

**LAKE LEMON CONSERVANCY DISTRICT**

Board of Directors Meeting

Zoom Digital Format

April 22<sup>nd</sup>, 2021

6:00 p.m.

**The April 22<sup>nd</sup>, 2021 Board of Directors Meeting of the Lake Lemon Conservancy District was Held remotely using Zoom and was called to order by Chairman Pam Dugan at 6:00 PM.**

**BOARD MEMBERS PRESENT: Chairman-Pam Dugan, Vice-Chairman Mary Jane Brown, Treasurer Debra Ladyman, Michael Klitzing, Steve Priddy, Les Wadzinski, Mike Blackwell. ALSO PRESENT: Adam Casey, District Manager, Alex Snooks, Operations Supervisor; IU Water Testing Sara Powers; LLCD Freeholders (see attached sign-in sheet).**

I. Call Meeting to Order / Chairman's Remarks (Dugan)

II. Public Comment

- a. Comments were received from Susan Salmon, Frank Van Overmeiren, Michael Kafoure, Steve Langbeen, Ann Wroblewski, Jason McAuley, and Steve Sims. To view the comments and listen to any response from the Board, please see the YouTube Video on the Lake Lemon Conservancy District channel.

III. Approval of the March 25<sup>th</sup>, 2021 Board Meeting Minutes.

- a. Dugan requested approval of the March 25<sup>th</sup>, 2021 Board Meeting Minutes.

**BROWN MOTIONED TO APPROVE THE MARCH 25<sup>TH</sup>, 2021 BOARD MEETING MINUTES WITH CORRECTIONS. KLITZING SECONDED THE MOTION. ALL "AYES". LADYMAN ABSTAINS. THE MOTION CARRIED.**

IV. Indiana University – Water Testing

- a. Sara Powers gave a presentation recapping the IU Water Testing of Lake Lemon from 2020.
  - i. Highlights include Biweekly harmful algal bloom testing at the Riddle Point Beach and an August test of the Overflow Pond on the long causeway.
  - ii. See full report below for further details.
- b. Casey requested approval of the 2021 IU Water Testing agreement in the amount of \$19,027.00 which includes: weekly beach testing, biweekly beach HAB testing, and 2 full tests at 8 different sites.

**BROWN MOTIONED TO APPROVE THE 2021 IU WATER TESTING AGREEMENT IN THE AMOUNT OF \$19,027.00. KLITZING SECONDED THE MOTION. ALL "AYES". THE MOTION CARRIED.**

V. Treasurer's Report (Ladyman)

- a. February Budget Highlights
  - i. March Income: \$18,371
  - ii. March Expenditures: \$29,989
  - iii. YTD Income: \$29,811.11
  - iv. YTD Expenditures: \$166,867.49
  - v. Total Assets: \$2,463,925.55
  - vi. Liabilities: \$1,203,475.94
  - vii. Net Equity: \$1,260,449.61
- b. Ladyman requested approval of the Report of Claims for March 2021.

**KLITZING MOTIONED TO APPROVE THE REPORT OF CLAIMS: ALLOWANCE OF VOUCHERS FOR MARCH 2021. BROWN SECONDED THE MOTION. ALL "AYES". THE MOTION CARRIED.**

VI. Tunnel Road Improvement Request (Klitzing)

- a. Klitzing withdrew this request as the City of Bloomington Utilities has an easement for that road. Therefore, discussions about paving it must go through the CBU and not the LLCD.

VII. Manager's Report (Casey)

- a. Casey gave a statement from the LLCD in regards to the Public Access Counselors opinion.
  - i. Dugan stated that this issue will be spoke of no further from the board, and no public comment regarding it will be taken in any future meetings.
- b. Casey updated the Board on the Park Master Plan project updates.
  - i. LLCD staff has Opened up all of the windows and doors to the shelter house.
  - ii. The new gatehouse construction is well underway, and will have a rough inspection coming up in a week.
  - iii. The new Playground has been installed and cemented.
- c. Casey also updated the board on the Sediment Management Project.
  - i. In-House, both disposal sites have been prepped including the removal of 220 tri-axle loads of dirt given away off site.
  - ii. Both barges are on the water and operational.
- d. Casey opened the sealed bids received for the South Shore disposal site earthwork.
  - i. United Excavating came in at a total cost of \$462,413.
  - ii. Infinity Solutions came in at a total cost of \$422,947.

VIII. New Business/Correspondence

- a. Dugan stated the next board meeting will be held on May 27<sup>th</sup>, 2021 at 6:00pm with location to be determined.

IX. Adjournment

**LADYMAN MOTIONED TO ADJOURN THE APRIL 22<sup>ND</sup>, 2021 BOARD OF DIRECTORS MEETING AT 7:33 P.M. WADZINSKI SECONDED THE MOTION. ALL "AYE'S". THE MOTION CARRIED. MEETING ADJOURNED.**

**RESPECTFULLY SUBMITTED BY:**

**Alex Snooks, Operations Supervisor**

**LAKE LEMON CONSERVANCY DISTRICT**

Board of Directors Meeting

Zoom Meeting with YouTube Live Broadcast

April 22, 2021

6:00 p.m.

**AGENDA**

- I. Call Meeting to Order / Chairman's Remarks (PD)
- II. Public Comment
- III. Administrative (PD)
  - A. Approval of March 25, 2021 Board Meeting Minutes
- IV. Treasurer's Report (DL)
  - A. March 2021 Financial Highlights
  - B. March 2021 Report of Claims
- V. Tunnel Road Improvement request (MK)
- VI. Indiana University- Water testing agreement 2021/2022 (AC)
  - Sarah Powers- Indiana University
- VII. Managers' Report (AC)
  - A. Public Access Counselor- LLCD Statement
  - B. Park Master Plan: 2021 Operational/Project Updates
  - C. Sediment Management Project
    - In-House Operation Update
    - Earthwork Sealed Bid Opening
- VIII. New Business / Correspondence for Future Agenda (PD)
  - Next Board Meeting: May 27, 2021; Location TBD
- IX. Adjournment (PD)



**Lake Lemon Conservancy District**  
**Board Meeting Agenda Item**

<b>Presenter</b>	Pam Dugan, Chairman
<b>Action Requested</b>	Approve
<b>Item/Subject</b>	March 25th Board Meeting Minutes
<b>Dollar Amount</b>	N/A
<b>Meeting Date</b>	April 22nd, <b>2021</b>
<b>Summary</b>	Minutes from the Board meeting on March 25,2021
<b>Staff Recommendation</b>	Approve the March 25th, 2021 Board Meeting Minutes.

**LAKE LEMON CONSERVANCY DISTRICT**

Board of Directors Meeting

Zoom Digital Format

March 25<sup>th</sup>, 2021

6:00 p.m.

**The March 25<sup>th</sup>, 2021 Board of Directors Meeting of the Lake Lemon Conservancy District was Held remotely using Zoom and was called to order by Chairman Pam Dugan at 6:00 PM.**

**BOARD MEMBERS PRESENT: Chairman-Pam Dugan, Vice-Chairman Mary Jane Brown, Treasurer Debra Ladyman, Michael Klitzing, Debra Ladyman\*, Steve Priddy, Les Wadzinski, Mike Blackwell. ALSO PRESENT: Adam Casey, District Manager, Alex Snooks, Operations Supervisor; LLCD Freeholders (see attached sign-in sheet). Ladyman had to leave the meeting at 6:30 pm and did not vote on anything after the Financials.**

- I. Call Meeting to Order / Chairman's Remarks (Dugan)
  - II. Public Comment
    - a. Comments were received from the Gail Tala, Frank Van Overmeiren, Michael Kafoure, Rebecca Ball, Ann Wroblewski, and Steve Sims. To view the comments and listen to any response from the Board, please see the YouTube Video on the Lake Lemon Conservancy District channel.
  - III. Treasurer's Report (Ladyman)
    - a. February Budget Highlights
      - i. February Income: \$10,792
      - ii. February Expenditures: \$107,000
    - b. Ladyman requested approval of the Report of Claims for February 2021.
- KLITZING MOTIONED TO APPROVE THE REPORT OF CLAIMS: ALLOWANCE OF VOUCHERS FOR FEBRUARY 2021. BROWN SECONDED THE MOTION. ALL "AYES". THE MOTION CARRIED.**
- c. Casey presented the 2022 Budget Timeline.
    - i. Over the next few months, the Budget Committee will prepare the 2022 Budget.
    - ii. On June 19<sup>th</sup> the 2022 budget will be presented for the first time to the Board and the Public.
    - iii. On July 17<sup>th</sup> the 2022 budget will be read a second time for the Board and the Public.
    - iv. On August 21<sup>st</sup> the 2022 budget will have its first public hearing.
    - v. On September 23<sup>rd</sup> the 2022 budget will have its second and final hearing.

- vi. On October 28<sup>th</sup> the 2022 budget will be adopted by resolution.

IV. Approval of the Annual Board Meeting Minutes.

- a. Dugan requested approval of the Annual Board Meeting Minutes.

**PRIDY MOTIONED TO APPROVE THE ANNUAL BOARD MEETING MINUTES. KLITZING SECONDED THE MOTION. ALL "AYES". THE MOTION CARRIED.**

V. Administrative

- a. Casey requested approval of the 2021 Fireworks Contract in the amount of \$8,000.00 to be held on Friday July 2<sup>nd</sup> with a rain date of Saturday July 3<sup>rd</sup>.

**PRIDY MOTIONED TO APPROVE THE 2021 INDEPENDENCE DAY FIREWORKS CONTRACT IN THE AMOUNT OF \$8,000.00 TO BE HELD ON JULY 2<sup>ND</sup> WITH A RAIN DATE OF JULY 3<sup>RD</sup>. WADZINSKI SECONDED THE MOTION. ALL "AYES". THE MOTION CARRIED.**

- b. Casey requested the Board disclose any conflicts of interest they may have and vote to accept the conflict-of-interest policy and statement of disclosures.

**BROWN MOTIONED TO ACCEPT THE CONFLICT-OF-INTEREST STATEMENT. PRIDY SECONDED THE MOTION. DUGAN, BROWN, LADYMAN, KLITZING, PRIDY, AND WADZINSKI VOTE "AYE". BLACKWELL VOTES "NAY". THE MOTION CARRIED.**

VI. Manager's Report (Casey)

- a. Casey stated that bid validity extensions were accepted by Dredge America(through June), Merrel Bros.(through June), and Heartland Dredging(through May 14<sup>th</sup>).
- b. Casey stated that he received the Rule 5 permit for the land west of the new disposal site in order to store excess dirt from the earth work there.
- c. Casey also stated there will be a public hearing held by DNR on April 23<sup>rd</sup>, 2021 at 5:00pm at the Abe Martin Lodge.
  - i. The hearing is being held in regard of the permit to hydraulically dredge soil out of the lake and place in one to two disposal sites the first being the new South Shore settling pond, and the second being the overflow pond across the Long Causeway.
- d. Casey requested approval of Resolution 03-21-04: Playground Equipment Acceptance.
  - i. This resolution is for the reception of Playground Equipment as a direct transfer of ownership from Carmel-Clay Parks and Recreation.

**BROWN MOTIONED TO APPROVE RESOLUTION 03-21-04: PLAYGROUND EQUIPMENT ACCEPTANCE. WADZINSKI SECONDED THE MOTION. ALL "AYES". KLITZING ABSTAINS. THE MOTION CARRIED.**

- e. Casey requested approval of the Playground Installation Contract with PlayPros.

**KLITZING MOTIONED TO APPROVE THE PLAYGROUND EQUIPMENT INSTALLATION CONTRACT NOT TO EXCEED \$12,000.00. WADZINSKI SECONDED THE MOTION. ALL "AYES". THE MOTION CARRIED.**

**VII. New Business/Correspondence**

- a. Dugan stated the next board meeting will be held on April 22<sup>nd</sup>, 2021 at 6:00pm with location to be determined.

**VIII. Adjournment**

**BROWN MOTIONED TO ADJOURN THE FEBRUARY 25<sup>TH</sup>, 2021 BOARD OF DIRECTORS MEETING AT 6:58 P.M. KLITZING SECONDED THE MOTION. ALL "AYE'S". THE MOTION CARRIED. MEETING ADJOURNED.**

**RESPECTFULLY SUBMITTED BY:  
Alex Snooks, Operations Supervisor**

**Lake Lemon Conservancy District**  
**Board Meeting Agenda Item**

<b>Presenter</b>	<b>Debra Ladyman, Treasurer</b>
<b>Action Requested</b>	<b>Review</b>
<b>Item/Subject</b>	February <b>Financial Update</b>
<b>Dollar Amount</b>	<b>N/A</b>
<b>Meeting Date</b>	March 25th, 2021
<b>Summary</b>	<b>Financial report showing end of March 2021 Balance sheet, Income, Expense, 2020 comparison, and reconciliation data.</b>
<b>Staff Recommendation</b>	<b>N/A</b>

Lake Lemon Conservancy

Financial Statements

For the Period Ending

January 1, 2021 thru March 31, 2021

**(UNAUDITED)**

**Watkins Accounting  
113 E. 19<sup>th</sup> Street  
Bloomington, IN 47408**

## Lake Lemon Conservancy

I have prepared the financial statements for Lake Lemon Conservancy as of March 31, 2021 on the basis used in the preparation of its federal income tax returns. The tax returns are prepared on the accrual basis when appropriate.

