

## Weed Committee Report – GLA Board Meeting – 5-22-2017

In summary Rollins Aquatic visited the lakes on 4/24, 5/3, 5/11, and 5/18/2017. Treatments were made as indicated below and notices were sent to all residents. As we mentioned early on, THIS YEAR WILL BE CHALLENGING DUE TO THE MILD WINTER. It should be no surprise that the weed situation is off to a bad start. Thank you to the board members and residents that pointed out issues. Rollins will keep on the weeds as the budget allows. If we need more funds I will ask. Please contact me if you have a weed issue and we will send Rollins to check it out. I copied in all the lake notes below for your complete information.

PLEASE CHECK THE WEBSITE FOR THE MOST CURRENT NOTICES WHEN IN DOUBT. We are doing our best to manage the information on the website and get the notices promptly posted. Notices should remain on the website until they expire. If a neighbor questions whether their lot is being treated or not please direct them to the website.

Thanks,  
Anthony Sartoris, Weed Committee Chairman

### Lake Notes 4/24/17

**Goose Lake: Water level up 2.5" 64.1 degrees 8.25 mg/L**

**Contracted treatment acres: 10 Acres**

Today I inspected the lake and found a few areas that may need some attention. I was finding mostly Milfoil growth while performing the inspection but within the beds of Milfoil I did find some minor amounts of Curly leaf pondweed. Within the finger channels I saw some minor to moderate amounts of algae growth forming along the shoreline. I also noted some duckweed floating around but seems to be minor at this point. There are some patches of Milfoil throughout the finger channels as well. The side channels off the boat launch are showing some milfoil growth as well but it is mainly sticking to the shoreline and is not interfering with boat traffic. The heaviest growth that was noted was on the west end of Muskie channel and the west end of the lake. There are heavy amounts of Milfoil growth and minor amounts of Curly leaf pondweed throughout these areas. I will schedule a treatment for this area next week. I will start bacteria applications on Bluegill Ct and Muskie channel in 2 weeks.

Recommended treatment for next week:

1. West end of Muskie channel for the control of Milfoil and Curly leaf pondweed. (.9 acre)
2. West end of lake near lot 58. I will treat a channel through the Milfoil/Curly leaf to lead back to the west end of the lake. I will leave the rest of the vegetation on the north side for fish habitat. (1.25 acres)

**Beaver Lake: Water level up 6" 63.5 degrees 9.95 mg/L**

Today I applied the Avast! And Sonar One to the lake for full lake herbicide treatment. There was mainly Milfoil noted throughout the lake but also did find some Curly leaf pondweed. The heavier growth was found on the north side of the lake near the overflow bay and far north end of the lake. I will be out next week to pull water samples and see where the concentration of herbicide is at. I did notice some algae growth on half-moon just down from the boat launch. I am thinking with the rain forecasted at the end of the week it should knock the algae down, otherwise if it doesn't I will schedule an algae treatment the following week.

Treatment Applied:

Full volume herbicide treatment of the lake to control Milfoil and Curly leaf pondweed. Results may take 3 to 4 weeks to be noticed.

**Lincoln Lake: Water level up 5" 64.7 degrees 9.02 mg/L**

**Contracted treatment acres: 12 Acres**

My inspection of Lincoln showed that it is in pretty good shape so far, this season. Most of the areas that I treated last year are still looking good with minimal growth. The end of Coal City road channel had some Curly leaf starting along with minor amounts of Milfoil. I will look at this area again next week to see if it will need to be scheduled for treatment. Lincoln Lake estates had some minor Curly leaf as well in areas. There are 2 areas that I am scheduling for treatment next week.

Recommended treatment for next week:

1. The channel to the west of Island drive. At the beginning of the channel there is some heavier growth of Curly leaf, Milfoil and Flat stemmed pondweed that needs to be controlled. (.5 acre)

2. Lots 20 and 21. There is some Curly leaf and Milfoil that will be treated for in the 2 coves. (.35 acre)

**Lake Notes 5/3/17**

**Goose Lake: Water level: Could not see from boat launch      56 degrees      7.3 mg/L**  
**Contracted treatment acres: 10 Acres**

Tried to inspect/treat the lake today but water level is extremely high due to recent rains. Water was outside of the banks near the boat launch bay so I decided to postpone scheduled treatments until next week for the water level to recede. I did not want to treat with herbicide

Postponed treatment for next week:

1. West end of Muskie channel for the control of Milfoil and Curly leaf pondweed. (.9 acre)
2. West end of lake near lot 58. I will treat a channel through the Milfoil/Curly leaf to lead back to the west end of the lake. I will leave the rest of the vegetation on the north side for fish habitat. (1.25 acres)

**Beaver Lake: Water level up 10.5"      52.4 degrees      7.06 mg/L**  
**Full Lake Treatment**

Inspected the lake today and collected water samples for herbicide concentration testing. Some of the weeds that were observed are showing signs of stress already. Once I get the results back from the lab I will decide how much of a bump in herbicide will be required. There was a steady flow of water coming in from Lincoln Lake and out of Beaver lake. I will let you know the results of the water tests as soon as I hear back. I will continue to pull water samples over the next couple weeks to ensure that we stay at the targeted rate.

