



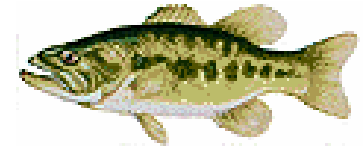
VILLAGE OF LINDENHURST
Lakes Commission Meeting Agenda
Tuesday, July 18, 2023
7:00 p.m.

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes from the March 21, 2023 Meeting
- IV. Commissioner Reports
 - A. Chairperson Report (Kraft)
 - B. Individual Lakes Commissioner Reports
 - C. Trustee Report (Dickson)
 - D. Village Report
- V. Old Business
- VI. New Business
 - A. Fisheries Update and Discussion
 - B. Lake Linden Fish Kill Discussion
 - C. Discussion with McCloud Rep. On Management Approach for remainder of 2023
 - D. 2023 Outreach Opportunities – Ongoing Discussion
 - a. Earth Day 2024
 - b. Park District Cooperation
 - c. Lindenfest
 - E. 2023 Budget Cycle Update
 - a. Lake Depth Study
 - b. Fisheries Survey-COMPLETED
 - c. Water Quality Sampling- Ongoing
 - d. Lake Potomac Aeration System-NOT FUNDED FOR 2023
 - F. Ongoing Lakes Management Plan Drafting and Data Collection
 - G. Water Quality Sampling Update
 - H. Annual LLC Report and Recommendations
- VII. Public Participation
- VIII. Adjournment

Rules for Public Comment: The Village of Lindenhurst welcomes comments from the public during the designated sections of the Village Board meeting. We ask that you keep your comments respectful, civil, and constructive to matters of public policy. Those wishing to comment will be limited to three (3) minutes per person and the total time allotted for public comment will be thirty (30) minutes. The Chair will recognize speakers and may deny someone who has previously addressed the Board an additional opportunity to speak. (VOL Village Code §30.22)



**Lakes Commission Meeting
March 21, 2023
7:00 p.m.**



Tom Heinrich	Lake Springledge	Jim West	Lake Waterford
P.J. Hilbert	Village at Large	Brad Winter	Lake Potomac
Dave Kraft	Chair & Village at	Caly Winter	Village at Large
Kevin Lowry	Village at Large	Pat Dickson	Village Trustee
Fritz Meyers	Village at Large	Clay Johnson	Village Administrator
Carlos Menor Salazar	Lake Linden	Kevin Klahs	Director of Operations
Jim Stout	Park District Liaison	Dominic Marturano	Mayor
			bold = present

- I. Call to Order - The meeting was called to order at 7:00 pm
- II. Roll Call - Members of the Lakes Commission were present as indicated in **bold** above.
- III. Approval of Minutes from the January 17, 2023 Meeting.
Approval of the minutes was delayed until later in the meeting when a quorum was present. In the presence of a quorum, a motion was made by Kevin L. and seconded by Jim to approve the minutes of the January 17, 2023, meeting. The motion carried.

IV. Commissioner Reports

A. Chairperson Report – Dave began the meeting by reminding members of the LLC that we are beginning a year in which data collection about our lakes will be emphasized. Once the LLC is able to collect data, we will be able to better establish goals and write lake management plans. He said that, later in the meeting, he will share some updates on where the LLC stands with respect to some of the budgetary requests that were discussed in earlier meetings.

Dave expressed his curiosity about what type of season we can expect on our Village lakes, as he just visited a lake that, despite being so early in the season, is already green with algae. He went on to say that this particular lake has typically experienced algae problems in the past.

Then Dave asked members of the LLC for individual lake reports.

B. Individual Lakes Commissioner Reports –

Potomac – Although there was no formal report for Potomac. Kevin L. and attendee Michael L. said that the lake looked good from what they were able to observe casually.

Springledge – Tom said that there was nothing much to report because this is the “dead” time of the year for the lake. There has been no activity on the lake except for the presence of geese and mallards.

Waterford – Fritz reported that there were many geese and ducks on Waterford, but no swans. He went on to say that the water seemed clear.

Linden – Trustee Dickson reported that he observed swans on Linden, and the water clarity seemed fine.

- C. Trustee Report – Trustee Dickson had no report other than the aforementioned report on Linden.
- D. Village Report – Kevin K. confirmed that the water quality testing funds that we had requested were in the budget for next year. In addition, Kevin K. reported that McCloud signed the continuation contract for next year to continue as the Village herbicide applicator for our lakes.

V. Old Business: None

VI. New Business:

A. Fisheries Update and Discussion.

In P.J.’s absence, Dave reported that the early “ice out” this year has caused P.J. to be much busier than usual. Because of this, Dave summarized what he knew of P.J.’s findings from the fish survey. He mentioned the following: in general, the fish tended to be a little smaller than in the past; P.J. will be working on recommendations for future fish stocking because of the survey; and there were more fish in Potomac than expected (but no bass). Dave went on to say that P.J. surveyed a total of 1,351 fish. Species surveyed in our lakes included blue gill, largemouth bass, green sunfish, black crappie, yellow bullhead, etc. It was mentioned that larger fish tended not to show up in many fish surveys because they are less likely to be stunned by the mild electrical impulses and they tend to congregate in the deeper areas of the lake. Dave concluded the discussion by suggesting that there be future LLC discussions about whether it would be appropriate to revisit the fishing limits on panfish.