The following are the company's significant accounting policies under this basis:

Income Tax. No provision or liability for income taxes has been included in the financial statements.

Provision for Doubtful Accounts. No provision for doubtful accounts is made. The company follows the practice of charging off all accounts deemed uncollectible directly to expense.

Property and Equipment. Property and equipment, as well as liabilities pertaining thereto, are recorded at cost as determined for income tax purposes.

Yvonne Freeman  
April 16, 2021

**LAKE LEMON CONSERVANCY**  
**Balance Sheet**  
As of March 31, 2021

	<u>Mar 31, 21</u>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
1000 · Peoples State Bank	284,943.39
1010 · Petty Cash	100.00
1020 · Change Fund	200.00
1040 · CD's Cumulative Maint Fund	114,720.25
1050 · Savings Account	7,867.76
1080 · Construction Account	988,000.00
<b>Total Checking/Savings</b>	<u>1,395,831.40</u>
<b>Total Current Assets</b>	<u>1,395,831.40</u>
<b>Fixed Assets</b>	
1500 · Land @ South Shore Dr	102,755.00
1510 · Trucks	132,761.25
1520 · Other Asset	12,093.11
1550 · Boats	354,750.00
1680 · Other Fixed Assets	465,734.79
<b>Total Fixed Assets</b>	<u>1,068,094.15</u>
<b>TOTAL ASSETS</b>	<u><u>2,463,925.55</u></u>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
<b>Other Current Liabilities</b>	
2010 · FICA & Federal Taxes Payable	2,996.54
2020 · State & Co. Withholding Payable	479.40
<b>Total Other Current Liabilities</b>	<u>3,475.94</u>
<b>Total Current Liabilities</b>	<u>3,475.94</u>
<b>Long Term Liabilities</b>	
2810 · Bond Payable	1,200,000.00
<b>Total Long Term Liabilities</b>	<u>1,200,000.00</u>
<b>Total Liabilities</b>	<u>1,203,475.94</u>
<b>Equity</b>	
3000 · Opening Balance Equity	101,373.66
3040 · General Fund	503,214.77
3060 · Cumulative Maintenance Fund	101,942.92
3200 · Retained Earnings	690,974.64
Net Income	-137,056.38
<b>Total Equity</b>	<u>1,260,449.61</u>
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<u><u>2,463,925.55</u></u>



**LAKE LEMON CONSERVANCY**  
**Profit & Loss YTD Comparison**  
**March 2021**

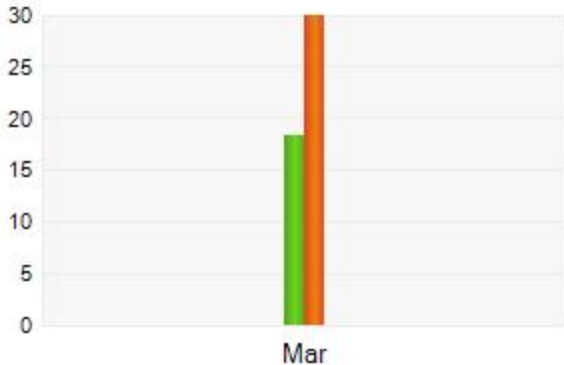
	Mar 21	Jan - Mar 21
<b>Income</b>		
4000 · Watercraft Permits	6,931.00	6,931.00
4010 · Launch Fees	1,566.00	1,566.00
4020 · Marina & Club Fees	1,000.00	1,500.00
4030 · Sublease & Access Fees	8,230.00	18,430.00
4060 · Interest	50.59	191.11
4080 · Fishing Tournament	325.00	925.00
4090 · Park Reservations	250.00	250.00
4100 · Park Admission Fees	18.00	18.00
<b>Total Income</b>	18,370.59	29,811.11
<b>Expense</b>		
6000 · Manager	5,461.54	16,384.62
6001 · Operations Supervisor	2,861.54	8,584.62
6002 · Equipment Operations Supervisor	3,169.24	9,507.72
6010 · FICA	850.27	2,516.79
6020 · State Unemployment Tax	0.00	50.52
6025 · Merchant Fees	31.45	97.63
6030 · Retirement	3,850.14	4,895.76
6040 · Health Insurance	903.25	1,985.96
6070 · Gate Attendant	222.00	222.00
6120 · Season & Launch Permits	0.00	1,810.58
6160 · Printer, Copier & Computer Supp	59.99	59.99
6170 · Miscellaneous-Other	207.34	262.08
6180 · Postage	0.00	220.00
6190 · General Business Supplies	66.95	243.84
6210 · Diesel	0.00	2,775.88
6240 · Building & Grounds	0.00	50.28
6251 · Dredging Supplies	3,285.81	4,840.21
6300 · Accounting Services	0.00	450.00
6320 · Attorney	0.00	1,352.80
6330 · Consulting Engineer	5,405.50	61,693.00
6350 · Other Prof/Secretarial Service	650.00	10,650.00
6370 · Phone, LDT, Pager, E-Mail	283.59	860.14
6400 · Meals	0.00	64.74
6410 · Subscriptions	139.99	289.85
6430 · Ads	12.93	59.36
6440 · Other	0.00	106.00
6450 · Insurance	0.00	32,609.00
6460 · Electric	452.00	1,386.00
6470 · Water	55.11	165.33
6490 · Port-O-Lets	170.00	510.00
6530 · Truck	0.00	250.29
6542 · Equipment Rental	0.00	57.50
6570 · Lake Weed Treatment	0.00	5.00
6661 · Disposal Site Preparation	1,850.00	1,850.00
<b>Total Expense</b>	29,988.64	166,867.49
<b>Net Income</b>	<b>-11,618.05</b>	<b>-137,056.38</b>

## Income and Expense Trend



\$ in 1000s

Last month



Income Expense

**LAKE LEMON CONSERVANCY**  
**Profit & Loss Prev Year Comparison**  
**March 2021**

	<u>Mar 21</u>	<u>Mar 20</u>	<u>\$ Change</u>	<u>% Change</u>
<b>Income</b>				
4000 · Watercraft Permits	6,931.00	1,466.00	5,465.00	372.8%
4010 · Launch Fees	1,566.00	475.00	1,091.00	229.7%
4020 · Marina & Club Fees	1,000.00	1,000.00	0.00	0.0%
4030 · Sublease & Access Fees	8,230.00	8,820.00	-590.00	-6.7%
4060 · Interest	50.59	0.00	50.59	100.0%
4080 · Fishing Tournament	325.00	175.00	150.00	85.7%
4090 · Park Reservations	250.00	0.00	250.00	100.0%
4100 · Park Admisioin Fees	18.00	0.00	18.00	100.0%
<b>Total Income</b>	<b>18,370.59</b>	<b>11,936.00</b>	<b>6,434.59</b>	<b>53.9%</b>
<b>Expense</b>				
6000 · Manager	5,461.54	5,230.76	230.78	4.4%
6001 · Operations Supervisor	2,861.54	2,773.08	88.46	3.2%
6002 · Equipment Operations Supervisor	3,169.24	3,076.92	92.32	3.0%
6010 · FICA	850.27	891.42	-41.15	-4.6%
6025 · Merchant Fees	31.45	31.45	0.00	0.0%
6030 · Retirement	3,850.14	1,573.52	2,276.62	144.7%
6040 · Health Insurance	903.25	285.47	617.78	216.4%
6070 · Gate Attendant	222.00	238.50	-16.50	-6.9%
6114 · Assistant Dredger (Other)	0.00	333.00	-333.00	-100.0%
6160 · Printer, Copier & Computer Supp	59.99	0.00	59.99	100.0%
6170 · Miscellaneous-Other	207.34	0.00	207.34	100.0%
6180 · Postage	0.00	5.05	-5.05	-100.0%
6190 · General Business Supplies	66.95	0.00	66.95	100.0%
6200 · Regular Gas	0.00	60.86	-60.86	-100.0%
6240 · Building & Grounds	0.00	646.11	-646.11	-100.0%
6251 · Dredging Supplies	3,285.81	0.00	3,285.81	100.0%
6330 · Consulting Engineer	5,405.50	8,516.34	-3,110.84	-36.5%
6350 · Other Prof/Secretarial Service	650.00	0.00	650.00	100.0%
6370 · Phone, LDT, Pager, E-Mail	283.59	283.67	-0.08	0.0%
6410 · Subscriptions	139.99	0.00	139.99	100.0%
6430 · Ads	12.93	38.83	-25.90	-66.7%
6450 · Insurance	0.00	3,139.75	-3,139.75	-100.0%
6460 · Electric	452.00	390.00	62.00	15.9%
6470 · Water	55.11	55.11	0.00	0.0%
6480 · Trash	0.00	20.00	-20.00	-100.0%
6490 · Port-O-Lets	170.00	170.00	0.00	0.0%
6520 · Boat	0.00	276.50	-276.50	-100.0%
6541 · Dredging Equipment Maintenance	0.00	1,600.00	-1,600.00	-100.0%
6661 · Disposal Site Preparation	1,850.00	6,390.00	-4,540.00	-71.1%
<b>Total Expense</b>	<b>29,988.64</b>	<b>36,026.34</b>	<b>-6,037.70</b>	<b>-16.8%</b>
<b>Net Income</b>	<b><u>-11,618.05</u></b>	<b><u>-24,090.34</u></b>	<b><u>12,472.29</u></b>	<b><u>51.8%</u></b>

Previous Year Income Comparison



## Prev Year Expense Comparison



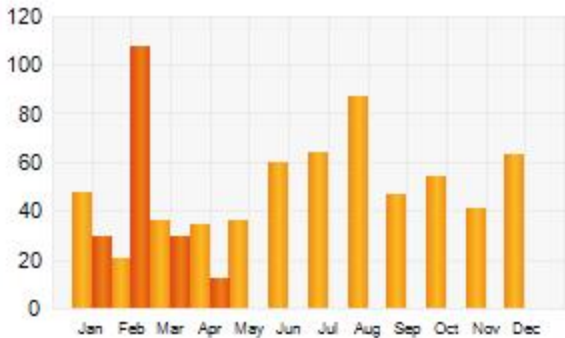
All



Monthly



\$ in 1000s



2020 2021

**LAKE LEMON CONSERVANCY**  
**Profit & Loss Budget vs. Actual**  
January through March 2021

	Jan - Mar 21	Budget	\$ Over Budget	% of Budget
<b>Income</b>				
4000 · Watercraft Permits	6,931.00	115,000.00	-108,069.00	6.0%
4010 · Launch Fees	1,566.00	21,000.00	-19,434.00	7.5%
4020 · Marina & Club Fees	1,500.00	9,000.00	-7,500.00	16.7%
4030 · Sublease & Access Fees	18,430.00	27,000.00	-8,570.00	68.3%
4040 · Property Tax - Brown Co.	0.00	87,620.00	-87,620.00	0.0%
4050 · Property Tax -Monroe Co.	0.00	249,380.00	-249,380.00	0.0%
4060 · Interest	191.11	1,250.00	-1,058.89	15.3%
4070 · Grants & Donations	0.00	12,000.00	-12,000.00	0.0%
4071 · Community Foundation	0.00	0.00	0.00	0.0%
4080 · Fishing Tournament	925.00	1,500.00	-575.00	61.7%
4090 · Park Reservations	250.00	4,000.00	-3,750.00	6.3%
4100 · Park Admisioin Fees	18.00	45,000.00	-44,982.00	0.0%
4110 · Concessions	0.00	0.00	0.00	0.0%
4120 · Other Income	0.00	0.00	0.00	0.0%
4130 · Dredging/Rip-Rap Income	0.00	40,000.00	-40,000.00	0.0%
4140 · Dredging Loan Proceeds	0.00	1,000,000.00	-1,000,000.00	0.0%
<b>Total Income</b>	<b>29,811.11</b>	<b>1,612,750.00</b>	<b>-1,582,938.89</b>	<b>1.8%</b>
<b>Expense</b>				
6000 · Manager	16,384.62	65,000.00	-48,615.38	25.2%
6001 · Operations Supervisor	8,584.62	37,200.00	-28,615.38	23.1%
6002 · Equipment Operations Supervisor	9,507.72	41,200.00	-31,692.28	23.1%
6010 · FICA	2,516.79	14,500.00	-11,983.21	17.4%
6020 · State Unemployment Tax	50.52	800.00	-749.48	6.3%
6025 · Merchant Fees	97.63	1,800.00	-1,702.37	5.4%
6030 · Retirement	4,895.76	18,000.00	-13,104.24	27.2%
6040 · Health Insurance	1,985.96	15,000.00	-13,014.04	13.2%
6050 · Life Insurance	0.00	0.00	0.00	0.0%
6070 · Gate Attendant	222.00	23,000.00	-22,778.00	1.0%
6100 · Lake Patrol	0.00	2,000.00	-2,000.00	0.0%
6110 · Lake Biologist	0.00	0.00	0.00	0.0%
6111 · Dredger	0.00	0.00	0.00	0.0%
6112 · Dredger (Other)	0.00	0.00	0.00	0.0%
6113 · Assistant Dredger	0.00	9,500.00	-9,500.00	0.0%
6114 · Assistant Dredger (Other)	0.00	5,700.00	-5,700.00	0.0%
6115 · Dredger (Private)	0.00	0.00	0.00	0.0%
6116 · Assistant Dredger (Private)	0.00	5,000.00	-5,000.00	0.0%
6120 · Season & Launch Permits	1,810.58	2,000.00	-189.42	90.5%
6130 · Daily Permits	0.00	400.00	-400.00	0.0%
6140 · Receipt/Tickets Books	0.00	400.00	-400.00	0.0%
6150 · Checks	0.00	200.00	-200.00	0.0%
6160 · Printer, Copier & Computer Supp	59.99	1,000.00	-940.01	6.0%
6170 · Miscellaneous-Other	262.08	1,300.00	-1,037.92	20.2%
6180 · Postage	220.00	750.00	-530.00	29.3%
6185 · Receipt Books	0.00	0.00	0.00	0.0%