**Lincoln Lake: Water level up 10"      55.7 degrees      8.05 mg/L**  
**Contracted treatment acres: 12 Acres**

Did a quick inspection of the lake today and decided since the water levels were much higher to postpone scheduled treatments until next week. Water temps have dropped around 10 degrees due to the colder weather and heavy rains. Water clarity has also decreased due to the sediment being mixed up in the water column. I will be back out next week to perform the 2 treatments and inspect the lake for other areas of concern.

Postponed treatment for next week:

1. The channel to the west of Island drive. At the beginning of the channel there is some heavier growth of Curly leaf, Milfoil and Flat stemmed pondweed that needs to be controlled. (.5 acre)
2. Lots 20 and 21. There is some Curly leaf and Milfoil that will be treated for in the 2 coves. (.35 acre)

**Lake Notes 5/10/17 and 5/11/17**

**Goose Lake: Water level up 9.25" 59 degrees 10.4 mg/L**  
**Contracted treatment acres: 10 Acres Treated Acres to date: 2.15 Acres**

Today I performed the weed treatment to the west end of Muskie channel and west end of the lake for the control of Milfoil and curly leaf pondweed. Results should be noticed from this treatment over the next couple weeks. The water wasn't as clear as normal due to recent rain from last night. There are a couple areas of concern. The first is the fingers, I am noticing a decent amount of milfoil that has been cut off and floating around. There is also some scattered algae and duckweed growth. I will wait until next week to look at this area again once the water levels go down and see when treatment will be needed. There were only a couple areas that will require treatment next week. They are listed in the treatments scheduled for next week. The remaining lake is looking good.

Treatments performed:

1. West end of Muskie channel for the control of Milfoil and Curly leaf pondweed. (.9 acre)

\*Acreage has been added to the treated acres to date

2. West end of lake near lot 58. I treated a channel through the Milfoil/Curly leaf to lead back to the west end of the lake. I left the rest of the vegetation on the north side for fish habitat. (1.25 acres)

\*Acreage has been added to the treated acres to date

Treatments scheduled for next week:

1. Algae treatment throughout muskie channel. This will not be counted against the contracted treatment acres.
2. Milfoil and algae control within dock areas on lots 78-79 and lots 74-75. (.45 Acres)

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

**Beaver Lake: Water level up 8.25" 60.9 degrees 9.41 mg/L**

**Full Lake Treatment**

I received the results back from the lab and they showed that the main lake was at 7ppb and that south half-moon was at 2ppb. This was to be expected since we received a significant amount of rain shortly after the full lake application was made. Since the levels were much lower than what we were going for I performed a 6ppb bump in south half-moon yesterday. This will help boost the overall concentration throughout the entire lake including south half-moon.

I noticed that a lot of the milfoil in north half-moon and main lake are showing signs of stress but there is a heavy amount of curlyleaf throughout south half-moon that continues to grow and look healthy. This is most likely due to the lower concentration of herbicide left in that area. I will pull water samples again this next week to check concentration levels. If levels are still too low in south half-moon I will need to decide to either perform another bump or use a faster acting granular herbicide to control the curlyleaf.

No treatments are scheduled for next week.

**Lake Notes 5/18/17**

**Goose Lake: Water level up 5" 73.4 degrees 7.41 mg/L**

**Contracted treatment acres: 10 Acres**

**Treated Acres to date: 2.5 Acres**

Today I inspected the lake for weed growth. I also treated the muskie channel for algae growth and a few lots on the side channels for the control of milfoil. The previously treated areas on the west end of the lake are looking much better. Most of the milfoil in Muskie channel and west end of lake is already dropping out or turning brown. The area should continue to improve over the next couple weeks.

The only areas of concern on the lake right now is the finger channels. There is starting to be a moderate amount of milfoil that is growing throughout the fingers. Most of which is almost to the surface or just below. I have scheduled a treatment for next week to treat the middle of the finger strips for boat navigation. Since the channels are not that wide the treatment should minimize much of the milfoil growth present throughout the channels. I will also be doing an algae treatment on the boat launch bay and side channels where needed.