- B. 2023 Outreach Opportunities. – Once again, Dave encouraged members of the LLC to develop future initiatives for community outreach and educational initiatives. Dave mentioned that he has talked to Jim S. about possible involvement in the fishing derby that is normally held at Janega Park. In response to Kevin L.’s question, Dave and Kevin K. reiterated that there will be no Earth Day event sponsored by the Village this year. Finally, Tom and Fritz suggested that the LLC may consider an educational/outreach presence at some of the concert events sponsored by the Village over the summer.

- C. Project Preparation for 2023 Budget Cycle. Dave reiterated that the items requested in the 2023 budget cycle were geared toward closing the data gaps associated with our lakes. He confirmed that our proposed bathymetric surveys for all four lakes would be included as a budget request subject to Village Board approval. In addition, he confirmed that \$3,000 would be included as a budget request for water quality sampling (subject to

Village Board approval). Finally, Dave reported that the Potomac aeration system discussed earlier in the year would not be able to go forward for approval in the upcoming year because more specific data was needed to support the expenditure.

- D. Ongoing Lakes Management Plan Drafting and Data Collection – Dave suggested that the LLC consider assembling a smaller group to work over the upcoming winter with the goal of developing and defining possible capital project requests for the future. Kevin L. commented that, in his experience as a manager, it has always been helpful to develop one-year plans, three-year plans, and five-year plans.
- E. Annual LLC Report and Recommendations – Dave informed members of the LLC that he met with Clay about budgetary requests since our last meeting. During their meeting, Clay suggested that it would be a good practice for the LLC to develop and submit an annual Lakes Commission report for the Village Board. Dave said that he would develop this annual 2-to-3-page report at the end of the season and submit it around November.
- F. ILMA Debrief – Dave reported that he attended and presented at the recent Illinois Lakes Management Association (ILMA) annual meeting in Gurnee from March 8 through March 11. He added that the conference was fun and very much worth attending.

VII. Public Participation – A resident commented that the informational packet assembled in preparation for the meeting was good.

VIII. Adjournment – A motion to adjourn was made by Tom and seconded by Fritz. The meeting adjourned at 7:55 P.M.

Respectfully submitted,

Tom Heinrich
Recording Secretary

LLC Public Participants

<u>Name</u>	<u>Address</u>
Michael Leoni	1895 Skyline Circle



04/25/2023 Aquatic Services Report

LAKE LINDEN

Vegetation Present: No surface algae detected. There was some benthic algal fuzz observed sticking to the chara. A decent spread of chara growth throughout Lake Linden. There was no submerged weed growth identified.

Work Done: Today marks the first stop of the 2023 season. I took a cruise around the lake to make some initial inspection; chara was the primary vegetation that was observed. I sprayed some of the chara growth at the south end of the Lake. The plan is to start with chara control early to avoid some overgrowth observed last year. I also plan on attacking segments to allow for concentrated bursts during each application. The season long goal is to maintain a waterbody that has a healthy and dispersed level of chara and other beneficial plants.

LAKE POTOMAC

Vegetation Present: I observed roughly 10-15% surface algae with scattered benthic growth. There were also good chara and nitella populations throughout the lake. A few spots of horned pondweed were also observed during the inspection.

Work Done: I treated filamentous and benthic algae growth areas on Lake Potomac today. Algae growth was mainly located throughout the Northern section of the Lake. I focused my application on the North end and made a trail from the boat launch to open up a lane to boat through.

SPRING LEDGE

Vegetation Present: Upon observation, there was roughly 10% cover of a small broken up ring of filamentous algae growth present. There was 1-5% growth of chara. There were a few areas of downed trees/branches across the lake. No submerged weed growth was observed.

Work Done: Spring Ledge has few algae around shoreline areas, particularly where there are downed trees/branches. The algae were treated today and should clear out in about a week! I saw no invasive growth here today, but I am still anticipating some to pop up in the following service or two due to the flow from Waterford Lake. If the invasive plants do pop here, I will treat them accordingly on sight!

WATERFORD LAKE

Irrigation Restrictions: 30 days – the water may not be used for irrigation purposes; (however, pumping water from Lindenhurst lakes is always against Village ordinance.)

Vegetation Present: No filamentous algae growth present. There was roughly 10% coverage of chara development along the shallow areas. A scatter of invasive curlyleaf pondweed growth was observed throughout the lake.

Work Done: Today, I applied to combat the invasive curlyleaf pondweed growth throughout Waterford Lake. The application made today can take up to a month for full effect. However, it will provide season long control of the invasive weeds while leaving the natives untouched! I can also follow up with a burn off application to clear up any straggling weed fragments sticking around before Memorial Day. I think that we should have a fantastic season for Waterford Lake!



05/10/2023 Aquatic Services Report

LAKE LINDEN

Dissolved Oxygen (PPM): 9.3 mg/l

Water Temperature: 71.8

Vegetation Present: There was some Chara growth, along with horned and sago pondweeds scattered throughout the lake. There were a few patches of invasive curlyleaf pondweed near the boat launch area as well.

