

Weed Committee Report – GLA Board Meeting – 6-25-2017

See below for detailed notes from Rollins Aquatic summarizing the lake visits over the past month.

Engelo and I have met on two Saturdays to date to learn the different aspects of the weed committee including the notification process.

No treatments were made on the week of 6/20 due to rain all week. The same treatments are scheduled for this week and residents were notified again.

No Lake Notes for 6/20 due to rain.

Lake Notes 6/13/18

Goose Lake: water level up 4" 74.9 degrees 8.25 mg/L

Contracted treatment acres: 15 Acres

Treated Acres to date: 4.75 Acres

Today I inspected the lake for nuisance weed growth. I also performed 2 applications within the lake. One of the treatments was the second bacteria application in the finger channels and Muskie trail. The other was an algae application in boat launch bay and side channels. The previous treatments are still looking good. The west end of the lake still has a clear channel to navigate a boat through however there is still a good amount of weeds for fish habitat on the north side.

I noted 2 different spots that will require treatments for next week. The first is the finger channels will require a duckweed treatment. The duckweed is mainly on the east end, but it is scattered through west end as well. The other treatment that is scheduled is a bed of milfoil in main channel of the lake just outside of Muskie trail. The remaining lake is in good shape but overall I am seeing more milfoil coming in.

Treatments performed this week:

1. Algae treatment around boat launch and side channels.
 - Does not count against contracted treatment acres.
2. Bacteria application in finger channels and Muskie trail. (Treatment #2 of 5)

Treatments scheduled for next week:

1. Duckweed treatment throughout the finger channels. (4.5 Acres)
 - Treatment has not been added to treated acres to date.
2. Treatment of Milfoil in main channel just outside of Muskie trail. (.75 Acre)
 - Treatment has not been added to treated acres to date.

Beaver Lake: Water level up 6"

76.5 degrees

7.41 mg/L

Contracted treatment acres: 12 Acres

Treated Acres to date: 10.25 Acres

***Added 2 additional acres at no cost**

Inspected the lake today for nuisance weed growth. Performed an algae treatment on the boat launch channel. The algae should drop out in the next couple days after treatment. The Curly leaf is still gone on the north end of the lake, but Milfoil continues to grow. It is around 4 to 5 ft tall right now. It is still clear for boat traffic as of now. I will keep an eye on it going forward and schedule it for treatment before it interferes with boat traffic.

North Half-Moon is still looking good and is clear for boat access. I have scheduled a re-treatment for south Half-Moon for the control of Curly leaf pondweed. The weeds are still hanging on in the previously treated areas about 4 to 5 feet below the surface. This treatment should help knock the plant growth down to the bottom.

Treatments performed this week:

1. Algae treatment in north Half-moon from boat launch to where it opens to main channel of lake.
 - Does not count against contracted treatment acres.

Treatments scheduled for next week:

1. Re-treatment to south Half-Moon where it widens for the control of Curly leaf pondweed.
 - Does not count against contracted treatment acres.

Lincoln Lake: Water level up 5" 75.4 degrees 9.3 mg/L

Contracted treatment acres: 12 Acres

Treated Acres to date: 7.3 Acres

Inspected the lake for nuisance weed growth. I also performed 5 different treatments as listed below. Last weeks treatment look much better. Lincoln lake estates boat launch is almost clear of Milfoil growth and the treatment did not affect the native plants in the area. Lots 20/21 have improved as well. Most of the Chara is knocked down and brown. The bay by lot 1032 looks great. Most of the Curly leaf is knocked down to the bottom and is decomposing.

Lincoln lake has a good variety of weeds present. There are a lot of native plants that keep filling in along shallow areas. I will continue to try and conserve the native plants within future treatment areas this season. A lot of the dock areas throughout the lake have weeds present. I am scheduling treatments on lots that start getting heavier weed growth. I am still waiting on an order for Aquathol Super K, so I have been pushing off some of the lot treatments until I get the granular herbicide in stock. The only treatment that is scheduled for next week is the bay for lots 4001-4003 for the control of Curly leaf pondweed.

Treatments performed this week:

1. Treatment of shoreline along Lincoln Lake Estates for the control of Curlyleaf. (1 Acre)
 - Treatment has been added to treated acres to date.
2. Treatment on west end of Kriebaum's bay for the control of Milfoil. (.75 Acre)
 - Treatment has been added to treated acres to date.
3. Treatment in the middle of the channel near lots 55 and 56 for the control of Curlyleaf. (.75 Acre)

- Treatment has been added to treated acres to date.
- 4. Treatment on channel for lots 36-43 for the control of Milfoil. (.5 Acre)
 - Treatment has been added to treated acres to date.
- 5. Treatment around dock areas of lots 24,25,32,33 which is a retreatment and will not count against acreage and 34. Also lots 24 and 25 off N. Lincoln Lake dr. for control of Curlyleaf. (.6 Acre total)
 - Treatment has been added to treated acres to date.

Treatments scheduled for next week:

1. Treatment to the bay around lots 4001-4003 for the control of Curly leaf pondweed. (.75 Acre)
 - Treatment has not been added to treated acres to date.

