

Weed Committee Report – GLA Board Meeting – 6-26-2017

- Since the 5-22-17 board meeting Rollins Aquatic has made four visits to the lakes and has performed various weed and algae treatments per the lake notes below.
- Water Use Restriction notices have been promptly mailed by the GLA office staff, which is much appreciated. Thanks Bobbie and Tammy.
- We are struggling with the website with regard to posting and managing Water Use Restriction notices and appreciate everyone's patience. Eric has been helping Tammy but in order to make it easy to post important info we ultimately need to look at a new framework for our site. Eric's time is limited but he has helped a lot and that help is much appreciated. Tammy is doing the best that she can with Eric's help but I know she is frustrated as well. If anyone else is concerned about the posting of the info and can offer help it will also be much appreciated.
- Overall it appears that Rollins is in control of the weeds at this point. We are seeing patches of American Pondweed growing (Map to follow) and we will not treat. It would be good if everyone can acquaint themselves with what the "good" aquatic plants look like so we can all help preserve.
- Comparison of contracted acres vs Treated acres as of 6/20/2017:
 - **Goose:** Contracted treatment acres: 10 Acres Treated Acres to date: 9.5 Acres – Remaining .5 Acres*
 - **Beaver:** NA – Full Lake Treatment
 - **Lincoln:** Contracted treatment acres: 12 Acres; Treated Acres to date: 7.85 Acres – Remaining 4.15 Acres
 - **Additional Funding:** Before the weed committee asks for more funds...which we may...we will share remaining acreage from Lincoln with Goose until we have used up our contracted acreage. Additional funding needs WILL DEPEND ON THE WEATHER AND WATER LEVELS.
- Rollins has no lake treatments planned the week of 6/19/2017

Lake Notes 6/14/17 and 6/15/17

Goose Lake: Water level up 3.25" 81.7 degrees 6.35 mg/L
Contracted treatment acres: 10 Acres Treated Acres to date: 9.5 Acres

Inspected the lake today and performed 2 treatments on the lake. I treated the finger channels for duckweed, milfoil and algae control. Also treated the patch of milfoil on the west side of Lake island. Previously treated areas are still improving including the 2 lots on the west end of the lake. Lake should continue to improve with the recent treatments. Only concern right now is some algae that is growing within Muskie channel. I will schedule treatment the following week 6/28.

Treatments performed today:

1. I treated the finger channels for algae, milfoil and duckweed. (2 Acres).
2. I treated the area to the west side of lake island for the control of milfoil. (1 Acre).

*Acreage has been added to treated acres to date.

Treatments scheduled for next week:

1. Algae treatment in Muskie Channel.

*Does not count against treated acres to date.

Beaver Lake: Water level up 5" 81.8 degrees 7.41 mg/L
Full Lake Treatment

Today I treated half-moon bay and the north end of the lake for algae growth. I also inspected the lake for status on weed growth. The remaining milfoil on the north end of the lake has finally dropped out from the surface. This area should continue to improve and look better over time. I noted more areas of American pondweed growth along shorelines. These areas are highlighted in green on the map of the lake. There are no treatments needed next week and my next inspection will be on 6/21/17.

No Treatments scheduled for next week.

Lincoln Lake: Water level up 2.75" 80.1 degrees 6.85 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 7.85 Acres

Today I performed more treatments to dock areas throughout the lake to reduce milfoil and curlyleaf pondweed growth. Also inspected previous treatment areas and found them to be in good shape. I am seeing more American pondweed along the shoreline of the channel off Coal City road. Most of the curlyleaf has dropped out throughout the lake. I will continue to monitor the lake for excess milfoil growth and treat where required. No treatments will be scheduled for the next visit.

Treatments performed today:

1. Lot 2007 for milfoil and curlyleaf control. (.3 Acre)
2. Lots LL2022-LL2027 and LL2033 for milfoil and curlyleaf control. (1.2 Acres)
3. Lot LL4007 for milfoil control. (.1 Acre)

*Acreage has been added to treated acres to date.

No treatments needed next week.

Lake Notes 6/7/17

Goose Lake: Water level up 3" 72.9 degrees 6.98 mg/L
Contracted treatment acres: 10 Acres Treated Acres to date: 6.5 Acres

Today I inspected the lake for nuisance growth and treated the 2 lots on the west end of the lake for milfoil growth. I also applied the MD bacteria pellets in the Bluegill Ct finger and the west end of Muskie channel. Previously treated areas are still in good shape. A lot of the milfoil in the finger channels looks

very stressed but I am seeing algae and duckweed growth starting to take off. I will schedule the finger channels to be treated for algae and duckweed. This treatment should help knock down the remaining milfoil located in the fingers. I noted some milfoil coming up around the west side of lake island and will be scheduling a treatment in this area as well. I am noticing some native plants popping up around the shoreline of the lake. I will try to mark on the map where these areas are in the future.

Treatments performed today:

1. Lots 1058E and 1058W were treated for remaining milfoil control around the dock area. (.25 Acre).
*Acreage has been added to the treated acres to date.
2. MD Bacteria pellets were applied in Bluegill ct. and the end of Muskie channel. This application will be done once per month through October to help reduce organic sediment and nutrient load.

Treatments scheduled for next week:

3. I will be treating the finger channels for algae, milfoil and duckweed. (2 Acres).
4. I will be treating the area to the west side of lake island for the control of milfoil. (1 Acre).
*Acreage has not been added to treated acres to date.

