

Weed Committee Report GLA Board Meeting – 9-25-2017

Chris Cartwright made four visits to the lakes since the last meeting. See Rollins Aquatic reports below for complete details of each of the visits.

Rollins will not be out this week and will make a final visit and bacteria treatment next week. He should have his end of year report and suggestions for next year's treatment plan soon.

We budgeted 10 acres of treatments on Goose and 12 acres of treatments on Lincoln. Rollins treated 11.6 acres on Goose and 10.4 acres on Lincoln and stayed within the budget.

We need data from Joe Turk and Tom Morris on the results of the bacteria treatment for the muck to determine if we should expand this program next year.

Anthony Sartoris – Weed Committee Chairman – sart912mail@comcast.net

Lake Notes 9/21/17

Goose Lake: Water level down 5.5-6" 76.7 degrees 7.13 mg/L

Contracted treatment acres: 10 Acres

Treated Acres to date: 11.6 Acres

Today I inspected the lake and treated the finger channels for algae growth. Most of the lake is in really good shape. A lot of the growth is starting to die off now that it is getting closer to the end of the growing season. With cooler temps and some rain coming in the extended forecast things should stay that way.

Last week's re-treatment area is showing signs of stress. Muskie trail looks good with only subsurface algae growth present in the channel. Water depth is really a factor in the channel now. All the remaining channels and previously treated areas are in good shape. This will be one of the last inspections of the season. I will come back out the second week of October to perform the final bacteria application and check out the lake.

Treatments performed today:

1. Algae treatment in the finger channels

No treatments scheduled for next week.

Beaver Lake: Water level up .5" 76.8 degrees 7.05 mg/L

Full Lake Treatment

Today I inspected the lake and performed a weed treatment for the control of milfoil in the north half-moon channel. The algae has dropped out since last week's treatment in this area. The weed treatment should have minimal effect on the native plants in the area.

South half-moon is in the same condition as last week's visit. There is some nitella/chara growth around the shoreline of lots HM51-52. There is also pondweed and nitella still around lot HM 47 but the remaining channel is still navigable for boat traffic. The channel is getting shallow in a couple areas.

The north side of the lake and the west are in good shape. There are no concerns in the rest of the lake. There will be no treatments scheduled for next week. I will come back out in mid-October for one last inspection of the lake.

Treatment performed today:

1. Milfoil control in north half-moon from the bridge east to the end of the channel

No treatments scheduled for next week.

Lincoln Lake: Water level down 4.5-5" 77.7 degrees 8.06 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 12 acres
***1.6 acres used on Goose lake**

Today I inspected the lake for nuisance weed growth and performed a weed treatment on lot 20. The lake is in really good shape and should continue to be for the remainder of the season. There is some nitella and coontail growth starting in the "A" channel on the west side of the lake. Growth is minimal and does not interfere with boating.

For next year I plan to try and leave as much weed growth as possible along shorelines, so long as it does not interfere with boating. I would like to consider extending some of the fish habitat areas as well. One of the biggest complaints I have gotten is from fisherman stating that there is a lack of weed growth throughout the lake. I plan to keep using the spot treatment method for the weed management of Lincoln lake. No treatment will be made next week

Treatment performed today:

1. Lot 20 both bays were treated for algae, curlyleaf and milfoil.

No treatments scheduled for next week.

Lake Notes 9/14/17

Goose Lake: Water level down 4-5" 74.6 degrees 8.36 mg/L
Contracted treatment acres: 10 Acres Treated Acres to date: 11.6 Acres

Today I inspected the lake and performed 2 different applications. The boat launch bay continues to look good with some sporadic dead stalks in the middle. The lake level continues to go down with the lack of rain. Muskie trail is getting more difficult to access but is looking good overall.

The west end of lake is in good shape as well with only one small patch of milfoil on a shallow flat in the middle of the channel. There is still boating access through the far west end where the pipe connects to beaver. The finger channels are looking good except for some algae growth. I will treat the algae growth at next visit. Side channels continue to be ok with some growth along the shoreline but the middle clear for boat access.

Treatments performed today:

1. Lots 89-92 were re-treated for the control of milfoil growth.
2. Bacteria treatment in Bluegill Ct. channel and at the west end of Muskie trail.