Work Done: The main focus today on Lake Linden was to continue to chip away at chara growth and try to maintain healthy quantities for the lake. Chara applications today were focused on taller mats of growth close to or breaching the surface and areas around resident piers and beaches. I also hit the public beach areas pretty good as well! I made a second small application to knock out the small amount of curlyleaf pondweed growth present. I did see a good diversity of fish species and activity all throughout the lake. I also observed a large snapping turtle with a shell with a greater diameter than a basketball on the western end of the lake.

LAKE POTOMAC

Dissolved Oxygen (PPM): 10.6 mg/l

pH: 9.74

Water Temperature: 67.5

Vegetation Present: 20% Filamentous Algae. 50% Chara/Nitella. 1% free-floating plants (Duckweed/ Watermeal). 1 – 3% submerged weeds (elodea and horned pondweed).

Work Done: Today I did an algae/chara treatment around the entire shoreline. I also hit the majority of the floating spots out in the middle of the lake. I sprayed the dead algae as well to help break it down faster. You should see some improvement over the next week. Submerged weed levels were low. No treatment was needed for this today.

SPRING LEDGE

Dissolved Oxygen (PPM): 13.1 mg/l

pH: 9.19

Water Temperature: 66.4

Vegetation Present: 10% Filamentous Algae. 5% Chara/Nitella. 1% free-floating plants (Duckweed/ Watermeal). 10% submerged weeds (curlyleaf pondweed).

Irrigation Restrictions in Days: 3 days- the water may not be used for irrigation purposes; (however, pumping water from Lindenhurst lakes is always against Village ordinance.)

Animal Drinking Restrictions: 1

Work Done: The lake had some curlyleaf pondweed growth around the shoreline. This was treated accordingly. The plants should die off in 7-14 days. I also did a strong algae treatment. You should see some improvement over the next week. I sprayed the dead brown algae as well to speed up the decomposition process.

WATERFORD LAKE

Dissolved Oxygen (PPM): 8.9 mg/l

Water Temperature: 68.8

Vegetation Present: 1 % filamentous algae growth present around a few shallow shoreline areas. There was chara growth lightly scattered throughout shallow areas of the lake, but the most prominent area of growth is the NE corner and South Bay of the lake. There was scattered invasive curlyleaf pondweed growth throughout the lake. This growth is showing some good signs of damage to all areas of the lake.

Work Done: Waterford Lake is progressing nicely from the early season application to target the invasive curlyleaf pondweed growth present. The curlyleaf is looking very beaten up with burnt, wilted, and translucent leaflets seen on all of the plants. I would anticipate that the growth really starts moving to the surface over the next week as it continues to weaken. I plan on coming back out next week for an extra service to clean up areas of decayed weeds and attack a few pockets of chara growth with weighted hoses. The hoses will allow for the product to be dropped directly into the chara growth.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/09/2023 12:20 AM

WORK ORDER

WO-79002

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Waterford Lake		847-356-8252
	2485 Teal Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Waterford Lake Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	8.9
Filamentous Algae::	1% filamentous algae growth present around a few shallow shoreline areas
Water Temperature::	68.8
Chara/Nitella::	Chara growth lightly scattered throughout shallow areas of the lake. The most prominent growth is in the NE corner and South Bay of the lake
Submerged Weeds::	Scattered invasive curlyleaf pondweed growth throughout the lake. The growth is showing some good signs of damage in all areas of the lake
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/09/2023 12:00 AM

Work Done

Description:	Waterford Lake is progressing nicely from the early season application to target the invasive curlyleaf pondweed growth present. The curlyleaf is looking very beat up with burnt, wilted, and translucent leaflets seen on all of the plants. I would anticipate that the growth really starts moving to the surface over the next week as it continues to weaken. I plan on coming back out next week for an extra service to clean up areas of decayed weeds and attack a few pockets of chara growth with weighted hoses. The hoses will allow for the product to be dropped directly into the chara growth.
	5.10.23
	JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:21

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/09/2023 12:20 AM

WORK ORDER

WO-79005

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Linden		
	2100 Sprucewood Ln.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Linden Standard Pond/Lake Contract	Done
-	

Work Done

Description: Today on Lake Linden the main focus was to continue to chip away at chara growth and trying to maintain healthy quantities for the lake. Chara applications today were focused on taller mats of growth close to or breaching the surface and areas around resident piers and beaches. I also hit the public beach areas pretty good as well! I made a second small application to knock out the small amount of curlyleaf pondweed growth present.

I did see a good diversity of fish species and activity all throughout the lake. I also observed a large snapping turtle with a shell with a greater diameter than a basketball on the Western end of the Lake.

5.10.23
JR

Invoice

Amount:	\$0.00
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Attachments

There are no attachments.