**LAKE LEMON CONSERVANCY**  
**Profit & Loss Budget vs. Actual**  
January through March 2021

	Jan - Mar 21	Budget	\$ Over Budget	% of Budget
6190 · General Business Supplies	243.84	750.00	-506.16	32.5%
6200 · Regular Gas	0.00	9,000.00	-9,000.00	0.0%
6210 · Diesel	2,775.88	12,000.00	-9,224.12	23.1%
6220 · Janitorial Supplies	0.00	0.00	0.00	0.0%
6230 · Medical Supplies	0.00	0.00	0.00	0.0%
6240 · Building & Grounds	50.28	6,000.00	-5,949.72	0.8%
6250 · Boat/Weed Harvester/Truck	0.00	1,500.00	-1,500.00	0.0%
6251 · Dredging Supplies	4,840.21	12,000.00	-7,159.79	40.3%
6252 · Rip Rap/Erosion Control	0.00	18,000.00	-18,000.00	0.0%
6260 · Uniforms	0.00	1,000.00	-1,000.00	0.0%
6270 · Boat Equipment	0.00	0.00	0.00	0.0%
6280 · Radio/Communication Equipment	0.00	0.00	0.00	0.0%
6290 · Signs & Nautical Markers	0.00	5,000.00	-5,000.00	0.0%
6300 · Accounting Services	450.00	6,000.00	-5,550.00	7.5%
6310 · Grass	0.00	10,860.00	-10,860.00	0.0%
6320 · Attorney	1,352.80	4,000.00	-2,647.20	33.8%
6325 · Fish Managment Survey	0.00	0.00	0.00	0.0%
6330 · Consulting Engineer	61,693.00	50,000.00	11,693.00	123.4%
6340 · State Board Accounts Audit	0.00	1,500.00	-1,500.00	0.0%
6350 · Other Prof/Secretarial Service	10,650.00	1,000.00	9,650.00	1,065.0%
6370 · Phone, LDT, Pager, E-Mail	860.14	3,500.00	-2,639.86	24.6%
6380 · Travel	0.00	0.00	0.00	0.0%
6390 · Hotel	0.00	0.00	0.00	0.0%
6400 · Meals	64.74	200.00	-135.26	32.4%
6410 · Subscriptions	289.85	1,400.00	-1,110.15	20.7%
6420 · Newsletter	0.00	0.00	0.00	0.0%
6430 · Ads	59.36	500.00	-440.64	11.9%
6440 · Other	106.00	1,200.00	-1,094.00	8.8%
6441 · Event Planning	0.00	1,500.00	-1,500.00	0.0%
6450 · Insurance	32,609.00	50,000.00	-17,391.00	65.2%
6460 · Electric	1,386.00	5,000.00	-3,614.00	27.7%
6470 · Water	165.33	750.00	-584.67	22.0%
6480 · Trash	0.00	1,800.00	-1,800.00	0.0%
6490 · Port-O-Lets	510.00	3,000.00	-2,490.00	17.0%
6500 · Pump Holding Tank	0.00	800.00	-800.00	0.0%
6510 · Building & Grounds Expense	0.00	15,000.00	-15,000.00	0.0%
6520 · Boat	0.00	2,000.00	-2,000.00	0.0%
6530 · Truck	250.29	1,000.00	-749.71	25.0%
6540 · Sluice Gate Inspection	0.00	4,500.00	-4,500.00	0.0%
6541 · Dredging Equipment Maintenance	0.00	10,000.00	-10,000.00	0.0%
6542 · Equipment Rental	57.50	7,500.00	-7,442.50	0.8%
6560 · Water Testing	0.00	8,000.00	-8,000.00	0.0%
6570 · Lake Weed Treatment	5.00	50,000.00	-49,995.00	0.0%
6590 · Contigency Funds 10%	0.00	10,000.00	-10,000.00	0.0%
6600 · 6% MarinaPermit Sales	0.00	2,300.00	-2,300.00	0.0%
6610 · Cumulative Maintenance Fund	0.00	7,500.00	-7,500.00	0.0%
6620 · Dam/Spillway Inspection	0.00	5,000.00	-5,000.00	0.0%

**LAKE LEMON CONSERVANCY**  
**Profit & Loss Budget vs. Actual**  
January through March 2021

	Jan - Mar 21	Budget	\$ Over Budget	% of Budget
6630 · Spillway Repairs	0.00	0.00	0.00	0.0%
6661 · Disposal Site Preparation	1,850.00	20,000.00	-18,150.00	9.3%
6662 · Debt Service-Dredging Loan	0.00	0.00	0.00	0.0%
6663 · Barge Assembly	0.00	0.00	0.00	0.0%
6670 · Debt Service (Dredging Equip.)	0.00	0.00	0.00	0.0%
6680 · Other Services and Charges	0.00	2,000.00	-2,000.00	0.0%
6681 · Fireworks	0.00	8,000.00	-8,000.00	0.0%
6682 · Ramp Repairs	0.00	2,000.00	-2,000.00	0.0%
6685 · Dredging Engineering	0.00	0.00	0.00	0.0%
6690 · Office Equipment	0.00	0.00	0.00	0.0%
66900 · Reconciliation Discrepancies	0.00	0.00	0.00	0.0%
6700 · Computer Equipment	0.00	0.00	0.00	0.0%
6701 · Barge	0.00	0.00	0.00	0.0%
6702 · Push Boat/Motors	0.00	0.00	0.00	0.0%
6703 · Excavator	0.00	0.00	0.00	0.0%
6704 · Off Road Truck	0.00	0.00	0.00	0.0%
6705 · Utility Truck	0.00	0.00	0.00	0.0%
6706 · Bulldozer	0.00	0.00	0.00	0.0%
6710 · Boat Dock	0.00	0.00	0.00	0.0%
6720 · Utility Vehicle	0.00	0.00	0.00	0.0%
6730 · Patrol Boat	0.00	0.00	0.00	0.0%
6740 · Work Boat (Pontoon)	0.00	0.00	0.00	0.0%
6750 · Sediment Mitigation	0.00	950,000.00	-950,000.00	0.0%
6760 · Other Capital Outlays	0.00	0.00	0.00	0.0%
6770 · LLCD Pick-up Truck	0.00	0.00	0.00	0.0%
6780 · Gatehouse	0.00	0.00	0.00	0.0%
6790 · Bond Repayment - SedimentMgmt	0.00	85,000.00	-85,000.00	0.0%
<b>Total Expense</b>	<b>166,867.49</b>	<b>1,642,810.00</b>	<b>-1,475,942.51</b>	<b>10.2%</b>
<b>Net Income</b>	<b>-137,056.38</b>	<b>-30,060.00</b>	<b>-106,996.38</b>	<b>455.9%</b>



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04/16/21

**LAKE LEMON CONSERVANCY**  
**Reconciliation Summary**  
**1000 - Peoples State Bank, Period Ending 03/31/2021**

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	<u>Mar 31, 21</u>
Beginning Balance	323,502.09
Cleared Transactions	
Checks and Payments - 31 items	-53,044.14
Deposits and Credits - 10 items	18,320.00
Total Cleared Transactions	<u>-34,724.14</u>
Cleared Balance	<u>288,777.95</u>
Uncleared Transactions	
Checks and Payments - 6 items	<u>-3,834.56</u>
Total Uncleared Transactions	<u>-3,834.56</u>
Register Balance as of 03/31/2021	<u>284,943.39</u>
New Transactions	
Checks and Payments - 11 items	-12,713.38
Deposits and Credits - 6 items	10,181.00
Total New Transactions	<u>-2,532.38</u>
Ending Balance	<u>282,411.01</u>

## LAKE LEMON CONSERVANCY

## Reconciliation Detail

1000 · Peoples State Bank, Period Ending 03/31/2021

Type	Date	Num	Name	Clr	Amount	Balance
<b>Beginning Balance</b>						323,502.09
<b>Cleared Transactions</b>						
<b>Checks and Payments - 31 items</b>						
Check	02/19/2021	5262	FIRST INSURANCE...	X	-17,686.00	-17,686.00
Check	02/19/2021	5264	IZZY'S RENTAL	X	-170.00	-17,856.00
Check	02/26/2021	5273	CREATIVE GRAPHI...	X	-1,810.58	-19,666.58
Check	02/26/2021	5272	CARMIN PARKER PC	X	-1,352.80	-21,019.38
Check	02/26/2021	5274	COMCAST CABLE	X	-576.55	-21,595.93
Check	02/26/2021	5271	AMBETTER FROM ...	X	-544.08	-22,140.01
Check	02/26/2021	5268	CHRISTOPHER B B...	X	-504.00	-22,644.01
Check	02/26/2021	5269	SCI REMC	X	-473.00	-23,117.01
Check	02/26/2021	5270	AMBETTER FROM ...	X	-359.17	-23,476.18
Check	02/26/2021	5266	INDIANA STATE C...	X	-270.00	-23,746.18
Check	02/26/2021	5267	VISA	X	-217.85	-23,964.03
Check	03/04/2021	5275	BRANDEIS	X	-132.34	-24,096.37
Check	03/11/2021	4986	KENNY CLARK EX...	X	-1,000.00	-25,096.37
Check	03/12/2021	5282	CHRISTOPHER B B...	X	-5,405.50	-30,501.87
General Journal	03/12/2021			X	-3,922.60	-34,424.47
Check	03/12/2021	5276	INDIANA STATE C...	X	-270.00	-34,694.47
Check	03/12/2021	5283	IZZY'S RENTAL	X	-170.00	-34,864.47
Check	03/12/2021	5279	MONROE CO HEAL...	X	-75.00	-34,939.47
Check	03/12/2021	5281	STAPLES CREDIT ...	X	-66.95	-35,006.42
Check	03/12/2021	5277	B & B WATER CORP	X	-55.11	-35,061.53
Check	03/12/2021	5278	KLEINDORFER HA...	X	-33.47	-35,095.00
Check	03/12/2021	5280	HOOSIER TIMES P...	X	-12.93	-35,107.93
Check	03/18/2021	ACH	VISA	X	-332.32	-35,440.25
Check	03/22/2021	5289	BLUE CHIP TECHN...	X	-3,120.00	-38,560.25
Check	03/22/2021	5287	AMBETTER FROM ...	X	-544.08	-39,104.33
Check	03/22/2021	5288	SCI REMC	X	-452.00	-39,556.33
Check	03/22/2021	5285	YOUNG TRUCKING...	X	-450.00	-40,006.33
Check	03/22/2021	5286	AMBETTER FROM ...	X	-359.17	-40,365.50
General Journal	03/26/2021			X	-4,117.43	-44,482.93
Check	03/26/2021	5290	INDIANA STATE C...	X	-270.00	-44,752.93
General Journal	03/31/2021			X	-8,291.21	-53,044.14
<b>Total Checks and Payments</b>					<b>-53,044.14</b>	<b>-53,044.14</b>
<b>Deposits and Credits - 10 items</b>						
General Journal	03/04/2021			X	1,325.00	1,325.00
General Journal	03/12/2021			X	3,600.00	4,925.00
General Journal	03/12/2021			X	4,630.00	9,555.00
General Journal	03/22/2021			X	1,169.00	10,724.00
General Journal	03/22/2021			X	1,898.00	12,622.00
General Journal	03/25/2021			X	885.00	13,507.00
General Journal	03/25/2021			X	1,359.00	14,866.00
General Journal	03/28/2021			X	687.00	15,553.00
General Journal	03/28/2021			X	2,381.00	17,934.00
General Journal	03/29/2021			X	386.00	18,320.00
<b>Total Deposits and Credits</b>					<b>18,320.00</b>	<b>18,320.00</b>
<b>Total Cleared Transactions</b>					<b>-34,724.14</b>	<b>-34,724.14</b>
<b>Cleared Balance</b>					<b>-34,724.14</b>	<b>288,777.95</b>
<b>Uncleared Transactions</b>						
<b>Checks and Payments - 6 items</b>						
Check	04/17/2020	4962	YOUNG TRUCKING...		-277.46	-277.46
Check	05/04/2020	4980	MONROE CO HEAL...		-75.00	-352.46
Check	06/08/2020	5024	JOHN NAYLOR TR...		-2,148.51	-2,500.97
Check	03/22/2021	5291	YOUNG TRUCKING...		-400.00	-2,900.97
Check	03/22/2021	5284	COMCAST CABLE		-283.59	-3,184.56
Check	03/31/2021	5292	Old National Wealth ...		-650.00	-3,834.56
<b>Total Checks and Payments</b>					<b>-3,834.56</b>	<b>-3,834.56</b>
<b>Total Uncleared Transactions</b>					<b>-3,834.56</b>	<b>-3,834.56</b>
<b>Register Balance as of 03/31/2021</b>					<b>-38,558.70</b>	<b>284,943.39</b>

