

Weed Committee Report – GLA Board Meeting – 7-27-2017

- Since the 6/26/2017 board meeting Rollins Aquatic visited the lakes x times and performed the treatments detailed below.
- Goose Lake has used up their allotment on acres treated for 2017 so we will be using some of the unused acreage from Lincoln as needed.
- Overall the lakes look good and if you go to the website and view the notices you can see where Chris from Rollins has plotted the areas where we are seeing native plant growth. We will not treat these areas unless the invasive species of plants begin to take hold.

Lake Notes 6/29/17

Goose Lake: Water level up 2" **73.3 degrees** **6.26 mg/L**

Contracted treatment acres: 10 Acres

Treated Acres to date: 9.5 Acres

Today I inspected the lake for nuisance weed growth and treated Muskie Channel for algae control. I also inventoried native plants that are growing. I noted a large amount of milfoil within the boat launch bay and leading into the side channel. I have scheduled a treatment for this area next week. I was rained out shortly after treating Muskie channel for algae. I was able to inspect the finger channels and they are in good shape after the previous treatment. While I was loading the boat up a resident stopped me to say that there was a large amount of Milfoil on the northwest end of the lake. I believe this area is part of the fish habitat area. I will check it out next week and decide if treatment will be required or not. After next week's treatment, we will have reached the max treatment acres for the season. If any other treatments are required it will be an additional cost or we will need to take some of the acreage from Lincoln. I will get approval from the weed committee if any further treatments are required.

Treatments performed today:

Algae treatment in Muskie channel. *Does not count against treated acres to date.

Treatments scheduled for next week:

Boat launch bay and part of the side channel for the control of Milfoil (.5 Acres). *Acreage has not been added to treated acres to date.

Beaver Lake: Water level up 4.5" **76.1 degrees** **6.18 mg/L**

Full Lake Treatment

Today I inspected the lake for weed growth and to inventory areas of native plant growth. The lake overall is in good condition. Most of the algae growth that was treated previously has dropped out. More native plants are getting established around the shoreline. The only area of concern is the Curly leaf pondweed growth located on the south end of Half-Moon Bay. There are a couple areas on each side of the channel. Most of the growth is brown in color and looks to be dead but there are some plants that are alive and well. I have decided to hold off on treating this area for now to see what it does. If it

continues to spread then I will plan to spot treat both areas. I will try to leave the area furthest to the south near the drain for Lincoln lake since that is mapped out as fish habitat.

No Treatments scheduled for next week.

Lincoln Lake: Water level up 1" 78 degrees 7.05 mg/L

Contracted treatment acres: 12 Acres

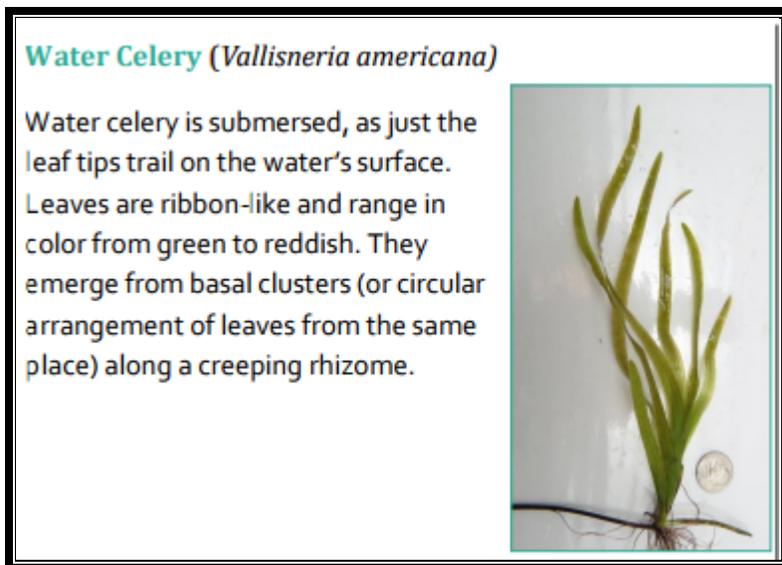
Treated Acres to date: 7.85 Acres

Today I inspected the lake for nuisance weed growth and to inventory areas of native plant growth. There are more areas of native plants that I am noticing each week on the lake. The main species are American Pondweed and Vallisneria, (see inset below). Most of previously treated areas are still looking good with very minor growth present. I have scheduled a few areas to be treated for milfoil growth. I will be using Navigate which is a selective herbicide and will have no effects on the native plants that may be in the treatment area. I will also be treating some algae growth present in a couple of the coves within lot 20.

Treatments scheduled for next week:

1. End of bay on west end of lake near lots 2-4 for milfoil control (.1 Acre)
2. Channel to lots 17-22 for the control of milfoil. (1.75 Acres)
3. The opening to channel near lots 36 and 43 for milfoil control. (.5 Acre)
4. Algae control at lot 20 on south side of lake.

*Acreage has not been added to treated acres to date.



