



**VILLAGE OF LINDENHURST**  
**Special Lakes Commission Meeting Agenda**  
**Tuesday, October 3, 2023**  
**7:00 p.m.**

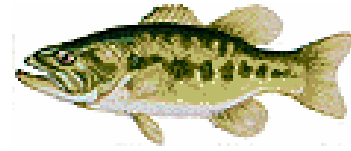
- I. Call to Order
- II. Roll Call
- III. Approval of Minutes from the September 19, 2023 Meeting
- IV. New Business
  - A. Lake Depth Study Quote Review and Vote on Recommendation
  - B. Fisheries Update and Stocking Discussion
  - C. 2023 Budget Cycle Update-Discuss Items for Recommendation and Assign Responsibility
    - a. Lake Depth Study-Pending
    - b. Fisheries Survey-COMPLETED
    - c. Water Quality Sampling- Ongoing
    - d. Lake Potomac Aeration System
    - e. Lake Gates
  - D. 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  
September 19, 2023  
7:00 p.m.**



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

- 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.  
A motion was made to approve the minutes of the July 18, 2023, meeting. Roll call for the vote was as follows:

|                      |        |
|----------------------|--------|
| Tom Heinrich         | Yes    |
| P.J. Hilbert         | Absent |
| Dave Kraft           | Absent |
| Kevin Lowry          | Yes    |
| Fritz Meyers         | Yes    |
| Carlos Menor Salazar | Yes    |
| Jim West             | Yes    |
| Brad Winter          | Yes    |
| Caly Winter          | Yes    |

The motion to approve the minutes of the July 18, 2023, meeting carried.

- IV. Commissioner Reports
  - A. Chairperson Report – Tom began the meeting by informing members of the LLC that Dave was unable to attend tonight’s meeting and that he would conduct the meeting in Dave’s absence. Tom went on to say that he wanted to share some details about what happened on Lake Linden since the LLC’s last meeting in July, where numerous residents expressed concern over the fish kill and overgrowth of chara. Tom said that after the July meeting residents of Lake Linden, led by Pat Dickson, John Filippo, Carlos Salazar, and others helped coordinate an extraordinary volunteer effort for manual removal of chara. The chara was raked out of the lake and allowed to dry out at Linden Landing, Meyers Beach,

and various private shorelines. The Village cooperated by picking up the drying chara and bringing it to a Village facility to dry out some more. Tom added that McCloud Aquatics came out with their weed harvesting machine to assist in the collaborative effort on Linden. He concluded his comments by saying that although the lake was not perfect, it looked far better after the collaborative efforts of volunteers, Village personnel and McCloud. Tom concluded his report by saying that the lake looked very nice for Lake Linden's Venetian night, which he had the pleasure of attending for the first time. After his comments Tom asked for lake reports beginning with Lake Linden.

#### B. Individual Lakes Commissioner Reports –

Lake Linden – Carlos reported that the first clean-up of Lake Linden took place on July 22 and 23. Another clean up took place on August 7 and August 8. In addition, Carlos said that McCloud did mechanical removal of the chara as well. He added that Venetian night took place on September 2 with additional festivities on Northgate. Carlos concluded his report by saying that the lake looks good. Resident John Filippo added that the lake level was still down at least six inches.

Lake Waterford – Jim reported that fishing was spotty, and he had seen evidence of vandalism on a garbage can by Teal Landing. Jim said he has lived on the lake for seven years and frequently encounters people without Village watercraft stickers launching on the lake. He said that he has seen several ordinance infractions such as fishing after dark and even launching a boat with an outboard motor. He said that his mailbox was hit and expressed his opinion that the lakes should be policed to a greater extent. Jim said that, in his opinion, a gate with a lock should be added to Teal Landing to limit access to appropriate users of the lake. Jim requested that this concern be included as an agenda item for further discussion. Fritz reported that the chara has ramped up on Waterford once again and the peat bogs have been appearing and disappearing. Fritz mentioned that once the Teal Landing site is improved, it might encourage even more unauthorized boat launches.

Lake Potomac – Brad reported that the lake was about a foot low with the sedimentation level up and the water level down. He continued by saying that boats can't go out on the lake because of its shallowness, and even Josh from McCloud and a kayaker have had problems getting stuck. Brad reported that Potomac experienced a larger than average fish kill (blue gill and smaller fish). He concluded his report by saying that the lake was not usable for fishing or recreation and that a better plan is needed for Potomac. Brad said that the water level was so low that he was unable to launch his boat to collect water quality samples.

Lake Springledge – Tom reported that Springledge looked beautiful right now except for the turbidity. He reported that there is very little filamentous algae, and only scattered chara growth. Tom said that over the course of the season, the Secchi readings for Springledge went from 92 inches in May to only 18 inches on September 12, indicating significant turbidity. Similarly, on September 12, the dissolved oxygen was 8.1 milligrams per liter which also marks a low point for the season. Prior to September, the lowest reading this season was 8.3.

#### C. Trustee Report – No report.

D. Village Report – No report

V. Old Business: None

VI. New Business:

A. Fisheries Update and Discussion.

Tom began the discussion by asking if there was any money available for fish stocking this fall. After some discussion, Kevin K. clarified that although there was no line item in the budget for fish stocking, fish stocking still might be possible based on the way the budget is established. Tom said that P.J. has been the person leading up the fish stocking initiatives in the past, but he is unavailable to do it this year. Furthermore, Tom said that he has not seen an official report with stocking recommendations from EA Associates as of this meeting time. He said that he did, however, reach out to P.J. via email before the meeting to get some general recommendations. P.J. responded with a recommendation for muskie because it has been a number of years since we last stocked them and that the addition of muskie would control the excess of small panfish. In response to a question by Kevin L., it was confirmed no one present at the meeting was aware of a stocking report from EA. In response to a question about whether fish stocking donations could be made, Kevin K. responded that nothing could be done without recommendations from EA. Brad added that he didn't believe that Potomac should be restocked until aeration could be added. Without this, the fish would not likely survive the winter. After some additional discussion, the general consensus of the LLC was to schedule a special meeting for October, perhaps Oct. 10, so that the stocking recommendation report could be available and discussed.

Brad made a motion to approve scheduling a special meeting of the LLC in October to discuss a fisheries update and to discuss a stocking plan and a monetary plan for fish stocking. Jim seconded the motion.

Roll call for the vote was as follows:

|                      |        |
|----------------------|--------|
| Tom Heinrich         | Yes    |
| P.J. Hilbert         | Absent |
| Dave Kraft           | Absent |
| Kevin Lowry          | Yes    |
| Fritz Meyers         | Yes    |
| Carlos Menor Salazar | Yes    |
| Jim West             | Yes    |
| Brad Winter          | Yes    |
| Caly Winter          | Yes    |

The motion to approve a special meeting of the LLC in October to discuss fish stocking and its budget carried.

- B. Discussion with McCloud Representatives on Management Approach for Remainder of 2023 – No additional discussion ensued for this item in that it was simply a carryover from July’s agenda. McCloud’s approach for the remainder of the season was fully discussed during the July 2023 meeting.
- C. 2024 Outreach Opportunities. – Tom reminded members of the LLC that we should continue to think of ways to educate the community about best practices for our lakes. It was discussed that there are no assurances that there will be an event for Earth Day next spring. Other possible alternative events that were discussed included a presence at LindenFest and cooperation with Park District events like the carp fishing tournament and “cops and bobbers.” Fritz added that having a presence at some of the summer concerts might be another good opportunity. Toward the end of the discussion, Fritz volunteered to explore the possibilities of a Lakes Commission booth at LindenFest next year.
- D. 2023 Budget Cycle Update-
- a. Lake Depth Study – Kevin K. reported that the Village received three quotes for the lake depth study. Quotes have been received from Woodman Baxter, Hey and Associates and McCloud. The quotes ranged from a maximum of \$9,000 to a minimum of \$3,375. Given the wide disparity in the quotes, Tom questioned whether the scope of work was the same for each quote. Kevin K. mentioned that the McCloud quote has an additional charge for larger maps and legends. Brad mentioned that McCloud’s lower quote could be because they are more familiar with our lakes. After additional discussion, there was general agreement that the lake depth study quotes should be considered at the October special meeting thereby giving commissioners the opportunity to review the quotes before a recommendation is made.
  - b. Fisheries Survey – Tom reiterated that the fisheries survey has been completed but that the report and recommendations are still needed for October.
  - c. Water Quality Sampling- Tom thanked John Filippo and Fritz Meyers for taking water samples this season on Lakes Linden and Waterford respectively. Tom shared that John has been taking water samples on Linden from May through September and Fritz has been taking samples on Waterford from June through September. Similarly, Tom has been taking samples on Springledge from May through September. Kevin Lowry has helped as well. Tom said that the reason we are taking water samples is so that we can track lake health indicators. These measurements may suggest the need for funding initiatives over time and showing the numbers can help support future funding requests. The Lake County Health Department has been providing their analyses about a month after the samples have been taken. In conclusion, Tom proposed that all the individual lake results from the Health Department be forwarded to him. Once this is done Tom, Dave and Carlos will review the data and make suggestions for how the results can be interpreted and organized. Carlos suggested that any existing data from the past be used to compare with the newly collected data and then graphed.
  - d. Lake Potomac Aeration System – Tom reiterated that this proposed initiative was not funded by the Village Board because more detail was needed. Brad responded that it was not necessary to include this item in our budget request for the next year because without a fish study, there is no new information for the

Board. He went on to say that if the situation changes, he will be willing to bring it to the Board.

- E. Ongoing Lakes Management Plan Drafting and Data Collection – Tom said that it is still a goal to draft a lake management plan for each of our lakes. Prior to developing these plans, however, it is necessary to have basic information about the health of our lakes. He said that collecting the water samples and lake depth studies are the first step toward being able to develop these plans.
- F. Water Quality Sampling Update- Tom reminded the commissioners that this issue had already been discussed earlier in the meeting during the water quality sampling update.
- G. Annual LLC Report and Recommendations – Tom reminded members of the LLC that the Village Board expects an annual report from the LLC in November or December informing them of what the LLC has been doing as well as our future plans. Several commissioners expressed a desire to be able to review a draft of this annual report before it goes to members of the Village Board.