Signatures

Work Accepted by: _____ **Date:** _____

Completed by: _____ **Date:** _____

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/09/2023 12:20 AM

WORK ORDER

WO-79005

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Linden		847-356-8252
	2100 Sprucewood Ln.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Linden Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	9.3
Filamentous Algae::	1-5% filamentous algae growth present, mostly as benthic growth
Water Temperature::	71.8
Chara/Nitella::	Chara growth scattered throughout the lake
Submerged Weeds::	some horned and sago pondweeds scattered throughout the lake. A few patches of invasive curlyleaf pondweed right near the boat launch area
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/09/2023 12:00 AM

Work Done

Description: Today on Lake Linden the main focus was to continue to chip away at chara growth and trying to maintain healthy quantites for the lake. Chara applications today were focused on taller mats of growth close to or breaching the surface and areas around resident piers and beaches. I also hit the public beach areas pretty good as well! I made a second small application to knock out the small amount of curlyleaf pondweed growth present.

I did see a good diversity of fish species and activity all throughout the lake. I also observed a large snapping turtle with a shell with a greater diameter than a basketball on the Western end of the Lake.

5.10.23
JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	2:03

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/09/2023 12:20 AM

WORK ORDER

WO-79004

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Potomac		847-356-8252
	6465 Federal Pkwy		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Potomac Standard Pond/Lake Contract None (ongoing)

-

Dissolved Oxygen (PPM)::	10.6
Filamentous Algae::	20%
Planktonic Algae::	0
pH::	9.74
Water Temperature::	67.5
Wind Speed/Direction::	5S
Chara/Nitella::	50%
Submerged Weeds::	elodea 1-5% horned pondweed 1-5%
Floating Pondweed (American/IL Pondweed)::	0
Free Floating Plants (Duckweed/Watermeal)::	1%
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Kayla Chancellor
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/09/2023 12:00 AM

Work Done

Equipment: SR-Lake Potomac (Service Report)

Description: Today I did an algae/chara treatment around the entire shoreline. I also hit majority of the floating spots out in the middle of the lake. I sprayed the dead algae as well to help break it down faster. You should see some improvement over the next week. Submerged weed levels were low. No treatment was needed for this today.
Thanks,
Kayla 5/9/2023

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Kayla Chancellor	-	-

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/09/2023 12:20 AM

WORK ORDER

WO-79003

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Spring Lake		847-356-8252
	2558 Mallard Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Spring Lake Standard Pond/Lake Contract None (ongoing)

-

Dissolved Oxygen (PPM)::	13.1
Filamentous Algae::	10%
Planktonic Algae::	0
pH::	9.19
Water Temperature::	66.4
Wind Speed/Direction::	3S
Chara/Nitella::	5%
Submerged Weeds::	curlyleaf pondweed 10%
Floating Pondweed (American/IL Pondweed)::	0
Free Floating Plants (Duckweed/Watermeal)::	1%
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	3
Livestock Drinking Restrictions in Days::	1
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Kayla Chancellor
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/09/2023 12:00 AM

Work Done

Equipment: SR-Spring Lake (Service Report)

Description: The lake had some curlyleaf pondweed growth around the shoreline. This was treated accordingly. The plants should die off in 7-14 days. I also did a strong algae treatment. You should see some improvement over the next week. I sprayed the dead brown algae as well to speed up the decomposition process.
Thanks,
Kayla 5/9/2023

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Kayla Chancellor	-	-

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



05/23/2023 Aquatic Services Report

LAKE LINDEN

Dissolved Oxygen (PPM): 10.3 mg/l

Water Temperature: 75.9

Vegetation Present: Lake Linden had 1-3% of filamentous algae growth present as benthic fuzz in a few shallow areas. There were scattered rooted and floating chara growth throughout Lake Linden, with the south and north lobes containing a denser growth. Lake Linden has a few patches of native pondweed scattered around the lake. There were two small patches of beaten up curlyleaf near the boat launch.

Work Done: Today I focused all of my attention on Lake Linden towards the topped-out chara and floating chara mats present in the north and Southern lobes of the Lake. I broke today's treatments down into two different types of applications using different variations of the same product. I started in the Southern lobe by blanketing granular algaecide which will sink down into the growth and slow-release product from within the middle. The rest of the treatment was performed mostly via direct injection of the spray into the chara patches with some broadcast application over the top.

LAKE POTOMAC

Dissolved Oxygen (PPM): 8.9 mg/l

Water Temperature: 76.5

Vegetation Present: 5-10% of filamentous algae growth is present on the water surface. 60-75% of the lake contains nitella and chara growth. <1% of watermeal growth. There was also some scattered organic debris and a light mix of horned/sago pondweeds observed.

Work Done: Lake Potomac has cleaned up a bit over the last few visits. the North end of the Lake was looking good today with most all of the algae growth located in the middle and south portions of the lake. I treated aggressively for algae and chara growth present which I am hoping is cleared up in the next week or so!

SPRING LEDGE

Dissolved Oxygen (PPM): 8.8 mg/l

Water Temperature: 71.4

Vegetation Present: 5% Filamentous Algae

Work Done: Spring Ledge is looking pretty good today upon my arrival. I did measure water quality parameters and made an application to clear up the small amount of filamentous algae growth present. I expect the algae growth to have cleared out in a week's time!

