



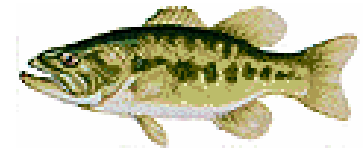
VILLAGE OF LINDENHURST
Lakes Commission Meeting Agenda
Tuesday, November 15, 2022
7:00 p.m.

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes from the September 20, 2022 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. Summer/Fall Outreach Opportunities
 - C. Ongoing Project Prep for 2023 Budget Cycle
 - a. Lake Depth Study
 - b. Fisheries Survey
 - c. Water Quality Sampling
 - d. Lake Potomac Aeration System
 - D. Ongoing Lakes Management Plan Drafting and Data Collection
- V. Public Participation
- VI. 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
September 20, 2022
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 July 19, 2022, Meeting.
A motion was made by P.J. and seconded by Fritz to approve the minutes of the meeting of July 19, 2022. The motion carried.
- IV. Commissioner Reports
 - A. Chairperson Report – Dave reported that he believed the lakes have looked good. Some discussion ensued indicating that the lake reports being produced by McCloud did not seem to be sent out as quickly as they had been earlier in the year. Kevin K. said he would check on this situation.
 - B. Individual Lakes Commissioner Reports –
 - Potomac – No report.
 - Springledge – Tom reported that as of today, there is significant algae on Springledge. He speculated that this problem may be due to the recent rains that have washed significant amounts of nitrogen and phosphorous into the lake. He continued to report that there was still quite a bit of activity on the lake with people fishing, kayaking, and canoeing. Tom added that since this month typically brings an end to the fishing/boating season, he wanted to summarize the conditions on Springledge for the season. Overall, he reported positive conditions on Springledge throughout the past season. There were algae problems early in spring, but the conditions were brought under control for most of the summer. Tom speculated that he thought he observed an increase in recreational activity on the lake during the past season which he attributed to, at least in part, the favorable lake conditions, and aesthetic appeal.

Waterford – Fritz reported that floating mats of chara continued to be an issue on Waterford. P.J. added that fishing has been good.

Linden – Although there was no report, Kevin K. informed members of the LLC that he has been contacted by a lake monitoring agency that wants to do water quality testing on Lake Linden. He thought that the name of the agency was GLEC. Some discussion ensued about this water quality testing adding to the LLC's desire to accumulate more base line data about the quality of our lakes.

C. Trustee Report – None.

D. Village Report – Kevin K. asked if the LLC wanted him to contact McCloud to request that they hold their price for next year as a one-year extension. The general consensus of the LLC was supportive. Based on requests from some members of the LLC, Kevin said that he would look into having a representative of McCloud attend the next meeting to provide a type of end of year report and respond to questions.

V. Old Business: None

VI. New Business:

A. Fisheries Update and Discussion.

P. J. reported that he has been working on a schedule to complete the fish survey that has been discussed in previous meetings. He said that the survey is “penciled in” for October 6 that will include surveys of all Village lakes. P.J. and Dave agreed that the LLC is not currently positioned to make fish stocking recommendations without accurate data about the lake's current fishery. With the accurate and updated data that the upcoming fish survey will provide, appropriate stocking decisions will be possible. Dave added that the fish survey will also be important as future lake management plans are developed. Kevin L. voiced his agreement that the more data that we collect about the condition of our lakes, the better.

B. Summer/Fall Outreach Opportunities. – Dave encouraged members of the LLC to develop future initiatives for community outreach and educational initiatives. As discussions continued, it was communicated that there will be a Lindenhurst festival next year, and some activities might be planned in conjunction with the festival. Some discussions ensued about an LLC presence, such as a tent or booth, at some of the summer music concerts next year after some talking points are developed for sharing.

C. Project Preparation for 2023 Budget Cycle. Dave said that he envisioned three main priorities for the upcoming budget cycle. All three initiatives are related to obtaining base line data about the quality of our lakes that will be used to drive the LLC's future initiatives and recommendations. Dave outlined the priorities as follows:

An updated depth study for all four Village Lakes. Dave suggested that he could develop a request for proposal to develop updated bathymetric mapping for our lakes. When the updated data is compared to older bathymetric maps, the Village and the LLC can get an idea of how much the lakes may be filling in, and at what rate. Once this data is compared, it will aid recommendations, if any, relevant to sediment removal. Dave expressed his

opinion that a core sample study is probably not necessary, as he can't envision contaminated sediment. Tom noted that in the eight years that he has been measuring depth on Springledge with a Secchi disk, the deepest part of the lake has remained at 9.5 feet.