**VII. Public Participation –**

A new resident on Lake Linden introduced himself and shared his professional background and participation on various boards. In addition, he asked about where lake related ordinances can be found. He was referred to the various signage at the beaches as well as the Village website for a more complete set up regulations.

Another resident from Lake Linden mentioned that he noticed the existence of chara in the spring and predicted a problematic season. He made an observation that early spring treatment of the chara is important and should be a bit more aggressive.

Another longtime resident commended the LLC and Village residents for taking up the challenge he spoke of at the July meeting and working collaboratively, and as a community, to resolve the chara problem. He said this community effort resulted in good press coverage. He ended his comments by stressing that good documentation at meetings is important and that it might be beneficial to go back through old ordinances.

Adjournment – A motion to adjourn was made by Carlos and seconded by Kevin L. The meeting was adjourned at 8:38 P.M.

Roll call for the vote was as follows:

|                      |        |
|----------------------|--------|
| Tom Heinrich         | Yes    |
| P.J. Hilbert         | Absent |
| Dave Kraft           | Absent |
| Kevin Lowry          | Yes    |
| Fritz Meyers         | Yes    |
| Carlos Menor Salazar | Yes    |
| Jim West             | Yes    |
| Brad Winter          | Yes    |
| Caly Winter          | Yes    |

**VIII.**

Respectfully submitted,

Tom Heinrich  
Recording Secretary

LLC Public Participants

| <u>Name</u>      | <u>Address</u>        |
|------------------|-----------------------|
| Betty Ahlmann    | 378 Northgate Road    |
| Bruce Ahlmann    | 378 Northgate Road    |
| Paul Baumunk     | 402 N. Beck Road      |
| John Filippo     | 2208 Lake Shore Drive |
| Judy Heinrich    | 395 Teal Road         |
| Bruce Hoffenberg | 2114 Lake Shore Drive |

## Bathymetric Study

Below is the scope provided to Baxter Woodman and McCloud Aquatics. If you recall, Hey and Associates provided a detailed price quote last year including this scope. Additional services were also included which were not budgeted. (See final quote under Hey). Hey was contacted this week and related they would hold the pricing.

Scope Provided:

Collect depth information for all four lakes using sonar-based equipment. Survey water surface elevations at the time of sonar data collection for processing, and collect key lake outlet elevation. To the extent practical based upon sonar sensitivity, collect soft-sediment depths using sonar-based equipment, to the extent practical.

Process the data and prepare bathymetric maps for each of the four lakes using the NAVD 88 vertical datum as a base. Map soft sediment depths where data was able to be collected by sonar. Provide these maps in .pdf and GIS database formats for Village use.

## Baxter Woodman

**From:** Kurt M. Baumann <[kbaumann@baxterwoodman.com](mailto:kbaumann@baxterwoodman.com)>  
**Sent:** Monday, September 18, 2023 3:20 PM  
**To:** Kevin Klahs <[kklahs@lindenhurstil.org](mailto:kklahs@lindenhurstil.org)>  
**Cc:** Joseph L. Molidor <[jmolidor@baxterwoodman.com](mailto:jmolidor@baxterwoodman.com)>  
**Subject:** RE: Bathymetric Survey

Kevin:

Thanks for the reminder. I contacted our surveyor after we first talked about this and then if fell of my radar.

The four smaller lakes we can do with our remote operated drone boat, and will take a surveyor one day each:  $4 \times 10 \text{ hours} \times \$150/\text{hour} = \$6,000$ .

Waterford Lake we would have to do with our row boat, so that will take 2 people one day:  $10 \text{ hours} \times \$260/\text{hour} = \$2,600$ .

There would also be a vehicle charge:  $\$65/\text{day} \times 5 \text{ days} = \$325$ .

All four lakes would be  $\$6,000 + \$2,600 + \$325 = \$8,925$ .

## McCloud

$\$3,375$  for all 4



Lake Linden – \$1,175.00

Potomac – \$775.00

Spring Lake – \$575.00

Waterford - \$1,575.00

Larger maps - \$350.00 per map

Legend - \$400.00 per map

Kind Regards,

T. J. McCloud

847-226-4718

[www.mccloudaquatics.com](http://www.mccloudaquatics.com)

**Hey**

**Hey and Associates, Inc.** Engineering, Ecology and Landscape Architecture 26575 W. COMMERCE DRIVE, SUITE 601 VOLO, ILLINOIS 60073 PHONE (847) 740-0888 FAX (847) 740-2888

**ADDITIONAL OFFICES IN CHICAGO, ILLINOIS AND RICHLAND CENTER, WISCONSIN**

Dear Mr. Johnson:

We understand that the Village of Lindenhurst (Village) wishes to study lake depths and the potential for sediment removal in the four Village lakes (Lake Potomac, Lake Linden, Lake Waterford, and Spring Ledge Lake). We propose the following scope of services aimed at providing the baseline data necessary to provide input to the Village to consider future sediment removal projects.

**TASK 1: BATHYMETRIC SURVEY**

As an initial task, we will collect depth information for all four lakes using sonar-based equipment. We will also survey water surface elevations at the time of sonar data collection for processing, and collect key lake outlet elevation. To the extent practical based upon sonar sensitivity, we will also collect soft-sediment depths using sonar-based equipment, to the extent practical.

We will process the data and prepare bathymetric maps for each of the four lakes using the NAVD 88 vertical datum as a base. We will also map soft sediment depths where data was able to be collected by sonar. We will provide these maps in .pdf and GIS database formats for Village use. We will complete this work for a lump sum fee of \$9,000. It is expected that this data will be collected in spring of 2023.

Village of Lindenhurst 22-0423 November 18, 2022 Page 2

**ADDITIONAL OFFICES IN CHICAGO, ILLINOIS AND RICHLAND CENTER, WISCONSIN**

**TASK 2: SEDIMENT SAMPLING**

During survey data collection we will also collect up to two (2) sediment samples from each lake and deliver them to a laboratory for testing. Samples will be tested for nutrient content and general constituency to assist in determining the origin of the soft sediment material (ie natural peat deposits, collected organic sediment from natural lake processes, or soil runoff from adjacent upland areas).

We will collect and deliver samples for a lump sum fee of \$1,000. We have also budgeted \$5,000 for laboratory fees. We will determine pricing prior to sampling and maximize the number of sediment samples that can be collected and tested under this budget.

**TASK 3: SUMMARY REPORT**

Following data collection in Tasks 1 and 2, we will prepare a summary report documenting the project efforts and the following key information:

1. We will provide a visual comparison of 2023 bathymetric data and existing Lake County Health Department bathymetry maps for each lake.
2. We will provide a discussion of how lake depth may be impacting the ability for the Village to achieve the adopted lake goals.
3. We will provide a discussion of sediment removal options including recommended quantities for each lake, concept level costs, sediment removal methods, sediment disposal, and regulatory requirements.
4. We will provide any recommendations for how sediment removal may facilitate lake maintenance and addressing identified lake goals.

We will meet with Village staff to review the results of the study. Following Village concurrence, we will also meet with the Lindenhurst Lakes Commission to review study results, and if requested present the results to the Village Board.

We will complete this work for a lump sum fee of \$6,000.

| <b>FEES TASKS</b>                           | <b>FEE</b>      |
|---|-----------------|
| 1. Bathymetric Survey                       | \$9,000 LS      |
| 2. Sediment Sampling                        | \$6,000 LS      |
| 3. Summary Report                           | \$6,000 LS      |
| <b>TOTAL (INCLUDING ESTIMATED LAB FEES)</b> | <b>\$21,000</b> |

Village of Lindenhurst 22-0423 November 18, 2022 Page 3

**ADDITIONAL OFFICES IN CHICAGO, ILLINOIS AND RICHLAND CENTER, WISCONSIN**

Reimbursable expenses are included in the lump sum fees noted above and include, but are not necessarily limited to, travel, reproductions, shipping/delivery, aerial photographs, phone and other communication charges, consultants and subcontractor fees, equipment and supply costs related to the execution of the project. Any additional meetings or supplemental work would be in addition to the above amount or by separate proposal. Our Standard Terms and Conditions are attached.

If this agreement is acceptable, please sign below and return this proposal to our office. Upon receipt, we will sign and return a fully executed copy for your records. This proposal is valid for 60 days from the date of this letter. Should you have any questions, please contact the project manager, Jeremy Husnik at our Volo office.

| Proposed Fish Stocking Lindenhurst Lakes - 2023-2024  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|
| <b>2023</b>   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Largemouth Bass -</b>  | 500 fish, larger specimens (> 8 inches if available) distributed in Potomac* (150 fish) and Linden** (350 fish) in fall. |  |  |  |  |  |  |  |  |  |  |
| <b>Bluegill -</b>   | 1,500 fish, 2-4 inch stocked in Linden** in fall.  |  |  |  |  |  |  |  |  |  |  |
| <b>Fathead Minnow -</b>   | 100 lbs. distributed in Potomac (20 lbs), Waterford (20 lbs.), and Linden (60 lbs.) in fall.                             |  |  |  |  |  |  |  |  |  |  |
| <b>2024</b>   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Tiger Muskie -</b>   | 150 fish, 10-12 inch stocked proportionately (all lakes) in fall.  |  |  |  |  |  |  |  |  |  |  |
| <b>Channel Catfish -</b>  | 300 lbs. adult fish distributed proportionately among all lakes.   |  |  |  |  |  |  |  |  |  |  |
| * Recommend stocking after diffuser is installed.   |  |  |  |  |  |  |  |  |  |  |  |
| ** Assumes a <b>partial</b> fish kill in Linden in July 2023. Stocking may be reassessed if the kill in Linden was more severe than expected. |  |  |  |  |  |  |  |  |  |  |  |

Table x. Number, Percent Abundance, and Catch-Per-Unit-Effort (CPE) of Fish Collected Electrofishing in Springledge Lake, 11 October 2022.