WATERFORD LAKE

Dissolved Oxygen (PPM): 9.2 mg/l

Water Temperature: 72.3

Vegetation Present: There is 10-15% filamentous algae growth present around areas of shoreline. Chara growth is prominent in the shallow areas of the lake. The northern shoreline of the lake has a greater density of chara growth, particularly in the Northeast corner of the lake. Decomposing curlyleaf pondweed growth was observed throughout the lake. All of the growth is very wilted and withered. Waterford lake also had a few spots of native pondweed growth.

Work Done: Today I put in a good algaecide application to attack filamentous algae growth and areas of excess that get too much excessive chara growth. The application was focused on areas around the shoreline, docks, and beaches. Areas with dense chara and floating chara Mata were hit a bit harder due to the higher rates required to control chara growth. Algae growth likely took off and bloomed as a result of the nutrient dump that occurs as the invasive weeds decompose and release nutrients into the water column. I expect today's application to show some results in 5-7 days!

Waterford had a lot of fish activity observed today. Species primarily consisted of bluegill in various sizes and medium to large-sized largemouth bass.



McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/23/2023 12:23 AM

WORK ORDER

WO-80672

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Linden		847-356-8252
	2100 Sprucewood Ln.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Linden Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	10.3
Filamentous Algae::	1-3% filamentous algae growth present as benthic fuzz in a few shallow areas
Water Temperature::	75.9
Chara/Nitella::	Scattered rooted and floating chara growth throughout Lake Linden. Areas in the South and North lobes contain some more dense growth
Submerged Weeds::	A few patches of native pondweed growth scattered around the lake. two small patches of beaten up curlyleaf near the boat launch
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/23/2023 12:00 AM

Work Done

Description:	Today I focused all of my attention on Lake Linden towards the topped out chara and floating chara mats present in the north and Southern lobes of the Lake. I broke today's treatments down into two different types of applications using different variations of the same product. I started in the Southern lobe by blanketing granular algaecide which will sink down into the growth and slow release product from within the middle. The rest of the treatment was performed mostly via direct injection of the spray into the chara patches with some broadcast application over the top.
	5.23.23 JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:01

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/23/2023 12:23 AM

WORK ORDER

WO-80669

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Waterford Lake		847-356-8252
	2485 Teal Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Waterford Lake Standard Pond/Lake Contract Done

-

Dissolved Oxygen (PPM):: 9.2

Filamentous Algae:: Filamentous algae growth present around areas of shoreline around a good portion of the Lake. A few spots of open water algae on top of a few chara mats, roughly 10-15% cover

Water Temperature:: 72.3

Chara/Nitella:: Chara growth present and thriving in shallow areas. The Northern shoreline of the lake has a bit of a greater density of growth, particularly in the Northeast corner of the lake

Other:: A lot of fish activity observed today. Species of served primarily consisted of bluegill in various sizes and medium to large sized largemouth bass

Submerged Weeds:: Decomposing curlyleaf pondweed growth observed throughout the lake, all of the growth is very wilted and withered. A few spots of native pondweed growth observed

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 0

Livestock Drinking Restrictions in Days:: 0

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech: Josh Rogers

Priority: Non Urgent

Appointment Type: Scheduled

Promised Arrival Time: 05/23/2023 12:00 AM

Work Done

Description: Today I put in a good algaecide application to attack filamentous algae growth and areas of excess/getting to be excessive chara growth. The application was focused on areas around the shoreline, docks, and beaches. Areas with dense chara and floating chara Mata were hit a bit harder due to the higher rates required to control chara growth. Algae growth likely took off and bloomed as a result of the nutrient dump that occurs as the invasive weeds decompose and release nutrients into the water column. I expect today's application to show some results in 5-7 days!

5.23.23
 JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	2:51

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/23/2023 12:23 AM

WORK ORDER

WO-80670

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Spring Lake		847-356-8252
	2558 Mallard Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Spring Lake Standard Pond/Lake Contract	None (ongoing)
-	
Dissolved Oxygen (PPM)::	8.8
Filamentous Algae::	5% filamentous algae growth present, mostl all under and around low and fallen trees
Water Temperature::	71.4
Chara/Nitella::	No Chara growth could be observed
Submerged Weeds::	No submerged weed growth could be observed
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/23/2023 12:00 AM

Work Done

Description:	Spring Ledge is looking pretty good today upon my arrival. I did measure for water quality parameters and made an application to clear up the small amount of filamentous algae growth present. I expect the algae growth to have cleared out in a weeks time!
	5.23.23
	JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	-

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/23/2023 12:23 AM

WORK ORDER

WO-80671

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Potomac		847-356-8252
	6465 Federal Pkwy		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Potomac Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	8.9
Filamentous Algae::	5-10% filamentous algae growth present on the water surface. a bit of benthic fuzz mixed in with chara/nitella
Water Temperature::	76.5
Chara/Nitella::	Nitella and chara growth present in roughly 60-75% of the lake. a few of the frequently treated areas are slowly clearing up
Other::	some scattered organic debris on the water surface
Submerged Weeds::	A light mix of horned/sago pondweeds observed
Free Floating Plants (Duckweed/Watermeal) ::	Less than 1% watermeal growth
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/23/2023 12:00 AM

Work Done

Description:	Lake Potomac has cleaned up a bit over the last few visits. the North end of the Lake was looking good today with most all of the algae growth located in the middle and south portions of the lake. I treated aggressively for algae and chara growth present which I am hoping is cleared up in the next week or so!
	5.23.23
	JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:50

