



VILLAGE OF LINDENHURST
Lakes Commission Meeting Agenda
Tuesday, September 19, 2023
7:00 p.m.

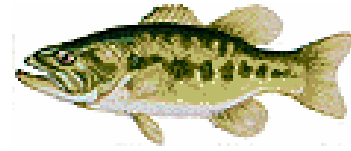
- I. Call to Order
- II. Roll Call
- III. Approval of Minutes from the July 18, 2023 Meeting
- IV. Commissioner Reports
 - A. Chairperson Report (Kraft)
 - B. Individual Lakes Commissioner Reports
 - C. Trustee Report (Dickson)
 - D. Village Report
- V. Old Business
- IV. New Business
 - A. Fisheries Update and Discussion
 - B. Discussion with McCloud Rep. On Management Approach for remainder of 2023
 - C. 2024 Outreach Opportunities – Ongoing Discussion
 - a. Earth Day 2024
 - b. Park District Cooperation
 - c. Lindenfest
 - D. 2023 Budget Cycle Update
 - a. Lake Depth Study-Pending
 - b. Fisheries Survey-COMPLETED
 - c. Water Quality Sampling- Ongoing
 - d. Lake Potomac Aeration System-NOT FUNDED FOR 2023
 - E. Ongoing Lakes Management Plan Drafting and Data Collection
 - F. Water Quality Sampling Update
 - G. Annual LLC Report and Recommendations
- V. Public Participation

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)

- VI. Adjournment



**Lakes Commission Meeting
July 18, 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 Large	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 March 21, 2023, Meeting.
A motion was made by Fritz and seconded by P.J. to approve the minutes of the March 21, 2023, meeting. The motion carried.

IV. Commissioner Reports

A. Chairperson Report – Dave began the meeting by introducing himself as chair of the Lindenhurst Lakes Commission. He mentioned that this was the most heavily attended meeting since he became chair and noted that the fish kill on Lake Linden was the primary issue on the agenda this evening. Dave continued by informing those in attendance that public participation is a part of the upcoming agenda and that comments from the public should be held until the appropriate portion of the meeting as there would be ample opportunity to make comments or express concerns. Dave commented that his firm does work with lakes management issues, and the Lakes Commission has several members who have professional expertise in lakes and lakes management issues. As he concluded his report, he informed all in attendance that, as usual, he would like to begin tonight's agenda with individual reports from the various Lindenhurst Lakes Commissioners.

B. Individual Lakes Commissioner Reports –

Kevin Lowry reported that he does not live on a lake, but he recently accompanied his grandchildren as they fished on Lake Linden. He said that although the lake had a bit of scum, there were plenty of bluegills in the lake.

Fritz Meyers reported that he has recently taken water samples from Lake Waterford and the water clarity is good. He said that Thunder Bay had a little chara, but it has been knocked down and everything looks pretty good.

Tom Heinrich said that his report for Lake Springledge is for the season to date. He reported that, overall, Springledge has had a decent season with an excess of filamentous algae as being the main problem. Over the course of the season, the dissolved oxygen has ranged from a maximum of 13.1 milligrams per liter in May, to a minimum of 8.3 earlier this month. Water temperatures have ranged from a minimum of 66.4 degrees in May to a maximum of 76.1 degrees earlier this month. Secchi readings show that the water clarity has dropped throughout the season from a high reading of 92 inches in May to a low reading of 34 inches earlier in July. In closing, he reported that excessive submerged weeds have not been a problem this season. However, filamentous algae have presented a problem at times. The filamentous algae were most problematic in June, when the blooms proliferated to cover at least 35% of the lake. For the most part during the season, filamentous algae have typically covered about 5 to 10% of the lake.

Jim West reported that the bass have been getting bigger on Lake Waterford and the muskies have been here and there. He commented that the lake level is low, and he was glad to say that there haven't been many geese present on the lake which tends to keep the phosphorous level down.

Carlos Menor Salazar reported that things have been rough on Lake Linden lately with excessive amounts of chara. He went on to say that these conditions contributed to a fish kill on the weekend of July 8,9 and 10. He reported that the fish kill resulted in about 1,500 dead bluegill, 2 muskie, 1 catfish and 15 to 20 or more bass. Dead fish were not only found on shorelines but also caught up in the masses of chara. Recently, however, no new dead fish are being spotted so it looks as if things might be improving.

P.J. Hilbert said that he had no additional observations about Lake Waterford other than those which had already been reported.