| Common Name     | Scientific Name               | Electrofishing |        |                   | Length Range (inches) |      |
|-----------------|-------------------------------|----------------|--------|-------------------|-----------------------|------|
|                 |                               | No.            | %      | CPE<br>(No./hour) | Min.                  | Max. |
| Yellow Bullhead | <i>Ameiurus natalis</i>       | 2              | 1.2%   | 3.6               | 9.2                   | 10.6 |
| Channel Catfish | <i>Ictalurus punctatus</i>    | 1              | 0.6%   | 1.8               | 23.7                  | 23.7 |
| Green Sunfish   | <i>Lepomis cyanellus</i>      | 1              | 0.6%   | 1.8               | 6.9                   | 6.9  |
| Bluegill        | <i>Lepomis macrochirus</i>    | 140            | 83.3%  | 254.5             | 1.2                   | 6.3  |
| Largemouth Bass | <i>Micropterus salmoides</i>  | 17             | 10.1%  | 30.9              | 2.9                   | 14.8 |
| Black Crappie   | <i>Pomoxis nigromaculatus</i> | 7              | 4.2%   | 12.7              | 3.1                   | 7.7  |
|                 | Total Fish                    | 168            | 100.0% | 305.5             |                       |      |
|                 | Total Species                 | 6              |        |                   |                       |      |
|                 | Sampling Duration (minutes)   | 33             |        |                   |                       |      |

Table x. Number, Percent Abundance, and Catch-Per-Unit-Effort (CPE) of Fish Collected Electrofishing in Potomac Lake, 10 October 2022.

| Common Name     | Scientific Name               | Electrofishing |        |                   | Length Range (inches) |      |
|-----------------|-------------------------------|----------------|--------|-------------------|-----------------------|------|
|                 |                               | No.            | %      | CPE<br>(No./hour) | Min.                  | Max. |
| Yellow Bullhead | <i>Ameiurus natalis</i>       | 1              | 0.2%   | 1.4               | 10.0                  | 10.0 |
| Green Sunfish   | <i>Lepomis cyanellus</i>      | 368            | 80.5%  | 501.8             | 1.2                   | 6.5  |
| Bluegill        | <i>Lepomis macrochirus</i>    | 69             | 15.1%  | 94.1              | 1.0                   | 7.6  |
| Lepomis Hybrid  | <i>Lepomis sp.</i>            | 2              | 0.4%   | 2.7               | 3.0                   | 3.5  |
| Black Crappie   | <i>Pomoxis nigromaculatus</i> | 17             | 3.7%   | 23.2              | 5.0                   | 10.3 |
|                 | Total Fish                    | 457            | 100.0% | 623.2             |                       |      |
|                 | Total Species                 | 4              |        |                   |                       |      |
|                 | Sampling Duration (minutes)   | 44             |        |                   |                       |      |

Table x. Number, Percent Abundance, and Catch-Per-Unit-Effort (CPE) of Fish Collected Electrofishing in Waterford Lake, 10 October 2022.

| Common Name       | Scientific Name                       | Electrofishing |        |                   | Length Range (inches) |      |
|-------------------|---------------------------------------|----------------|--------|-------------------|-----------------------|------|
|                   |                                       | No.            | %      | CPE<br>(No./hour) | Min.                  | Max. |
| Yellow Bullhead   | <i>Ameiurus natalis</i>               | 11             | 3.3%   | 9.4               | 9.2                   | 10.6 |
| Tiger Muskellunge | <i>Esox lucius x Esox masquinongy</i> | 2              | 0.6%   | 1.7               | 39                    | 40.2 |
| Green Sunfish     | <i>Lepomis cyanellus</i>              | 1              | 0.3%   | 0.9               | 4.9                   | 4.9  |
| Bluegill          | <i>Lepomis macrochirus</i>            | 193            | 57.4%  | 165.4             | 1.8                   | 7.0  |
| Lepomis Hybrid    | <i>Lepomis sp.</i>                    | 1              | 0.3%   | 0.9               | 6.3                   | 6.3  |
| Largemouth Bass   | <i>Micropterus salmoides</i>          | 114            | 33.9%  | 97.7              | 2.9                   | 14.8 |
| Black Crappie     | <i>Pomoxis nigromaculatus</i>         | 14             | 4.2%   | 12.0              | 5.9                   | 8.6  |
|                   | Total Fish                            | 336            | 100.0% | 288.0             |                       |      |
|                   | Total Species                         | 5              |        |                   |                       |      |
|                   | Sampling Duration (minutes)           | 70             |        |                   |                       |      |

Table x. Number, Percent Abundance, and Catch-Per-Unit-Effort (CPE) of Fish Collected Electrofishing in Linden Lake, 10 October 2022.

| Common Name     | Scientific Name               | Electrofishing |        |                   | Length Range (inches) |      |
|-----------------|-------------------------------|----------------|--------|-------------------|-----------------------|------|
|                 |                               | No.            | %      | CPE<br>(No./hour) | Min.                  | Max. |
| Yellow Bullhead | <i>Ameiurus natalis</i>       | 28             | 7.2%   | 24.7              | 6.4                   | 12.0 |
| Green Sunfish   | <i>Lepomis cyanellus</i>      | 9              | 2.3%   | 7.9               | 4.1                   | 4.3  |
| Pumpkinseed     | <i>Lepomis gibbosus</i>       | 51             | 13.1%  | 45.0              | 2.6                   | 6.5  |
| Bluegill        | <i>Lepomis macrochirus</i>    | 233            | 59.7%  | 205.6             | 2.3                   | 6.1  |
| Lepomis Hybrid  | <i>Lepomis sp.</i>            | 8              | 2.1%   | 7.1               | 2.8                   | 6.7  |
| Largemouth Bass | <i>Micropterus salmoides</i>  | 60             | 15.4%  | 52.9              | 9.7                   | 16.5 |
| Black Crappie   | <i>Pomoxis nigromaculatus</i> | 1              | 0.3%   | 0.9               | 12.3                  | 12.3 |
|                 | Total Fish                    | 390            | 100.0% | 344.1             |                       |      |
|                 | Total Species                 | 6              |        |                   |                       |      |
|                 | Sampling Duration (minutes)   | 68             |        |                   |                       |      |

Total Fish all lakes            1351

- Yellow Bullhead
- Channel Catfish
- Green Sunfish
- Bluegill
- Pumpkinseed
- Largemouth Bass
- Black Crappie
- Tiger Muskellunge
- Lepomis Hybrid



Level C-Fish Data, Springledge Lake

| SPECIES         | LENGTH (mm) | Length (in.) | PLUSCNT | BATCHWT | REMARKS (ALL CAPS; 25 char max) | Lenth Group (in.) | Number |
|-----------------|-------------|--------------|---------|---------|---------------------------------|-------------------|--------|
| Black Crappie   | 78          | 3.07         |         |         |                                 | 2-4               | 1      |
| Black Crappie   | 166         | 6.54         |         |         |                                 | 6-8               | 6      |
| Black Crappie   | 170         | 6.69         |         |         |                                 | 6-8               |        |
| Black Crappie   | 172         | 6.77         |         |         |                                 | 6-8               |        |
| Black Crappie   | 175         | 6.89         |         |         |                                 | 6-8               |        |
| Black Crappie   | 176         | 6.93         |         |         |                                 | 6-8               |        |
| Black Crappie   | 195         | 7.68         |         |         |                                 | 6-8               |        |
| Bluegill        |             | 0.00         | 82      | 570     | LR 40-130 mm                    |                   |        |
| Bluegill        |             | 0.00         | 10      | 130     | LR 40-130 mm                    |                   |        |
| Bluegill        |             | 0.00         | 4       | 18      | LR 40-130 mm                    |                   |        |
| Bluegill        |             | 0.00         | 1       | 1       |                                 |                   |        |
| Bluegill        |             | 0.00         | 1       | 4       |                                 |                   |        |
| Bluegill        | 30          | 1.18         |         |         |                                 | 1-2               | 3      |
| Bluegill        | 43          | 1.69         |         |         |                                 | 1-2               |        |
| Bluegill        | 45          | 1.77         |         |         |                                 | 1-2               |        |
| Bluegill        | 52          | 2.05         |         |         |                                 | 2-4               | 14     |
| Bluegill        | 57          | 2.24         |         |         |                                 | 2-4               |        |
| Bluegill        | 57          | 2.24         |         |         |                                 | 2-4               |        |
| Bluegill        | 59          | 2.32         |         |         |                                 | 2-4               |        |
| Bluegill        | 61          | 2.40         |         |         |                                 | 2-4               |        |
| Bluegill        | 65          | 2.56         |         |         |                                 | 2-4               |        |
| Bluegill        | 65          | 2.56         |         |         |                                 | 2-4               |        |
| Bluegill        | 68          | 2.68         |         |         |                                 | 2-4               |        |
| Bluegill        | 70          | 2.76         |         |         |                                 | 2-4               |        |
| Bluegill        | 71          | 2.80         |         |         |                                 | 2-4               |        |
| Bluegill        | 76          | 2.99         |         |         |                                 | 2-4               |        |
| Bluegill        | 76          | 2.99         |         |         |                                 | 2-4               |        |
| Bluegill        | 84          | 3.31         |         |         |                                 | 2-4               |        |
| Bluegill        | 84          | 3.31         |         |         |                                 | 2-4               |        |
| Bluegill        | 105         | 4.13         |         |         |                                 | 4-6               | 21     |
| Bluegill        | 106         | 4.17         |         |         |                                 | 4-6               |        |
| Bluegill        | 118         | 4.65         |         |         |                                 | 4-6               |        |
| Bluegill        | 121         | 4.76         |         |         |                                 | 4-6               |        |
| Bluegill        | 122         | 4.80         |         |         |                                 | 4-6               |        |
| Bluegill        | 122         | 4.80         |         |         |                                 | 4-6               |        |
| Bluegill        | 123         | 4.84         |         |         |                                 | 4-6               |        |
| Bluegill        | 123         | 4.84         |         |         |                                 | 4-6               |        |
| Bluegill        | 125         | 4.92         |         |         |                                 | 4-6               |        |
| Bluegill        | 135         | 5.31         |         |         |                                 | 4-6               |        |
| Bluegill        | 136         | 5.35         |         |         |                                 | 4-6               |        |
| Bluegill        | 137         | 5.39         |         |         |                                 | 4-6               |        |
| Bluegill        | 138         | 5.43         |         |         |                                 | 4-6               |        |
| Bluegill        | 138         | 5.43         |         |         |                                 | 4-6               |        |
| Bluegill        | 139         | 5.47         |         |         |                                 | 4-6               |        |
| Bluegill        | 139         | 5.47         |         |         |                                 | 4-6               |        |
| Bluegill        | 141         | 5.55         |         |         |                                 | 4-6               |        |
| Bluegill        | 143         | 5.63         |         |         |                                 | 4-6               |        |
| Bluegill        | 145         | 5.71         |         |         |                                 | 4-6               |        |
| Bluegill        | 146         | 5.75         |         |         |                                 | 4-6               |        |
| Bluegill        | 152         | 5.98         |         |         |                                 | 4-6               |        |
| Bluegill        | 154         | 6.06         |         |         |                                 | 6-8               | 4      |
| Bluegill        | 159         | 6.26         |         |         |                                 | 6-8               |        |
| Bluegill        | 160         | 6.30         |         |         |                                 | 6-8               |        |
| Bluegill        | 160         | 6.30         |         |         |                                 | 6-8               |        |
| Channel Catfish | 602         | 23.70        |         |         | PHOTOS                          | 18+               | 1      |