Click on this link for a good reference on aquatic plants. http://www.plslwd.org/wp-content/uploads/2016/08/Fact-Sheet-Aquatic-Plants-Identification-Guide-Large-2016_08_03.pdf

Lake Notes 7/12/17

Goose Lake: Water level up 2" 73.3 degrees 6.26 mg/L

Contracted treatment acres: 10 Acres

Treated Acres to date: 10 Acres

Today I treated the boat launch bay and part of the side channel for heavy milfoil growth. Shortly after finishing the treatment a storm moved in and I had to load up the boat for the day. I will inspect the lake next week. We have reached our contracted treatment acres for the season. Going forward we will need to either use some acreage from Lincoln Lake or request more money from the board. I will get approval from the board before any other treatments are performed.

Treatments performed today:

1. Boat launch bay and part of the side channel for the control of Milfoil. (.5 Acre).
*Acreage has been added to treated acres to date.

No treatments scheduled for next week.

Beaver Lake: Water level up 4.5" 76.1 degrees 6.18 mg/L

Full Lake Treatment

I was unable to inspect the lake due to the weather. I will be back out next week to fully inspect the weed growth and to track the native plant growth.

No Treatments scheduled for next week.

Lincoln Lake: Water level up 1" 78 degrees 7.05 mg/L

Contracted treatment acres: 12 Acres

Treated Acres to date: 10.2 Acres

Today I treated the lake for milfoil growth. I was unable to fully inspect the lake due to the weather. The parts of the lake that I was able to inspect were looking good. I will inspect the lake next week.

Treatments performed today:

5. End of bay on west end of lake near lots 2-4 for milfoil control (.1 Acre)
6. Channel to lots 17-22 for the control of milfoil. (1.75 Acres)
7. The opening to channel near lots 36 and 43 for milfoil control. (.5 Acre)
8. Algae control at lot 20 on south side of lake.
*Acreage has been added to treated acres to date.

No treatments scheduled for next week.

Lake Notes 7/20/17

Goose Lake: Water at normal level 81.8 degrees 7.13 mg/L
Contracted treatment acres: 10 Acres Treated Acres to date: 10 Acres

Today I did an inspection of the lake with Dean Naples, who is a resident on Goose Lake. He wanted to show me some areas on the lake where he was concerned about the weed growth. One of the areas was a side channel that leads to lot 74 on the east side of the lake. This channel is designated as a fish habitat preserve area but there needs to be boat access to the lot. I will treat the middle of these 2 channels so that boat access can continue. Another area is on the west side of the island that follows Muskie trail. This area has a moderate amount of milfoil growth but is also a popular hangout area for the residents of Goose Lake. I will be spot treating the weeds throughout this area to allow for boat access.

The other areas that will be treated only for algae growth are Muskie Trail and all the finger channels. There is getting to be a lot of algae growth on the east portion of the finger channels. Muskie trail has some subsurface algae growth that I will get under control.

The previously treated boat launch area has improved since last week's treatment. Most of the milfoil present is brown and dying off. The finger channels are still mostly clear of weed growth and only have the algae growth present as of now. I will pull 1.5 acres from the Lincoln Lake contracted treatment acres to complete this treatment.

There is a decent amount of milfoil along the shoreline of the campground but I have left it for fish structure. I will leave the rest of the fish preserve habitat alone so long as it does not affect the travel of boat traffic to residential lots. Depending on how the rest of the season goes on Goose lake will decide whether I will recommend performing a full lake treatment next year. There has been more milfoil taking off this year compared to last year.

Treatments scheduled for next week:

1. 2 side channels leading to lot 74. (.5 Acres)
 - Acreage has not been added to treated acres to date.
2. West side of island that follows Muskie trail. There is a large area of milfoil intruding out into the channel. I will treat the middle of the channel to allow for boat access. (1 Acre).
 - Acreage has not been added to treated acres to date.
3. Algae treatments in the finger channels and Muskie trail.
 - Does not count against treated acres to date.

Beaver Lake: Water level up 2.5" 82.7 degrees 7.58 mg/L
Full Lake Treatment

I inspected the lake today and found it to still be in good shape overall. I am noticing more native plants throughout the lake especially in the narrow channel of half-moon. There are some patches of milfoil that are starting in this area as well. Due to the shallowness of this channel I will keep an eye on this growth and treat if needed. The curly leaf has dropped out along the shorelines on the south side of half-moon. There is some milfoil that is taking its place but seems to be sticking to the shoreline and away from the boat traffic. The north end of the lake has cleaned up nicely with minimal nuisance weeds present. I will continue to inspect the lake for weed growth and track the native plant growth.

No Treatments scheduled for next week.

Lincoln Lake: Water level down 1" 83.6 degrees 8.15 mg/L

Contracted treatment acres: 12 Acres Treated Acres to date: 10.2 Acres

I inspected the lake today for nuisance weed growth and to track the native plant community. The lake is in good shape. Previous weed treatments are looking good since last week's treatment. The main channels are clear for boat traffic and the small channels are clear as well. There is one area that I have some concern about that will be treated for next week. This area is the entrance to hatchery bay. There is quite a bit of milfoil that keeps building and needs to be treated. Other than that, the lake is looking good with no other concerns at this time. We will be using 1.5 acres from Lincoln for the treatment at Goose this next week.

Treatments scheduled for next week:

- Retreatment to the entrance of hatchery bay for milfoil control.
*Acreage will not count against treated acres to date.

If you have any questions regarding the lake notes or the scheduled treatments please feel free to contact me.

Thanks, and have a great day!

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