

Bone Lake Management District Committee Reports for August 2020 meeting.

Watershed Committee

Purpose — Improve water quality of runoff coming from watershed beyond the Bone Lake properties. In 2020, we have done some needed follow up maintenance on prior projects installed however no new stream projects. We encourage property owners who have concerns or questions regarding any stream on their property to contact committee chair **Ann Miller** at ann.russ.miller3@gmail.com or 612-867-7872.

Waterfront Runoff Committee

Purpose — The Waterfront Runoff Committee continues to serve as a resource for Bone Lake Property owners to use in their efforts to reduce runoff into the lake that contributes to algae growth and which impacts water quality and clarity. The Waterfront Runoff Committee provides free, no obligation advice and best practices for the mitigation of waterfront runoff as well as availability of funds to help offset the cost of waterfront runoff mitigation projects that the owner may wish to install.

If you would like to take advantage of available cost share dollars for a runoff mitigation project at your property, please call [Mary Chorewycz](tel:651-454-9456) at 651-454-9456 to discuss and schedule a free, no obligation, site visit.

In the coming fiscal year, there are three major projects in the works, including work at Wilkins, plus five potential smaller waterfront runoff mitigation projects. These projects are either covered fully or partially by grant dollars currently available.

Please consider how runoff from your property may affect quality and clarity of Bone Lake and what YOU should/can/might do to help preserve our lake.

Septic System Incentive

If you think you may have a non-conforming septic system, and are ready to make a change, the Bone Lake Management District is offering a cost share incentive of up to \$2,500 to assist with upgrading your system to one that conforms, that is, one that prevents runoff and phosphorus from the septic system into the surrounding ground/ground water and eventually into Bone Lake. Please contact the District's Septic System Ranger, Dick Mackie at 715-857-5205 or e-mail at: seesallyrun@lakeland.ws

Alex Chorewycz achorewycz@yahoo.com

Evaluation and Studies Committee

Purpose — Perform as-needed studies to help us further understand actions needed to improve the lake.

Activities include Citizens Lake Monitoring which includes water samples and secchi disk readings.

Secchi Disk and temperature readings done during summer by John McCall and Bob Boyd
Secchi disk July 28, 2020 of 11.5 feet, compared to July 12, 2019 at 6.5 feet, 14 feet in 2018 and 6.5 feet in 2017 at this time. As of mid-July, the lake is stratified

Complete information at dnr.wi.gov/topics/surface/swims

Lake Monitoring and Aquatic Invasive Species (AIS) Committee

Purpose – Help protect the lake from new invasive species by monitoring the lake and boat landings, providing watercraft and trailer inspections plus needed education to boaters.

1. Member of Polk County Zebra Mussel (ZM) task Force

Implementing Bone Lake ZM prevention and detection strategy – ZM plate samplers, boat docks and hoist inspections by lake residents and water ZM DNA testing

Potential Consequences from Zebra Mussels

- Displace native species,
- Disrupt ecosystems
- Hamper boating, swimming, fishing.

2. Curly Leaf Pondweed. Treated 31 acres which included navigation channel into the lagoon

3. Continue Clean Boats Clean Waters at North and South landing- Bob Boyd and Dick Mackie

Boat Inspections	2019 - 963
	2020 - 564 to July 25
People contacted	2019 – 1,950
	2020 – 978 to July 25
Cameras	2019 launches 2,487
	2020 launches 2,079 to July 26
	3 reported violations to July 26

4. Lake monitoring: Zebra Mussel sampler plates monitored by lake residents, point intercept survey to determine the type of aquatic plants and distribution. Random shoreline inspections for AIS.

Bob Boyd @ boydsnest@lakeland.ws

Fisheries Committee.

Purpose – Improve and protect Bone Lake Fishery

Musky population information: The results of the 2017/2018 WDNR musky surveys conducted on Bone Lake a complete description is on the Bone lake website.

Walleye stocking: A review of the potential for stocking walleyes in Bone lake from Aaron Cole WDNR Fisheries Manager is on the Bone Lake web site. Bone Lake is not a good candidate for walleye stocking.

Other activities: resetting half log cribs, smallmouth bass inventory, research and collect data on Black Crappie Sarcoma.

Bob Boyd @ boydsnest@lakeland.ws and Mike Belich at michael.belich@unisys.com

Boat and Water Safety Committee

Places and maintains the 32 buoys and provides education on needed boater safety. A reminder that Wisconsin law requires those born on or after January 1, 1989 to pass a boater safety course and to carry a boater education card.

This summer, in response to the boat safety concerns, the Polk County Sheriff department has scheduled a few more weekend patrols on Bone Lake.