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04/16/21

## LAKE LEMON CONSERVANCY

## Reconciliation Detail

1000 - Peoples State Bank, Period Ending 03/31/2021

Type	Date	Num	Name	Clr	Amount	Balance
<b>New Transactions</b>						
<b>Checks and Payments - 11 items</b>						
Check	04/12/2021	5297	FAB TECH		-5,750.00	-5,750.00
Check	04/12/2021	5296	DLZ INDIANA, LLC		-3,124.88	-8,874.88
Check	04/12/2021	5300	YOUNG TRUCKING...		-1,781.25	-10,656.13
Check	04/12/2021	5302	CURRY AUTO CEN...		-649.43	-11,305.56
Check	04/12/2021	5304	BRANDEIS		-583.16	-11,888.72
Check	04/12/2021	5299	MACALLISTER MA...		-500.89	-12,389.61
Check	04/12/2021	5295	STAPLES CREDIT ...		-99.99	-12,489.60
Check	04/12/2021	5303	AIM MEDIA INDIANA		-73.03	-12,562.63
Check	04/12/2021	5301	BLOOMINGTON IR...		-57.00	-12,619.63
Check	04/12/2021	5293	B & B WATER CORP		-55.11	-12,674.74
Check	04/12/2021	5294	LOWE'S COMPANI...		-38.64	-12,713.38
Total Checks and Payments					-12,713.38	-12,713.38
<b>Deposits and Credits - 6 items</b>						
General Journal	04/04/2021				1,703.00	1,703.00
General Journal	04/04/2021				2,172.00	3,875.00
General Journal	04/08/2021				1,776.00	5,651.00
General Journal	04/08/2021				1,896.00	7,547.00
General Journal	04/12/2021				1,115.00	8,662.00
General Journal	04/12/2021				1,519.00	10,181.00
Total Deposits and Credits					10,181.00	10,181.00
Total New Transactions					-2,532.38	-2,532.38
Ending Balance					<b>-41,091.08</b>	<b>282,411.01</b>

**Lake Lemon Conservancy District**  
**Board Meeting Agenda Item**

<b>Presenter</b>	<b>Debra Ladyman, Treasurer</b>
<b>Action Requested</b>	<b>Approval</b>
<b>Item/Subject</b>	March <b>Report of Claims: Approval of Vouchers</b>
<b>Dollar Amount</b>	\$21,522.49
<b>Meeting Date</b>	April 22nd, <b>2021</b>
<b>Summary</b>	<b>Report showing check detail and payroll expenditures for March 2021</b>
<b>Staff Recommendation</b>	<b>Approval of March 2021 Report of Claims</b>

**Date:** April 22nd, 2021

**ALLOWANCE OF VOUCHERS**

**Debra Ladyman**  
**Treasurer**

**(Report of Claims -March 2021)**

(IC 5-11-10-2 permits the governing body to sign the Accounts Payable Voucher Register in lieu of signing each claim the governing body is allowing.) We have examined the vouchers listed on the foregoing accounts payable voucher register and payroll journal, consisting of 5 pages, and except for vouchers not allowed as shown on the Register such vouchers are allowed in the total of \$21,522.49

Dated this 22nd Day of April, 2021

**Signature of Governing Board**

*Pam Dugan*

Pam Dugan (Jun 4, 2021 13:35 EDT)

**PAM DUGAN, CHAIRMAN**

*Mary Jane Brown*

Mary Jane Brown (Jun 4, 2021 12:08 EDT)

**MARY JANE BROWN, VICE-CHAIR**

*Deborah L. Ladyman*

Deborah L. Ladyman (Jun 7, 2021 14:23 EDT)

**DEBRA LADYMAN, TREASURER**



Michael W. Klitzing (Jun 4, 2021 15:54 EDT)

**MICHAEL KLITZING, Sub-Area I**

*Steven Priddy*

Steven Priddy (Jun 4, 2021 10:41 EDT)

**STEVEN PRIDDY, Sub-Area IV**

*Les Wadzinski*

Les Wadzinski (Jun 18, 2021 11:40 EDT)

**LES WADZINSKI, Sub-Area V**

**MICHAEL BLACKWELL, Sub-Area VII**

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04/16/21

**LAKE LEMON CONSERVANCY**  
**Check Detail**  
**March 2021**

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
Check	ACH	03/18/2021	VISA		1000 · Peoples Stat...		-332.32
				Zoom and ILMS	6410 · Subscriptions	-64.99	64.99
				External Drive for back up	6160 · Printer, Copie...	-59.99	59.99
				Charges to be reimbursed	6170 · Miscellaneou...	-207.34	207.34
TOTAL						-332.32	332.32
Check	4986	03/11/2021	KENNY CLARK EXCAVATING		1000 · Peoples Stat...		-1,000.00
				Annual Contract Payment	6661 · Disposal Site...	-1,000.00	1,000.00
TOTAL						-1,000.00	1,000.00
Check	5275	03/04/2021	BRANDEIS		1000 · Peoples Stat...		-132.34
				Komatsu Shoe Bolts	6251 · Dredging Sup...	-132.34	132.34
TOTAL						-132.34	132.34
Check	5276	03/12/2021	INDIANA STATE CENTRAL COLL...		1000 · Peoples Stat...		-270.00
					2040 · Child Support	-270.00	270.00
TOTAL						-270.00	270.00
Check	5277	03/12/2021	B & B WATER CORP		1000 · Peoples Stat...		-55.11
					6470 · Water	-55.11	55.11
TOTAL						-55.11	55.11
Check	5278	03/12/2021	KLEINDORFER HARDWARE		1000 · Peoples Stat...		-33.47
				Sockets	6251 · Dredging Sup...	-33.47	33.47
TOTAL						-33.47	33.47
Check	5279	03/12/2021	MONROE CO HEALTH DEPT		1000 · Peoples Stat...		-75.00
				Beach Permit Application	6410 · Subscriptions	-75.00	75.00
TOTAL						-75.00	75.00

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04/16/21

**LAKE LEMON CONSERVANCY**  
**Check Detail**  
**March 2021**

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
Check	5280	03/12/2021	HOOSIER TIMES PROCESSING ...		1000 · Peoples Stat...		-12.93
			Gatehouse Bid Advertisement		6430 · Ads	-12.93	12.93
TOTAL						-12.93	12.93
Check	5281	03/12/2021	STAPLES CREDIT PLAN		1000 · Peoples Stat...		-66.95
			Office Supplies		6190 · General Busi...	-66.95	66.95
TOTAL						-66.95	66.95
Check	5282	03/12/2021	CHRISTOPHER B BURKE ENGIN...		1000 · Peoples Stat...		-5,405.50
			Rule 5 and design work		6330 · Consulting E...	-5,405.50	5,405.50
TOTAL						-5,405.50	5,405.50
Check	5283	03/12/2021	IZZY'S RENTAL		1000 · Peoples Stat...		-170.00
					6490 · Port-O-Lets	-170.00	170.00
TOTAL						-170.00	170.00
Check	5284	03/22/2021	COMCAST CABLE		1000 · Peoples Stat...		-283.59
					6370 · Phone, LDT, ...	-283.59	283.59
TOTAL						-283.59	283.59
Check	5285	03/22/2021	YOUNG TRUCKING INC.		1000 · Peoples Stat...		-450.00
			haul Komatsu and Dozer		6661 · Disposal Site...	-450.00	450.00
TOTAL						-450.00	450.00
Check	5286	03/22/2021	AMBETTER FROM MHS		1000 · Peoples Stat...		-359.17
					6040 · Health Insura...	-359.17	359.17
TOTAL						-359.17	359.17
Check	5287	03/22/2021	AMBETTER FROM MHS		1000 · Peoples Stat...		-544.08

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04/16/21

**LAKE LEMON CONSERVANCY**  
**Check Detail**  
**March 2021**

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
					6040 · Health Insura...	-544.08	544.08
TOTAL						-544.08	544.08
Check	5288	03/22/2021	SCI REMC		1000 · Peoples Stat...		-452.00
					6460 · Electric	-452.00	452.00
TOTAL						-452.00	452.00
Check	5289	03/22/2021	BLUE CHIP TECHNOLOGIES, INC.		1000 · Peoples Stat...		-3,120.00
			Push Boat Drive shaft replacments		6251 · Dredging Sup...	-3,120.00	3,120.00
TOTAL						-3,120.00	3,120.00
Check	5290	03/26/2021	INDIANA STATE CENTRAL COLL...		1000 · Peoples Stat...		-270.00
					2040 · Child Support	-270.00	270.00
TOTAL						-270.00	270.00
Check	5291	03/22/2021	YOUNG TRUCKING INC.		1000 · Peoples Stat...		-400.00
			Haul komatsu		6661 · Disposal Site...	-400.00	400.00
TOTAL						-400.00	400.00
Check	5292	03/31/2021	Old National Wealth Management		1000 · Peoples Stat...		-650.00
			Bond Registrar and Paying Agent fee		6350 · Other Prof/Se...	-650.00	650.00
TOTAL						-650.00	650.00

Total: \$14,082.46



**LAKE LEMON CONSERVANCY DISTRICT**  
**Payroll Summary**  
**March 2021**

	Allender, Clinton L			Bode, Randall S			Brown, Andrew M		
	Hours	Rate	Mar 21	Hours	Rate	Mar 21	Hours	Rate	Mar 21
<b>Employee Wages, Taxes and Adjustments</b>									
<b>Gross Pay</b>									
Salary-6000			0.00			0.00			0.00
Salary-6001			0.00			0.00			0.00
Salary-6002			3,169.24			0.00			0.00
Reg. Pay-6070			0.00	12	11.50	138.00	8	10.50	84.00
Reg. Pay-6110			0.00			0.00			0.00
Reg. Pay-6111		30.00	0.00			0.00			0.00
Reg. Pay-6112		30.00	0.00			0.00			0.00
Reg. Pay-6114		20.00	0.00			0.00			0.00
Reg. Pay-6115		29.00	0.00			0.00			0.00
Reg. Pay-6116		20.00	0.00			0.00			0.00
<b>Total Gross Pay</b>			3,169.24	12		138.00	8		84.00
<b>Deductions from Gross Pay</b>									
Emp HSA			0.00			0.00			0.00
Insurance			0.00			0.00			0.00
Retirement			-95.08			0.00			0.00
<b>Total Deductions from Gross Pay</b>			-95.08			0.00			0.00
<b>Adjusted Gross Pay</b>			3,074.16	12		138.00	8		84.00
<b>Taxes Withheld</b>									
Federal Withholding			-328.00			0.00			0.00
Medicare Employee			-45.95			-2.00			-1.22
Social Security Employee			-196.49			-8.56			-5.21
IN - Withholding			-99.30			-4.46			-2.71
Law. Co.			-53.80			0.00			0.00
Medicare Employee Addl Tax			0.00			0.00			0.00
Monroe Co.			0.00			-1.86			-1.13
<b>Total Taxes Withheld</b>			-723.54			-16.88			-10.27
<b>Deductions from Net Pay</b>									
Child Support			-540.00			0.00			0.00
Docket Fee			0.00			0.00			0.00
<b>Total Deductions from Net Pay</b>			-540.00			0.00			0.00
<b>Net Pay</b>			<u>1,810.62</u>	<u>12</u>		<u>121.12</u>	<u>8</u>		<u>73.73</u>
<b>Employer Taxes and Contributions</b>									
Federal Unemployment			3.97			0.83			0.50
Medicare Company			45.95			2.00			1.22
Social Security Company			196.49			8.56			5.21
IN - Unemployment Company			15.81			0.69			0.42
<b>Total Employer Taxes and Contributions</b>			<u>262.22</u>			<u>12.08</u>			<u>7.35</u>