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/06/2023 12:25 AM

WORK ORDER

WO-82311

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Linden		847-356-8252
	2100 Sprucewood Ln.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Linden Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	9.9
Filamentous Algae::	1% filamentous algae growth present
Planktonic Algae::	No planktonic algae growth present
Water Temperature::	73.8
Chara/Nitella::	Abundant chara throughout the lake, roughly 20% topped out chara growth primarily in the North end of the lake
Other::	Low water. wayer levels appear down a few inches from the prior visit
Emersed Plants::	None observed
Submerged Weeds::	5% horned/sago pondweed observed
Floating Pondweed (American/IL Pondweed)::	None observed
Free Floating Plants (Duckweed/Watermeal)::	None observed
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	06/06/2023 12:00 AM

Work Done

Equipment: SR-Lake Linden (Service Report)

Description: Lake Linden experienced a big bloom of Chara growth, particularly in the North end of the Lake. This may have been fueled by a combination of lower water levels and excessive heat and little rainfall. The areas of excess Chara in North end of the Lake was also a bit surprising due to the nature and location of the application made on the previous service. Today I treated only in the north end of the Lake with high rates to try and clear up the large masses of growth at the water surface. I have scheduled for some back-up on the next service where we will plan on treating the lake with near max label rates to really try to get back ahead of the excess growth. I also made a small application near the boat launch for the small patch of curlyleaf pondweed.

6.6.23
JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	-

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/06/2023 12:25 AM

WORK ORDER

WO-82310

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Potomac		847-356-8252
	6465 Federal Pkwy		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Potomac Standard Pond/Lake Contract	Done
-	

Dissolved Oxygen (PPM)::	9.2
Filamentous Algae::	15-20% filamentous algae growth present
Planktonic Algae::	No planktonic algae growth observed
Water Temperature::	76.8
Chara/Nitella::	Chara and nitella growth observed in 60-70% of the lake, a few areas of topped out growth
Other::	Low water levels
Emersed Plants::	None observed
Submerged Weeds::	Scattered horned/sago pondweed and common elodea observed throughout the lake
Floating Pondweed (American/IL Pondweed)::	None observed
Free Floating Plants (Duckweed/Watermeal)::	5% duckweed and watermeal growth observed along select areas of shoreline
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	06/06/2023 12:00 AM

Work Done

Description: I measured for water quality parameters on Lake Potomac and made some observations before beginning treatment. water level is down a bit due to the stretch of hot weather and little rainfall, which did make a few areas of the lake difficult to traverse. I made an application to combat filamentous algae growth and areas of dense chara/nitella growth. The application was focused around the shoreline of residential property and on the dense patch of growth accumulated in the middle of the Lake.

6.6.23
JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:16

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/06/2023 12:25 AM

WORK ORDER

WO-82309

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Spring Lake		847-356-8252
	2558 Mallard Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Spring Lake Standard Pond/Lake Contract None (ongoing)

-

Dissolved Oxygen (PPM):: 9.3

Filamentous Algae:: 30-35% filamentous algae growth present mostly around the shoreline as a thick band. some open water growth

Planktonic Algae:: No submerged weed growth could be observed

Water Temperature:: 73.5

Chara/Nitella:: No Chara growth observed

Other:: Some scattered organic debris under trees

Emersed Plants:: None observed

Submerged Weeds:: No submerged weed growth could be observed

Floating Pondweed (American/IL Pondweed):: None observed

Free Floating Plants (Duckweed/Watermeal):: None Observed

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 0

Livestock Drinking Restrictions in Days:: 0

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech: Josh Rogers

Priority: Non Urgent

Appointment Type: Scheduled

Promised Arrival Time: 06/06/2023 12:00 AM

Work Done

Description: The Spring Ledge Pond really blew up with algae since the previous visit. My guess is the hot and dry weather provided by mother nature really got things going in the pond. The algae present appears to be spirogyra which is at least a bit weaker of a species. I treated for growth using a bit of a different formulation than I have in the past. The product used today provides some improvements to the water column itself as well. My hope is that the application will clear up the algae growth and the additional benefits of the product clean up the water column a bit to help try to ensure we don't see another bloom like this!

6.6.23
JR

Invoice

Status: Not prepared
Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	-

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



06/12/2023 Aquatic Services Report

LAKE LINDEN

Dissolved Oxygen (PPM): 9.9 mg/l

Water Temperature: 73.8

Vegetation Present: Lake Linden had 1% of filamentous algae growth present. There was abundant chara throughout the lake, roughly 20% located in the north end of the lake. There was around 5% of horned/sago pondweed observed

Other: Compared to last visit, water levels appear down a few inches.

Work Done: Lake Linden experienced a big bloom of Chara growth, particularly in the North end of the Lake. This may have been fueled by a combination of lower water levels and excessive heat and little rainfall. The areas of excess Chara in the North end of the Lake were also a bit surprising due to the nature and location of the application made on the previous service. Today I treated only the north end of the Lake with high rates to try and clear up the large masses of growth at the water's surface. I have scheduled some back-up on the next service where we will plan on treating the lake with near-max label rates to really try to get back ahead of the excess growth. I also made a small application near the boat launch for the small patch of curlyleaf pondweed.