Aeration for Lake Potomac. Dave suggested that a request for proposal be developed to aerate Potomac in order to ensure that there will be enough oxygen for fish to survive the winter. Configuring and providing the electrical needs as well as purchasing the aerators should cost somewhere between \$20,000 and \$30,000. It was suggested that Brad may be the appropriate person to develop this request for proposal. Kevin K. noted that the outfall for Potomac was not losing water.

Water quality data. Dave suggested that another helpful way to begin to assess the future needs for our lakes was to monitor water quality indices. Tom agreed to contact Alana Bartolai of the Lake County Health Department to assess 1.) If the Lake County Health Department is still willing and able to analyze water samples from our lakes, and 2.) What the cost of their water analysis services would be.

After discussing the initial need for these data collection endeavors, it was suggested that the next step would be to develop a timetable for when these kinds of studies should be re-done, thereby establishing a prudent planning cycle. This proposed cycle could be submitted to the Village administration/and or Board to assist with future planning and budgeting.

As planning discussions continued, Kevin K. informed members of the LLC that the Village survey has been sent out. Dave commented that discussions of the proposed boat launch should wait until results of the survey are available.

Kevin K. offered to send the budget calendar to Dave.

- D. Ongoing Lakes Management Plan Drafting and Data Collection. Dave said that this item would remain on the agenda so that it may continue to be discussed as data about our lakes become available in subsequent meetings. This data will be important as the LLC seeks to develop lakes management plans for all the lakes.

VII. Public Participation - None

- VIII. Adjournment –** A motion to adjourn was made by Fritz and seconded by Kevin L. The meeting adjourned at 8:00 P.M.

Respectfully submitted,

Tom Heinrich
Recording Secretary

LLC Public Participants

<u>Name</u>	<u>Address</u>
None	



09/21/2022 Aquatic Services Report

LAKE LINDEN

Dissolved Oxygen (PPM): 8.9 mg/l

Water Temperature (F): 71

Vegetation Present: 1 – 3% Filamentous Algae, scattered Chara growth throughout portions of the lake floor. 5% Vallisneria (eel grass) and Horned/Sago pondweed.

Work Done: Lake Linden was looking pretty good today during our inspection. A few areas of algae/floating Chara were spot treated along the southern end of the Lake near the beach/boat launch. Water parameters all looked good here and this lake is also looking prepared for the incoming colder weather.

LAKE POTOMAC

Dissolved Oxygen (PPM): 7.9 mg/l

Water Temperature (F): 74

Vegetation Present: Scattered Chara observed in the shallower areas. Scattered pockets of Horned Pondweed growth through different areas of the lake. 1 – 5% Watermeal.

Work Done: Today we boated around Lake Potomac to make inspections and record water parameters. The Lake is looking pretty good at the moment and last week's application appears to have cleared things up a bit. The Lake is looking prepared for upcoming colder weather with ample vegetation to provide oxygen and habitat.

SPRING LEDGE

Dissolved Oxygen (PPM): 8.5 mg/l

Water Temperature (F): 80

Vegetation Present: 1 – 5% immature Chara observed in shallow areas. Roughly 20% Filamentous Algae. Scattered leafy debris floating on the water surface. 1% native pondweed growth, and 1% Duckweed.

Work Done: Today we treated for the Filamentous Algae growth present on Spring Lake, focusing more heavily on shoreline areas of growth and a few of the larger open water patches. Please allow around a week for today's treatment to have full effect.

WATERFORD LAKE

Dissolved Oxygen (PPM): 8.7 mg/l

Water Temperature (F): 73

Vegetation Present: <1% Filamentous Algae. Light and healthy Chara/Nitella. A few patches of cattails and areas of Vallisneria (eel grass) with native pondweed growth.

Work Done: Waterford Lake was looking really good today during our inspection of the Lake. A very small amount of beaten-up algae and Chara were observed at the water surface. A follow-up spot application was performed and which I expect to clear the growth within a week. With cooler weather moving in, Waterford Lake is looking nice and prepared with light and healthy quantities of native vegetation.