|                 |     |       |   |     |            |       |   |
|-----------------|-----|-------|---|-----|------------|-------|---|
| Green Sunfish   | 175 | 6.89  |   |     |            | 6-8   | 1 |
| Largemouth Bass |     | 0.00  | 1 | 700 | JUMPED OUT |       |   |
| Largemouth Bass | 74  | 2.91  |   |     |            | 2-4   | 1 |
| Largemouth Bass | 119 | 4.69  |   |     |            | 4-6   | 1 |
| Largemouth Bass | 166 | 6.54  |   |     |            | 6-8   | 2 |
| Largemouth Bass | 168 | 6.61  |   |     |            | 6-8   |   |
| Largemouth Bass | 229 | 9.02  |   |     |            | 8-10  | 4 |
| Largemouth Bass | 239 | 9.41  |   |     |            | 8-10  |   |
| Largemouth Bass | 246 | 9.69  |   |     |            | 8-10  |   |
| Largemouth Bass | 251 | 9.88  |   |     |            | 8-10  |   |
| Largemouth Bass | 260 | 10.24 |   |     |            | 10-12 | 7 |
| Largemouth Bass | 261 | 10.28 |   |     |            | 10-12 |   |
| Largemouth Bass | 270 | 10.63 |   |     |            | 10-12 |   |
| Largemouth Bass | 275 | 10.83 |   |     |            | 10-12 |   |
| Largemouth Bass | 291 | 11.46 |   |     |            | 10-12 |   |
| Largemouth Bass | 291 | 11.46 |   |     |            | 10-12 |   |
| Largemouth Bass | 295 | 11.61 |   |     |            | 10-12 |   |
| Largemouth Bass | 377 | 14.84 |   |     |            | 14-16 | 1 |
| Yellow Bullhead | 233 | 9.17  |   |     |            | 8-10  | 1 |
| Yellow Bullhead | 270 | 10.63 |   |     |            | 10-12 | 1 |

| <u>Species</u>  | <u>Ind. Measured</u> | <u>Plus Count</u> | <u>Total</u> |
|-----------------|----------------------|-------------------|--------------|
| Bluegill        | 42                   | 98                | 140          |
| Largemouth Bass | 16                   | 1                 | 17           |

Table X. Length Frequency Distributions of Fish Collected in Springledge Lake, 11 October 2022.

| Length<br>(inches) | Yellow Bullhead |       | Channel Catfish |       | Green Sunfish |       | Bluegill |       | Largemouth Bass |       | Black Crappie |       |
|--------------------|-----------------|-------|-----------------|-------|---------------|-------|----------|-------|-----------------|-------|---------------|-------|
|                    | No.             | %     | No.             | %     | No.           | %     | No.      | %     | No.             | %     | No.           | %     |
| 1-2"               | --              | --    | --              | --    | --            | --    | 3        | 7.1   | --              | --    | --            | --    |
| 2-4"               | --              | --    | --              | --    | --            | --    | 14       | 33.3  | 1               | 6.25  | 1             | 14.3  |
| 4-6"               | --              | --    | --              | --    | --            | --    | 21       | 50.0  | 1               | 6.25  | --            | --    |
| 6-8"               | --              | --    | --              | --    | --            | --    | 4        | 9.5   | 2               | 12.5  | 6             | 85.7  |
| 8-10"              | 1               | 50.0  | --              | --    | 1             | 100.0 | --       | --    | 4               | 25.0  | --            | --    |
| 10-12"             | 1               | 50.0  | --              | --    | --            | --    | --       | --    | 7               | 43.8  | --            | --    |
| 12-14"             | --              | --    | --              | --    | --            | --    | --       | --    | --              | --    | --            | --    |
| 14-16"             | --              | --    | --              | --    | --            | --    | --       | --    | 1               | 6.25  | --            | --    |
| 16-18"             | --              | --    | --              | --    | --            | --    | --       | --    | --              | --    | --            | --    |
| 18"+               | --              | --    | 1               | 100.0 | --            | --    | --       | --    | --              | --    | --            | --    |
| Total              | 2               | 100.0 | 1               | 100.0 | 1             | 100.0 | 42       | 100.0 | 16              | 100.0 | 7             | 100.0 |

Level C-Fish Data, Potomac Lake

| SPECIES       | LENGTH (mm) | Length (in.) | PLUSCNT | BATCHWT | REMARKS (ALL CAPS; 25 char max) | Length Group (in.) | Number |
|---------------|-------------|--------------|---------|---------|---------------------------------|--------------------|--------|
| Black Crappie | 128         | 5.0          |         |         |                                 | 4-6                | 4      |
| Black Crappie | 133         | 5.2          |         |         |                                 | 4-6                |        |
| Black Crappie | 134         | 5.3          |         |         |                                 | 4-6                |        |
| Black Crappie | 135         | 5.3          |         |         |                                 | 4-6                |        |
| Black Crappie | 155         | 6.1          |         |         |                                 | 6-8                | 6      |
| Black Crappie | 157         | 6.2          |         |         |                                 | 6-8                |        |
| Black Crappie | 165         | 6.5          |         |         |                                 | 6-8                |        |
| Black Crappie | 167         | 6.6          |         |         |                                 | 6-8                |        |
| Black Crappie | 190         | 7.5          |         |         |                                 | 6-8                |        |
| Black Crappie | 195         | 7.7          |         |         |                                 | 6-8                | 6      |
| Black Crappie | 202         | 8.0          |         |         |                                 | 8-10               |        |
| Black Crappie | 205         | 8.1          |         |         |                                 | 8-10               |        |
| Black Crappie | 214         | 8.4          |         |         |                                 | 8-10               |        |
| Black Crappie | 214         | 8.4          |         |         |                                 | 8-10               |        |
| Black Crappie | 235         | 9.3          |         |         |                                 | 8-10               |        |
| Black Crappie | 240         | 9.4          |         |         |                                 | 8-10               | 1      |
| Black Crappie | 262         | 10.3         |         |         |                                 | 10-12              |        |
| Bluegill      |             | 0.0          | 11      | 130     | LR 35-105 mm                    |                    |        |
| Bluegill      |             | 0.0          | 13      | 200     | LR 36-127 mm                    |                    |        |
| Bluegill      | 25          | 1.0          |         |         |                                 | 1-2                | 4      |
| Bluegill      | 39          | 1.5          |         |         |                                 | 1-2                |        |
| Bluegill      | 39          | 1.5          |         |         |                                 | 1-2                |        |
| Bluegill      | 48          | 1.9          |         |         |                                 | 1-2                |        |
| Bluegill      | 71          | 2.8          |         |         |                                 | 2-4                | 18     |
| Bluegill      | 75          | 3.0          |         |         |                                 | 2-4                |        |
| Bluegill      | 80          | 3.1          |         |         |                                 | 2-4                |        |
| Bluegill      | 81          | 3.2          |         |         |                                 | 2-4                |        |
| Bluegill      | 83          | 3.3          |         |         |                                 | 2-4                |        |
| Bluegill      | 84          | 3.3          |         |         |                                 | 2-4                |        |
| Bluegill      | 85          | 3.3          |         |         |                                 | 2-4                |        |
| Bluegill      | 87          | 3.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 88          | 3.5          |         |         |                                 | 2-4                |        |
| Bluegill      | 89          | 3.5          |         |         |                                 | 2-4                |        |
| Bluegill      | 90          | 3.5          |         |         |                                 | 2-4                |        |
| Bluegill      | 91          | 3.6          |         |         |                                 | 2-4                |        |
| Bluegill      | 93          | 3.7          |         |         |                                 | 2-4                |        |
| Bluegill      | 96          | 3.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 96          | 3.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 99          | 3.9          |         |         |                                 | 2-4                | 18     |
| Bluegill      | 99          | 3.9          |         |         |                                 | 2-4                |        |
| Bluegill      | 101         | 4.0          |         |         |                                 | 4-6                |        |
| Bluegill      | 101         | 4.0          |         |         |                                 | 4-6                |        |
| Bluegill      | 101         | 4.0          |         |         |                                 | 4-6                |        |
| Bluegill      | 105         | 4.1          |         |         |                                 | 4-6                |        |
| Bluegill      | 106         | 4.2          |         |         |                                 | 4-6                |        |
| Bluegill      | 108         | 4.3          |         |         |                                 | 4-6                |        |
| Bluegill      | 109         | 4.3          |         |         |                                 | 4-6                |        |
| Bluegill      | 111         | 4.4          |         |         |                                 | 4-6                |        |
| Bluegill      | 114         | 4.5          |         |         |                                 | 4-6                |        |
| Bluegill      | 115         | 4.5          |         |         |                                 | 4-6                |        |
| Bluegill      | 118         | 4.6          |         |         |                                 | 4-6                |        |
| Bluegill      | 119         | 4.7          |         |         |                                 | 4-6                |        |
| Bluegill      | 120         | 4.7          |         |         |                                 | 4-6                |        |