C. Trustee Report – No report.

D. Village Report – Trustee Dickson reported that the mayor wanted to attend this evening and is very interested in what is going on with the lakes but is travelling and could not be here. Also, Trustee Dickson commended the members of the Lake Linden community who volunteered to pick up dead fish following the fish kill. In addition, he thanked Kevin K. and the department of public works for providing and picking up cans of dead fish. Kevin K. added that the Village tracks rainfall amounts, and the results show that we are experiencing extreme drought conditions.

V. Old Business: None

VI. New Business:

A. Fisheries Update and Discussion.

Dave reported that P.J.'s firm completed a fish survey last fall with P.J. donating his time. Dave pointed out that this is one of the benefits of having professionals on the Lakes Commission. The results of the survey will drive future fish stocking decisions for our

lakes, but the recent fish kill will be considered as well. The stocking recommendations are in process.

- B. Lake Linden Fish Kill Discussion – Dave began the discussion with a few introductory comments. He said that Carlos and the Lake County Health Department were on top of the Lake Linden conditions from early on. Excessive chara, a type of algae, has created a problem with Lake Linden. We have been in a two-year drought which has affected the water levels of our lakes. Low water levels contribute to these kinds of problems but luckily, it hasn't been too hot. The goal for our lakes is to try to find a balance between weed management and the aquatic health of our lakes. We have yet to receive final information back from the Health Department from the water samples that were taken but it is definite that the lake has not been poisoned. Rather, the fish suffocated from a lack of oxygen due to decaying plants. This situation is not uncommon in shallow, eutrophic lakes. Carlos added that the Lake County Health Department did not find a reason to close the beaches based on the results of their water sampling.
- C. Discussion with McCloud Representatives on Management Approach for Remainder of 2023 – T.J. McCloud introduced himself as owner and operator of McCloud Aquatics, a family owned and operated business in operation since the 1960s. He said that the Village is in good hands with the Lakes Commission in Lindenhurst and that the LLC has a better grasp of what is going on with the lakes than any other village he has seen. McCloud Aquatics is probably the largest company of its kind in the State at this moment and provides treatment to about 1,500 ponds. Recently, this season, they have seen about 20 fish kills. He went on to explain that low water levels are crucially problematic to the health of lakes because when the water level drops, the weeds get to the surface faster, making them more difficult to treat. There is a balance to how things are done because the lake cannot just be “nuked.” If the lake is overtreated, things will go “belly up.” Mr. McCloud went on to say that when water levels are low, fish become crowded in shallow areas. In situations like this, bacterial infections can be spread rapidly, as likely happened to many bluegills during the Linden fish kill. These are naturally occurring events. When a fish kill is the result of overtreatment, it typically occurs the day after the treatment, which was not the case in this situation.

After encouraging people to peruse the Lake County Health Department website, Mr. McCloud added that every lake and pond is different. Even lakes across the street from one another can be different in makeup and conditions. Treating lakes is often a reactive endeavor because you cannot control weather conditions, but we will continue to monitor and do the best we can. Dave interjected that we are not just trying to tell you that things are OK, we are just trying to provide some background information about the how and why these things sometimes happen. Lake conditions are very difficult to predict and manage.

In response to a question from Tom, Josh, from McCloud Aquatics said that, at this point, he does not have a reason to do things differently on the other lakes. Nevertheless, he mentioned a variety of options for Linden going forward which included treating portions of the lake; mechanical harvesting; and/or treating with less potent chemicals. In summary, he said that he thought that Linden should be treated in such a way that is as minimally stressful as possible going forward.

In response to a question by P.J. about how wind affects chemical applications of herbicides, Josh responded that he cannot spray if winds are more than 15 mph. On somewhat windy days where the winds are below 15 mph Josh said that he can

sometimes “play the wind” so that the chemicals reach the desired area. T.J. added that they are careful that spray particles are not carried off.

- D. 2023 Outreach Opportunities. – Dave explained that, historically, the Lakes Commission has been involved in making appearances at local community events such as Lindenfest and Earth Day. He said that the Lakes Commission will be revisiting these opportunities for community education.
- E. Project Preparation for 2023 Budget Cycle. Dave explained that the Lakes Commission is an advisory commission to the Village Board. As such, the Lakes Commission has no authority to make decisions, but only to provide guidance. Over the past year, the Lakes Commission has been focusing on budget requests geared toward data collection so that more informed guidance may be provided. One such request is for a lake depth assessment for each of our lakes because such assessments have not been done for a while. The fish survey was completed last Fall.

