

Weed Committee Report – GLA Board Meeting – 5-21-2018

Rollins Aquatic made 3 visits to our lake on 5-2, 5-10, and 5-17, since the April meeting.

Rollins is seeing a large amount of growth of the invasive plant species curlyleaf pondweed and Eurasian water milfoil in **Goose** Lake. Rollins will be aggressively treating these weeds due to Goose being the shallowest of the lakes.

Beaver continues to have issues with curlyleaf pondweed (invasive species) and Rollins will continue to treat aggressively.

Lincoln appears to be in good shape and hopefully will not be a problem this year. There are patches of American pondweed (native aquatic plant) growing in patches where it did last year which is a good sign that the species has taken hold and will hopefully thrive.

We have had four residents contact us about the weeds and the information was relayed to Rollins and the areas were treated the following week after notice was given. It is important that we are alerted to any issues noted by residents as well as rely on the information given by Rollins to stay on top of weed growth.

Remember that our goal is to reduce or eliminate the invasive species, WEEDS, and allow the native species, AQUATIC PLANTS, to grow. When boat propellers cut up the weeds they are just compounding the problem as the fragments will drop to the bottom and sprout making things worse for the rest of the season and next year. Fish structure is important but overgrowth of the invasive weeds is actually bad for fish habitat. We are finally getting ahead of the weeds and it would be foolish policy and very expensive to change course. There is a lot of information posted on our website which will educate our residents as to why we are treating the lakes for weeds like we have been in the last 10-12 years or so.

Any questions let me know. Tony Sartoris sart912mail@comcast.net.

Lake Notes 5/17/18

Goose Lake: water level up 1" 67.5 degrees 9.13 mg/L

Contracted treatment acres: 15 Acres

Treated Acres to date: 1.5 Acres

Today I inspected the lake for nuisance weed and algae growth. The previous treated areas have improved. A lot of the Milfoil has dropped out and some is dead floating on surface. These areas should continue to improve over the next week. Today I performed an algae treatment on Muskie trail as well. I am starting to notice more milfoil coming in and getting dense in some areas. I also noted some minor amounts of duckweed starting in the Bluegill Ct finger. The finger channels are looking good for the most part they are algae free.

There are 2 areas that I have noted for treatment next week. One of the spots is in the finger channels. The main channel leading into the fingers and the west half of the finger channels are getting worst with Curly leaf and Milfoil growth. I will be treating the middle of these channels to knock down the weeds for boat access but hopefully leave some vegetation along the shoreline for structure. These areas are narrow though, so some weeds along shoreline may be affected by the herbicide treatment.

Another area that is scheduled for treatment is the west end of the lake. I will be treating a channel for boat access through the narrow part and then continue to treat to the last 2 lots. The areas on the non-established shoreline will be left alone for fish habitat.

Treatments performed this week:

1. Treated for algae growth within Muskie Trail.
 - Does not count against contracted treatment acres.

Treatments scheduled for next week:

1. The main channel and the west half of the finger channels need to be treated for Curly leaf and Milfoil. (1.75 Acres)
 - Treatment has not been added to treated acres to date yet
2. West end of lake needs Milfoil treatment to get boat access to last 2 lots. (1.5 Acres)
 - Treatment has not been added to treated acres to date yet.

Beaver Lake: Water level up 5" 71.7 degrees 8.79mg/L
Contracted treatment acres: 10 Acres Treated Acres to date: 6.25 Acres

Today I inspected the lake again for nuisance weed and algae growth. I treated 5 acres of Curly leaf today in 2 different spots. I continue to see more Curly leaf popping up in new areas. I have 3 more treatments scheduled for next week to reduce the Curly leaf growth. I am focusing my treatments on areas where boat access is important. The previously treated area in south half-moon is looking better. A lot of the chara is brown and there is dead pondweed floating on the surface. Water visibility has decreased due to the recent rains, so it makes it difficult to see.

There are patches of Curly leaf present throughout North half-moon. It starts just past the bridge and continues most of the way down until about lot 2051. The growth is closer to the shoreline side, so the middle is still free for boat traffic. I will keep an eye on this stretch so that it doesn't get any worse and interfere with boating.

There is still a moderate amount of Curly leaf located at the very south end of south Half-moon. Its approximately .5 acres in size. I will be leaving it for now because there is not much boat traffic through this area and it is being utilized for fish habitat. There are a lot of panfish and pike throughout the weeds.

Treatments performed this week:

1. North end of the lake was treated for Curly leaf Pondweed. (3.5 Acres)
 - Treatment has been added to treated acres to date yet.
2. Half Moon south where it starts to widen out was treated for Curly leaf Pondweed. (1.5 Acres)
 - Treatment has been added to treated acres to date yet.

Treatments scheduled for next week:

1. I will treat a channel for boat access to lot BL123 for the reduction of Curly leaf and Chara. (.5 Acre)
 - Treatment has not 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 needs to be treated (.75 Acre)
 - Treatment has not 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. (1 Acre)
 - Treatment has not been added to treated acres to date yet.