|               |     |     |     |      |              |     |    |
|---------------|-----|-----|-----|------|--------------|-----|----|
| Bluegill      | 122 | 4.8 |     |      |              | 4-6 |    |
| Bluegill      | 125 | 4.9 |     |      |              | 4-6 |    |
| Bluegill      | 126 | 5.0 |     |      |              | 4-6 |    |
| Bluegill      | 126 | 5.0 |     |      |              | 4-6 |    |
| Bluegill      | 129 | 5.1 |     |      |              | 4-6 |    |
| Bluegill      | 193 | 7.6 |     |      |              | 6-8 | 1  |
| Bluegill      |     |     | 4   | 50   | LR 37-112 mm |     |    |
| Green Sunfish |     | 0.0 | 56  | 1660 | LR 70-125 mm |     |    |
| Green Sunfish |     | 0.0 | 96  | 1775 | LR 75-136 mm |     |    |
| Green Sunfish |     | 0.0 | 111 | 1900 | LR 77-128 mm |     |    |
| Green Sunfish |     | 0.0 | 2   | 18   |              |     |    |
| Green Sunfish |     | 0.0 | 1   | 6    |              |     |    |
| Green Sunfish |     | 0.0 | 48  | 970  | LR 60-136 mm |     |    |
| Green Sunfish | 30  | 1.2 |     |      |              | 1-2 | 1  |
| Green Sunfish | 65  | 2.6 |     |      |              | 2-4 |    |
| Green Sunfish | 67  | 2.6 |     |      |              | 2-4 |    |
| Green Sunfish | 71  | 2.8 |     |      |              | 2-4 |    |
| Green Sunfish | 72  | 2.8 |     |      |              | 2-4 |    |
| Green Sunfish | 74  | 2.9 |     |      |              | 2-4 |    |
| Green Sunfish | 75  | 3.0 |     |      |              | 2-4 |    |
| Green Sunfish | 84  | 3.3 |     |      |              | 2-4 |    |
| Green Sunfish | 85  | 3.3 |     |      |              | 2-4 |    |
| Green Sunfish | 87  | 3.4 |     |      |              | 2-4 |    |
| Green Sunfish | 89  | 3.5 |     |      |              | 2-4 |    |
| Green Sunfish | 90  | 3.5 |     |      |              | 2-4 | 19 |
| Green Sunfish | 93  | 3.7 |     |      |              | 2-4 |    |
| Green Sunfish | 94  | 3.7 |     |      |              | 2-4 |    |
| Green Sunfish | 96  | 3.8 |     |      |              | 2-4 |    |
| Green Sunfish | 96  | 3.8 |     |      |              | 2-4 |    |
| Green Sunfish | 97  | 3.8 |     |      |              | 2-4 |    |
| Green Sunfish | 99  | 3.9 |     |      |              | 2-4 |    |
| Green Sunfish | 99  | 3.9 |     |      |              | 2-4 |    |
| Green Sunfish | 100 | 3.9 |     |      |              | 2-4 |    |
| Green Sunfish | 101 | 4.0 |     |      |              | 4-6 |    |
| Green Sunfish | 104 | 4.1 |     |      |              | 4-6 |    |
| Green Sunfish | 105 | 4.1 |     |      |              | 4-6 |    |
| Green Sunfish | 106 | 4.2 |     |      |              | 4-6 |    |
| Green Sunfish | 106 | 4.2 |     |      |              | 4-6 |    |
| Green Sunfish | 108 | 4.3 |     |      |              | 4-6 |    |
| Green Sunfish | 109 | 4.3 |     |      |              | 4-6 |    |
| Green Sunfish | 112 | 4.4 |     |      |              | 4-6 |    |
| Green Sunfish | 115 | 4.5 |     |      |              | 4-6 |    |
| Green Sunfish | 115 | 4.5 |     |      |              | 4-6 |    |
| Green Sunfish | 117 | 4.6 |     |      |              | 4-6 | 20 |
| Green Sunfish | 118 | 4.6 |     |      |              | 4-6 |    |
| Green Sunfish | 120 | 4.7 |     |      |              | 4-6 |    |
| Green Sunfish | 123 | 4.8 |     |      |              | 4-6 |    |
| Green Sunfish | 124 | 4.9 |     |      |              | 4-6 |    |
| Green Sunfish | 126 | 5.0 |     |      |              | 4-6 |    |
| Green Sunfish | 129 | 5.1 |     |      |              | 4-6 |    |
| Green Sunfish | 133 | 5.2 |     |      |              | 4-6 |    |
| Green Sunfish | 140 | 5.5 |     |      |              | 4-6 |    |
| Green Sunfish | 145 | 5.7 |     |      |              | 4-6 |    |
| Green Sunfish | 165 | 6.5 |     |      | FAT          | 6-8 | 1  |
| Green Sunfish |     |     | 13  | 200  | LR 76-107 mm |     |    |

|                 |     |      |  |  |  |       |   |
|-----------------|-----|------|--|--|--|-------|---|
| Lepomis Hybrid  | 77  | 3.0  |  |  |  | 2-4   | 2 |
| Lepomis Hybrid  | 88  | 3.5  |  |  |  | 2-4   |   |
| Yellow Bullhead | 254 | 10.0 |  |  |  | 10-12 | 1 |

| <u>Species</u> | <u>Ind. Measured</u> | <u>Plus Count</u> | <u>Total</u> |
|----------------|----------------------|-------------------|--------------|
| Bluegill       | 41                   | 28                | 69           |
| Green Sunfish  | 41                   | 327               | 368          |

Table X. Length Frequency Distributions of Fish Collected in Potomac Lake, 10 October 2022.

| Length<br>(inches) | Yellow Bullhead |       | Green Sunfish |       | Bluegill |       | Black Crappie |       |
|--------------------|-----------------|-------|---------------|-------|----------|-------|---------------|-------|
|                    | No.             | %     | No.           | %     | No.      | %     | No.           | %     |
| 1-2"               | --              | --    | 1             | 2.4   | 4        | 9.8   | --            | --    |
| 2-4"               | --              | --    | 19            | 46.3  | 18       | 43.9  | --            | --    |
| 4-6"               | --              | --    | 20            | 48.8  | 18       | 43.9  | 4             | 23.5  |
| 6-8"               | --              | --    | 1             | 2.4   | 1        | 2.4   | 6             | 35.3  |
| 8-10"              | --              | --    | --            | --    | --       | --    | 6             | 35.3  |
| 10-12"             | 1               | 100.0 | --            | --    | --       | --    | 1             | 5.9   |
| 12-14"             | --              | --    | --            | --    | --       | --    | --            | --    |
| 14-16"             | --              | --    | --            | --    | --       | --    | --            | --    |
| 16-18"             | --              | --    | --            | --    | --       | --    | --            | --    |
| 18"+               | --              | --    | --            | --    | --       | --    | --            | --    |
| Total              | 1               | 100.0 | 41            | 100.0 | 41       | 100.0 | 17            | 100.0 |

Level C-Fish Data, Waterford Lake

| SPECIES       | LENGTH (mm) | LENGTH (in.) | PLUSCNT | BATCHWT | REMARKS (ALL CAPS; 25 char max) | LENGTH GROUP (in.) | Number |
|---------------|-------------|--------------|---------|---------|---------------------------------|--------------------|--------|
| Black Crappie | 151         | 5.9          |         |         |                                 | 4-6                | 1      |
| Black Crappie | 154         | 6.1          |         |         |                                 | 6-8                | 11     |
| Black Crappie | 155         | 6.1          |         |         |                                 | 6-8                |        |
| Black Crappie | 159         | 6.3          |         |         |                                 | 6-8                |        |
| Black Crappie | 161         | 6.3          |         |         |                                 | 6-8                |        |
| Black Crappie | 178         | 7.0          |         |         |                                 | 6-8                |        |
| Black Crappie | 181         | 7.1          |         |         |                                 | 6-8                |        |
| Black Crappie | 182         | 7.2          |         |         |                                 | 6-8                |        |
| Black Crappie | 182         | 7.2          |         |         |                                 | 6-8                |        |
| Black Crappie | 184         | 7.2          |         |         |                                 | 6-8                |        |
| Black Crappie | 185         | 7.3          |         |         |                                 | 6-8                |        |
| Black Crappie | 193         | 7.6          |         |         |                                 | 6-8                |        |
| Black Crappie | 205         | 8.1          |         |         |                                 | 8-10               | 2      |
| Black Crappie | 219         | 8.6          |         |         |                                 | 8-10               |        |
| Bluegill      |             | 0.0          | 26      | 390     | LR 60-126 mm                    |                    |        |
| Bluegill      |             | 0.0          | 5       | 40      | LR 61-89 mm                     |                    |        |
| Bluegill      |             | 0.0          | 58      | 1400    | LR 66-156 mm                    |                    |        |
| Bluegill      |             | 0.0          | 8       | 215     | LR 59-168 mm                    |                    |        |
| Bluegill      |             | 0.0          | 24      | 520     | LR 66-126 mm                    |                    |        |
| Bluegill      |             | 0.0          | 24      | 600     | LR 46-188 mm                    |                    |        |
| Bluegill      |             | 0.0          | 6       | 140     | LR 72-117 mm                    |                    |        |
| Bluegill      | 46          | 1.8          |         |         |                                 | 1-2                | 1      |
| Bluegill      | 60          | 2.4          |         |         |                                 | 2-4                | 14     |
| Bluegill      | 62          | 2.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 64          | 2.5          |         |         |                                 | 2-4                |        |
| Bluegill      | 65          | 2.6          |         |         |                                 | 2-4                |        |
| Bluegill      | 68          | 2.7          |         |         |                                 | 2-4                |        |
| Bluegill      | 70          | 2.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 71          | 2.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 83          | 3.3          |         |         |                                 | 2-4                |        |
| Bluegill      | 84          | 3.3          |         |         |                                 | 2-4                |        |
| Bluegill      | 84          | 3.3          |         |         |                                 | 2-4                |        |
| Bluegill      | 86          | 3.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 87          | 3.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 88          | 3.5          |         |         |                                 | 2-4                |        |
| Bluegill      | 91          | 3.6          |         |         |                                 | 2-4                |        |
| Bluegill      | 111         | 4.4          |         |         |                                 | 4-6                | 19     |
| Bluegill      | 113         | 4.4          |         |         |                                 | 4-6                |        |
| Bluegill      | 115         | 4.5          |         |         |                                 | 4-6                |        |
| Bluegill      | 116         | 4.6          |         |         |                                 | 4-6                |        |
| Bluegill      | 117         | 4.6          |         |         |                                 | 4-6                |        |
| Bluegill      | 117         | 4.6          |         |         |                                 | 4-6                |        |
| Bluegill      | 118         | 4.6          |         |         |                                 | 4-6                |        |
| Bluegill      | 119         | 4.7          |         |         |                                 | 4-6                |        |
| Bluegill      | 119         | 4.7          |         |         |                                 | 4-6                |        |
| Bluegill      | 122         | 4.8          |         |         |                                 | 4-6                |        |
| Bluegill      | 128         | 5.0          |         |         |                                 | 4-6                |        |
| Bluegill      | 130         | 5.1          |         |         |                                 | 4-6                |        |
| Bluegill      | 131         | 5.2          |         |         |                                 | 4-6                |        |
| Bluegill      | 139         | 5.5          |         |         |                                 | 4-6                |        |
| Bluegill      | 145         | 5.7          |         |         |                                 | 4-6                |        |
| Bluegill      | 145         | 5.7          |         |         |                                 | 4-6                |        |
| Bluegill      | 149         | 5.9          |         |         |                                 | 4-6                |        |
| Bluegill      | 151         | 5.9          |         |         |                                 | 4-6                |        |
| Bluegill      | 151         | 5.9          |         |         |                                 | 4-6                |        |
| Bluegill      | 153         | 6.0          |         |         |                                 | 6-8                |        |