With respect to water quality testing, Tom has been coordinating with the Lake County Health Department to get very cost-effective water quality analyses done using the Lake County Health Department labs to analyze our lake samples. Furthermore, the Lakes Commission is continuing to work with the Village Board to see where an aeration system for Lake Potomac potentially fits in the budgeting cycle as a future consideration.

- F. Ongoing Lakes Management Plan Drafting and Data Collection – Dave reported that once lake related data is gathered, the LLC’s goal will be to draft lake management plans for each of the lakes. In addition, at the end of the season, an annual lakes report will be sent to the Village Board.

VII. Public Participation –

A resident on Lake Linden thanked the Lakes Commissioners for their time and effort and then asked about the possibility of pursuing some portion of the \$135 million that has been allocated by the State of Illinois for use by Lake County lakes. Dave responded that these grant dollars have a narrow usage and are earmarked for flood control only. Nevertheless, he said that the Village is always interested in the possibility of pursuing other appropriate grant possibilities as they become available. The resident continued by asking about the possibility of other avenues to consider such as mechanical abatement of weeds and even the possibility of establishing a SSA to help the lake. Dave responded that mechanical harvesting has been considered in the past. While it remains a possibility, the cost of mechanical removal is high, and the biomass can return rapidly.

Another resident said she would like the Lakes Commission to focus on informing and educating residents about what they can do for the lakes and what they should not be doing (like using certain toxic chemicals). Further discussion revealed that the Lakes Commission has prepared such an article that has been sent out to residents in the “Village Voice” several times. While it was acknowledged that community education is useful and a goal of the Lakes Commission, Dave said that the recent fish kill would probably not have been prevented by better practices by shoreline residents.

Another resident introduced himself as living on Lake Shore Drive since 1986. He questioned whether it was only rain that provided water to Lake Linden, or if there were springs providing some water. Dave responded that our lakes are filled by drainage from a relatively small watershed. When the weather is dry, the groundwater table goes down. The resident then asked if Lake Linden is shallower than Lake Waterford. Dave responded that, although the two are comparable in depth, Lake Linden is generally a bit shallower. The resident asked if there should be some special considerations for Lake Linden because it has heavily used beaches that may contribute to adverse conditions. Dave responded that recreational use is factored into recommendations made by the Lakes Commission. Mr. McCloud added that often when sediment is disturbed on the lake bottom, the nutrients go back into the water column. Nevertheless, he opined that young children swimming in the lake would not necessarily lead to appreciably more phosphorous especially given the fact that there are so many geese on the lake that likely introduce far more phosphorous.

A resident expressed concern that nothing was communicated about the possible dangers to residents that may have presented themselves during the fish kill. He went on to say that some people continued to fish despite the fish kill, and he wondered if they should not have been notified of potential dangers. Dave responded that he and most others with a technical background were convinced, early on, that the fish kill was due to a lack of oxygen rather than some contaminant. Mr. McCloud added that fish kills are almost always the result of oxygen depletion. Nevertheless, Dave said that discontinuing fishing activities might be something to be discussed in the future by the Lakes Commission. He added that catch and release fishing would normally not be a problem, but there could be future situations where eating the fish might not be advisable. Mr. McCloud added that he would be concerned if he was seeing blue green algae along with the fish kills. Trustee Dickson said that there is an opportunity to communicate better, and he will work toward this goal.

A resident addressed the Commission by saying that one of the reasons they bought their house is because it is on a lake. She went on to say that there are many weeds still floating on the lake and there must be something that can be done to remove them. She went on to question whether it would even be healthy for the lake to wait for the chara to submerge to the lake bottom. Representatives of McCloud provided comments of possible options such as focusing on shorelines, navigation channels and mechanical removal. They said mechanical removal is expensive and all chara would not be removed. After some conversation about the high cost of manual removal and the lack of budgetary funds, the resident asked if some community effort to remove the floating chara could be organized.

Another resident asked if anything could be done for the remainder of this year to improve the situation with the chara. After significant discussion, it was suggested that the best course of action would involve a community effort of residents raking out the decaying chara and having it picked up by a combination of Village and resident involvement.

A resident from the Auburn Meadows subdivision expressed thanks for looking for grant opportunities and mentioned that in 2021, Congress lifted its ban on earmark public works projects. He went on to say that municipalities are litigating against the maker of a certain brand of weedkiller.

Another long-term resident shared a history of his dealings with various problems on the lakes. He went on to urge people to keep their complaints out of the papers and off social media because it can negatively impact property values.

Finally, a resident concurred that community cooperation is key to having Linden “come back.” He said that such a cooperative event helped, years ago when carp were removed from Lake Linden.