## LAKE LEMON CONSERVANCY DISTRICT

## Payroll Summary

March 2021

	Casey, Adam W			Snooks, Franklin A			TOTAL		
	Hours	Rate	Mar 21	Hours	Rate	Mar 21	Hours	Rate	Mar 21
<b>Employee Wages, Taxes and Adjustments</b>									
Gross Pay									
Salary-6000			5,461.54			0.00			5,461.54
Salary-6001			0.00			2,861.54			2,861.54
Salary-6002			0.00			0.00			3,169.24
Reg. Pay-6070			0.00		11.50	0.00	20.00		222.00
Reg. Pay-6110			0.00		11.50	0.00			0.00
Reg. Pay-6111			0.00			0.00			0.00
Reg. Pay-6112			0.00			0.00			0.00
Reg. Pay-6114			0.00			0.00			0.00
Reg. Pay-6115			0.00			0.00			0.00
Reg. Pay-6116			0.00			0.00			0.00
<b>Total Gross Pay</b>			5,461.54			2,861.54	20.00		11,714.32
Deductions from Gross Pay									
Emp HSA			-600.00			0.00			-600.00
Insurance			0.00			0.00			0.00
Retirement			-327.70			-85.84			-508.62
<b>Total Deductions from Gross Pay</b>			-927.70			-85.84			-1,108.62
<b>Adjusted Gross Pay</b>			4,533.84			2,775.70	20.00		10,605.70
Taxes Withheld									
Federal Withholding			-676.00			-292.00			-1,296.00
Medicare Employee			-70.50			-41.50			-161.17
Social Security Employee			-301.42			-177.42			-689.10
IN - Withholding			-146.44			-89.66			-342.57
Law. Co.			0.00			0.00			-53.80
Medicare Employee Addl Tax			0.00			0.00			0.00
Monroe Co.			-49.64			-30.40			-83.03
<b>Total Taxes Withheld</b>			-1,244.00			-630.98			-2,625.67
Deductions from Net Pay									
Child Support			0.00			0.00			-540.00
Docket Fee			0.00			0.00			0.00
<b>Total Deductions from Net Pay</b>			0.00			0.00			-540.00
<b>Net Pay</b>			<b>3,289.84</b>			<b>2,144.72</b>	<b>20.00</b>		<b>7,440.03</b>
Employer Taxes and Contributions									
Federal Unemployment			0.00			7.66			12.96
Medicare Company			70.50			41.50			161.17
Social Security Company			301.42			177.42			689.10
IN - Unemployment Company			0.00			14.30			31.22
<b>Total Employer Taxes and Contributions</b>			<b>371.92</b>			<b>240.88</b>			<b>894.45</b>

**Lake Lemon Conservancy District**  
**Board Meeting Agenda Item**

<b>Presenter</b>	<b>Michael Klitzing, District I</b>
<b>Action Requested</b>	Discussion
<b>Item/Subject</b>	Tunnel Road Improvement Request
<b>Dollar Amount</b>	\$8,950.00
<b>Meeting Date</b>	April 22nd, 2021
<b>Summary</b>	Review and approve the Tunnel Road Improvement Request.
<b>Staff Recommendation</b>	N/A

April 12, 2021

Pam Dugan, Chair  
Lake Lemon Conservancy District Board of Directors  
7599 N. Tunnel Road  
Unionville, IN 47468

Re: Tunnel Road Improvement

Dear Chair Dugan and Members of the Board,

Through the grassroot efforts of freeholders along Tunnel Road, efforts are underway to pave this road, converting it from a gravel drive and enhancing accessibility to our homes. Since portions of this road are within Riddle Point Park, my neighborhood is requesting assistance from LLCD for roadway improvements within the park.

To provide some background, there are currently 28 homes within the Conservancy District served by Tunnel Road. County maintenance of Tunnel Road ends before the entrance to Riddle Point Park. The asphalt road extends into the park, veering away from the park's entrance/exit and providing access to LLCD's maintenance area. Shortly before the maintenance area, it becomes a gravel road and exits the park to the neighborhood. As a result of the road's route, the Tunnel Road neighborhood is interconnected to Riddle Point Park and LLCD like no other neighborhood around the lake. The park is literally the entrance to our neighborhood.

In an era where there is often much disagreement, 82% of the Tunnel Road residents to date have voluntarily contributed towards the paving project, which in totality will cost over \$100,000. The neighborhood requests that LLCD contribute \$8,950 towards repaving approximately 185 feet (2,800 SF) of road improvements within the park, which is an area impacted by park maintenance functions and currently in poor condition (see attachments). To put this request in perspective, the Tunnel Road neighborhood represents 6.2% of LLCD's net assessed valuation, contributing over \$21,500 in tax dollars annually. The neighborhood will cover all other expenses for installing asphalt beyond the maintenance area into the neighborhood. The work will be performed by Lentz Paving.

A committee comprised of freeholders Lance Eberle, Tim Price, Chuck Cooksey, Mark Barkley, and Mike Sonneborn have led the planning for this road improvement project on behalf of the neighborhood. If you have any questions or would like additional information about the improvements, please feel free to contact Lance Eberle at (812) 360-0357.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael W. Klitzing", followed by a long horizontal line.

Michael W. Klitzing  
Board Member, Sub-Area I  
Lake Lemon Conservancy District

Enclosures (3)

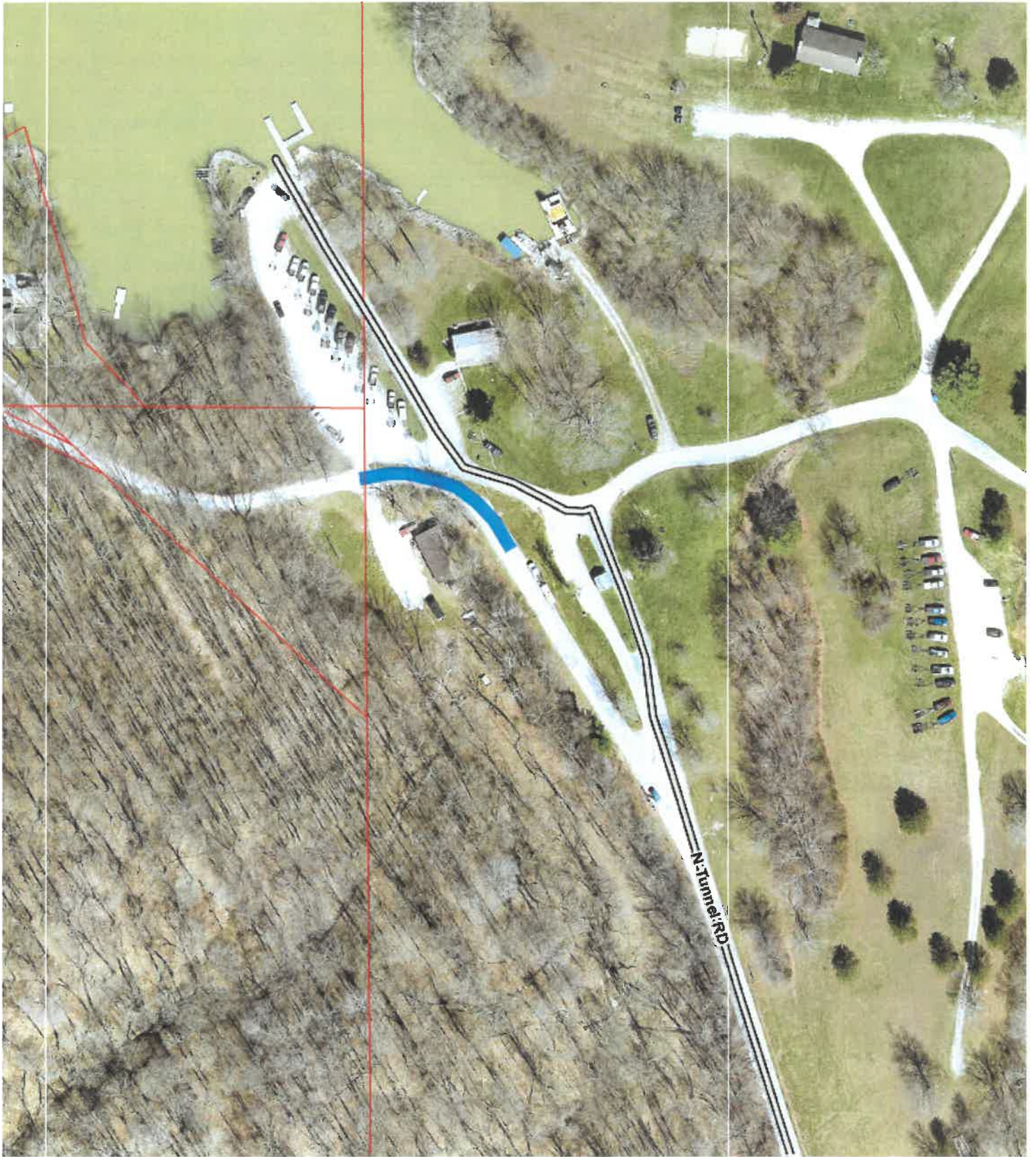


Tunnel Road within Riddle Point Park looking west. Entrance to LLCD maintenance area is in background (upper left) across from service entrance to ramp parking.



Tunnel Road potholes and alligator effect of failing asphalt.  
LLCD maintenance shed visible in background.





Portion of Tunnel Road subject of request highlighted in blue

Lentz Paving LLC  
P.O. Box 87  
Bloomington IN 47402-0087

# Estimate

Date

3/26/21

Name / Address

Lake Lemon Conservancy District  
Attn: Adam W Casey  
7599 N Tunnel Rd  
Unionville, IN 47468

Terms

Other

On Completion

Description	Total
<b>GRAVEL ROAD EXTENSION TO CONSERVANCY PROPERTY LINE</b>	8,950.00
Excavate failed areas in drive and install new crushed stone base.	
Fine grade and compact approx. 200 sq. ft. of existing stone.	
Pave area approx. 2,800 sq. ft. with an average of 3" of HMA #9 Surface and roll for compaction.	

We propose to and hereby furnish materials and labor - complete, in accordance with the above specifications. Note: this proposal may be withdrawn by us if not accepted within 7 days.

Estimate prepared by: \_\_\_\_\_

Acceptance of proposal: the above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work specified. Payment will be made as outlined above.

Signature: \_\_\_\_\_

Date of Acceptance: \_\_\_\_\_

**Total**

\$8,950.00

Prices are subject to change due to rising oil prices. We will lock in pricing when proposal is accepted. Ponding may occur in areas with less than a 1% slope. Reflective cracking may occur.

**Lake Lemon Conservancy District**  
**Board Meeting Agenda Item**

<b>Presenter</b>	<b>Adam Casey, District Manager</b>
<b>Action Requested</b>	Discussion/Approval
<b>Item/Subject</b>	2021/22 IU Water Testing Agreement and 2020 Summary
<b>Dollar Amount</b>	\$19,027.00
<b>Meeting Date</b>	April 22nd, 2021
<b>Summary</b>	Review and approve the 2021/22 IU Water Testing Agreement.
<b>Staff Recommendation</b>	Approve the 2021/22 IU Water Testing Agreement.



**LAKE LEMON MONITORING PROGRAM**  
**2020 Results Summary**



**Prepared for:**

**Lake Lemon Conservancy District**

**Prepared by:**

**Sarah Powers**

**School of Public & Environmental Affairs**

**Indiana University**

**Bloomington, Indiana 47405**

# Lake Lemon 2020 Water Monitoring Overview

The Lake Lemon Conservancy District (LLCD) began contracting Indiana University in 1998 to monitor water quality of the lake and incoming tributaries. Figure 1 shows the sampling locations for Lake Lemon and the tributaries in 2020. IU has provided full sampling methods to the LLCD. Figure 2 displays precipitation during the sampling season with individual sampling events indicated. Two storm event samples were collected on May 18 and July 23, 2020.

