

Weed Committee Report – GLA Board Meeting – 7-30-2018

In the five weeks since the last meeting Rollins inspected and treated the lakes three times. There were no visits made or treatments performed the week of 7/25 and the week of July 4th. To date the treatment acres as compared to the contracted acres are as follows:

Lake	Contracted Acres	Treated Acres	Acres Remaining
Goose	15	10.3	4.7
Beaver	10	12*	0
Lincoln	12	8.05	3.95

* 2 additional acres treated at no cost

Remember that when contracted acres are used up on one lake Rollins will take acres from another until all acres are used up. At that point the board will need to decide whether or not to add additional acres to the weed contract if the weed situation is such that it requires further treatment of one or more lakes.

Muck Treatment – Rollins has made 3 treatments to the planed area and has two more to go this season.

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Lake Notes 7/25/18

Rollins did not visit the lakes or treat the lakes the week of 7/25/18.

Lake Notes 7/18/18

Goose Lake: water level up 2" 81.3 degrees 6.75 mg/L

Contracted treatment acres: 15 Acres

Treated Acres to date: 10.3 Acres

Today I inspected the lake for nuisance weed growth and performed 3 different applications. I treated the 2 east fingers within finger channels for the control of Duckweed. I also spot treated for algae growth throughout all the finger channels. The last treatment I performed today was within Muskie trail for Algae, Sago pondweed, Milfoil and Duckweed. Results should be seen over the next week or so.

The previous treatment to the side channel before boat launch has improved and mostly dead milfoil is the only thing that remains. The remainder of the lake is looking good with no issues for boat access. I did note an increase of algae and milfoil around the shoreline of the boat launch, but the middle is clear.

There are 2 areas of concern that will need to be treated for at next visit. The first area is a re-treatment to the channel that connects lot 73 to the main lake for the control of Milfoil. The second treatment is a large patch of Milfoil and Coontail that is located north and East of the island to Muskie trail.

Treatments performed this week:

1. Treatment to the two east fingers for the control of Duckweed growth. (1 Acre)
 - Treatment has been added to treated acres to date.
2. Algae treatment throughout all the finger channels.
 - Does not count against contracted treatment acres.

3. Treatment of Muskie trail for the control of Milfoil, Bladderwort and Algae growth. (1.3 Acre)
 - Treatment has been added to treated acres to date.

Treatments scheduled for next week:

1. Treatment in channel from lot 73 to main lake for the control of Milfoil.
 - This is a re-treatment and will not count against the contracted treatment acres.
2. Treatment within area to north of island that separates Muskie trail for the control of Milfoil and Coontail. (2 Acres)
 - Treatment has not been added to treated acres to date.

Beaver Lake: Water level up 4" 83.5 degrees 7.14 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 12 Acres
***Added 2 additional acres at no cost**

Today I inspected the lake for nuisance weed growth and performed 2 different treatments. I treated the north end of the lake to gain access to lots 28 and 29. I also treated the north end of the lake for moderate amounts of algae growth. Results should be seen in the next few days for the algae growth and the next week for the weed growth.

The previous weed treatments on north end of lake is looking better. Most of the milfoil is stressed and has algae growing off it, which is a sign that it is dying off. The spot treatments that were performed in the narrow part of Half-Moon for milfoil growth is looking great. The Milfoil has mostly dropped to the bottom where it continues to die off. The rest of the lake has stayed in the same condition as the past couple weeks, which is in good shape. There are a few lots on south Half-Moon in the bigger area that are getting milfoil around the docks. I will keep an eye on it and if it continues to fill in I will schedule for treatment. The curly leaf is still about 6-8 feet below the surface in the cooler water in Half-moon. It is out of reach for boat traffic.

With this week's treatment we have completed our contracted treatment acres for the season on Beaver. I believe we will still need to perform a few spot treatments to finish out the year. I will only perform treatments if the board approves the use of treatment acres from another lake's unused amount.

Treatments performed this week:

1. Treatment to control Milfoil within channels to dock areas for lots 28 and 29 for boat access. (1 Acre).
 - Treatment has been added to treated acres to date.
2. Algae treatment in far north bay of the lake.
 - Does not count against contracted treatment acres.

No treatments scheduled for next visit

Lincoln Lake: Water level up 3" 83.9 degrees 8.79 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 8.05 Acres

Today I inspected the lake for nuisance weed growth. No treatments were performed today only an inspection. The lake is still looking good with the middle of the channels open for boat access. The previously treated area at lot 31 has improved. The milfoil has dropped to the bottom. The channel south of Deerfield drive is still looking good. Mostly dead milfoil stalks remain and there is a lot of American pondweed coming in along the shoreline. [*American Pondweed is a beneficial aquatic plant that we want to see thrive – T. Sartoris*] Treatment at lot 4007 looks better with a lot of the milfoil dropping out still.