|                 |     |      |    |     |                  |       |    |
|-----------------|-----|------|----|-----|------------------|-------|----|
| Bluegill        | 154 | 6.1  |    |     |                  | 6-8   | 8  |
| Bluegill        | 154 | 6.1  |    |     |                  | 6-8   |    |
| Bluegill        | 155 | 6.1  |    |     |                  | 6-8   |    |
| Bluegill        | 156 | 6.1  |    |     |                  | 6-8   |    |
| Bluegill        | 165 | 6.5  |    |     |                  | 6-8   |    |
| Bluegill        | 170 | 6.7  |    |     |                  | 6-8   |    |
| Bluegill        | 178 | 7.0  |    |     |                  | 6-8   |    |
| Green Sunfish   | 125 | 4.9  |    |     |                  | 4-6   | 1  |
| Largemouth Bass |     | 0.0  | 8  | 280 | LR 134-153 mm    |       |    |
| Largemouth Bass |     | 0.0  | 1  | 29  |                  |       |    |
| Largemouth Bass |     | 0.0  | 1  | 25  |                  |       |    |
| Largemouth Bass |     | 0.0  | 4  | 130 | LR 121-155 mm    |       |    |
| Largemouth Bass |     | 0.0  | 5  | 300 | LR 141-213 mm    |       |    |
| Largemouth Bass |     | 0.0  | 1  | 49  |                  |       |    |
| Largemouth Bass |     | 0.0  | 1  | 30  |                  |       |    |
| Largemouth Bass |     | 0.0  | 5  | 240 | LR 134-203 mm    |       |    |
| Largemouth Bass |     | 0.0  | 13 | 410 | LR 110-165 mm    |       |    |
| Largemouth Bass |     | 0.0  | 20 | 705 | LR 80-185 mm     |       |    |
| Largemouth Bass |     | 0.0  | 5  | 125 | LR 101-153 mm    |       |    |
| Largemouth Bass |     | 0.0  | 10 | 260 | LR 88-150 mm     |       |    |
| Largemouth Bass | 86  | 3.4  |    |     |                  | 2-4   | 3  |
| Largemouth Bass | 88  | 3.5  |    |     |                  | 2-4   |    |
| Largemouth Bass | 94  | 3.7  |    |     |                  | 2-4   |    |
| Largemouth Bass | 120 | 4.7  |    |     |                  | 4-6   | 10 |
| Largemouth Bass | 135 | 5.3  |    |     |                  | 4-6   |    |
| Largemouth Bass | 140 | 5.5  |    |     |                  | 4-6   |    |
| Largemouth Bass | 141 | 5.6  |    |     |                  | 4-6   |    |
| Largemouth Bass | 142 | 5.6  |    |     |                  | 4-6   |    |
| Largemouth Bass | 145 | 5.7  |    |     |                  | 4-6   |    |
| Largemouth Bass | 145 | 5.7  |    |     |                  | 4-6   |    |
| Largemouth Bass | 146 | 5.7  |    |     |                  | 4-6   |    |
| Largemouth Bass | 149 | 5.9  |    |     |                  | 4-6   |    |
| Largemouth Bass | 151 | 5.9  |    |     |                  | 4-6   |    |
| Largemouth Bass | 165 | 6.5  |    |     |                  | 6-8   | 7  |
| Largemouth Bass | 174 | 6.9  |    |     | LEECHES IN MOUTH | 6-8   |    |
| Largemouth Bass | 182 | 7.2  |    |     |                  | 6-8   |    |
| Largemouth Bass | 188 | 7.4  |    |     |                  | 6-8   |    |
| Largemouth Bass | 196 | 7.7  |    |     |                  | 6-8   |    |
| Largemouth Bass | 196 | 7.7  |    |     |                  | 6-8   |    |
| Largemouth Bass | 197 | 7.8  |    |     |                  | 6-8   |    |
| Largemouth Bass | 218 | 8.6  |    |     |                  | 8-10  | 3  |
| Largemouth Bass | 230 | 9.1  |    |     |                  | 8-10  |    |
| Largemouth Bass | 232 | 9.1  |    |     |                  | 8-10  |    |
| Largemouth Bass | 301 | 11.9 |    |     |                  | 10-12 | 1  |
| Largemouth Bass | 306 | 12.0 |    |     |                  | 12-14 | 8  |
| Largemouth Bass | 329 | 13.0 |    |     |                  | 12-14 |    |
| Largemouth Bass | 330 | 13.0 |    |     |                  | 12-14 |    |
| Largemouth Bass | 333 | 13.1 |    |     |                  | 12-14 |    |
| Largemouth Bass | 335 | 13.2 |    |     |                  | 12-14 |    |
| Largemouth Bass | 335 | 13.2 |    |     |                  | 12-14 |    |
| Largemouth Bass | 340 | 13.4 |    |     |                  | 12-14 |    |
| Largemouth Bass | 348 | 13.7 |    |     |                  | 12-14 |    |
| Largemouth Bass | 355 | 14.0 |    |     |                  | 14-16 | 3  |
| Largemouth Bass | 390 | 15.4 |    |     |                  | 14-16 |    |
| Largemouth Bass | 405 | 15.9 |    |     |                  | 14-16 |    |
| Largemouth Bass | 415 | 16.3 |    |     |                  | 16-18 | 4  |
| Largemouth Bass | 420 | 16.5 |    |     |                  | 16-18 |    |
| Largemouth Bass | 435 | 17.1 |    |     |                  | 16-18 |    |

|                   |      |      |  |  |  |       |   |
|-------------------|------|------|--|--|--|-------|---|
| Largemouth Bass   | 440  | 17.3 |  |  |  | 16-18 |   |
| Largemouth Bass   | 466  | 18.3 |  |  |  | 18+   | 1 |
| Lepomis Hybrid    | 159  | 6.3  |  |  |  | 6-8   | 1 |
| Tiger Muskellunge | 990  | 39.0 |  |  |  | 18+   | 2 |
| Tiger Muskellunge | 1020 | 40.2 |  |  |  | 18+   |   |
| Yellow Bullhead   | 150  | 5.9  |  |  |  | 6-8   | 2 |
| Yellow Bullhead   | 199  | 7.8  |  |  |  | 6-8   |   |
| Yellow Bullhead   | 208  | 8.2  |  |  |  | 8-10  | 9 |
| Yellow Bullhead   | 213  | 8.4  |  |  |  | 8-10  |   |
| Yellow Bullhead   | 214  | 8.4  |  |  |  | 8-10  |   |
| Yellow Bullhead   | 217  | 8.5  |  |  |  | 8-10  |   |
| Yellow Bullhead   | 221  | 8.7  |  |  |  | 8-10  |   |
| Yellow Bullhead   | 230  | 9.1  |  |  |  | 8-10  |   |
| Yellow Bullhead   | 237  | 9.3  |  |  |  | 8-10  |   |
| Yellow Bullhead   | 238  | 9.4  |  |  |  | 8-10  |   |
| Yellow Bullhead   | 248  | 9.8  |  |  |  | 8-10  |   |

| <u>Species</u>  | <u>Ind. Measured</u> | <u>Plus Count</u> | <u>Total</u> |
|-----------------|----------------------|-------------------|--------------|
| Bluegill        | 42                   | 151               | 193          |
| Largemouth Bass | 40                   | 74                | 114          |

Table X. Length Frequency Distributions of Fish Collected in Waterford Lake, 10 October 2022.

| Length<br>(inches) | Yellow Bullhead |       | Tiger Muskellunge |       | Green Sunfish |       | Bluegill |       | Largemouth Bass |       | Black Crappie |       |
|--------------------|-----------------|-------|-------------------|-------|---------------|-------|----------|-------|-----------------|-------|---------------|-------|
|                    | No.             | %     | No.               | %     | No.           | %     | No.      | %     | No.             | %     | No.           | %     |
| 1-2"               | --              | --    | --                | --    | --            | --    | 1        | 2.4   | --              | --    | --            | --    |
| 2-4"               | --              | --    | --                | --    | --            | --    | 14       | 33.3  | 3               | 7.5   | --            | --    |
| 4-6"               | --              | --    | --                | --    | 1             | 100   | 19       | 45.2  | 10              | 25.0  | 1             | 7.1   |
| 6-8"               | 2               | 18.2  | --                | --    | --            | --    | 8        | 19.0  | 7               | 17.5  | 11            | 78.6  |
| 8-10"              | 9               | 81.8  | --                | --    | --            | --    | --       | --    | 3               | 7.5   | 2             | 14.3  |
| 10-12"             | --              | --    | --                | --    | --            | --    | --       | --    | 1               | 2.5   | --            | --    |
| 12-14"             | --              | --    | --                | --    | --            | --    | --       | --    | 8               | 20.0  | --            | --    |
| 14-16"             | --              | --    | --                | --    | --            | --    | --       | --    | 3               | 7.5   | --            | --    |
| 16-18"             | --              | --    | --                | --    | --            | --    | --       | --    | 4               | 10.0  | --            | --    |
| 18"+               | --              | --    | 2                 | 100.0 | --            | --    | --       | --    | 1               | 2.5   | --            | --    |
| Total              | 11              | 100.0 | 2                 | 100.0 | 1             | 100.0 | 42       | 100.0 | 40              | 100.0 | 14            | 100.0 |

