthewdkolar@yahoo.com>
Sent: Wednesday, February 19, 2025 at 07:33:14 AM EST
Subject: RE: Reference for Solitude Lake Management carp removal
Hi Matt,
We actually had Solitude add grass carp to our lake to kill off hydrilla, so our services may be different but I can give you some info on Solitude.

- They are fish biologist more than lake health(they are lake health experts but fish seems to be their passion) and I trust their opinion anything fish related. I did an internship with Virginia Game and Inland Fisheries a long while back but I can tell their methodology mirrored the States Fish Biologist. Your carp removal proposal is a logical approach the department I did my internship with had with the New River to improve sport fishing.
- They speak in terms I can understand- I am not a biologist
- They use a practical approach that isn't heavily driven on science which is much easier to explain to the community what is going on. Instead of 30 soil samples to see what locations were best for plants, they planted series of plants to see which ones grew where.
- I do not feel like they recommend things for the money/contract. They provide their honest opinion and you take it or leave it. We have had community members looking to have us install a Lake Aeriation system at over $1 million. This would be a great project for Solitude but they advised us against it for a number of reasons.

I hope this helps. Let me know if you need anything else,
Tracy Chandler

On Tuesday, February 18, 2025 at 04:02:15 PM EST, David Rothstein <drothstein@rothsteinlawfirm.com> wrote:
Matt. I can't say enough good things about our experience with Solitude. Our lake a 165-acre lake at the base of the escarpment of the Blue Ridge Mountains. There are approximately 120 homes on or around the lake. The original proposal to hire Solitude with a 5-year plan costing a total of about $500k was hotly debated among our members, but was approved with about 56% of the vote at our annual meeting in the Spring of 2022. It is the best thing we could have done for our lake. The population of common-carp that were literally taking over the lake has dropped precipitously; natural spawning of game fish is booming; other wildlife such as turtles, waterfowl, and otters have also proliferated; and water quality and clarity have noticeably improved. I am an avid fly fisherman, and the size and quantity of the desirable game fish (large-mouth bass, bluegill, sunfish, and crappie) have exceeded our expectations. I have been the chair of the lake improvement committee from the beginning of our contract with Solitude and have worked with them closer than anyone else on our lake, although there has been a lot of community

volunteer help through my committee. The community satisfaction with Solitude has been tremendous, and the second and third years of the contract have been approved by increasing majorities of 70-75% of our membership. We were able to implement the Solitude program without having to increase dues or call for any special assessments. If you would like to discuss this further, please feel free to call me. My cell phone number is (803) 920-3571. Dave

David E. Rothstein
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