Lake Notes 6/6/18

Goose Lake: water level up 3.5" 77.8 degrees 7.89 mg/L

Contracted treatment acres: 15 Acres

Treated Acres to date: 4.75 Acres

Today I inspected the lake for nuisance weed growth. Things continue to look pretty good on Goose lake so far with the treatments that have been performed already. I noted some algae growth around boat launch and the side channels close to the boat launch. I will perform an algae treatment next week in these areas.

The finger channels have improved since the last treatment. Most of the Curly leaf has dropped out on the west side where the treatment was. There is still only minor algae growth present along the shoreline. I noted some duckweed starting on the east channel and will continue to monitor in case of treatment. I will be performing the second bacteria application on the finger channels and Muskie trail next week.

Muskie trail is still looking good with only minor growth present. The water depth is getting lower on the east entrance. I am seeing more American pondweed popping up along the shoreline. The west end of the lake has improved as well since the most recent treatment. A lot of the Milfoil has dropped out giving boat access back to the far west bay of the lake. I noticed some areas of milfoil in the shallow flats in the main lake behind the island that separates Muskie trail. I am leaving this area for now because it is good habitat and not interfering with boat traffic.

Treatments scheduled for next week:

3. Algae treatment around boat launch and side channels.
 - Does not count against contracted treatment acres.
4. Bacteria application in finger channels and Muskie trail. (Treatment #2 of 5)

Beaver Lake: Water level up 5.5" 77.5 degrees 7.61 mg/L

Contracted treatment acres: 12 Acres

Treated Acres to date: 10.25 Acres

***Added 2 additional acres at no cost**

Today I inspected the lake again for nuisance weed and algae growth. The north Half-Moon channel has improved since last treatment. Most of the pondweed has dropped out and boaters have access without cutting up weeds. There is some algae starting to take off in the channel coming from the boat launch, which I have scheduled for treatment next week. The north end of the lake is looking much better. Almost all the Curly leaf has dropped out in the previous treatment areas. I did note some milfoil starting to take its place. I will keep an eye on the new growth.

The previous Chara re-treatment on south Half-moon is showing signs of stress and the tops are browning out. There are still a couple large patches of Curly leaf in the mouth of the wide area. Most of what I raked up is brown and dead. The growth is 4 to 5 feet below the surface, so it shouldn't interfere with boat traffic. There is getting to be some larger patches of curlyleaf along the shoreline further south of the first treatment. I will keep an eye on it over the next couple visits.

Treatments performed this week:

1. I treated the Chara growth around the boat launch to help with boat access.
 - Does not count against contracted treatment acres.

Treatments scheduled for next week:

2. Algae treatment in north Half-moon from boat launch to where it opens to main channel of lake.
 - Does not count against contracted treatment acres.

Lincoln Lake: Water level up 4.5" 75.8 degrees 9.90 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 3.7 Acres

Today I inspected the lake for more nuisance weed growth. I found a lot more dock areas that will require treatment next week. Most of the weed growth being treated is still Curlyleaf pondweed. However, Milfoil is starting to take off in some areas again too. My focus this season is to keep dock and beach areas clear of major weed growth. Also, to keep the channels down to a minimum growth as to not affect boat traffic. I am trying to leave more weed beds throughout the lake for fish structure but will make sure they are not in high traffic areas.

Previous treatments are still looking good except for lot 33 which will be retreated next week and the 2 coves at lots 20/21 that I treated today. I treated 2 new sections today along with the retreatment. I have a lot of treatments scheduled for next week to control both Milfoil and Curlyleaf. They are all listed below. There are more natives continuing to get established along shoreline and I will try to have the least amount of impact to them going forward. The water temps have cooled down some over the past week. I am hoping with some warmer weather in the forecast the Curlyleaf will start dropping out naturally.

Treatments performed this week:

1. Re- treatment to the coves at lots 20/21 for the reduction of Chara, Curly leaf and Milfoil.
 - Treatment will not count against contracted treatment acres for the season.
2. Treatment in north channel near lot 1032 for the reduction of Curly leaf pondweed. (1 acre)
 - Treatment has been added to treated acres to date.
3. Treatment to Lincoln Lake estates marina area for the control of Milfoil. (.35 Acre)
 - Treatment has been added to treated acres to date.

Treatments scheduled for next week:

6. Treatment of shoreline along Lincoln Lake Estates for the control of Curlyleaf. (1 Acre)
 - Treatment has not been added to treated acres to date.
7. Treatment on west end of Kriebaum's bay for the control of Milfoil. (.75 Acre)
 - Treatment has not been added to treated acres to date.

8. Treatment in the middle of the channel near lots 55 and 56 for the control of Curlyleaf. (.75 Acre)
 - Treatment has not been added to treated acres to date.
9. Treatment on channel for lots 36-43 for the control of Milfoil. (.5 Acre)
 - Treatment has not been added to treated acres to date.
10. Treatment around dock areas of lots 24,25,32,33 which is a retreatment and will not count against acreage and 34. Also lots 24 and 25 off N. Lincoln Lake dr. for control of Curlyleaf. (.6 Acre total)
 - Treatment has not been added to treated acres to date.