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

Date Created: 09/21/2022 12:23 AM

WORK ORDER

WO-74517

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

Water Temperature:: 74

Chara/Nitella:: Scattered chara observed in the more shallow areas of the lake

Submerged Weeds:: scattered pockets of horned pondweed growth throughout different areas of the lake

Free Floating Plants (Duckweed/Watermeal) :: 1-5% watermeal

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: 09/21/2022 12:00 AM

Work Done

Description: Today we boated around Lake Potomac to make inspections and record water parameters. The Lake is looking pretty good at the moment and last weeks application appears to have cleared things up a bit. The Lake is looking prepared for upcoming colder weather with ample vegetation to provide oxygen and habitat.

9.21.22
 Josh & Eric

Invoice

No Invoice

Notes

09/21/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

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: 09/21/2022 12:23 AM

WORK ORDER

WO-74516

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::	1-3% filamentous algae growth present
Water Temperature::	71
Chara/Nitella::	Scattered chara growth throughout portions of the Lake floor
Submerged Weeds::	A very spots of Vallisneria (eel grass) and horned/sago pondweed, roughly 5%
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:	09/21/2022 12:00 AM

Work Done

Description:	Lake Linden ilwas looking pretty good today during our inspection! A few areas of algae/floating chara were spot treated along the southern end of the Lake near the beach/boat launch. Water parameters all looked good here and this lake is also looking prepared for the incoming colder weather!
	9.21.22 Josh & Eric

Invoice

Status:	Not prepared
Amount:	\$0.00

Notes

09/21/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:12

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: 09/21/2022 12:23 AM

WORK ORDER

WO-74518

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)::	8.5
Filamentous Algae::	Roughly 20% filamentous algae growth present
Water Temperature::	74
Chara/Nitella::	1-5% immature Chara observed in shallow areas
Other::	Scattered leafy debris floating on the water surface
Submerged Weeds::	1% Native pondweed growth
Free Floating Plants (Duckweed/Watermeal) ::	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:	09/21/2022 12:00 AM

Work Done

Description:	Today we treated for the filamentous algae growth present on Spring Lake, focusing more heavily on shoreline areas of growth and a few of the larger open water patches. Please allow around a week for today's treatment to have full effect.
	9.21.22 Josh & Eric

Invoice

Status: Not prepared

Amount: \$0.00

Notes

09/21/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

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: 09/21/2022 12:23 AM

WORK ORDER

WO-74519

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):: 8.7

Filamentous Algae:: Less than 1% filamentous algae appearing beaten up

Water Temperature:: 73

Chara/Nitella:: Areas of light and healthy chara growth scattered

Emerged Plants:: A few patches of cattails observed

Submerged Weeds:: A few areas of Vallisneria (eel grass) and 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: 09/21/2022 12:00 AM

Work Done

Description: Waterford Lake was looking really good today during our inspection of the Lake. A very small amount of beaten up algae and chara were observed at the water surface. A follow up spot application was performed and which I expect to clear the growth within a weeks time. With cooler weather moving in Waterford Lake is looking nice and prepared with light and healthy quantities of native vegetation!

9.21.22
Josh & Eric

Invoice

Status: Not prepared

Amount: \$0.00

Notes

09/21/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:07

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.



10/06/2022 Aquatic Services Report

LAKE LINDEN

Dissolved Oxygen (PPM): 9.2 mg/l

Water Temperature: 65

Vegetation Present: 1% Filamentous Algae. A vast established chara population throughout the lake. A few small pockets of native horned and sago pondweeds.

Work Done: Lake Linden was looking really good today with an almost entirely crisp and clear water surface. There was a small amount of chara reaching the water surface right around the beach/boat launch area, which we spot treated along with the algae in the area; I assume the nuisance growth will clear up in the next week or so. Water clarity on the lake was superb today, with full visibility to the lake floor on most of the Lake.

LAKE POTOMAC

Dissolved Oxygen (PPM): 8.4 mg/l

Water Temperature: 62

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

Pet restrictions: 1 day

Vegetation Present: 5-10% filamentous algae growth present along various corners and shorelines. Ample chara growth throughout the lake, with a healthy establishment of various pondweeds. 15 – 20% watermeal.

Work Done: Today we made an application to clear out the areas of filamentous algae growth present and also to clean up a few areas of Chara becoming dense. The application made was focused around shoreline and more shallow areas. A good portion of watermeal was within the treated areas today, and that may catch some of the applications effects as well!

SPRING LEDGE

Dissolved Oxygen (PPM): 7.8 mg/l

Water Temperature: 60

Vegetation Present: Small ring of filamentous algae growth with a few small open water patches; ~ 5 – 7%. No chara growth observed. 1% native horned pondweed growth, and <1% watermeal.