VIII. Adjournment – A motion to adjourn was made by Tom and seconded by Carlos. The meeting was adjourned at 8:53 P.M.

Respectfully submitted,

Tom Heinrich
Recording Secretary

LLC Public Participants

Name	Address
Paul Baumunk	No address given
Michael Bavido	305 High Point Drive
Steve Bulk	689 Federal Parkway
Mike Collins	404 N. Beck
Dave Crandall	202 Lake Shore
Terri Crandall	202 Lake Shore
Diane Cummings	2102 Sprucewood Lane
Tom Eddy	426 N Beck
Steven Fanizza	303 High Point Drive
Tom Fanning	206 Lake Shore
John S. Filippo	2208 Lake Shore Drive
Nancy Filippo	2208 Lake Shore Drive
Guillaume Fougoud (sp?)	2206 Lakeshore Drive
Rob Hamilton	305 Tanager Lane
Judy Heinrich	395 Teal Rd
Bruce Hoffenberg	2114 Lake Shore Drive
Denise Hoffenberg	2114 Lake Shore Drive
Egle Kumpis	108 Lake Shore Drive
Michael Leoni	1895 Skyline Circle
Julie Martin	302 Lakeshore Drive
Pat Martin	309 High Point Dr.
Ron Martin	309 High Point Dr.
Julian B. Rumowski	408 North Beck Road
Ryne Rumowski	408 North Beck Road
Jane Yarnall	1914 Elmwood Dr.
Ella Zimerfeld	689 Federal Parkway
Kathy Zuhlke	305 High Point Drive



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

Date Created: 07/18/2023 12:29 AM

WORK ORDER

WO-87518

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):: 5.1-8.2

Filamentous Algae:: A small amount of filamentous algae growth present on top of a few chara mats

Planktonic Algae:: None observed

Water Temperature:: 76.6

Chara/Nitella:: Chara growth is present in dense quantities throughout the lake with multiple areas of topped out growth. Half of the chara present does not appear to be in great shape

Other:: Water level continuing to drop

Emerald Plants:: None observed

Submerged Weeds:: None 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: 07/18/2023 12:00 AM



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

Date Created: 07/18/2023 12:29 AM

WORK ORDER

WO-87517

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):: 7.9

Filamentous Algae:: Light scattered of filamentous algae scraps on the water surface, 5-10%

Planktonic Algae:: Light planktonic algae film observed around a few shoreline areas

Water Temperature:: 78.8

Chara/Nitella:: Chara/nitella scattered around the lake

Other:: Water level still dropping

Emersed Plants:: A few patches of cattail growth

Submerged Weeds:: Light scatter of elodea, horned, and sago pondweeds

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

Free Floating Plants (Duckweed/Watermeal):: Watermeal present around the shoreline and scattered out into open water in the north end of the lake; Roughly 15%

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: 07/18/2023 12:00 AM

Work Done

Description: I launched the boat for water parameter measurement, observations, and treatment on Lake Potomac today. Watermeal growth is expanding in the Northern section of the Lake but is not out of control. Algae scraps around the water surface and planktonic algae both were a bit off color and the filamentous growth appeared in rough shape. I treated the areas of filamentous/planktonic growth throughout Potomac. I did notice that I am stirring up sediments in a few additional areas with water levels dropping due to drought conditions.

7.18.23
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.

Work Done

Description: Today I measured Dissolved Oxygen in multiple spots throughout the lake. A few readings were up in the lower end of normal ranges (7-8mg/L) while a majority were sitting right around 5-6 mg/L. No application was made today in order to give the lake time to rebound from the fish kill a few weeks ago.

7.18.23
JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:37

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: 07/18/2023 12:29 AM

WORK ORDER

WO-87516

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)::	8.2
Filamentous Algae::	5-7% filamentous algae growth present
Planktonic Algae::	Light planktonic film present in the Southern end of the pond; 15%
Water Temperature::	79.3
Chara/Nitella::	No Chara growth observed
Emerald Plants::	None observed
Submerged Weeds::	Light scatter of pondweed growth
Floating Pondweed (American/IL Pondweed)::	None observed
Free Floating Plants (Duckweed/Watermeal)::	1-3% duckweed and 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:	07/18/2023 12:00 AM

Work Done

Description: I launched my boat to measure water parameters and make observations around Spring Ledge. The water column was a bit turbid today, making submerged observations difficult. I did treat for the filamentous and planktonic algae growth present throughout the pond today. Overall, things are looking pretty good, and I expect the algae to clear up in roughly 7 days.