LAKE POTOMAC

Dissolved Oxygen (PPM): 9.2 mg/l

Water Temperature: 76.8

Vegetation Present: 15-20% of filamentous algae growth is present on the water surface. 60-70% of the lake contains nitella and chara growth with a few areas of topped out growth. 5% of fuckweed and watermeal growth observed along select areas of shoreline.

Work Done: I measured for water quality parameters on Lake Potomac and made some observations before beginning treatment. The water level is down a bit due to the stretch of hot weather and little rainfall, which did make a few areas of the lake difficult to traverse. I made an application to combat filamentous algae growth and areas of dense chara/nitella growth. The application was focused around the shoreline of residential property and on the dense patch of growth accumulated in the middle of the Lake

SPRING LEDGE

Dissolved Oxygen (PPM): 9.3 mg/l

Water Temperature: 73.5

Vegetation Present: There was 30-35% filamentous algae was present. The filamentous algae were mainly around the shoreline, but there was some growth in the open water.

Work Done: The Spring Ledge Pond really blew up with algae since the previous visit. My guess is the hot and dry weather provided by mother nature really got things going in the pond. The algae present appears to be spirogyra which is at least a bit weaker of a species. I treated for growth using a bit of a different formulation than I have in the past. The product used today provides some improvements to the water column itself as well. My hope is that the application will clear up the algae growth and the additional benefits of the product clean up the water column a bit to help try to ensure we don't see another bloom like this!

WATERFORD LAKE

Dissolved Oxygen (PPM): 10.2 mg/l

Water Temperature: 72.4

Vegetation Present: There is filamentous algae growth present primarily on top of floating chara mats, with some scattered areas of filamentous algae growth present along sections of shoreline. There was abundant chara throughout the lake. Areas in the Northeastern section of Waterford Lake have floating chara mats popping up, particularly in areas where the peat mounds rise to the water surface. Some shallow areas saw healthy horned and sago pondweeds getting established. There was also a few pockets of Vallisneria (eel grass) sprouting.

Work Done: Today, for Waterford Lake, I measured water quality parameters in various areas of the lake and noted vegetation present. The invasive curlyleaf pondweed appears to have finally decomposed out of the water column; this could have released nutrients that have allowed for algae and chara growth to excell. I performed algae and chara applications around the entire perimeter of the lake with heavier focus on areas with a greater accumulation of growth. A good portion of today's treatments was focused along the North and Northeastern sections of the lake where chara mats are really popping. I noticed that areas where chara develops into floating mats the most tend to annually occur right on areas where the peat mounds rise to the water's surface. Seeing the chara rise could be the indicator that the lake floor is starting to lift. I also put down a granular application right near the boat launch to try and really cut out a boat lane to avoid any struggles coming into and getting out of the lake.

While I did not see any planktonic algae growth on Waterford Lake today, it has been starting to pop up in some surrounding areas. With the stretch of heat and little rain that Mother Nature has provided, conditions are ideal for planktonic to start blooming. I will continue to monitor and treat for any planktonic as it arises. However, I encourage everyone to keep an eye out as well in case the lake experiences any blooms between applications.

Other observations: Waterford Lake's water level appeared to be a few inches low.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/06/2023 12:25 AM

WORK ORDER

WO-82308

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Waterford Lake		847-356-8252
	2485 Teal Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Waterford Lake Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	10.2
Filamentous Algae::	filamentous algae growth present primarily on top of floating chara mats, some scattered areas of filamentous algae growth present along sections of shoreline
Planktonic Algae::	No planktonic algae growth observed
Water Temperature::	72.4
Chara/Nitella::	Abundant chara throughout the lake. Areas in the Northeastern section of the have floating chara mats popping up, particularly in areas where the peat mounds rise to the water surface
Other::	Water appeared to be a few inches low
Emersed Plants::	None observed
Submerged Weeds::	No invasive curlyleaf was observed. Some shallow areas saw healthy horned and sago pondweeds getting established. a few pockets of Vallisneria (eel grass) sprouting
Floating Pondweed (American/IL Pondweed)::	None Observed
Free Floating Plants (Duckweed/Watermeal) ::	None observed
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	06/06/2023 12:00 AM

Work Done

Description: Today, for Waterford Lake, I measured water quality parameters in various areas of the lake and noted vegetation present. The invasive curlyleaf pondweed appears to have finally decomposed out of the water column; this could have released nutrients that have allowed for algae and chara growth to excel. I performed algae and chara applications around the entire perimeter of the lake with heavier focus on areas with a greater accumulation of growth.

A good portion of today's treatments were focused along the North and Northeastern sections of the lake where chara mats are really popping. I noticed that areas where chara develops into floating mats the most tend to annually occur right on areas where the peat mounds rise to the water surface. Seeing the chara rise could be the indicator that the lake floor is starting to lift. I also put down a granular application right near the boat launch to try and really cut out a boat lane to avoid any struggles coming into and getting out of the lake.