Work Done: Spring Lake has cleaned up nicely since the previous visit. Today we treated for the light algae growth throughout the lake. I would expect the algae to clear up in about a week's time. Some of the leafy debris may fuel another small bloom as they decompose and release nutrients, but that will be an easy clean up on the next service if needed.

WATERFORD LAKE

Dissolved Oxygen (PPM): 8.5 mg/l

Water Temperature: 66

Vegetation Present: <1% Filamentous Algae fuzz. A light and healthy chara spread throughout the lake, with a few small spots of native horned/sago pondweeds and eel grass.

Work Done: Waterford Lake was looking great today during its inspection. There were a few very small spots of decaying algae which appeared sludge like and was on its last limbs. We did notice a small planktonic build up along the Southeastern most shoreline near the outflow of the Lake, which was spot treated. Overall things are looking good as we approach the end of the season with nice and healthy quantities of native vegetation being established for the winter.



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

Date Created: 10/05/2022 1:03 AM

WORK ORDER

WO-75740

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):: 9.2

Filamentous Algae:: 1% filamentous algae growth present

Water Temperature:: 65

Chara/Nitella:: A vast established chara population throughout the lake

Submerged Weeds:: A few small pockets of native horned and sago pondweeds

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: 10/05/2022 12:00 AM

Work Done

Description: Lake Linden was looking really good today with an almost entirely crisp and clear water surface. There was a small amount of chara reaching the water surface right around the beach/boat launch area which we spot treated along with the algae in the area; I assume the nuisance growth will clear up in the next week or so! Water clarity on the lake was superb today, with full visibility to the lake floor on most of the Lake.

10.6.22
Josh

Invoice

Status: Not prepared

Amount: \$0.00

Notes

10/05/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:45

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: 10/05/2022 1:03 AM

WORK ORDER

WO-75741

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:: 5-10 filamentous algae growth present along various corners and shorelines

Water Temperature:: 62

Chara/Nitella:: Ample chara growth throughout the lake

Submerged Weeds:: A healthy establishment of various native pondweeds observed

Free Floating Plants (Duckweed/Watermeal) :: 15-20% watermeal

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: 10/05/2022 12:00 AM

Work Done

Description: Today we made an application to clear out the areas of filamentous algae growth present and also to clean up a few areas of Chara becoming dense. The application made was focused around shoreline and more shallow areas. A good portion of watermeal was within the treated areas today and that may catch some of the applications effects as well!

10.6.22
Josh

Invoice

Status: Not prepared

Amount: \$0.00

Notes

10/05/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:49

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: 10/05/2022 1:03 AM

WORK ORDER

WO-75742

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):: 7.8

Filamentous Algae:: A small ring of filamentous algae growth present with a few small open water patches, Roughly 5-7%

Water Temperature:: 60

Chara/Nitella:: No Chara growth observed

Submerged Weeds:: 1% native horned pondweed growth observed

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

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: 10/05/2022 12:00 AM

Work Done

Description: Spring Lake has cleaned up nicely since the previous visit. Today we treated for the light algae growth throughout the lake. I would expect the algae to clear up in about a weeks time! Some of the leafy debris may fuel another small bloom as they decompose and release nutrients, but that will be an easy clean up on the next service if needed!

10.6.22
 Josh

Invoice

Status: Not prepared

Amount: \$0.00

Notes

10/05/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:26

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: 10/05/2022 1:03 AM

WORK ORDER

WO-75743

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)::	8.5
Filamentous Algae::	Less than 1% beaten up and decomposing algal fuzz
Water Temperature::	66
Chara/Nitella::	A light and healthy chara spread throughout the lake
Submerged Weeds::	A few small spots of native horned/sago pondweeds and a few pockets of eel grass
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:	10/05/2022 12:00 AM

Work Done

Description:	Waterford Lake was looking great today during its inspection! There were a few very small spots of decaying algae which appeared sludge like and was on its last limbs. We did notice a small planktonic build up along the Southeastern most shoreline near the outflow of the Lake which was spot treated. Overall things are looking good as we approach the end of the season with nice and healthy quantities of native vegetation being established for the winter.
	10.6.22
	Josh

Invoice

Status:	Not prepared
Amount:	\$0.00

Notes

10/05/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:59

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.