Level C-Fish Data, Lake Linden

| SPECIES       | LENGTH | LENGTH (in.) | PLUSCNT | BATCHWT | REMARKS (ALL CAPS; 25 char max) | Length Group (in.) | Number |
|---------------|--------|--------------|---------|---------|---------------------------------|--------------------|--------|
| Black Crappie | 312    | 12.3         |         |         |                                 | 12-14              | 1      |
| Bluegill      |        | 0.0          | 56      | 300     | LR 61-79 mm                     |                    |        |
| Bluegill      |        | 0.0          | 22      | 160     | LR 52-75 mm                     |                    |        |
| Bluegill      |        | 0.0          | 7       | 30      | LR 52-75 mm                     |                    |        |
| Bluegill      |        | 0.0          | 6       | 20      | LR 60-74 mm                     |                    |        |
| Bluegill      |        | 0.0          | 57      | 260     | LR 61-95 mm                     |                    |        |
| Bluegill      |        | 0.0          | 8       | 40      | LR 57-68 mm                     |                    |        |
| Bluegill      |        | 0.0          | 35      | 210     | LR 63-112 mm                    |                    |        |
| Bluegill      |        | 0.0          | 2       | 10      |                                 |                    |        |
| Bluegill      | 59     | 2.3          |         |         |                                 | 2-4                | 27     |
| Bluegill      | 60     | 2.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 60     | 2.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 62     | 2.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 62     | 2.4          |         |         |                                 | 2-4                |        |
| Bluegill      | 64     | 2.5          |         |         |                                 | 2-4                |        |
| Bluegill      | 64     | 2.5          |         |         |                                 | 2-4                |        |
| Bluegill      | 65     | 2.6          |         |         |                                 | 2-4                |        |
| Bluegill      | 67     | 2.6          |         |         |                                 | 2-4                |        |
| Bluegill      | 68     | 2.7          |         |         |                                 | 2-4                |        |
| Bluegill      | 69     | 2.7          |         |         |                                 | 2-4                |        |
| Bluegill      | 69     | 2.7          |         |         |                                 | 2-4                |        |
| Bluegill      | 70     | 2.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 70     | 2.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 73     | 2.9          |         |         |                                 | 2-4                |        |
| Bluegill      | 75     | 3.0          |         |         |                                 | 2-4                |        |
| Bluegill      | 76     | 3.0          |         |         |                                 | 2-4                |        |
| Bluegill      | 76     | 3.0          |         |         |                                 | 2-4                |        |
| Bluegill      | 80     | 3.1          |         |         |                                 | 2-4                |        |
| Bluegill      | 80     | 3.1          |         |         |                                 | 2-4                |        |
| Bluegill      | 80     | 3.1          |         |         |                                 | 2-4                |        |
| Bluegill      | 81     | 3.2          |         |         |                                 | 2-4                |        |
| Bluegill      | 97     | 3.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 97     | 3.8          |         |         |                                 | 2-4                |        |
| Bluegill      | 98     | 3.9          |         |         |                                 | 2-4                |        |
| Bluegill      | 99     | 3.9          |         |         |                                 | 2-4                |        |
| Bluegill      | 100    | 3.9          |         |         |                                 | 2-4                |        |
| Bluegill      | 102    | 4.0          |         |         |                                 | 4-6                | 12     |
| Bluegill      | 102    | 4.0          |         |         |                                 | 4-6                |        |
| Bluegill      | 113    | 4.4          |         |         |                                 | 4-6                |        |
| Bluegill      | 113    | 4.4          |         |         |                                 | 4-6                |        |
| Bluegill      | 114    | 4.5          |         |         |                                 | 4-6                |        |
| Bluegill      | 115    | 4.5          |         |         |                                 | 4-6                |        |
| Bluegill      | 117    | 4.6          |         |         |                                 | 4-6                |        |
| Bluegill      | 125    | 4.9          |         |         |                                 | 4-6                |        |
| Bluegill      | 129    | 5.1          |         |         |                                 | 4-6                |        |
| Bluegill      | 135    | 5.3          |         |         |                                 | 4-6                |        |
| Bluegill      | 135    | 5.3          |         |         |                                 | 4-6                |        |
| Bluegill      | 150    | 5.9          |         |         |                                 | 4-6                |        |
| Bluegill      | 155    | 6.1          |         |         |                                 | 6-8                | 1      |
| Green Sunfish | 75     | 3.0          |         |         |                                 | 2-4                | 5      |
| Green Sunfish | 85     | 3.3          |         |         |                                 | 2-4                |        |
| Green Sunfish | 87     | 3.4          |         |         |                                 | 2-4                |        |
| Green Sunfish | 90     | 3.5          |         |         |                                 | 2-4                |        |
| Green Sunfish | 91     | 3.6          |         |         |                                 | 2-4                |        |
| Green Sunfish | 104    | 4.1          |         |         |                                 | 4-6                | 4      |
| Green Sunfish | 105    | 4.1          |         |         |                                 | 4-6                |        |

|                 |     |      |   |      |               |       |    |
|-----------------|-----|------|---|------|---------------|-------|----|
| Green Sunfish   | 109 | 4.3  |   |      |               | 4-6   |    |
| Green Sunfish   | 115 | 4.5  |   |      |               | 4-6   |    |
| Largemouth Bass |     | 0.0  | 5 | 2005 | LR 279-340 mm |       |    |
| Largemouth Bass |     | 0.0  | 4 | 1670 | LR 279-340 mm |       |    |
| Largemouth Bass |     | 0.0  | 4 | 1590 | LR 279-340 mm |       |    |
| Largemouth Bass |     | 0.0  | 2 | 720  | LR 279-340 mm |       |    |
| Largemouth Bass |     | 0.0  | 3 | 1090 | LR 279-340 mm |       |    |
| Largemouth Bass |     | 0.0  | 1 | 375  |               |       |    |
| Largemouth Bass | 246 | 9.7  |   |      |               | 8-10  | 1  |
| Largemouth Bass | 266 | 10.5 |   |      |               | 10-12 | 15 |
| Largemouth Bass | 275 | 10.8 |   |      |               | 10-12 |    |
| Largemouth Bass | 275 | 10.8 |   |      |               | 10-12 |    |
| Largemouth Bass | 276 | 10.9 |   |      |               | 10-12 |    |
| Largemouth Bass | 280 | 11.0 |   |      |               | 10-12 |    |
| Largemouth Bass | 282 | 11.1 |   |      |               | 10-12 |    |
| Largemouth Bass | 282 | 11.1 |   |      |               | 10-12 |    |
| Largemouth Bass | 282 | 11.1 |   |      |               | 10-12 |    |
| Largemouth Bass | 286 | 11.3 |   |      |               | 10-12 |    |
| Largemouth Bass | 294 | 11.6 |   |      |               | 10-12 |    |
| Largemouth Bass | 294 | 11.6 |   |      |               | 10-12 |    |
| Largemouth Bass | 298 | 11.7 |   |      |               | 10-12 |    |
| Largemouth Bass | 298 | 11.7 |   |      |               | 10-12 |    |
| Largemouth Bass | 301 | 11.9 |   |      |               | 10-12 |    |
| Largemouth Bass | 303 | 11.9 |   |      |               | 10-12 |    |
| Largemouth Bass | 306 | 12.0 |   |      |               | 12-14 | 21 |
| Largemouth Bass | 306 | 12.0 |   |      |               | 12-14 |    |
| Largemouth Bass | 307 | 12.1 |   |      |               | 12-14 |    |
| Largemouth Bass | 307 | 12.1 |   |      |               | 12-14 |    |
| Largemouth Bass | 307 | 12.1 |   |      |               | 12-14 |    |
| Largemouth Bass | 309 | 12.2 |   |      |               | 12-14 |    |
| Largemouth Bass | 310 | 12.2 |   |      |               | 12-14 |    |
| Largemouth Bass | 310 | 12.2 |   |      |               | 12-14 |    |
| Largemouth Bass | 310 | 12.2 |   |      |               | 12-14 |    |
| Largemouth Bass | 311 | 12.2 |   |      |               | 12-14 |    |
| Largemouth Bass | 312 | 12.3 |   |      |               | 12-14 |    |
| Largemouth Bass | 313 | 12.3 |   |      |               | 12-14 |    |
| Largemouth Bass | 314 | 12.4 |   |      |               | 12-14 |    |
| Largemouth Bass | 321 | 12.6 |   |      |               | 12-14 |    |
| Largemouth Bass | 325 | 12.8 |   |      |               | 12-14 |    |
| Largemouth Bass | 327 | 12.9 |   |      |               | 12-14 |    |
| Largemouth Bass | 335 | 13.2 |   |      |               | 12-14 |    |
| Largemouth Bass | 336 | 13.2 |   |      |               | 12-14 |    |
| Largemouth Bass | 344 | 13.5 |   |      |               | 12-14 |    |
| Largemouth Bass | 344 | 13.5 |   |      |               | 12-14 |    |
| Largemouth Bass | 347 | 13.7 |   |      |               | 12-14 |    |
| Largemouth Bass | 363 | 14.3 |   |      |               | 14-16 | 3  |
| Largemouth Bass | 383 | 15.1 |   |      |               | 14-16 |    |
| Largemouth Bass | 394 | 15.5 |   |      |               | 14-16 |    |
| Largemouth Bass | 419 | 16.5 |   |      |               | 16-18 | 1  |
| Lepomis Hybrid  | 71  | 2.8  |   |      |               | 2-4   | 2  |
| Lepomis Hybrid  | 93  | 3.7  |   |      |               | 2-4   |    |
| Lepomis Hybrid  | 109 | 4.3  |   |      |               | 4-6   | 5  |
| Lepomis Hybrid  | 110 | 4.3  |   |      |               | 4-6   |    |
| Lepomis Hybrid  | 115 | 4.5  |   |      |               | 4-6   |    |
| Lepomis Hybrid  | 116 | 4.6  |   |      |               | 4-6   |    |
| Lepomis Hybrid  | 125 | 4.9  |   |      |               | 4-6   |    |
| Lepomis Hybrid  | 170 | 6.7  |   |      |               | 6-8   | 1  |
| Pumpkinseed     |     | 0.0  | 1 | 40   |               |       |    |