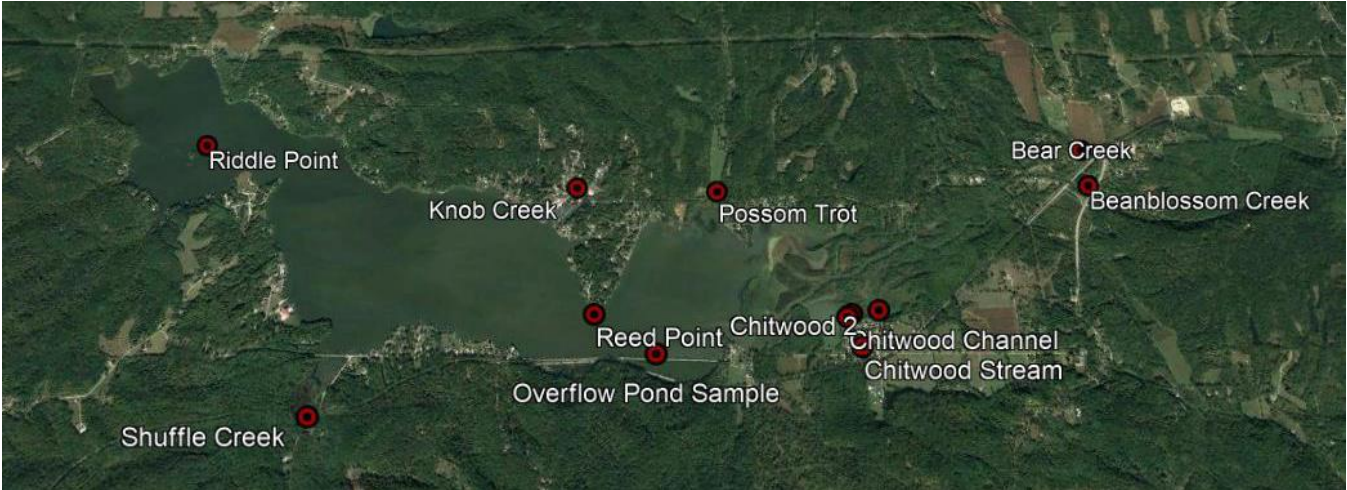


Figure 1. Sampling locations for the Lake Lemon Water Monitoring Program.

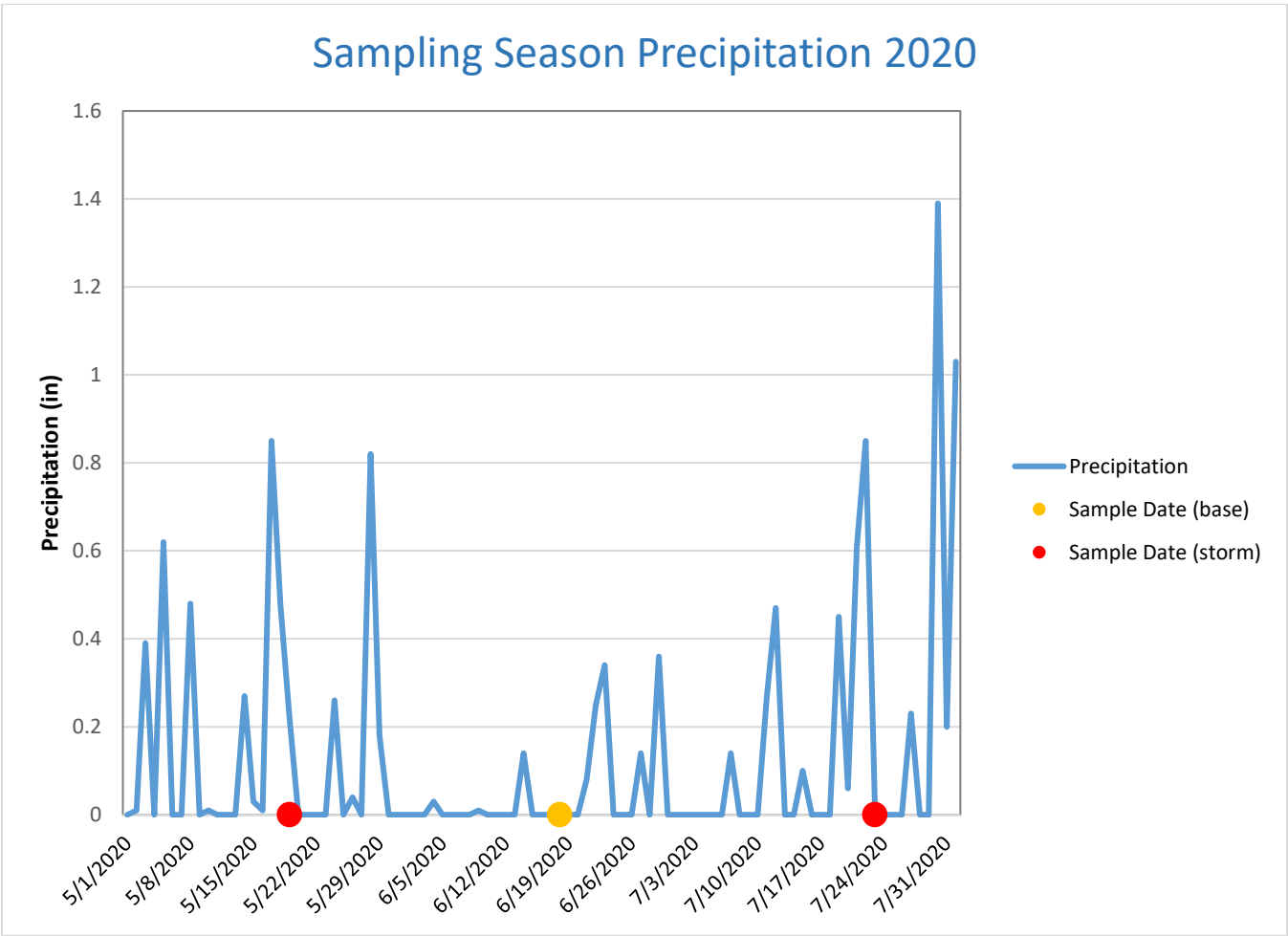


Figure 2. Precipitation amounts during the 2020 sampling season.

Lake Lemon 2020 Summary Results

**Temperature and Dissolved Oxygen** IU collected a full profile of temperature and dissolved oxygen from one-meter depth increments through the water column at Riddle and Reed Point in Lake Lemon. The temperature profile illustrates the seasonal variation in water temperature and thermal stratification that occurs as the surface water warms. The upper 3 meters of water remained oxygenated during all three sampling events at Riddle Point (Figure 3). The late July dissolved oxygen concentrations averaged 8.825 mg/L in the epilimnion, a slight decrease of approximately 0.3 mg/L respectively from the sample collected during July of 2019 at Riddle Point. Anoxic conditions develop below 4 meters depth as organic matter on the lake bottom creates biochemical oxygen demand (BOD) that breaks down the organic matter consuming available oxygen. Stratification of the surface water reduces mixing of oxygen in the deeper water. The shallow depth of Reed Point and lake turbulence usually keep this area of the lake well mixed and oxygenated, however later this season, we saw hypoxic conditions approaching anoxia at 3 meters depth in June and July (Figure 4).

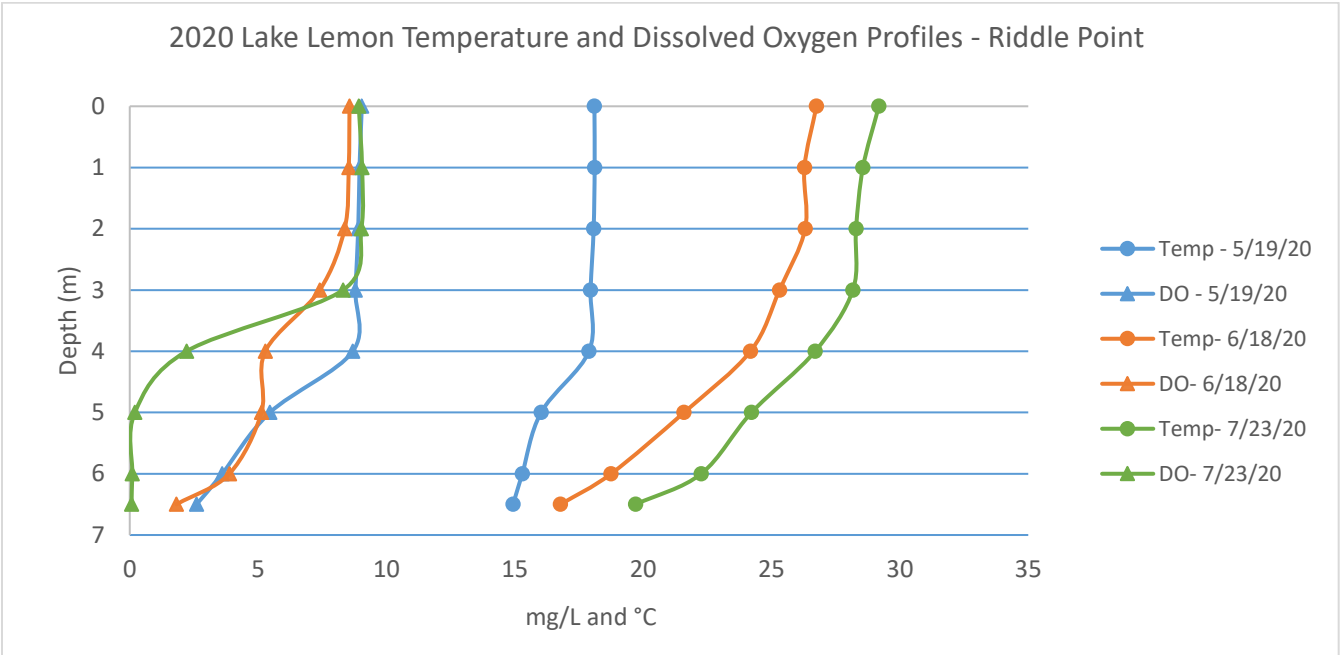
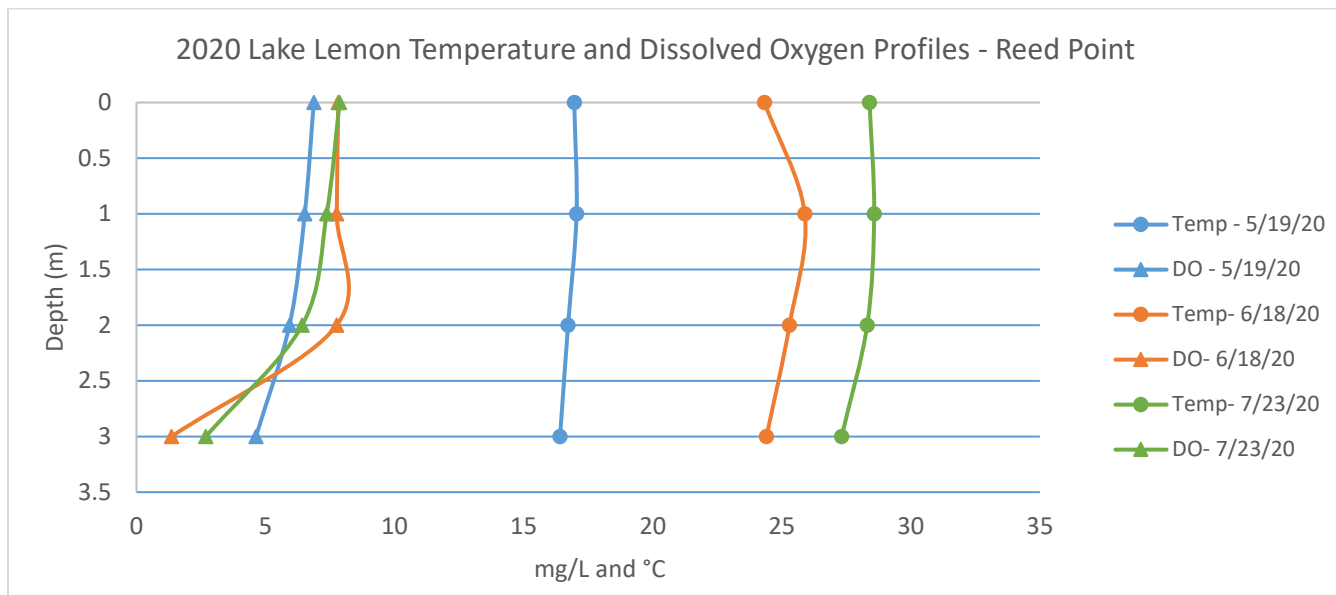


Figure 3. Temperature and dissolved oxygen profiles from all sample dates from Indiana University at Riddle Point in 2020.



