

Why OUR Lake Needs OUR Help:

- * Eagle Lake currently has up to 6' of muck in the Central and West Basins, and up to 15' of muck in the East Basin
 - * Decreasing lake depth
 - * Decreasing lake enjoyment
 - * Eventually decreasing lake property values
- * Weed control is not solving our problem
 - * Natural filter is being minimized
 - * Muck is increasing due to increased nutrient loads

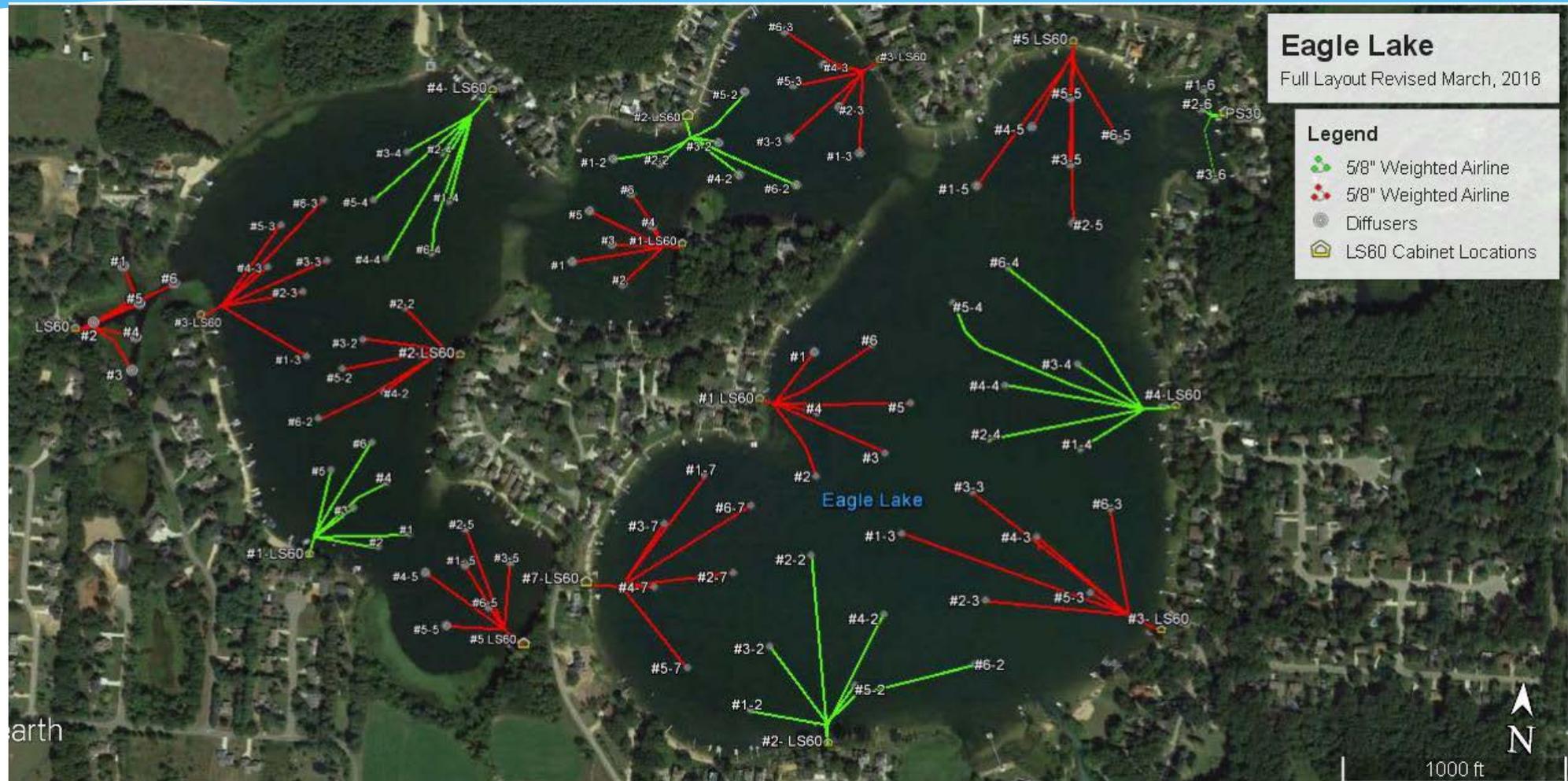
WHY AERATION

- * Natural way to fix OUR lake problems(weeds, muck)
 - * No chemicals
 - * Long term solution
 - * No long term disruption to the lake ecosystem

How Will Aeration Be Implemented?

- * Air compressors will run diffusers that are strategically placed within the lake
 - * 15 compressors placed around the shoreline
 - * Each compressor has multiple diffusers running into the lake, which are placed based on lake depth and muck levels
- * Bioaugmentation will be used in addition to the diffusers.
 - * Natural, non chemical way to assist the aeration process

Proposed Plan



What Can We Expect?

- * Muck Reduction
 - * Minimum of 1-2 inches per month (Minimum of 8-16” per year)
 - * System runs for 8 months
- * Natural Weed Reduction
 - * Aeration reduces the nutrients that weeds feed on
- * Clearer Lake Water

Before and After Pictures



Where Are We In The Project So Far?

- * The aeration committee, along with the board, has extensively done the following:
 - * Researched the science of aeration
 - * Researched the results of aeration on local lakes
 - * Met with several vendors to determine the right system for Eagle Lake
 - * Checked references of all vendors
 - * Unanimously picked AirMax as the right system for Eagle Lake

DID YOU KNOW THAT EAGLE LAKE IS A SPRING FEED LAKE?

AERATION CAN BRING OUR LAKE BACK TO ITS
NATURAL ENVIRONMENT

Aeration Company Picked and Why

- * AirMax has been chosen for Eagle Lake
 - * Most cost effective
 - * Scientifically proven
 - * Less maintenance
 - * Smaller Compressors
 - * Worldwide Manufacturer

Approximate Cost to Lake Residents

- * Lake Front Property Owners
 - * \$2060 broken up over 5 years
 - * \$412 per year
 - * That is **ONLY \$1.13 per day** to make **YOUR** lake beautiful again!!
- * Back Lake Lot Property Owners
 - * \$520 broken up over 5 years
 - * \$104 per year
 - * That is **Only \$0.28 cents per day** to make **YOUR** lake beautiful again!!

A new SAD will be implemented to pay for the aeration project

SAD 1 vs SAD 2

- * SAD 1 is currently in place for lake maintenance and is on going
- * SAD 2 will ONLY be used for the aeration project and will ONLY be for 5 years. SAD 2 will terminate at this time.
- * It is hopeful that SAD 1 will be able to maintain the cost of the aeration system after the 5 years
 - * Less weed herbicides will be needed, if needed at all

WHAT IS NEXT?

- * Restorative Lake Services has started the water sampling needed by the Michigan DEQ
 - * 3 sample times, in 5 sample locations during the year prior to aeration system installation
 - * Same sample parameters required for 2 other years within a 5 year period of the aeration project
- * Gain residents signatures of approval on the petition to move forward with the aeration project
- * Once enough signatures are gathered, the township will need to hold two public hearings
- * Our goal is to collect for the new SAD on February taxes and install the system in the Spring

Would you like to help?

*For questions regarding the aeration project please contact an aeration committee member or email
Krista Burkeen at kristaburkeen89@gmail.com*

COMMITTEE MEMBERS

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