There are quite a few lots with milfoil coming in thick around docks and beaches. I have scheduled treatments to lots 57,58N,58S,60,63 and 64. I will continue to monitor more lots at next visit and schedule for treatment the ones that require weed control.

No treatments performed this week.

Treatments scheduled for next week:

1. Treatment to lots 57, 58N, 58S, 60, 63 and 64 for the control of Milfoil. (.6 Acre)
 - Treatment has not been added to treated acres to date.

Lake Notes 7/11/18

Goose Lake: water level up 2.5" 80.8 degrees 7.61 mg/L

Contracted treatment acres: 15 Acres

Treated Acres to date: 8 Acres

Inspected the lake today for nuisance weed growth. I also performed two different treatments. The first was a Milfoil treatment in the side channel near lots 82-77. The other treatment was the bacteria application in the finger channels and Muskie trail.

The finger channels have some moderate algae growth forming along the shoreline again. There was a reduction in duckweed present in most of the channels treated. The 2 east fingers have some more green growth mixed with some dead growth. I will plan to treat these 2 fingers next week and will be doing an algae treatment throughout all the fingers.

Muskie trail also has some moderate algae growth present along the bottom including Milfoil and Bladderwort. I have scheduled this channel to be treated next week too. The previous treatment for Milfoil just outside of Muskie trail in main channel looks stressed but is still standing tall. I will inspect this section again next week and if no improvements are noticed I will retreat it. The far west end of the lake where it connects to Beaver is still looking good. There is a lot of weed growth, including Milfoil and Coontail, along the north shore. But the middle is clear for boat access. I noted some patches of Milfoil and Coontail in middle of channel just north of island to Muskie Trail, but it is minor for now.

Treatments performed this week:

1. Side channel treatment for lots 82-77 for the control of milfoil. (.5 Acre)
 - Treatment has been added to treated acres to date.
2. Applied bacteria to finger channels and Muskie Trail. (#3/5 applications)

Treatments scheduled for next week:

4. Treatment to the two east fingers for the control of Duckweed growth. (1 Acre)
 - Treatment has not been added to treated acres to date.
5. Algae treatment throughout all the finger channels.
 - Does not count against contracted treatment acres.
6. Treatment of Muskie trail for the control of Milfoil, Bladderwort and Algae growth. (1.3 Acre)
 - Treatment has not been added to treated acres to date.

Beaver Lake: Water level up 6" 82.5 degrees 6.91 mg/L

Contracted treatment acres: 12 Acres

Treated Acres to date: 11 Acres

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

Inspected the lake today for nuisance weed growth and performed 2 weed treatments. The first treatment was within South Half-Moon for lots 55-53, 48 and 47 to control Milfoil growth. The second treatment was on the north side of the lake to control milfoil in the narrow part that connects to large north bay. After performing the second application I noted large mats of algae growth throughout the large north bay of the lake. This has been scheduled to be treated

next week. I also scheduled treatments for the control of Milfoil to access dock areas to lots 28 and 29. I will treat channels from the north bay to the docks for resident access.

There is still a lot of Milfoil in the north bay of the lake but unfortunately after next weeks treatment we will have used all the contracted treatment acres. I will get approval from the board if future treatments are needed. We can always use any unused acres from the other lakes if needed.

While inspecting the lake I noted that North Half-Moon still looks good with only minor growth present. The previously treated areas in South Half-Moon has improved. Most of the Curly leaf has dropped to the bottom of the lake finally. I did note that south of this area there is more Curly leaf present 6-10 ft off the bottom. The water must be stratified in the deeper depths causing the water temps to be much cooler in the bottom. This explains why the Curly leaf isn't growing any taller into the water column. The vegetation is still 8-10 ft below water surface, so it isn't interfering with boat traffic.

Treatments performed this week:

1. Treatment for patches of Milfoil around lots 55-53, 48 and 47 in south half-moon. (.25 Acre).
 - Treatment has been added to treated acres to date.
2. Treatment on north side of lake in narrow channel that leads to large bay for Milfoil control. (.5 Acre).
 - Treatment has been added to treated acres to date.

Treatments scheduled for next week:

3. Treatment to control Milfoil within channels to dock areas for lots 28 and 29 for boat access. (1 Acre).
 - Treatment has not been added to treated acres to date.
4. Algae treatment in far north bay of the lake.
 - Does not count against contracted treatment acres.

Lincoln Lake: Water level up 4" 83.9 degrees 8.51 mg/L

Contracted treatment acres: 12 Acres Treated Acres to date: 8.05 Acres

Inspected the lake today for nuisance weed growth and performed treatment to lots 31 and 7 for Milfoil control. The treatments were focused on the dock and beach area. Lincoln continues to look good. Previously treated areas are staying in good shape with minimal regrowth. Most of the regrowth is native plants which is a huge positive. I continue to notice less and less curly leaf present throughout the lake.