**Figure 4. Temperature and dissolved oxygen profiles from all sample dates from Indiana University at Reed Point in 2020.**

**Water Quality Summary** IU collected epilimnion samples from the top 2 meters of the water column and hypolimnion at 6 meters depth (19.7 ft) at Riddle Point. IU collected samples in the epilimnion only at Reed Point.

**Table 1. Water Quality Characteristics of Lake Lemon – Riddle Point and Reed Point, 5/19/2020.**

Parameter	Riddle		Reed
	Epilimnion	Hypolimnion	Epilimnion
Secchi (m)	1.15	--	0.45
Light trans @ 1m (%)	12.9	--	5.1
1% Light Level (ft)	6	--	5
% Water Column Oxic	100	--	100
pH	7.35	10.81	7.28
Conductivity (uS/cm))	174.59	168.75	170.31
Alkalinity (mg/L)	50.7	--	51.8
Nitrate (mg/L)	0.06	0.0625	0.17
Ammonia (mg/L)	0.039	0.077	0.051
Total Nitrogen (mg/L)	0.406	0.357	0.569
Orthophosphate (mg/L)	0.006	0.003	0.005
Total Phosphorus (mg/L)	0.019	0.020	0.028
Chlorophyll- <i>a</i> (ug/L)	6.80	--	7.39
Plankton (Cells/ml)	2,699	--	2,449
Plankton (#/L)	1,319,409	--	1,174,829
% HAB Biovolume	0	--	3
% Blue-green Biovolume	10	--	15
<i>E. coli</i> (#/100 mls)	96	--	912

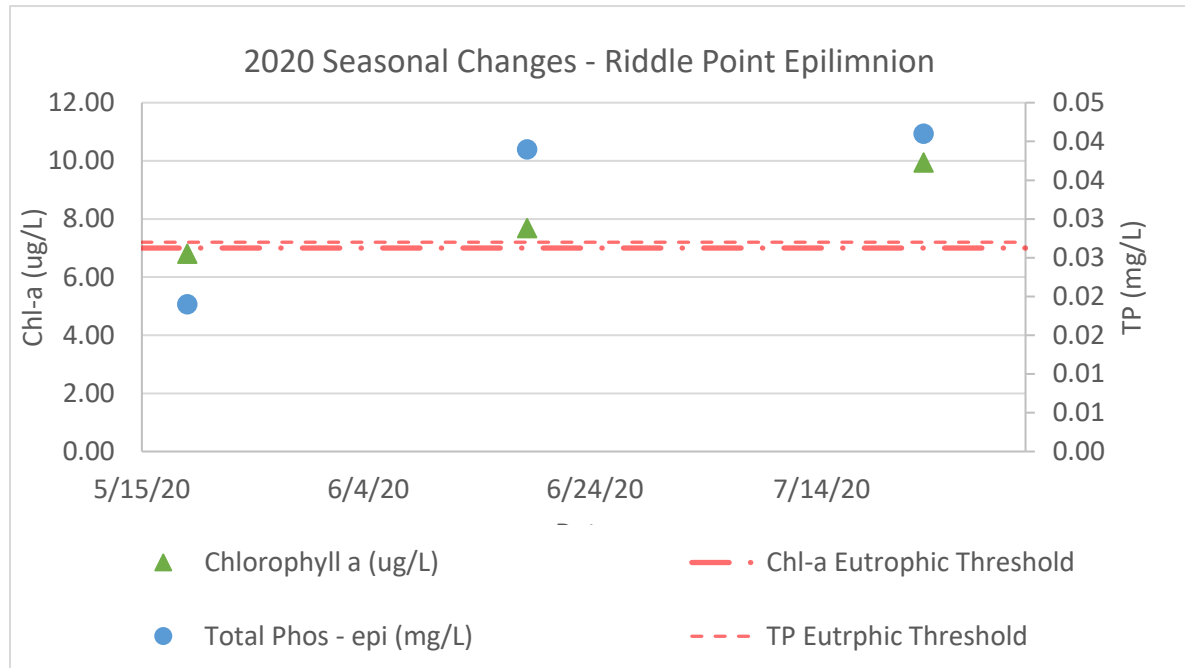
**Table 2. Water Quality Characteristics of Lake Lemon – Riddle Point and Reed Point, 6/18/2020.**

Parameter	Riddle		Reed
	Epilimnion	Hypolimnion	Epilimnion
Secchi (m)	1.0	--	1.45
Light trans @ 1m (%)	15.0	--	9.9
1% Light Level (ft)	9.5	--	5
% Water Column Oxic	100	--	100
pH	7.33	6.95	8
Conductivity (uS/cm)	177	212.8	201.01
Alkalinity (mg/L)	61.7	66.0	65.7
Nitrate (mg/L)	0.026	0.0215	0.063
Ammonia (mg/L)	< 0.014	0.0715	< 0.014
Total Nitrogen (mg/L)	0.527	0.578	0.6385
Orthophosphate (mg/L)	0.004	0.0875	0.007
Total Phosphorus (mg/L)	0.039	0.043	0.051
Chlorophyll-a (ug/L)	7.69	--	9.74
Plankton (Cells/ml)	10,292	--	13,627
Plankton (#/L)	2,517,321	--	3,427,236
% HAB Biovolume	8	--	11
% Blue-green Biovolume	21	--	33
<i>E. coli</i> (#/100 mls)	4	--	4

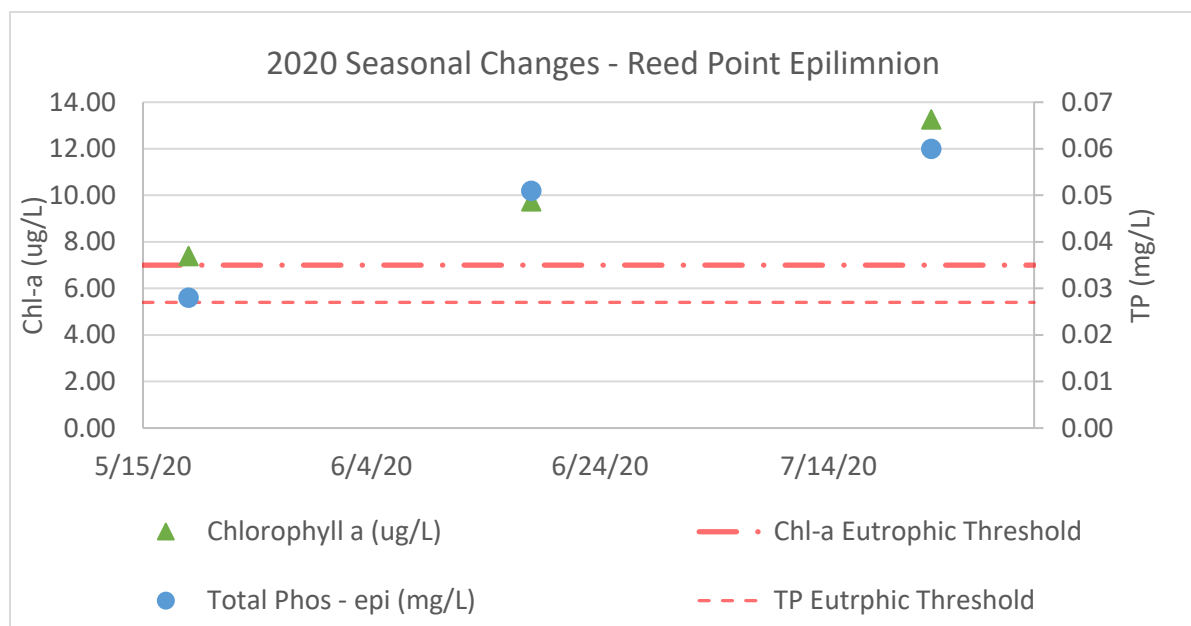
**Table 3. Water Quality Characteristics of Lake Lemon – Riddle Point and Reed Point, 7/23/2020.**

Parameter	Riddle		Reed
	Epilimnion	Hypolimnion	Epilimnion
Secchi (m)	0.7	--	0.6
Light trans @ 1m (%)	6.2	--	3.9
1% Light Level (ft)	6	--	5
% Water Column Oxic	100	--	100
pH	10.6	9.2	10.31
Conductivity (uS/cm)	203.58	267.23	214.54
Alkalinity (mg/L)	69.45	96.5	72.5
Nitrate (mg/L)	< 0.008	0.0165	< 0.008
Ammonia (mg/L)	< 0.014	0.5305	< 0.014
Total Nitrogen (mg/L)	0.787	1.0695	0.761
Orthophosphate (mg/L)	0.004	0.090	0.005
Total Phosphorus (mg/L)	0.041	0.1525	0.060
Chlorophyll-a (ug/L)	9.95	--	13.26
Plankton (Cells/ml)	252,585	--	217,151
Plankton (#/L)	48,331,043	--	46,229,801
% HAB Biovolume	90	--	67
% Blue-green Biovolume	3	--	12
<i>E. coli</i> (#/100 mls)	0	--	0

**Chlorophyll-*a***, which is a measure of the primary pigment in algae, is a direct measure of algal productivity. In the integrated samples from the surface to the 2-meter depth, the chlorophyll-*a* concentrations ranged from 6.80 µg/L in May to 13.26 µg/L in late July. Chlorophyll-*a* concentrations >7 µg/L are indicative of eutrophic lake conditions. Overall, we see a seasonal pattern of nutrient increase by late summer as total phosphorous concentrations increase, which is characteristic of Lake Lemon. This pattern is mirrored by increases in chlorophyll-*a* concentrations. This suggests that conditions exist for increasing growth of algae (Figures 5 and 6).



**Figure 5. Seasonal changes in total phosphorus and chlorophyll-*a* in the surface waters (epilimnion) at Riddle Point in Lake Lemon in 2020.**



**Figure 6. Seasonal changes in total phosphorus and chlorophyll-*a* in the surface waters (epilimnion) at Reed Point in Lake Lemon in 2020.**

**Beach and Tributary Samples** IU collected turbidity and *E. coli* samples around the Lake Lemon watershed in 2020 (Tables 4 and 5). The state standard for full body contact and recreation is 200 colonies per 100mLs.

**Table 4. Tributary *E. coli* for 2020.**

	<i>E. coli</i> (#/100 mls)	<i>E. coli</i> (#/100 mls)
	<b>5/20/20</b>	<b>7/23/20</b>
<b>Chitwood #1</b>	11,100	100
<b>Chitwood #2</b>	576	120
<b>Chitwood Channel</b>	860	80
<b>Chitwood Stream</b>	650	3,200
<b>Beanblossom Creek</b>	2,000	1,200
<b>Bear Creek</b>	240	1,000
<b>Knobb Creek</b>	1,440	160
<b>Possom Trot</b>	180	100
<b>Shuffle Creek</b>	100	60

**Table 5. Beach *E. coli* for 2020.**

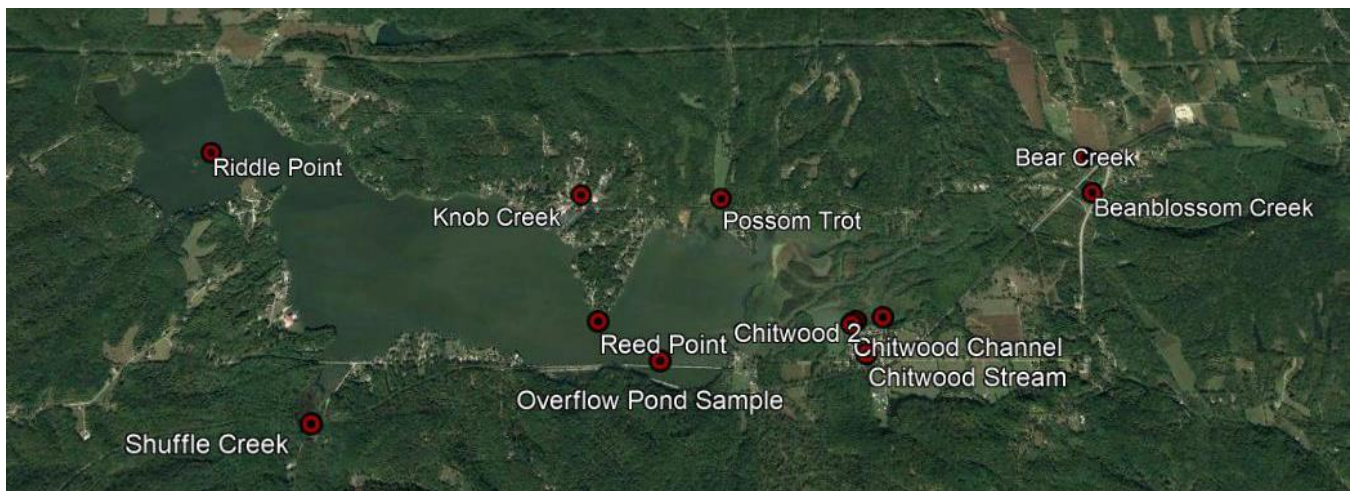
<b>Lake Lemon Beach</b>	<i>E. coli</i> (#/100 mls)
<b>5/25/20</b>	8
<b>6/2/20</b>	10
<b>6/9/20</b>	3
<b>6/17/20</b>	10
<b>7/6/20</b>	130
<b>7/13/20</b>	48
<b>7/20/20</b>	150
<b>7/27/20</b>	26
<b>8/3/20</b>	140
<b>8/11/20</b>	124
<b>8/20/20</b>	16
<b>8/25/20</b>	4
<b>8/27/20</b>	4
<b>9/2/20</b>	0



In order to help identify the problem areas for bacteria and sediment, IU has continued sampling at additional sampling sites (Figures 7 and 8). The LLCD and IU selected sites in an attempt to address concerns of citizens and to identify solutions for bacteria challenges. Storm sample collections on 5/19/2020 and 7/23/2020 demonstrate possible worst-case scenarios for bacteria in the lake. These concentrations are well over full body contact standards during many sampling events.