Beaver Lake: Water level up 5.75" 72.6 degrees 7.41 mg/L
Full Lake Treatment

Inspected the lake today and found it to be improving overall still. I did note a moderate amount of algae growth growing throughout the lake. This is most likely due to the dying weeds and excess nutrients in the water. A lot of times when weeds are dying off you will see an algae bloom. The large area of curlyleaf located at the mouth of south half-moon where it widens has mostly broke off from the bottom and is floating along the shoreline. It is alright to rake these areas up onto the shoreline to get it out of the water. The large area of milfoil on the north end of the lake is still dying off. There is a heavy amount of algae growth in this area which makes the weed growth look worse than it is. I will schedule an algae treatment throughout this area and half-moon channel as well. There are no water restrictions for the algae treatment.

Treatment scheduled for next week:

1. Algae treatment throughout half-moon channel and north side of lake.

Lincoln Lake: Water level up 3.5" 74.2 degrees 7.68 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 6.25 Acres

Today I inspected the lake and performed 5 different treatments to minimize milfoil and curly leaf growth. The lake is continuing to look better with the recent treatments. I am seeing more areas of American pondweed growth and have tried my best to document these areas. I will be avoiding any treatments in these areas unless it is agreed upon to treat by the weed committee. I noted a few areas of concern that have been scheduled for treatment next week. The main target will still be for the control of milfoil and curlyleaf. I look forward to seeing more and more native plants coming up soon.

Treatments performed today:

1. Lots 33,34,41,43,48,49,56,58N and 58S for curlyleaf control. (.8 Acres).
2. The bay at lot 3015 for curlyleaf control. (.75 Acres).
3. The dock areas of the west end of Lincoln lake estates for curlyleaf control. (1 Acre).
4. The cove for lots 20 and 21 for milfoil control. (.35 Acres)
*Acreage has been added to treated acres to date.
5. The end of coal city road channel lots 2 and 3 for variable leaf milfoil control.
*This area will not count against the treated acres to date.

Treatments scheduled for next week:

4. Lot 2007 for milfoil and curlyleaf control. (.3 Acre)
5. Lots LL2022-LL2027 and LL2033 for milfoil and curlyleaf control. (1.2 Acres)
6. Lot LL4007 for milfoil control. (.1 Acre)
*Acreage has not been added to treated acres to date.

Lake Notes 5/31/17

Goose Lake: Water level up 3.5"

69.9 degrees

7.25 mg/L

Contracted treatment acres: 10 Acres

Treated Acres to date: 6.25 Acres

Inspected the lake today and treated lots 106-112 in Muskie channel for variable leaf milfoil growth. Results should be seen over the next couple weeks or sooner. The boat launch area and side channels have improved since last week's treatment. Very little algae remain in that area. Most of the milfoil in the finger channels is dead but has not dropped out yet. I will keep inspecting this area to ensure control of the milfoil. The west end of the lake still has some dead milfoil present but there is a clear channel to navigate through to last 2 lots. I will be scheduling a treatment for the last 2 lots of 58E and 58W to control milfoil around the dock area. I will also be applying the bacteria in the Bluegill court channel and the end of Muskie channel. There are no restrictions for this application and notices will not need to be sent out.

Treatments performed today:

1. Lots 106-112 in Muskie channel. There were some sections of variable leaf milfoil that was popping up since the Eurasian milfoil has dropped out from previous treatment. (.25 Acres)
*Acreage has been added to the treated acres to date.

Treatments scheduled for next week.

2. Lots 1058E and 1058W will be treated for remaining milfoil control around the dock area. (.25 Acre).
*Acreage has not been added to the treated acres to date.
2. MD pellet Bacteria application in Bluegill ct. and the end of Muskie channel. This application will be done once per month through October.

Beaver Lake: Water level up 5.5" 69 degrees 7.8 mg/L
Full Lake Treatment

I inspected the lake again today and noticed more weeds have dropped out. There are some native plants that are starting to get established around the shoreline. The 2 areas of dense weed growth near the dam and half-moon continue to drop out. I will continue to monitor these areas for growth. The weeds should continue to drop out slowly and hopefully no more herbicide will be needed this year. The chara growth is about the same in narrow channel of half-moon. If it gets any worst I will schedule for treatment.

No treatments are scheduled for next week.

Lincoln Lake: Water level up 5" 71.3 degrees 8.12 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 3.35 Acres

Today I inspected the lake and found that previously treated areas have improved except for 2 lots at the end of coal city road channel. There is some variable leaf milfoil that is still growing. I also noted quite a few dock areas that continue to get worst with curlyleaf growth. I have scheduled these areas along with a section within Lincoln Lake estates, lots 20 and 21 for milfoil growth and the bay at 3015 for curlyleaf growth as well. These areas will be treated next week and I will also inspect the lake. I am starting to notice some native plants popping around the shoreline of the lake. I will try to start mapping these areas in the future so we can track their progress throughout the season.

Treatments scheduled for next week.

6. Lots 33,34,41,43,48,49,56,58N and 58S for curlyleaf control. (.8 Acres).
7. The bay at lot 3015 for curlyleaf control. (.75 Acres).
8. The dock areas of the west end of Lincoln lake estates for curlyleaf control. (1 Acre).
9. The cove for lots 20 and 21 for milfoil control. (.35 Acres)
*Acreage has not been added to treated acres to date.
10. The end of coal city road channel lots 2 and 3 for variable leaf milfoil control.
*This area will not count against the treated acres to date.