|                 |     |     |   |    |             |      |    |
|-----------------|-----|-----|---|----|-------------|------|----|
| Pumpkinseed     |     | 0.0 | 1 | 27 |             |      |    |
| Pumpkinseed     |     | 0.0 | 1 | 13 | LR 70-80 mm |      |    |
| Pumpkinseed     |     | 0.0 | 1 | 8  | LR 70-80 mm |      |    |
| Pumpkinseed     |     | 0.0 | 1 | 8  | LR 70-80 mm |      |    |
| Pumpkinseed     |     | 0.0 | 1 | 12 |             |      |    |
| Pumpkinseed     |     | 0.0 | 1 | 9  |             |      |    |
| Pumpkinseed     | 65  | 2.6 |   |    |             | 2-4  | 18 |
| Pumpkinseed     | 67  | 2.6 |   |    |             | 2-4  |    |
| Pumpkinseed     | 69  | 2.7 |   |    |             | 2-4  |    |
| Pumpkinseed     | 73  | 2.9 |   |    |             | 2-4  |    |
| Pumpkinseed     | 78  | 3.1 |   |    |             | 2-4  |    |
| Pumpkinseed     | 81  | 3.2 |   |    |             | 2-4  |    |
| Pumpkinseed     | 81  | 3.2 |   |    |             | 2-4  |    |
| Pumpkinseed     | 81  | 3.2 |   |    |             | 2-4  |    |
| Pumpkinseed     | 85  | 3.3 |   |    |             | 2-4  |    |
| Pumpkinseed     | 86  | 3.4 |   |    |             | 2-4  |    |
| Pumpkinseed     | 90  | 3.5 |   |    |             | 2-4  |    |
| Pumpkinseed     | 90  | 3.5 |   |    |             | 2-4  |    |
| Pumpkinseed     | 90  | 3.5 |   |    |             | 2-4  |    |
| Pumpkinseed     | 91  | 3.6 |   |    |             | 2-4  |    |
| Pumpkinseed     | 96  | 3.8 |   |    |             | 2-4  |    |
| Pumpkinseed     | 96  | 3.8 |   |    |             | 2-4  |    |
| Pumpkinseed     | 97  | 3.8 |   |    |             | 2-4  |    |
| Pumpkinseed     | 100 | 3.9 |   |    |             | 2-4  |    |
| Pumpkinseed     | 102 | 4.0 |   |    |             | 4-6  | 23 |
| Pumpkinseed     | 110 | 4.3 |   |    |             | 4-6  |    |
| Pumpkinseed     | 110 | 4.3 |   |    |             | 4-6  |    |
| Pumpkinseed     | 111 | 4.4 |   |    |             | 4-6  |    |
| Pumpkinseed     | 111 | 4.4 |   |    |             | 4-6  |    |
| Pumpkinseed     | 113 | 4.4 |   |    |             | 4-6  |    |
| Pumpkinseed     | 118 | 4.6 |   |    |             | 4-6  |    |
| Pumpkinseed     | 119 | 4.7 |   |    |             | 4-6  |    |
| Pumpkinseed     | 120 | 4.7 |   |    |             | 4-6  |    |
| Pumpkinseed     | 120 | 4.7 |   |    |             | 4-6  |    |
| Pumpkinseed     | 121 | 4.8 |   |    |             | 4-6  |    |
| Pumpkinseed     | 122 | 4.8 |   |    |             | 4-6  |    |
| Pumpkinseed     | 122 | 4.8 |   |    |             | 4-6  |    |
| Pumpkinseed     | 123 | 4.8 |   |    |             | 4-6  |    |
| Pumpkinseed     | 125 | 4.9 |   |    |             | 4-6  |    |
| Pumpkinseed     | 129 | 5.1 |   |    |             | 4-6  |    |
| Pumpkinseed     | 129 | 5.1 |   |    |             | 4-6  |    |
| Pumpkinseed     | 134 | 5.3 |   |    |             | 4-6  |    |
| Pumpkinseed     | 136 | 5.4 |   |    |             | 4-6  |    |
| Pumpkinseed     | 141 | 5.6 |   |    |             | 4-6  |    |
| Pumpkinseed     | 142 | 5.6 |   |    |             | 4-6  |    |
| Pumpkinseed     | 144 | 5.7 |   |    |             | 4-6  |    |
| Pumpkinseed     | 150 | 5.9 |   |    |             | 4-6  |    |
| Pumpkinseed     | 153 | 6.0 |   |    |             | 6-8  | 3  |
| Pumpkinseed     | 159 | 6.3 |   |    |             | 6-8  |    |
| Pumpkinseed     | 165 | 6.5 |   |    |             | 6-8  |    |
| Yellow Bullhead | 162 | 6.4 |   |    |             | 6-8  | 5  |
| Yellow Bullhead | 168 | 6.6 |   |    |             | 6-8  |    |
| Yellow Bullhead | 169 | 6.7 |   |    |             | 6-8  |    |
| Yellow Bullhead | 171 | 6.7 |   |    |             | 6-8  |    |
| Yellow Bullhead | 186 | 7.3 |   |    |             | 6-8  |    |
| Yellow Bullhead | 207 | 8.1 |   |    |             | 8-10 | 5  |
| Yellow Bullhead | 208 | 8.2 |   |    |             | 8-10 |    |
| Yellow Bullhead | 208 | 8.2 |   |    |             | 8-10 |    |

|                 |     |      |  |  |       |    |
|-----------------|-----|------|--|--|-------|----|
| Yellow Bullhead | 216 | 8.5  |  |  | 8-10  | 13 |
| Yellow Bullhead | 221 | 8.7  |  |  | 8-10  |    |
| Yellow Bullhead | 225 | 8.9  |  |  | 8-10  |    |
| Yellow Bullhead | 230 | 9.1  |  |  | 8-10  |    |
| Yellow Bullhead | 233 | 9.2  |  |  | 8-10  |    |
| Yellow Bullhead | 235 | 9.3  |  |  | 8-10  |    |
| Yellow Bullhead | 237 | 9.3  |  |  | 8-10  |    |
| Yellow Bullhead | 245 | 9.6  |  |  | 8-10  |    |
| Yellow Bullhead | 245 | 9.6  |  |  | 8-10  |    |
| Yellow Bullhead | 248 | 9.8  |  |  | 8-10  |    |
| Yellow Bullhead | 256 | 10.1 |  |  | 10-12 | 8  |
| Yellow Bullhead | 257 | 10.1 |  |  | 10-12 |    |
| Yellow Bullhead | 265 | 10.4 |  |  | 10-12 |    |
| Yellow Bullhead | 274 | 10.8 |  |  | 10-12 |    |
| Yellow Bullhead | 286 | 11.3 |  |  | 10-12 |    |
| Yellow Bullhead | 291 | 11.5 |  |  | 10-12 |    |
| Yellow Bullhead | 294 | 11.6 |  |  | 10-12 |    |
| Yellow Bullhead | 295 | 11.6 |  |  | 10-12 |    |
| Yellow Bullhead | 304 | 12.0 |  |  | 12-14 | 2  |
| Yellow Bullhead | 305 | 12.0 |  |  | 12-14 |    |

| <u>Species</u>  | <u>Indiv. Measured</u> | <u>Plus Count</u> | <u>Total</u> |
|-----------------|------------------------|-------------------|--------------|
| Pumpkinseed     | 44                     | 7                 | 51           |
| Bluegill        | 40                     | 193               | 233          |
| Largemouth Bass | 41                     | 19                | 60           |

Table X. Length Frequency Distributions of Fish Collected in Linden Lake, 10 October 2022.

| Length<br>(inches) | Yellow Bullhead |       | Green Sunfish |       | Pumpkinseed |       | Bluegill |       | Largemouth Bass |       | Black Crappie |       |
|--------------------|-----------------|-------|---------------|-------|-------------|-------|----------|-------|-----------------|-------|---------------|-------|
|                    | No.             | %     | No.           | %     | No.         | %     | No.      | %     | No.             | %     | No.           | %     |
| 1-2"               | --              | --    | --            | --    | --          | --    | --       | --    | --              | --    | --            | --    |
| 2-4"               | --              | --    | 5             | 55.6  | 18          | 40.9  | 27       | 67.5  | --              | --    | --            | --    |
| 4-6"               | --              | --    | 4             | 44.4  | 23          | 52.3  | 12       | 30.0  | --              | --    | --            | --    |
| 6-8"               | 5               | 17.9  | --            | --    | 3           | 6.8   | 1        | 2.5   | --              | --    | --            | --    |
| 8-10"              | 13              | 46.4  | --            | --    | --          | --    | --       | --    | 1               | 2.4   | --            | --    |
| 10-12"             | 8               | 28.6  | --            | --    | --          | --    | --       | --    | 15              | 36.6  | --            | --    |
| 12-14"             | 2               | 7.1   | --            | --    | --          | --    | --       | --    | 21              | 51.2  | 1             | 100   |
| 14-16"             | --              | --    | --            | --    | --          | --    | --       | --    | 3               | 7.3   | --            | --    |
| 16-18"             | --              | --    | --            | --    | --          | --    | --       | --    | 1               | 2.4   | --            | --    |
| 18"+               | --              | --    | --            | --    | --          | --    | --       | --    | --              | --    | --            | --    |
| Total              | 28              | 100.0 | 9             | 100.0 | 44          | 100.0 | 40       | 100.0 | 41              | 100.0 | 1             | 100.0 |