Lincoln Lake: Water level up 5.5" 71.3 degrees 10.13 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 1.5 Acres

Inspected the lake for nuisance weed and algae growth. I treated 2 lots for the control of Curly leaf around dock areas. The channels on the lake are still looking good for boat access. Some are starting to get more weeds filling in around the shoreline. I also noticed some American pondweed coming back in areas previously noted. The previous treatments from last week are showing improvements. Most of the chara is brown and dropping out. The weeds are stressed as well. Some of the growth around lots 20 and 21 still looked green, so I will revisit again next week to check for changes.

Since most of the channels are still clear I tried checking most of the lots I have treated in the past. Some lots are starting to get minor amounts of Curly leaf filling in around the dock areas. This is common because the boat motors will sometimes pickup fragments of growth around the prop. Then when they are docked the weeds fall off and start to

grow again. Therefore, it's important to stay out of weed beds with your boat, especially Curly leaf and Milfoil. Overall the lake is in good shape with minor nuisance growth. We may need some of the acreage from Lincoln for the other lakes if needed later this year.

Treatments performed this week:

1. Lots 58N and 58S was treated for Curly leaf Pondweed. (.25 Acres)
 - Treatment has been added to treated acres to date yet.

Treatments scheduled for next week:

1. Lot 5033 will be treated for Curly leaf growth around dock area. (.1 Acres)
 - Treatment has not been added to treated acres to date yet.
2. Last 2 lots at end of Coal city road channel will be treated for Curly leaf. (.5 Acre)
 - Treatment has not been added to treated acres to date yet.
3. Lot 20 in Kriebaum's bay will be treated for Curly leaf/Milfoil growth around beach and dock area. (.25 Acre)
 - Treatment has not been added to treated acres to date yet

Lake Notes 5/10/18

Goose Lake: water level up 1" 67.1 degrees 10.04 mg/L

Contracted treatment acres: 15 Acres

Treated Acres to date: 1.5 Acres

Today I inspected the lake for nuisance weed and algae growth. The water temps continue to increase quickly. I treated the west end of Muskie Trail for Milfoil growth and the side channel near lot 1074. These areas should improve over the next week or two. I also performed the first bacteria treatment to the finger channels and Muskie Trail. I noted in the finger channels that there is some minor Milfoil and Curly leaf. No treatment is needed yet in this area. The rest of the lake is still in good shape. Most of the weed growth is along the shoreline and out of the way of boat traffic.

I have noticed through the previous years that Goose lake's main weed species is Milfoil and it typically takes a little while before it gets bad in areas. I have scheduled an algae treatment for Muskie Trail next week. I will be inspecting the rest of the lake for future weed treatments.

Treatments performed this week:

1. Side channel near the lot 1074 for milfoil control. (.75 Acres)
 - Treatment has been added to treated acres to date.
2. West end of Muskie trail for milfoil control. (.75 Acres)
 - Treatment has been added to treated acres to date.
3. Applied bacteria in the finger channels and Muskie Trail. (Treatment 1 of 5).

Treatments scheduled for next week:

1. Algae treatment in Muskie Trail.
 - Does not count against contracted treatment acres.

Beaver Lake: Water level up 3" 69.6 degrees 10.18mg/L

Contracted treatment acres: 10 Acres

Treated Acres to date: 1.25 Acres

Today I inspected the lake again for nuisance weed and algae growth. Beaver lake had the biggest change from last week. Curly leaf is really taking off. In areas I was seeing it growing only 1 to 3 feet off the bottom, it is now 5 to 7 feet. The north end of the lake is the biggest issue. I know this area is apart of the fish habitat section, but I am scheduling a treatment to clean up the narrow channel leading to the north end. Along with the middle part of the north bay, so that boats can make it in and out. I am leaving the weed growth along the shoreline for added structure. The weeds in this area are just starting to be seen under the water.

Another area that is being scheduled for treatment is on the south side of Half-Moon where it goes from the narrow channel to where it widens. There is a large bed of Curly leaf that is continuing to grow. It will become a problem for boating if growth continues. There is another bed of Curly leaf that I noted on the south end of the lake near the drain

pipe of Lincoln Lake. I am leaving this area for fish structure for now but if needed I will schedule it for treatment. I will be keeping a close eye on the remaining lake for nuisance growth.

Treatments performed this week:

1. South Half-Moon in shallow channel was treated for Chara/pondweed growth. (1.25 Acres)
 - Treatment has been added to treated acres to date.

Treatments scheduled for next week:

3. North end of the lake will be treated for Curly leaf Pondweed. (3.5 Acres)
 - Treatment has not been added to treated acres to date yet.
4. Half Moon south where it starts to widen out will be treated for Curly leaf Pondweed. (1.5 Acres)
 - Treatment has not been added to treated acres to date yet.