While I did not see any planktonic algae growth on Waterford Lake today, it has been starting to pop up in some surrounding areas. With the stretch of heat and little rain that Mother Nature has provided, conditions are ideal for planktonic to start blooming. I will continue to monitor and treat for any planktonic as it arises. However, I encourage everyone to keep an eye out as well in case the lake experiences any blooms between applications.

6.6.23
JR

Invoice

Status: Not prepared
Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	2:45

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 07/03/2023 8:22 AM

WORK ORDER

WO-85766

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Linden		847-356-8252
	2100 Sprucewood Ln.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Linden Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	9.5
Filamentous Algae::	1-3% filamentous algae
Planktonic Algae::	None observed
Water Temperature::	77.4
Chara/Nitella::	Chara growth throughout the lake with a greater density of growth in the North end. A lot of the northern growth is appearing in rough shape
Other::	Low water, down 6-12"
Emersed Plants::	None observed
Submerged Weeds::	A few spots of horned/sago pondweed
Floating Pondweed (American/IL Pondweed)::	None observed
Free Floating Plants (Duckweed/Watermeal)::	None observed
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	07/03/2023 7:30 AM

Work Done

Description: I launched the boat to make observations and record water parameters before beginning treatment on Lake Linden. The chara growth that is particularly dense in the north end of the lake is looking to be in pretty rough condition with a few decomposing mats slowly crumbling. I treated for areas of topped out growth and worked in some granular algaecide to get some product deep within the plants before the product begins to activate.

7.3.23
JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:31

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 07/03/2023 8:22 AM

WORK ORDER

WO-85765

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Lake Potomac		847-356-8252
	6465 Federal Pkwy		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Potomac Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	8.1
Filamentous Algae::	5-10% filamentous algae
Planktonic Algae::	1-5% planktonic algae
Water Temperature::	76.8
Chara/Nitella::	Scattered chara throughout the lake. some areas of Chara growth appear pretty beaten up
Other::	Low water
Emersed Plants::	A few cattail patches
Submerged Weeds::	Scattered horned/sago pondweeds, some common elodea
Floating Pondweed (American/IL Pondweed)::	None observed
Free Floating Plants (Duckweed/Watermeal)::	Scattered duckweed/watermeal growth observed around some shoreline areas and on top of a few chara beds
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	3
Livestock Drinking Restrictions in Days::	1
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	07/03/2023 7:30 AM

Work Done

Description: Today I launched the boat to make some observations and to measure water parameters on Lake Potomac. I ended up treating for areas of filamentous algae and topped out chara growth. I mixed in a bit of herbicide that may also knock out some of the duckweed and watermeal present. With water levels low, some areas of vegetation are starting to struggle and wilt towards the top of the water surface.

7.3.23
JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:55

THIS IS NOT AN INVOICE - DO NOT PAY!!!

Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 07/03/2023 8:22 AM

WORK ORDER

WO-85764

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Spring Lake		847-356-8252
	2558 Mallard Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Spring Lake Standard Pond/Lake Contract Done

-

Dissolved Oxygen (PPM):: 8.3

Filamentous Algae:: Roughly 10-15% filamentous algae growth

Planktonic Algae:: None observed

Water Temperature:: 76.1

Chara/Nitella:: No Chara growth observed

Emersed Plants:: None observed

Submerged Weeds:: A few small pockets of native pondweed growth

Floating Pondweed (American/IL Pondweed):: None observed

Free Floating Plants (Duckweed/Watermeal):: 1% duckweed growth

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 0

Livestock Drinking Restrictions in Days:: 0

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	07/03/2023 7:30 AM

Work Done

Description: Today I launched the boat to measure water parameters and to make some observations of the pond. The filamentous algae growth present around the shoreline didn't appear too thick today. I made a moderately aggressive application which should clear up the growth in about a weeks time.

7.3.23
JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:38

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Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 07/03/2023 8:22 AM

WORK ORDER

WO-85763

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Kevin Klahs
Service Location Address:	Waterford Lake		847-356-8252
	2485 Teal Rd		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Waterford Lake Standard Pond/Lake Contract Done

-

Dissolved Oxygen (PPM):: 8.4

Filamentous Algae:: Roughly 5-10% filamentous algae growth present on the water surface

Planktonic Algae:: Light planktonic algae presence at the South end of Thunder Bay

Water Temperature:: 78.3

Chara/Nitella:: Healthy chara growth throughout the lake with a few pockets of dense growth

Other:: Low water

Emersed Plants:: None observed

Submerged Weeds:: Light and healthy horned and sago pondweed growth. A small amount of Vallisneria also observed

Floating Pondweed (American/IL Pondweed):: None observed

Free Floating Plants (Duckweed/Watermeal):: None observed

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 0

Livestock Drinking Restrictions in Days:: 0

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	07/03/2023 7:30 AM

Work Done

Description: Today I took the boat around Waterford Lake to measure water parameters, make observations, and to treat around the lake. Initial observations seem to indicate the chara growth is subsiding down a bit. We are also seeing a bit more filamentous algae growth this season vs the planktonic films. I treated the entire perimeter of the Lake for filamentous algae and areas of dense chara growth. I would expect to see some results in about a weeks time!

7.3.23
JR

Invoice

Status: Not prepared
Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	2:04

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