7.18.23
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	-	0:29

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: 07/18/2023 12:29 AM

WORK ORDER

WO-87515

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 as chunks along the shoreline and as some scattered scraps moving out into open water; roughly 10-15% total accumulation
Planktonic Algae::	A light planktonic algae presence observed in Thunder Bay spilling out into the Northern section of the lake
Water Temperature::	79.6
Chara/Nitella::	Healthy chara growth observed in Waterford Lake; a few sections of growth were reaching towards the water surface
Other::	Low water
	One dead fish observed on the NE shoreline
Emerald Plants::	A few cattails present
Submerged Weeds::	Light and healthy horned/sago pondweed growth observed. A few spots of Vallisneria 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:	07/18/2023 12:00 AM

Work Done

Description: I took my boat around Waterford Lake today, measuring the water parameters and making some observations of the lake. I treated for filamentous algae and a few segments of tall chara growth present on the lake; I also hit a portion of the planktonic algae where the phytoplankton were accumulating a bit more. A lot of the filamentous growth present already appeared to be in rough shape, I would expect the treated growth to clear up in a weeks time. I also noticed that even with the rain events, water levels appear to still be dropping slowly on the lake.

7.18.23
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: 08/01/2023 12:24 AM

WORK ORDER

WO-89292

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)::	8.8
Filamentous Algae::	A small amount of filamentous algae growth, 1-5%
Planktonic Algae::	None observed
Water Temperature::	82
Chara/Nitella::	Scattered chara growth throughout the lake. A mixture of rooted and floating chara growth observed
Other::	low water
Emerald Plants::	None observed
Submerged Weeds::	A few spots of horned/sago pondweed growth present, roughly 5-10%
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:	08/01/2023 12:00 AM

Work Done

Description: Today I launched the boat and made multiple Dissolved Oxygen readings throughout the lake while making observations. Areas of the lake appear to have cleared up a bit. A few areas have thinned but still have some floating growth remaining and a few new patches have arisen as well. Total accumulation of floating chara mats is still lower than it was a month ago. I treated for the chara mats present closer towards the middle of the Lake and within the Eastern bulb. To err on the side of caution, I scaled back the treatment area so that I was hitting no more than 25% of the lake. I also focused more heavily closer to shore where our mechanical harvester will have more trouble reaching on Monday.

8.3.23
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	-	1:14

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: 08/01/2023 12:24 AM

WORK ORDER

WO-89291

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)::	7.9
Filamentous Algae::	No filamentous algae growth present on the pond
Planktonic Algae::	none observed
Water Temperature::	83
Chara/Nitella::	Some healthy chara growth observed throughout the lake
Other::	low water
Emerald Plants::	A few cattail patches
Submerged Weeds::	Some elodea fragments observed on the water surface, rooted growth likely present although not observed
Floating Pondweed (American/IL Pondweed)::	None observed
Free Floating Plants (Duckweed/Watermeal)::	Roughly a 15% mixture of duckweed/watermeal in a few corners 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:	08/01/2023 12:00 AM

Work Done

Description: I launched the boat to measure water parameters and make some observations around the lake. Potomac has cleaned up nicely, and the only real nuisance growth present was duckweed/watermeal, which does require an additional service contract. The growth may stick in the corners of the lake but does have the capability to reproduce quickly. Overall the lake is looking pretty good still!

8.1.23
JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:34

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: 08/01/2023 12:24 AM

WORK ORDER

WO-89290

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)::	8.6
Filamentous Algae::	5-10% filamentous algae growth present
Planktonic Algae::	None observed
Water Temperature::	80
Chara/Nitella::	No Chara growth observed
Emerald Plants::	None observed
Submerged Weeds::	None observed
Floating Pondweed (American/IL Pondweed)::	None observed
Free Floating Plants (Duckweed/Watermeal)::	Roughly 5-10% duckweed
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:	08/01/2023 12:00 AM

Work Done

Description: I launched the boat to measure water parameters and make some inspections around Spring Ledge. Vegetation present appears to consist of a broken up band of algae growth and a bit more duckweed growth. I made an application primarily targeting the filamentous growth, but I also added a bit of herbicide to try and give a complimentary duckweed knockdown as well. Today's application will need around a week for results to begin showing.

8.1.23
JR

Invoice

Status: Exported

Amount: \$0.00

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:35

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: 08/01/2023 12:24 AM

WORK ORDER

WO-89289

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:: Less than 1% filamentous algae growth present.

