

**A REGULAR MEETING OF LEELANAU CLEAN WATER (LCW) WAS HELD AT 9:00 AM ON THURSDAY,
JUNE 19, 2014 IN THE COMMUNITY MEETING ROOM OF THE LEELANAU COUNTY GOVERNMENT CENTER,
SUTTONS BAY, MICHIGAN**

1. Call to Order

Sarah Litch called the meeting to order at 9:00 AM

2. Welcome & Introductions

Buzz Long, Leelanau Conservation District
Sarah Litch, Glen Lake Association
Mike Litch, Glen Lake Association
Rob Karner, Leelanau School, GLA
Yarrow Wolfe, Leelanau Conservancy
Len Allgaier, Little Traverse Lake Conservationists
Chris Otto, Sleeping Bear Dunes National Lakeshore

Sam McClellan, Grand Traverse Band
Denny Becker, Glen Lake Association
Susan Wheadon
Carol Peterson, South Bar Lake
Tom Dunfee, Little Traverse Lake
Wayne Swallow, Lake Leelanau Lake Assn.

Public: None

Staff:

Kristin Smith, Senior Planner

3. Consideration of Agenda

Smith requested that the 2015 Budget be added under New Business. The 2015 Budget was added as item A, under New Business.

The agenda, as modified, was accepted by consensus.

4. Consideration of May 15, 2014 Meeting Minutes

No changes were made to the minutes.

The minutes were accepted by consensus.

5. Public Comment

Stacy Daniels noted his book on the lowering of Crystal Lake will be out in August. Daniels details the story of Archibald Jones and the Benzie County River Improvement Company. Jones was known as "The Man Who Pulled the Plug on Crystal Lake."

6. Staff Comments

None

7. Communication Items

Fracking

Litch noted fracking will be the topic of the afternoon sessions with Jim Olson discussing how to develop township ordinances to address fracking issues and impacts.

Water Sampling

Allgaier briefly described the efforts to hook up everyone doing water sampling to a master display, in order to determine who is sampling what and where, and then to drill down to the results at the individual sites. He noted John Ferguson is the person working on the interoperability issues between the various software utilized by organizations.

Long addressed an article mentioned by Allgaier concerning the USDA and partnerships to protect soil and water. He noted there is a group headed mainly by conservancies (Grand Traverse Regional Land Conservancy & The Leelanau Conservancy), Rotary Charities, the conservation districts and the Watershed Center. He said it is all about partnerships through the USDA. There is considerable money available to have these groups help implement conservation practices and create permanent easements. He noted it is for a five year period. Wolfe commented that it is mostly about money that goes directly to a producer, to implement practices on the ground such as a forest upland owner or agricultural producer. She noted they are still learning about the program. Allgaier wondered if it might be a resource for some of the initiatives that come from Leelanau Clean Water (LCW).

Litch noted a representative from agriculture (organic and traditional) is needed for LCW; this is an issue that we need to work on. She mentioned an Empire resident felt herbicides, pesticides, fungicides and the water should be more of a focus for LCW. Litch invited her to come to LCW to work on the issue.

Litch mentioned the Water Sampling Manual should be finalized next week. She still needs additional info from the National Park and Conservancy. Once finalized the manual will be posted on the website: www.leelanau.cc She noted the manual will be updated every two years.

Nutrient Loading

Karner mentioned in previous reports he has been working on a septic ordinances on a township by township basis. The first township in the county to have a point of sale septic ordinance is Glen Arbor. He said he is now on the agenda in Empire and Kasson Townships. He noted Glen Arbor and Empire represent 90% of the shoreline on Glen Lake.

He also reported the Hatlem Pond dredge is under way. They are in the third week of dredging and have removed 8000 cubic yards of sediment. The pond will go back to a settling pond to trap nutrients. Karner said they are closing in on the finish line and briefly discussed issues involved. He mentioned on the south shore of Big Glen Lake there is a brown plume. Halfway through the dredge they had favorable winds move the plume out. The plume does not contain sediment, but it does contain tannins, which produce the "tea" color. Karner stated the Septic Ordinance was reviewed by Attorney, Dick Figura.

Litch said there were 750 -1000 kayaks involved in the M22 Challenge. The kayaks were power washed and owners were educated about invasive species. She mentioned many have begun to wash their kayaks as part of their routine. She noted the National Park was very strict if the kayaks had not been hot power-washed they could not be put in the water. Mike Litch mentioned the M22 Challenge paid for new invasive pamphlets, provided brochures to participants, as well as to replenish supplies in the boxes located at the boat launches.

Long commented the permits for spraying Phragmites have been submitted. There is funding available for surveys but not for spraying. The Conservation District will be going to the townships to request funding. Inland treatments have been covered by the landowners.

Reports from Leelanau Clean Water Members

Peterson announced as of May 24th, Little South Bar Lake in Empire is an official Lake Association.

Karner discussed the Glen Lake Association's educational efforts, which involves taking people on a pontoon boat on the lake and talking about how to keep the water clean, taking samples and promoting awareness. They have about four "schoolships" in summer on Fridays in July and one in August. He noted the young kids really

enjoy the hydrolab, secchi dish readings, chlorophyll A and plankton samples. They love learning about the water as well as the fact that there is more to the water than meets the eye.

New Business

Budget

Allgaier, Long and Litch planned to meet as the Executive Committee to put together ideas for the budget for 2015.

Wayne Swallow – Swimmer’s Itch Study

Swallow has been working this Swimmer’s Itch Study for 5 years and has sought input from Crystal Lake and Higgins Lake. Shistosomes is a malady in tropical areas, causing itching, created by parasites. He decided to examine it from this perspective. The American Journal Tropical Medicines & Hygiene contained a study of an enzyme that dissolved the skin of the cercariae (parasite). He found the study to be very interesting. In the study, a cosmetic carrier was used to carry the active ingredient in order to block the cercariae (parasite). It was found to prevent 100% of the cercariae from penetrating the skin.

Swallow is working with Barnett Products, Inc. who has the licensing for this ingredient. He is looking for 30 volunteers from various lake associations. You must be 21, or 18 with parents’ permission and must sign a liability waiver to participate as well as attend an educational meeting. The next meeting will be in July. The protocol is that you need to go in the water 5 different times for at least 20 minutes and complete the logs. If people become uneasy, they may withdrawal from the study. To participate, visit www.lakeleelanau.org and click on the link. As an incentive to participate in the study, if it does turn into a useful product, participants will receive four free containers from the first market run. If you want to follow the study, but not volunteer, just answer “no” to volunteering. Swallow hopes to have the product on the market next spring. He noted it is not a repellent. It is a cosmetic.

Swallow addressed the question of whether there is a product on the market commercially available today. He mentioned *Itch Guard* is on the market however, it was not 100% effective as claimed by the manufacturer.

Adjourn

The meeting adjourned, by consensus, at 9:30 AM.