There is some Milfoil that is building up around certain dock areas as of now but most of which is minor growth. I will continue to monitor the lake and schedule treatments as needed. I noted some moderate Milfoil growth at the end of Coal city road channel. It is away from dock areas and boating traffic, so I will leave it alone for now. No treatments will be needed for next week, just an inspection.

Treatments performed this week:

1. Treatment to lot 31 and 7 for the control of milfoil. (.2 Acre)
 - Treatment has been added to treated acres to date.

No treatments scheduled for next week.

Rollins did not visit or treat the lakes the week of 7/4/18

Lake Notes 6/28/18

Goose Lake: water level up 5.75" 82.1 degrees 7.81 mg/L

Contracted treatment acres: 15 Acres Treated Acres to date: 7.5 Acres

Inspected the lake today for nuisance weed growth. Noticed the boat launch is getting a ring of algae, duckweed and milfoil along the shoreline. The middle of the boat launch bay is still clear with only minor growth along the bottom.

The side channel off the boat launch is getting more milfoil closer to the surface. I will schedule this area to be treated from lot 82 to 77 next week. The channel from lot 74 to the main lake is getting thicker along shoreline with milfoil and Bladderwort. It is still navigable at this time, but I will keep an eye on it and retreat if needed.

I treated 2 acres within the finger channels for the control of duckweed growth. Most of the duckweed previously noted in finger channels had been flushed out due to recent rains into the main lake. Results should be noticed soon. Muskie trail is getting more growth along the shoreline forming. The growth consists of Milfoil, Algae, Duckweed, Sago pondweed, American pondweed and Bladderwort.

I treated a patch of milfoil in the large channel on back side of island to Muskie trail. I also noted some patches coming in further to the east of this treatment area, but growth is sporadic at this time. Treatment will not be needed as of now.

Treatments performed this week:

1. Duckweed treatment throughout the finger channels. (2 Acres)
 - Treatment has been added to treated acres to date.
2. Treatment of Milfoil in main channel just outside of Muskie trail. (.75 Acre)
 - Treatment has been added to treated acres to date.

Treatments scheduled for next week:

3. Side channel treatment for lots 82-77 for the control of milfoil. (.5 Acre)
 - Treatment has not been added to treated acres to date.
4. Apply bacteria to finger channels and Muskie Trail. (#3/5 applications)

Beaver Lake: Water level up 6" 82.5 degrees 6.91 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 10.25 Acres
***Added 2 additional acres at no cost**

Inspected the lake for nuisance weed growth and performed one weed treatment. Performed a re-treatment to South Half-Moon for the control of Curly leaf pondweed. There are a few lots listed below with patches of milfoil growth in South Half-Moon that will be scheduled for treatment next week. The milfoil is starting to get closer to the surface and with it being so shallow in this area it will need to be controlled. There is another area on the north side of the lake where it narrows down and opens back up that needs to be treated for milfoil control. This area will be treated next week as well.

North Half-Moon is still looking good with minimal weed growth present in the middle of the channel. There are a couple channels on the north end of the lake that is starting to get heavier milfoil growth. I am keeping an eye on this area for now but may need treatment in the future. The large north bay of the lake has a lot of milfoil growth within the steep ridges. We are getting low on available acres to be used on Beaver and may need to pull from other lakes if future treatments are needed. The remaining lake is in good shape.

Treatments performed this 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.

Treatments scheduled for next week:

3. Treatment for patches of Milfoil around lots 55-53, 48 and 47 in south half-moon. (.25 Acre).
 - Treatment has not been added to treated acres to date.
4. Treatment on north side of lake in narrow channel that leads to large bay for Milfoil control. (.5 Acre).
 - Treatment has not been added to treated acres to date.

Lincoln Lake: Water level up 6.5" 83.7 degrees 7.75 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 8.05 Acres

Inspected the lake for nuisance weed growth and performed one weed treatment in the bay for lots 4001-4003 for the control of Curly leaf pondweed. The remaining lake is looking good. Previously treated channels are still in good shape. Most of the Curlyleaf has dropped out in the lake with the warmer water temps. The main nuisance is now Milfoil growth.

There are 2 lots next week that will be scheduled for treatment and they are listed below. They both have Milfoil growth around the dock areas. I am still trying to leave most of the native plants alone if it doesn't violate our management plan. I was unable to look at the Coal City road channel due to boat motor overheating. I will inspect the channel at next visit.

Treatments performed this week:

1. Treatment to the bay around lots 4001-4003 for the control of Curly leaf pondweed. (.75 Acre)
 - Treatment has been added to treated acres to date.

Treatments scheduled for next week:

2. Treatment to lot 31 and 7 for the control of milfoil. (.2 Acre)
 - Treatment has not been added to treated acres to date.