Planktonic Algae:: None observed

Water Temperature:: 81

Chara/Nitella:: A small amount of chara observed in some shallowbareas of the lake

Other:: Low water level

Some areas of organic debris on the wayer surface

Emersed Plants:: A few spots of cattail

Submerged Weeds:: Healthy horned/sago pondweeds observed throughout the lake; roughly 10% coverage. 1% scattered Vallisneria

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

Free Floating Plants (Duckweed/Watermeal) :: 1% duckweed growth observed washed onto the muddy shoreline in a few locations

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: 08/01/2023 12:00 AM

Work Done

Description: Today, I launched my boat and took it around Waterford Lake to make multiple Dissolved Oxygen/Temperature readings and to make some inspections of the lake. Waterford is looking great today with almost no nuisance vegetation present. The growth that was present was miniscule, and half of it appeared like it was already in the decay process. Native vegetation was observed in healthy quantities throughout the lake as well. I did notice that water clarity was a bit poor today with the water column being quite turbid. This is likely a result of the past rainy/stormy weather stirring sediments up throughout the lake. Even with the rain, water does still appear to be low and like we have not really gained a whole lot of ground back.

8.1.23
JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:58

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: 08/15/2023 12:21 AM

WORK ORDER

WO-91074

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):: 7.8

Filamentous Algae:: No filamentous algae growth present

Planktonic Algae:: none observed

Water Temperature:: 73

Chara/Nitella:: Chara growth observed in more shallow locations of the lake, roughly 35% observed

Other:: low water

Emersed Plants:: cattails and bulrush observed

Submerged Weeds:: Light scattered mixture of horned/sago pondweeds and some Vallisneria

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:	08/15/2023 12:00 AM

Work Done

Description: Today I launched my boat and measured water parameters in multiple areas throughout the lake while make observations. Linden has cleaned up nicely and is looking good after the physical removal of topped out growth. I did spot treat a few small areas today, but I did not make any significant applications in order to avoid overtly stressing the ecosystem. I elected this route due to the quantity of vegetation removed last week, the heavy weekend rain, and anticipated ramp up in temperature expected going into early next week. Overall things here are looking good!

I did also notice I had a small drip of blue dye at the boat launch; there is some minor blue staining on the pavement. The dye will slowly fade out with time, but may leach a small amount of blue color while wet. The dye will not pose any harm to anyone, but may leave a light blue stain if direct contact is made.

8.15.23
JR

Invoice

No Invoice

Notes

08/15/2023 | Josh Rogers | Picture note
Blue dye stain

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:08

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: 08/15/2023 12:21 AM

WORK ORDER

WO-91072

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):: 7.7

Filamentous Algae:: 1-3% benthic algal growth observed in shallow areas

Planktonic Algae:: none observed

Water Temperature:: 71

Chara/Nitella:: none observed

Emerged Plants:: none observed

Submerged Weeds:: none observed

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

Free Floating Plants (Duckweed/Watermeal):: Roughly 5% duckweed/watermeal

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 5

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: 08/15/2023 12:00 AM

Work Done

Description: Today I launched the boat to make a round of observations and to measure water parameters. I made another complimentary treatment for the remaining watermeal/duckweed growth present in an attempt to avoid a late summer bloom of the nuisance plants. The application. ade should help knock out the benthic algae growth as well!

8.15.23
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	-	0:46

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: 08/15/2023 12:21 AM

WORK ORDER

WO-91071

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):: 8.1

Filamentous Algae:: No filamentous algae growth present

Planktonic Algae:: none observed

Water Temperature:: 72

Chara/Nitella:: A few small pockets of chsra observed, growth is likely more frequent than the observed quantity

Emersed Plants:: A few spots of cattail growth observed

Submerged Weeds:: Light and healthy scatter of native horned/sago pondweeds and a few pockets of Vallisneria; 5-10%

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

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

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: 08/15/2023 12:00 AM

Work Done

Description: Today I launched my boat to measure water parameters and to make observations around Waterford Lake. The lake was looking great today with no nuisance growth being detected! Water clarity was a bit low, likely a result of the much needed rain last night. Water levels are still sitting roughly 8-12 inches low based on the water lines around shoreline areas. Overall things here are looking great and no chemical applications were required!

8.15.23
JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:04

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: 08/15/2023 12:21 AM

WORK ORDER

WO-91071

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):: 8.1

Filamentous Algae:: No filamentous algae growth present

Planktonic Algae:: none observed

Water Temperature:: 72

Chara/Nitella:: A few small pockets of chsra observed, growth is likely more frequent than the observed quantity

Emersed Plants:: A few spots of cattail growth observed

Submerged Weeds:: Light and healthy scatter of native horned/sago pondweeds and a few pockets of Vallisneria; 5-10%

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

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

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: 08/15/2023 12:00 AM

Work Done

Description: Today I launched my boat to measure water parameters and to make observations around Waterford Lake. The lake was looking great today with no nuisance growth being detected! Water clarity was a bit low, likely a result of the much needed rain last night. Water levels are still sitting roughly 8-12 inches low based on the water lines around shoreline areas. Overall things here are looking great and no chemical applications were required!