Lincoln Lake: Water level up 4.5" 68.6 degrees 10.38 mg/L

Contracted treatment acres: 12 Acres

Treated Acres to date: 1.25 Acres

Inspected the lake for nuisance weed and algae growth. I performed 2 treatments to minimize Chara/Milfoil growth. Overall the lake is still in great shape. The weeds are still coming in slowly, with more native plants being noted. I am seeing the Curly leaf continue to grow in spots. One area is in the bay at Lincoln Lake Estates. It is still patchy growth for now and treatment is not required. All the channels are still clear for boat access.

I have scheduled one treatment for next week. It consists of lots 58N and 58S for the control of Curlyleaf pondweed. I will continue to monitor the lake for nuisance weed growth.

Treatments performed this week:

1. The 2 coves near lots 2020 and 2021 was treated for Chara and Milfoil growth. (.5 Acres)
 - Treatment has been added to treated acres to date.
2. The bay on the south side of the lake was treated for Chara and Milfoil growth. (.75 Acres)
 - Treatment has been added to treated acres to date

Treatments scheduled for next week:

2. Lots 58N and 58S will be treated for Curly leaf Pondweed. (.25 Acres)
 - Treatment has not been added to treated acres to date yet.

Lake Notes 5/2/18

Goose Lake: water level up 2" 60.8 degrees 10.15 mg/L

Contracted treatment acres: 15 Acres

Treated Acres to date: None

Today I inspected the lake for nuisance weed and algae growth. I noted a lot more weed growth starting up. The water temps have risen about 10 degrees which is why more weeds were noted. I performed an algae treatment on the finger channels. Since I treated the algae I held off on the start of the bacteria program until next week. While treating algae in finger channels I noted some minor milfoil and curlyleaf growth. I also noted milfoil on the west end of the lake but as long as boat traffic can go through I will leave it for fish structure. Both areas will continue to be monitored during upcoming visits.

There were 2 areas of concern that have been scheduled for treatment next week. The side channel near lot 1074 and the west end of Muskie trail. These areas are starting to get a moderate amount of milfoil growth present and need treatment to ensure boating passage.

Treatments performed this week:

1. Treated algae within the finger channels.
 - Does not count against treated acres to date.

Treatments scheduled for next week:

4. Side channel near the lot 1074 for milfoil control. (.75 Acres)
 - Treatment has not been added to treated acres to date.
5. West end of Muskie trail for milfoil control. (.75 Acres)
 - Treatment has not been added to treated acres to date.

Beaver Lake: Water level up 3" 63.7 degrees 10.37mg/L
Contracted treatment acres: 10 Acres Treated Acres to date: None

Today I inspected the lake again for nuisance weed and algae growth. The north end of the lake is in great shape. I am seeing a lot of Chara growth throughout this area with a good mix of Sago and Small pondweed as well. It is great to see more native plants coming back quicker this year. We have been aggressive with treating the exotic plants in all 3 lakes the past couple years and it seems that it may be paying off. It is still very early to make that overall assumption, but I like the way things are looking so far. My goal is to start seeing a thriving native plant community outcompeting the exotics.

There was 1 area of concern on south Half-Moon in the shallow channel that will need to be treated. The Chara/Nitella and Sago Pondweed growth is still taking off. I know that I have been trying to preserve the native plants, but this area is too shallow to have an overabundance of growth. There is a lot of boat traffic through this channel and it doesn't take much growth to slow them down. I am also noting more curlyleaf growth in the larger area of Half-Moon. I am keeping any eye on this area closely. Most of the growth is near the shoreline for now but if it starts to go further into the middle I will need to perform a treatment.

Treatments scheduled for next week:

2. South Half-Moon in shallow channel will be treated for Chara/pondweed growth. (1.25 Acres)
 - Treatment has not been added to treated acres to date.

Lincoln Lake: Water level up 5" 62.8 degrees 10.48 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: None

Inspected the lake for nuisance weed and algae growth. Lincoln has very minimal weed growth still. Most of the areas that I have treated in previous years for milfoil and curlyleaf are still looking good. I am hoping more native plants in time will start to fill in on these areas. There were some storms moving through the area while inspecting the lake so tried to be quick.

I did find a couple areas that require treatment for next week. The 2 coves near lots 2020 and 2021 had some Chara and milfoil growth that needs to be controlled. Also, the bay to the south side of the main channel of the lake has the same type of growth. There are a lot of boats docked in this area and the overall water depth is shallow. I want to keep this area clear for boat traffic.

Treatments scheduled for next week:

3. The 2 coves near lots 2020 and 2021 will be treated for Chara and Milfoil growth. (.5 Acres)
 - Treatment has not been added to treated acres to date.
4. The bay on the south side of the lake will be treated for Chara and Milfoil growth. (.75 Acres)
 - Treatment has not been added to treated acres to date

If you have any questions regarding the lake notes, please let me know.

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