10/19/2022 Aquatic Services Report

LAKE LINDEN

Vegetation Present: No filamentous algae. An established population of healthy Chara throughout the lake floor. Some leafy debris sunk to the bottom of the lake. A few small pockets of horned/sago pondweed growth.

Work Done: Lake Linden was looking good today during inspection. Water clarity here is superb, likely in part due to the healthy Chara population. The Chara will also provide good habitat and oxygen over the winter, as weather continues to get colder. No chemical treatment was required for Lake Linden.

LAKE POTOMAC

Vegetation Present: No filamentous algae. Scattered healthy Chara growth throughout lake. Pockets of sago and horned pondweed.

Work Done: Lake Potomac was looking really good today during inspection. Water clarity was really good when allowed for some good observations. Chara growth has scaled back a bit since the previous two visits, but with ample growth remaining for a healthy habitat.

SPRING LEDGE

Vegetation Present: No Filamentous Algae. 1-5% Chara growth observed. Scattered leafy debris in shallow areas. No submerged weed growth.

Work Done: Spring Lake is looking clear and calm for today's inspection. No treatment was required as things here have cleared up nicely and have maintained their clean aesthetic.

WATERFORD LAKE

Vegetation Present: No Filamentous Algae. A few Chara patches observed in shallow water. A few spots of light horned/sago pondweed growth.

Work Done: Waterford Lake was looking good today during the inspection. The water column was a bit turbid which made submerged observations a bit difficult. The turbidity likely is just a result of the windy weather we've been experiencing. I did see 12 Swans out on the Lake today, mostly all hanging around Thunder Bay.



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

Date Created: 10/19/2022 1:03 AM

WORK ORDER

WO-75979

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

Filamentous Algae:: No filamentous algae growth

Chara/Nitella:: An established population of healthy Chara throughout the Lake floor

Other:: Some leafy debris sunk to the bottom of the lake

Submerged Weeds:: A few small pockets of horned/sago pondweed growth were 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: 10/19/2022 12:00 AM

Work Done

Description: Lake Linden was looking good today during inspection; Water clarity here is superb, likely in part due to the healthy chara population. The chara will also provide good habitat and oxygen over the winter as weather continues to get colder. No chemical treatment was required for Lake Linden!

10.19.22
Josh

Invoice

No Invoice

Notes

10/19/2022 | Maintenance Agreement Scheduler | Text note
 APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:33

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: 10/19/2022 1:03 AM

WORK ORDER

WO-75980

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

-

Filamentous Algae:: No filamentous algae growth present

Chara/Nitella:: Scattered healthy chara growth throughout the lake

Other:: Good water clarity

Submerged Weeds:: Pockets of sago and horned pondweed observed in 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: 10/19/2022 12:00 AM

Work Done

Description: Lake Potomac was looking really good today during inspection. Water clarity was really good when allowed for some good observations! Chara growth has scaled back a bit since the previous two visits but with ample growth remaining for a healthy habitat!

10.19.22
 Josh

Invoice

No Invoice

Notes

10/19/2022 | Maintenance Agreement Scheduler | Text note

APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:39

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: 10/19/2022 1:03 AM

WORK ORDER

WO-75981

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

Filamentous Algae:: No filamentous algae growth present
Chara/Nitella:: 1-5% chara growth observed
Other:: Scattered leafy debris in shallow areas
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: 10/19/2022 12:00 AM

Work Done

Description: Spring Lake is looking clear and calm for today's inspection! Nontreatment was required as things here have cleared up nicely and have maintained their clean aesthetic!
 10.19.22
 Josh

Invoice

No Invoice

Notes

10/19/2022 | Maintenance Agreement Scheduler | Text note
 APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:23

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: 10/19/2022 1:03 AM

WORK ORDER

WO-75982

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

Filamentous Algae:: No filamentous algae growth present

Chara/Nitella:: A few chara patches observed in shallow water

Submerged Weeds:: A few spots of light horned/sago pondweed 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: 10/19/2022 12:00 AM

Work Done

Description: Waterford Lake was looking good today during the inspection! The water column was a bit turbid which made submerged observations a bit difficult. The turbidity likely is just a result of the windy weather we've been experiencing. I did see 12 Swans out on the Lake today, mostly all hanging around Thunder Bay.

10.19.22
 Josh

Invoice

No Invoice

Notes

10/19/2022 | Maintenance Agreement Scheduler | Text note
 APRIL - OCTOBER (16 Services)

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:49

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.