Treatments performed today:

1. Algae treatment throughout Muskie channel. This was not counted against the contracted treatment acres.
2. Milfoil and algae control within dock areas on lots 78-79 and lots 74. I did not treat the lot of 1075 as requested. (.35 Acres)

\*Acreage has been added to treated acres to date.

Treatments scheduled for next week:

1. Algae treatment throughout the boat launch bay and side channels where needed. This will not count against the contracted treatment acres.
2. Milfoil control throughout the finger channels. I will focus the treatment area on the middle of the channel for boat navigation. (3.5 acres)

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

**Beaver Lake: Water level up 6.5" 75.7 degrees 11.52 mg/L**

**Full Lake Treatment**

I inspected the lake today and have noticed an improvement from the last week. Most of the curlyleaf in the south Half Moon area is turning brown and dropping out. The remaining milfoil in the lake continues to drop out as well. It looks like the second bump is doing a great job on the weed growth. The only area that still seems to have some growth that looks green is in the

shallow area in the beginning of south Half Moon. There is also quite a bit of chara type algae growth in that area as well that I will keep monitoring. If the chara continues to grow I will need to treat it so that it doesn't interfere with boat traffic.

I collected water samples again to see where the herbicide concentration is at. I will let you know the results when I hear back from the lab.

No treatments are scheduled for next week.

**Lincoln Lake: Water level up 6"      71.8 degrees      8.56 mg/L**  
**Contracted treatment acres: 12 Acres      Treated Acres to date: 2.85 Acres**

Inspected the lake today for weed growth. I also performed the 3 weed treatments listed below for the reduction of curlyleaf pondweed. The previous weed treatments have improved since last weeks. The area of lots 20 and 21 are still showing some curlyleaf growth. I will look at this area again next week and if there are no improvements I will schedule it to be re-treated the following week. The remaining lake is still looking good. I have noticed a little more curlyleaf pondweed this time on the lake but no areas of great concern other than the end of Coal city road channel.

I noticed a moderate amount of curlyleaf pondweed and milfoil at the end of coal city road channel. It looks much better as compared to the beginning of last year but I want to stay on top of this area due to the heavy growth observed in previous years. I have scheduled this area to be treated next week.

Treatments performed today:

1. Entrance to hatchery bay and the dock areas in the bay have a heavy amount of curlyleaf and some milfoil growth that was treated. I left vegetation toward the west end for fish structure. (.5 Acres)
2. Throughout Lincoln lake estates there is a strip of curlyleaf found along most of the dock areas and extends to deeper water. I treated the strip and around the docks where needed. (1 Acre)
3. Quite a few lots scattered throughout the lake have dense areas of curlyleaf around their docks. I treated the dock areas only for lots 57,55,32,24 and 25. (Area totals .5 Acre)

\*The above treatments have been added to the treatment acres to date.

Treatments scheduled for next week:

1. There is a moderate amount of milfoil and curlyleaf pondweed located at the end of Coal City road channel. I will also be treating the dock areas of lots 9,7 and 5 in that same channel. (1.5 acres)
  - Acreage has not been added to the treated acres to date.

**Lincoln Lake: Water level up 7.75" 62.5 degrees 9.04 mg/L**

**Contracted treatment acres: 12 Acres Treated Acres to date: .85 Acres**

Performed the 2 weed treatments that were scheduled for the reduction of curlyleaf and milfoil growth yesterday. I inspected areas that were noted for excessive growth last year and most of the lake is in good shape. The most predominant weed noted throughout the lake is curlyleaf pondweed. Due to the high water and no wake on the lake I was not able to inspect the entire waterbody for weed growth. However, I did find a few areas that have been scheduled for treatment next week

Treatments performed: Treatments performed:

1. The channel to the west of Island drive. At the beginning of the channel there is some heavier growth of Curly leaf, Milfoil and Flat stemmed pondweed that needs to be controlled. (.5 acre)  
\*Acreage has been added to the treated acres to date
2. Lots 20 and 21. There is some Curly leaf and Milfoil that will be treated for in the 2 coves. (.35 acre) \*Acreage has been added to the treated acres to date

Treatments scheduled for next week:

1. Entrance to hatchery bay and the dock areas in the bay have a heavy amount of curlyleaf and some milfoil growth that will be treated. I will leave the vegetation toward the west for fish structure. (.5 Acres)
2. Throughout Lincoln lake estates there is a strip of curlyleaf found throughout the dock areas and extends to deeper water. I will treat the strip around docks. (1 Acre)
3. Quite a few lots scattered throughout the lake have dense areas of curlyleaf around their docks. I will be treating the dock area only for lots 57,55,32,24 and 25. (Area totals .5 Acre)