

Notes from
Lake Savers Presentation to
Maceday Lotus Lakes Community
September 20, 2016

Background

- Natural oxygen conversion happens only twice a year--Aeration makes this happen more often
- Weeds grow from lack of oxygen in the deepest parts of lakes which affects the entire lake

Lake Savers Solution: Laminar Flow Aeration

- Units would be put in deepest part of the lake with shore units (noise is equivalent to an air conditioner unit)
- Cost is estimated to be \$400-\$600 per year per household
 - Contracts are a lease, usually for 5 years
 - There are performance clauses
 - Would need a SAD or Government Lake Board
- Not for shallow covers, canals or shorefronts
- John opened the meeting saying that most solutions need a balance between natural methods and herbicides and we need to figure this out as a community. He said lakes can lightly treat invasive weeds and stay healthy.

Bioaugmentation

- Proven over time not to be a problem
 - Non GMO
 - Non pathogenic
- All have to be reviewed and approved by the DEQ
- Some debate about whether it is needed--it is primarily to accelerate the process

Other Lakes

- Their customers are 20 lakes and 50 ponds
- Watkins Lake
 - Lake Savers is recommending that they start with addressing the storm drains
- Indian Lake
 - They have chosen to do spot treatments and it has worked well

Aeration in our lakes

- Maceday
 - Too deep for Lake Savers system
 - Does not have the lack of oxygen problem
- Lotus
 - Does have issue with lack of oxygen at the end of the summer
 - System would go in the deepest part of the lake
- Both
 - Our lakes primarily have mineral sediment: Aeration is for organic sediment
 - Aeration or bubblers in canals are not effective

Recommendations/Suggestions

- Focus on filtering storm drains
 - Any drains that have “chocolate milk” around them after a storm are dumping nutrients and pollutants into the lake
- Look into suction harvesting for Starry Stonewort

Phragmites

- John said that his system cannot address Phragmites since they are not submerged in the water
- He said that Phragmites is a bad plant and we need to act on it fast and that spot treatment with chemicals is the only solution he is aware of