8.15.23
JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:04

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: 08/29/2023 1:01 AM

WORK ORDER

WO-92886

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)::	8.9
Filamentous Algae::	Some filamentous fuzz appearing amongst some of the chara beds; 1-3%
Planktonic Algae::	none observed
Water Temperature::	74
Chara/Nitella::	roughly 5-10% cover of floating chara patches on the surface with healthy chara growth observed throughout the lake. A few submerged spots with dense growth
Other::	Water levels dropping back down
Emersed Plants::	A few spots of pickerel, cattail, and bulrush observed
Submerged Weeds::	A mixture of horned and sago pondweeds were observed in a few areas; roughly 5%
Floating Pondweed (American/IL Pondweed)::	one small American pondweed patch
Free Floating Plants (Duckweed/Watermeal)::	none observed
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:	08/29/2023 12:00 AM

Work Done

Description: Today I launched the boat and cruised around Lake Linden to measure water parameters in multiple spots and to make some initial observations of the lake. I ended up treated for floating chara patches and the algae growth contained within those patches. The treatment focused primarily along the West/Northwest shoreline through the middle of the lake and venturing out into a but of open water. I also spot treated a few other small patches of floating chara that were observed. The application utilized a combination of broadcast spraying over the tip of the growth and a granular approach that will release active product from within the chara.

8.29.23
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	-	2:27

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: 08/29/2023 1:01 AM

WORK ORDER

WO-92885

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)::	9.6
Filamentous Algae::	No filamentous algae growth present
Planktonic Algae::	None observed
Water Temperature::	76
Chara/Nitella::	Scattered chara growth throughout the lake
Other::	Water level dropping down again
Emersed Plants::	cattails
Submerged Weeds::	Pockets of horned/sago pondweed and a bit of elodea observed
Floating Pondweed (American/IL Pondweed)::	none observed
Free Floating Plants (Duckweed/Watermeal)::	Spots of watermeal scattered along areas of shoreline, 5-10%
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:	08/29/2023 12:00 AM

Work Done

Description: I launched my boat and took it around Lake Potomac to measure water parameters and to make some inspections of the lake. The first thing I noticed while launching my boat is that water is dropping back down again. While launching the boat, my trailer did push a good amount of muck in front of the launch site out of the way. The only real nuisance growth on the lake was the watermeal scattered around shoreline areas, but the growth appears to be sticking to the perimeter and we are slowly starting to move out of prime season for the growth as we inch closer to fall weather. Vegetation under the water surface all had a brownish color with the plants being alive but not looking particularly healthy. This could just be a result of the shallow conditions and some of the recent intense heat.

8.29.23
JR

Invoice

No Invoice

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:36

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: 08/29/2023 1:01 AM

WORK ORDER

WO-92883

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):: 9.5

Filamentous Algae:: No filamentous algae growth present

Planktonic Algae:: none observed

Water Temperature:: 76

Chara/Nitella:: Chara growth observed in shallow areas and on top of peat mounds in the Northeastern corner of the lake, roughly 5% observed growth

Other:: Water levels dropping back down again

Emersed Plants:: Some cattails and bulrush observed

Submerged Weeds:: A light scatter of horned and sago pondweed growth observed along shoreline areas in shallow water. a few sections of eel grass also observed. roughly 5-10% cover

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

Free Floating Plants (Duckweed/Watermeal):: Less than 1% duckweed caught amongst some cattail stalks in the Southern Bay 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: 08/29/2023 12:00 AM

Work Done

Description: Today I launched my boat to measure water parameters in a few different locations and to make some observations/inspections around Waterford. The lake was looking fantastic today with virtually no nuisance growth present! The peat mounds are starting to rise in the Northeast end of the Lake with a few of the mounds having some chara mats poking out of the water. I spot treated a few of the chara mats to help break up the topped out growth and I spot treated a few areas that were beginning to get choked out by dense eel grass!