Treatments scheduled for next week:

1. Algae treatment throughout the finger channels.

Beaver Lake: Water level up .25" 73.8 degrees 7.96 mg/L
Full Lake Treatment

Today I inspected the lake and performed 2 treatments. I treated the algae growth present in north half-moon from the boat launch east to the end of the channel. The milfoil in this area continues to increase and I will schedule it to be treated next week. There is a lot of native plant growth in this area so I will try to be very selective with the application.

I also retreated lot 41 for pondweed growth. South half-moon is still looking good, most of the previously treated weeds continue to decompose but some are taking longer to do so. The channel is clear for navigation. Lots 47 and 48 have some pondweed and milfoil along the shoreline but treatment is not needed. The weed beds are holding a decent amount of fish. No other areas of concern in the lake.

Treatments performed today:

1. Lot 41 retreated for American pondweed and sago pondweed
2. Treated the north side of half-moon for algae growth.

Treatment scheduled for next visit:

2. Milfoil control in north half-moon from the bridge east to the end of the channel

Lincoln Lake: Water level down 3" 75.1 degrees 9.41 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 12 acres
***1.6 acres used on Goose lake**

Today I inspected the lake for nuisance weed growth and to track the native plant community. The previous treatments are showing good results. Most of the targeted plants have dropped out or are showing stress. I noted some excess growth in both coves of lot 20. I will schedule this area to be re-treated next week.

I also noted some patches of native plants along the residential shoreline of the coal city road channel. It mostly consists of naiad and pondweed growth. No treatment will be needed. I am noticing more curlyleaf pondweed popping up in the lake. I will make note of these areas so I can get a jump on them early next spring. There are no other concerns on the lake.

Treatment scheduled for next week:

2. Lot 20 both bays need to be treated for algae, curlyleaf and milfoil.

Lake Notes 9/7/17

Goose Lake: Water level down 2.5"

*** Temp and oxygen meter had dead batteries**

Contracted treatment acres: 10 Acres

Treated Acres to date: 11.6 Acres

Today I inspected the lake for nuisance growth and to monitor native plant growth. The finger channels are still looking good. Minimal duckweed and algae growth present throughout them. Water clarity continues to improve on the east side of the finger channels.

The dock area of lot 1076 looks good still as well. Boat launch bay has improved since last visit. Most of the milfoil growth has finally dropped out fully. There are still a few plants present in this area but they are dead stalks. The side channels, where treated, look good as well. My initial goal when I treated this area was to create a navigation channel in the middle but leave weeds along the shoreline. It looks like the plan worked and the middle is navigable with weeds present along shoreline.

Muskie trail is getting very shallow with the lack of rain. The previous milfoil treatment worked well and most of the growth has dropped out. There are a few milfoil patches located on the west end of the lake but there was people fishing off them with success. I will leave this area alone. The only area of concern on Goose right now are lots 89-92. The milfoil still hasn't dropped out from the previous treatment. I will schedule this area to be treated next week.

Treatments scheduled for next week:

3. Lots 89-92 to be re-treated for the control of milfoil growth.
4. Bacteria treatment in Bluegill Ct. channel and at the west end of Muskie trail.

Beaver Lake: Water level up 1"

*** Temp and oxygen meter had dead batteries**

Full Lake Treatment

Today I inspected the lake and treated lots 42 and 43 for the control of American pondweed, milfoil and naiad. The previously treated area on south half-moon is looking better. Most of the weeds have dropped to the bottom out of the way of boat traffic. There were still some patches of weeds present along the shoreline area of lots 47 and 48. This growth is out of the way of the middle so boat traffic shouldn't go through it. It is currently holding a good amount of fish and since the previous treatment there is not a lot of vegetation in deeper water of this channel. I will hold off on treating it for now unless we receive complaints. Lot 1041 still has some American pondweed around the dock area that I have scheduled to be re-treated next week.

The remaining lake is in good shape. Most of the growth present in the rest of the lake is native plants. They are mainly sticking to the shoreline in shallower areas of less than 4 to 5 feet of water. The only other area of concern is in north half-moon from the boat launch to the east end of the channel. There is a moderate amount of algae and milfoil growth along the sides. I have scheduled the algae to be treated next week and will treat the milfoil the following week once the algae have died off. This should result in better results for the weed treatment.

Treatments performed today:

3. Lots 42 and 43 for the control of milfoil, American pondweed and naiad.

Treatment scheduled for next visit:

3. Lot 1041 needs to be re-treated for the control of American pondweed.
4. Algae treatment in north half-moon from the boat launch to the east.