Also, to further enhance our boat safety communications, we would like more members on this Boat and Water Safety Committee. If interested, please contact Mike Musial.

Mike Musial 612-207-5254

Wildlife and Natural Beauty Committee

Purpose — Protect and enhance Bone Lake's natural beauty, wildlife populations and wildlife habitat. Help property owners learn to provide essential wildlife habitat at their lakeshore; increase awareness and enjoyment of Bone Lake's sensitive and natural areas, aquatic plant life, and the lake's fisheries, birds, and animals; enhance enjoyment of the lake's natural beauty.

The committee works to:

- Educate property owners about our lake's wildlife and its sensitive areas;
- Demonstrate ways to improve habitat at your property and protect our wildlife;
- Address issues of aesthetics, such as lakeshore lighting;
- Establish etiquette about noise and quiet hours.

This year the committee installed a Purple Martin Colony at Don Langel Park, north landing, funded by the District and a generous donation from Bone Laker, David Klopp, who has four houses on his shore. The north landing colony features 14 nest boxes and four nesting gourds; with owl bars, perch with PM decoys, a custom steel pole, and a winch to raise and lower the house. The committee is seeking property owners interested in hosting a purple martin colony at their shore.

Karen Engelbretson karenengelbretson@icloud.com or Cris Dueholm cduholm@hotmail.com

Communications Committee

Purpose — Create and manage the District's communications and messaging: bi-annual Bone Lake Newsletter, Bone Lake eNews, our website, bonelakewi.com, and facebook page, BoneLakers. Content originates with the District board, committees and Bone Lake property owners.

Recently, the Bone Lakers facebook community took on the issues of boating safety, law enforcement and wildlife management, among other topics. Comments and exchanges were not always cordial. The committee seeks those interested in working to establish rules and monitor communications online.

Karen Engelbretson karenengelbretson@icloud.com

Alum Committee

At last year's annual meeting, the alum committee recommended not to use alum at this time because of a 6 to 5 committee vote. Due to the annual meeting participants interest in pursuing alum, the Board approved at their October 2019 meeting to hold an alum treatment vote at the 2020 annual meeting.

Unfortunately, Covid 19 has made it exceedingly difficult and not safe to provide the needed pre vote education and to hold the vote at the 2020 annual meeting. As a result, at the April 2020 commissioners meeting it was approved to cancel the scheduled alum vote and to have a fall survey to solicit interest in treating Bone Lake with alum. Based on this survey input, the commissioners will decide at the October 2020 meeting if to schedule at alum vote at the 2021 meeting.

The current proposal for Bone Lake alum treatment includes these conditions:

- Four alum treatments over a period of 9-10 years,
- The alum would improve water clarity 2.5 to 3.0 feet in late summer and hopefully reduce the toxic algae blooms
- Total projected costs would be approximately \$2.6 million
- Will not use bank financing but a pay as we go approach
- Funding would come from at least one DNR grant for \$200,000, \$200,00 of District Cash, and the balance from Bone Lake District property owners that have deeded lake access

More details regarding alum is on the District website at www.bonelakewi.com

Phil Foster at philsuefoster@lakeland.ws or 715-553-0719

Reduced Wake Committee

Purpose —

- Review the high water issues and make recommendations that would reduce the damage or erosion to the lakeshore.
- Address specific issues of shoreline erosion due to wakes from watercraft driving within 100 ft. of shoreline (ordinance).

Two motions are being submitted for voting at the annual meeting.

If either or both motions pass, we will move forward to work with the DNR and local Townships to create an ordinance for Bone Lake.

Cary Olson @ 612-581-6626

Aquatic Plant Management Plan

Plan presents a strategy for managing aquatic plants by protecting native plant population, alleviating nuisance condition, and preventing establishment of invasive species.

Plan was last updated in 2013 and is required for getting permits for invasive plant control and to receive grant funding from the WI DNR.

Aquatic Plant Management Goals

GOAL 1. Maintain recreational uses important to lake residents and users while preserving important native aquatic plant functions and their values.

GOAL 2. Prevent introduction of aquatic invasive species.

GOAL 3. Manage curly leaf pondweed to minimize navigation problems and protect native plant populations.

GOAL 4. Protect the natural functions of diverse native plant communities.

GOAL 5. Educate lake residents and visitors about the goals and objectives of the aquatic plant management plan.

The plan was submitted to the WI DNR on April 29th and we received approval from them on May 15th, 2020. We are looking for approval of this plan at the annual meeting.

Full details of the plan can be found at:

<http://www.bonelakewi.com/APM%20REVIEW/BoneLakeAPMPlanReview2020.pdf>

Cary Olson @612-581-6626 and Bob Boyd @ boydsnest@lakeland.ws