Lake Notes 5/23/18

Goose Lake: water level up 1" 67.9 degrees 7.91 mg/L

Contracted treatment acres: 15 Acres Treated Acres to date: 4.75 Acres

Today I inspected the lake for nuisance weed and algae growth. I checked out the previously treated areas again and they continue to look good. The middle of Muskie trail is clear for boat access. There is some growth along the shoreline, but I am leaving it alone. The side channel near lot 1073 is free of milfoil growth in the middle as well. The finger channels are still in good shape except for the west side of bridge. I performed a treatment for Curly leaf and milfoil control on that side. There is still very little algae present within the finger channels. I believe the expansion of the bacteria program to more channels is helping minimize the algae growth.

I performed 2 treatments today. The first treatment was mentioned above on the west side of the finger channels for Milfoil and Curly leaf control. The second treatment was on the west end of the lake near the drain from Beaver lake. That treatment was for the reduction of Milfoil.

I did note more milfoil growth starting in the east channel off the boat launch. Some of the growth is 3-5 feet off the bottom. I will continue to monitor the area and schedule it for treatment if it starts to interfere with boat traffic. There are no treatments scheduled for next week only an inspection.

Treatments performed this week:

1. The main channel and the west half of the finger channels were treated for Curly leaf and Milfoil. (1.75 Acres)
 - Treatment has been added to treated acres to date yet
2. West end of lake was treated for Milfoil control to get boat access to last 2 lots. (1.5 Acres)
 - Treatment has been added to treated acres to date yet.

Beaver Lake: Water level up 6" 71.2 degrees 7.49 mg/L

Contracted treatment acres: 12 Acres Treated Acres to date: 8.5 Acres

***Added 2 additional acres at no cost**

Today I inspected the lake again for nuisance weed and algae growth. I performed 3 separate treatments today to reduce the amount of Curly leaf present in boating areas. The treatments from last week are looking better. There is still a decent amount of Curly leaf standing in the treated areas, but they are brown and dying. They should start dropping over the next week or so. I will check on the progress again next week.

I noted a moderate amount of Chara type algae around the boat launch again. The Chara is getting thicker so I will keep monitoring it. If it gets any worst I will schedule for treatment. I would prefer to leave it alone but since it is shallow in that area it doesn't take much to interfere with boat travel. There is still a heavy amount of Curly leaf pondweed growth located throughout the lake. I am trying to manage it in areas of boat traffic but am leaving the rest for habitat, even though it is not preferred weed to promote. I received some compliments from fisherman about leaving some of the weed beds. They claimed that the walleye fishing is excellent at this time.

I have scheduled 2 treatments for next week. The first is in North Half-Moon, where I will be treating the middle of the channel for Curly leaf growth. The other is a retreatment in South Half-Moon for Chara type algae growth. I have added 2 additional acres above for Beaver Lake at no extra cost. (As discussed at last year's weed committee meeting) This should help get things under control.

Treatments performed this week:

1. I treated a channel for boat access to lot BL123 for the reduction of Curly leaf and Chara. (.5 Acre)
 - Treatment has been added to treated acres to date yet.
2. The west channel near lot BL1008 has a moderate amount of Curly leaf growth throughout the middle that was treated (.75 Acre)
 - Treatment has been added to treated acres to date yet.
3. The channel coming out of North Half-Moon in to the middle of the lake and north has a heavy amount of Curly leaf growth that was treated. (1 Acre)
 - Treatment has been added to treated acres to date yet.

Treatments scheduled for next week:

1. North Half-Moon will be treated for Curly leaf growth starting at the bridge and heading east. I will be focusing treatment throughout the middle of the channel. (1.75 Acres)
 - Treatment has not been added to treated acres to date yet
2. Retreatment of Chara in South Half-Moon near lots 20-22 in the middle of channel.
 - Does not count against contracted treatment acres.

Lincoln Lake: Water level up 6" 71.5 degrees 9.93 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 2.35 Acres

Due to running behind schedule yesterday with some additional treatments in the area, I was unable to make it to Lincoln Lake for the treatments. I came back down this morning (5/24) to perform the treatments. I was unable to spend much time on the lake due to a tight schedule today. I performed all 3 spot treatments and made notes on the channels to make sure they were clear for boat access. Lincoln is still looking good and there are more native plants coming in along the shoreline. I will only be

inspecting the lake next week. No treatments are scheduled. I will make sure to allow plenty of time for a thorough inspection of the lake next week.

Treatments performed this week:

1. Lot 5033 was treated for Curly leaf growth around dock area. (.1 Acres)
 - Treatment has been added to treated acres to date yet.
2. Last 2 lots at end of Coal city road channel was treated for Curly leaf. (.5 Acre)
 - Treatment has been added to treated acres to date yet.
3. Lot 20 in Kriebaum's bay was treated for Curly leaf/Milfoil growth around beach and dock area. (.25 Acre)
 - Treatment has been added to treated acres to date yet