Lincoln Lake: Water level down 2"
Contracted treatment acres: 12 Acres

*** Temp and oxygen meter had dead batteries**
Treated Acres to date: 12 acres
***1.6 acres used on Goose lake**

Today I inspected the lake for nuisance weed growth and treated 4 lots for the control of milfoil, coontail and pondweeds. Lincoln lake has been the easiest to manage this season. All previously treated areas are still in good shape and should continue to be. The shallow channels are navigable by boat but still have some weed growth present along the shoreline for fish habitat. Going into next year I plan to try and leave more areas alone for fish habitat, so long as the weeds do not interfere with boat traffic. Most of the treatments I performed this year were similar areas that were treated last year. There are no concerns noted at this time for Lincoln lake.

Treatments performed today:

1. Lots 5049,5056,5057 and 5059-S will be treated around the dock areas for milfoil, pondweeds and coontail. (.2 acres)
 - Area has been added to overall treatment acres for the season.

No treatments scheduled for next week.

Lake Notes 8/24/17

Goose Lake: Normal water level
Contracted treatment acres: 10 Acres

78.3 degrees **6.43 mg/L**
Treated Acres to date: 11.6 Acres

Today I inspected the lake and performed nuisance weed/algae treatments. The boat launch bay is looking much better after the previous treatment along with the side channels. There are some floating mats of dead milfoil throughout these areas but they should continue to breakdown and decompose. Lot 76 is clear around the dock and boat areas.

The finger channels are looking much better with most of the duckweed gone. We treated for algae growth around the shoreline so it should stay looking good for a while. Muskie trail was treated for milfoil growth in the west half of the channel. The previous treatment in this channel knocked most of the algae out. The west end of the lake is looking good too.

The only area of concern is lots 89-92. I treated this area previously for the control of milfoil and although the weeds look stressed they are still standing. If these areas do not improve by the next inspection then I will schedule them for a retreatment.

Treatments performed today:

1. Milfoil treatment in Muskie trail from lot 100 to the end. (1.25 ac.)
 - * Retreatment acreage does not count against contracted treatment acres.
2. Algae treatment in the finger channels

No treatments scheduled for next week. I will inspect the lake again the first week of September.

Beaver Lake: Water level up 3.75" 76.8 degrees 7.95 mg/L
Full Lake Treatment

Today I inspected the lake and treated part of the south half-moon channel for nuisance weed growth. The lake is still looking good with mainly native weed growth present around the shoreline. I have noticed more native weed growth and the American pondweed is coming in thicker. North half-moon has multiple species of weeds around the shoreline. The middle of the channel is still clear for boat traffic.

There are a couple areas of concern on the lake. Both lots are within the southside of half-moon. They are lots 1043 and 1041. 1041 was previously treated before and has improved but still has some pondweed standing tall. I will schedule this lot to be retreated if it has not improved next visit. Lot 1043 has a moderate mix of milfoil and pondweed growth around the dock/boat area. I will treat this area next visit on 9/7.

Treatments performed today:

4. South Half-Moon channel from lots 15-23 for the control of sago pondweed and Naiad.

Treatment scheduled for next visit:

5. Lot 1043 for the control of Milfoil/pondweed around the dock area.

Lincoln Lake: Water level up .5" 79.3 degrees 7.44 mg/L
Contracted treatment acres: 12 Acres Treated Acres to date: 11.8 acres
***1.6 acres used on Goose lake**

Today I inspected the lake for nuisance weed growth and to check on native plant growth as well. Lincoln lake is in good shape overall. Coal city road channel continues to look good and the same goes for Lincoln Lake estates. I noted some stonewort coming in along the shoreline of the "A" channel. There are only a couple areas that are a concern. They are lots 5049,5056,5057 and 5059-S. I will schedule these areas to be treated at the next visit. This will use up the remaining treatment acres for the season. Going forward I will get approval from the weed committee with the additional cost.

I talked to the resident at lot 32 on the north end of the lake. He is concerned about the water clarity and color of his end of the lake. It does look to be a grey color and not as clear as other parts of the lake. He believes that someone's pumping their septic into the lake. He said the water clarity diminished last year and hasn't been the same since. I haven't noticed a change but I have only been managing the lake for 2 seasons. To me it looks like there is sediment washing into this area from the waves hitting the shoreline but that should have settled out by now. I will keep an eye out on this area going forward.

Treatments scheduled for next visit:

2. Lots 5049,5056,5057 and 5059-S will be treated around the dock areas for milfoil, pondweeds and coontail.