8.29.23
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: 09/12/2023 12:26 AM

WORK ORDER

WO-94680

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)::	9.4
Filamentous Algae::	No filamentous algae growth present
Planktonic Algae::	none observed
Water Temperature::	68
Chara/Nitella::	Chara scattered throughout the lake, a few small areas with growth reaching the surface
Other::	Low water, appears to be down roughly 8-12 inches
Emersed Plants::	cattail, phragmite, bulrush, and a few spots of pickerel weed observed
Submerged Weeds::	A mixture of horned/sago pondweeds, some spiny naiad, and a small amount of Vallisneria
Floating Pondweed (American/IL Pondweed)::	2 small patches of American Pondweed growth 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:	09/12/2023 12:00 AM

Work Done

Description: I launched my boat onto Lake Linden and took a cruise throughout the lake to first measure water parameters in a few locations while making inspections of the lake. I did make a few applications targeting areas of Chara growth creeping up to the waters surface. I have included a map of the lake with the treated areas included. I expect today's applications to knock back the chara treated over the course of the next week! I also noticed a lot of fish activity throughout the lake today!

9.12.23
JR

Invoice

Status: Not prepared

Amount: \$0.00

Notes

09/12/2023 | Josh Rogers | Picture note

WO# WO-94680 Picture Note 2023-09-12 2023-09-12 13-09

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:28

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: 09/12/2023 12:26 AM

WORK ORDER

WO-94679

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)::	8.4
Filamentous Algae::	No filamentous algae growth present
Planktonic Algae::	none observed
Water Temperature::	70
Chara/Nitella::	Scattered chara growth throughout the lake
Other::	low water 6 dead fish
Emersed Plants::	Some cattail growth
Submerged Weeds::	areas of horned/sago pondweed and some elodea observed
Floating Pondweed (American/IL Pondweed)::	none observed
Free Floating Plants (Duckweed/Watermeal)::	Light scatter of watermeal around shoreline areas
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:	09/12/2023 12:00 AM

Work Done

Description: Today, I launched the boat and took it around Lake Potomac to measure water parameters, make inspections, and treat as necessary. I noticed that water levels appear to have dropped a bit more; I almost got stuck in a few areas, which have reached close to 1 foot in depth while boating through the lake. I also observed 6 dead fish on the lake today; all the same size and species. I imagine this is not anything significant and just a coincidental result of weather patterns and shallow water. I applied a granular algaecide in a few areas targeting chara growth present on the Lake.

9.12.23
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	-	1:09

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: 09/12/2023 12:26 AM

WORK ORDER

WO-94678

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

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Dissolved Oxygen (PPM)::	8.1
Filamentous Algae::	No filamentous algae growth present
Planktonic Algae::	None observed
Water Temperature::	67
Chara/Nitella::	No Chara growth observed
Emerald Plants::	None observed
Submerged Weeds::	1-3% scattered pondweed growth
Floating Pondweed (American/IL Pondweed)::	none observed
Free Floating Plants (Duckweed/Watermeal)::	1-3% duckweed/watermeal mix sticking to a few shoreline areas
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:	09/12/2023 12:00 AM

Work Done

Description: Today I launched the boat to measure water parameters and to make inspections throughout Spring Ledge. The pond is looking pretty good after a nice cool down and some rainy weather! The small amount of duckweed/watermeal hopefully doesn't start repopulating quickly; with cooler temperatures starting to move in the duckweed/watermeal will find itself out of season!

9.12.23
JR

Invoice

No Invoice

Notes

09/12/2023 | Josh Rogers | Picture note

WO# WO-94678 Picture Note 2023-09-12 2023-09-12 09-28

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:36

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: 09/12/2023 12:26 AM

WORK ORDER

WO-94677

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

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Dissolved Oxygen (PPM):: 8.8

Filamentous Algae:: No filamentous algae growth present

Planktonic Algae:: 1-5% planktonic algae as a minor film just forming in a few still corners of the lake

Water Temperature:: 69

Chara/Nitella:: A few minor blobs of chara growth observed in shallow areas, 5%

Other:: Low water

Emersed Plants:: Some cattail and bulrush growth observed

Submerged Weeds:: 10% mix of horned/sago pondweed and a few areas of Vallisneria

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

Free Floating Plants (Duckweed/Watermeal):: 1% duckweed washed up onto muddy areas

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: 09/12/2023 12:00 AM

Work Done

Description: Today I launched my boat and measured water parameters in a few areas and made inspection and some applications around Waterford Lake. I spot treated for areas of submerged weed growth that were becoming dense around pier/beach areas and I also sprayed the few pockets of planktonic algae growth present. I noticed that the water appears to be roughly a foot or more low based on old water lines around the shoreline of the lake.

9.12.23
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	-	1:53

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