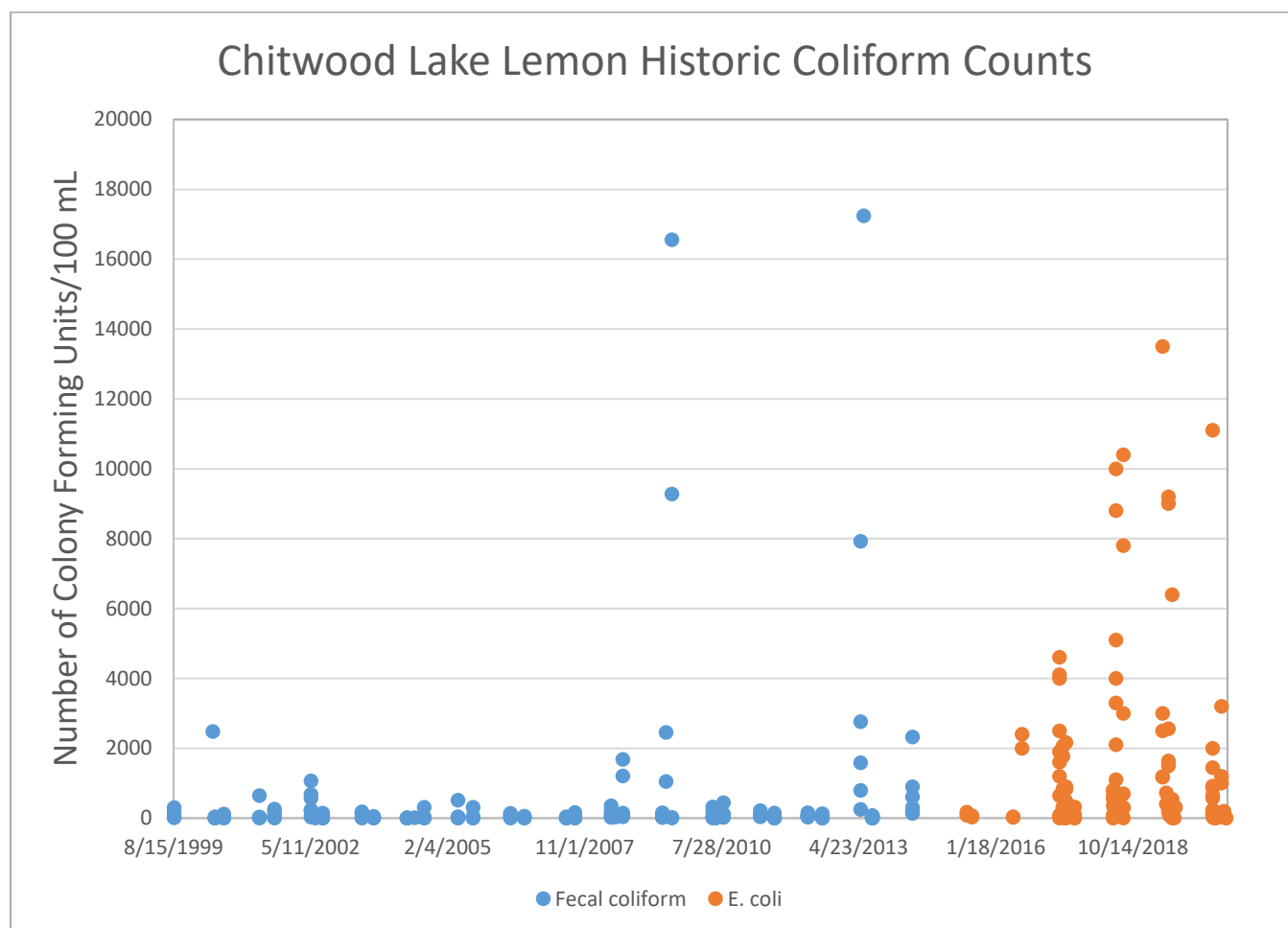


**Figure 7. Sampling locations for the Lake Lemon Water Monitoring Program for the Chitwood area for 2017 to 2020.**



**Figure 8. Sampling locations for the Lake Lemon Water Monitoring Program for the Chitwood area for 2020.**

The LLCD Board asked us to look at the historical bacteria trends. The results from sampling events at the Chitwood sites show the water exceeds EPA standards for recreation over 50% of the time, for *E. coli* from 2015-2020 (Figure 9).



**Figure 9. Changes in Fecal Coliform and *E. coli* concentrations in Chitwood area as part of the Lake Lemon watershed during sample events from 1999 to 2020. Note that 72 of the 134 events from 2015 to 2020 exceeded 200 CFU/100 mLs. (Five outliers were removed for display purposes).**

**Trophic State.** The trophic state of a lake helps characterize the level of productivity and the expected life that may exist in a lake. The overall classifications of lakes can help with comparison across lakes as well as from year to year. We use Carlson's Trophic State as it was developed based on lakes similar to those in Indiana.

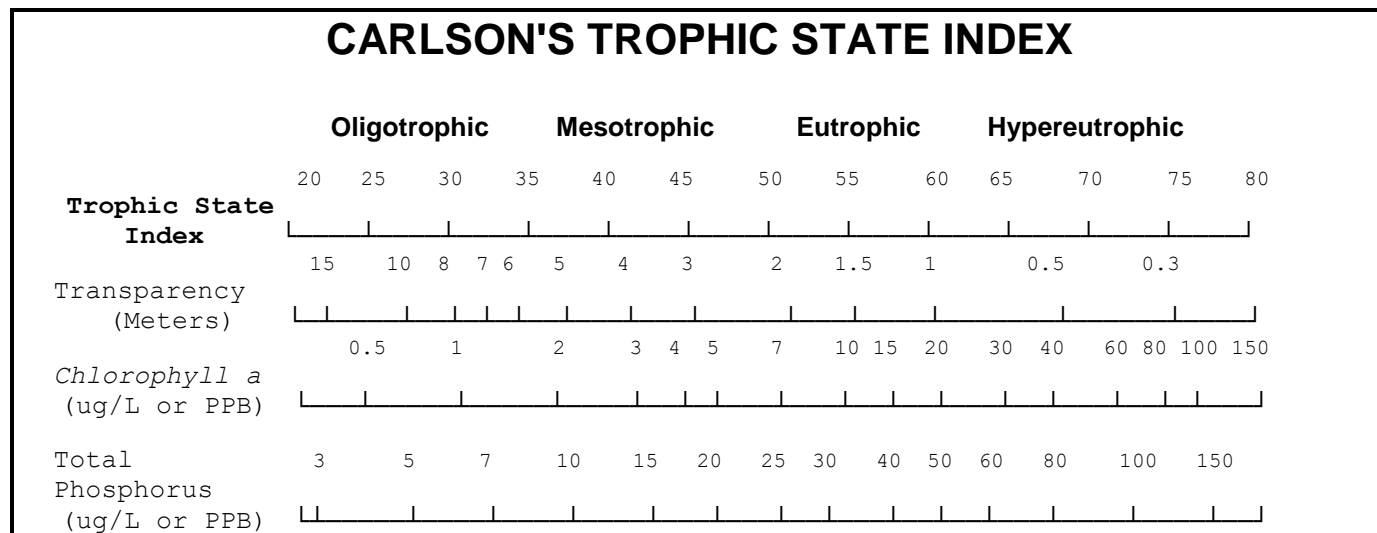


Figure 10. Carlson's trophic state index.

Table 6. Characteristics of trophic state categories.

Classification	Transparency	Nutrients	Algae	D.O.	Fish
<b>Oligotrophic</b>	clear	Low TP < 6 µg/L	few algae	Hypo has D.O.	can support salmonids (trout and salmon)
<b>Mesotrophic</b>	Less clear	Moderate TP 10-30 µg/L	healthy populations of algae	Less D.O. in hypo	lack of salmonids
<b>Eutrophic</b>	transparency <2 meters	High TP > 35 µg/L	abundant algae and weeds	No D.O. in the hypo during the summer	Warmwater fisheries only. Bass may dominate.
<b>Hypereutrophic</b>	transparency <1 meter	extremely high TP > 80 µg/L	thick algal scum Dense weeds	No D.O. in the hypo during the summer	Rough dominate. Summer fish kills possible.

We use Riddle Point Carlson TSI scores to look at the historic trend for Lake Lemon demonstrating that the lake is generally characterized as eutrophic. Figures 11-13 illustrate the Carlson TSI historic trends for Secchi disk, total phosphorus, and chlorophyll-*a*. Overall, a pattern of seasonal variation of lower scores (less eutrophic) in the spring and increasing trophic state to eutrophic/hypereutrophic status by late summer.

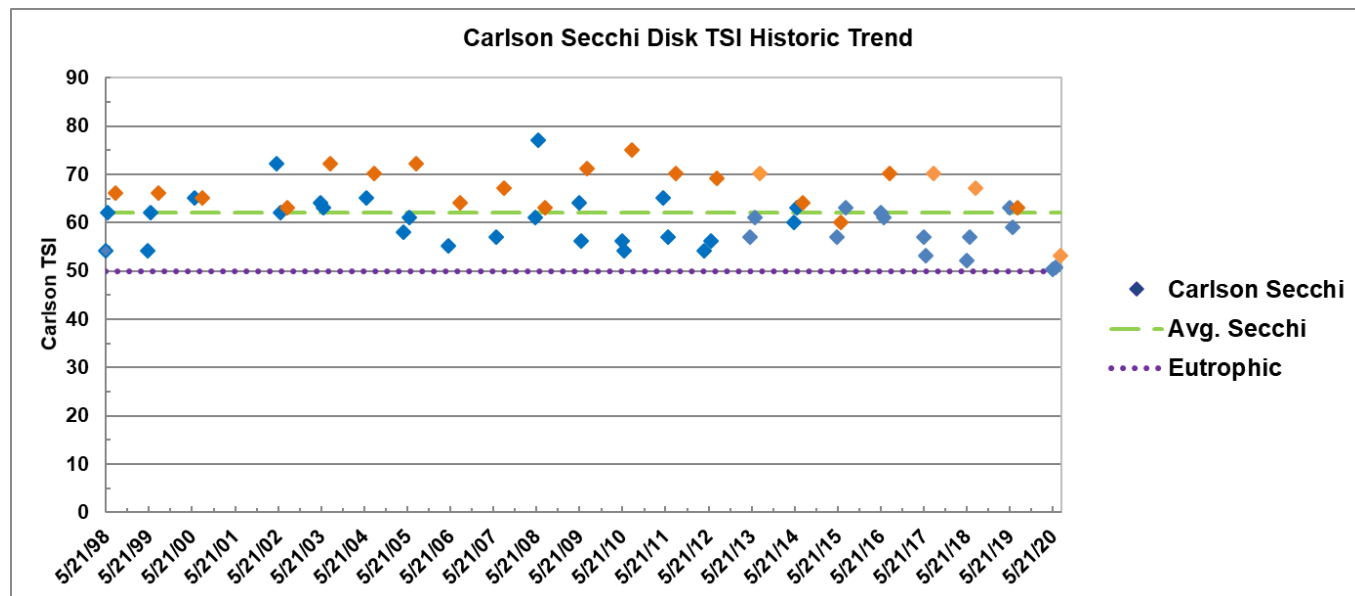


Figure 11. The 22-year historic trend for Carlson Secchi disk TSI scores in blue and orange. Orange diamonds represent the last summer samples, usually late July or August. The 22-year mean for Secchi disk readings of 62 is above the Carlson TSI eutrophic status score of 50 (purple dotted line).

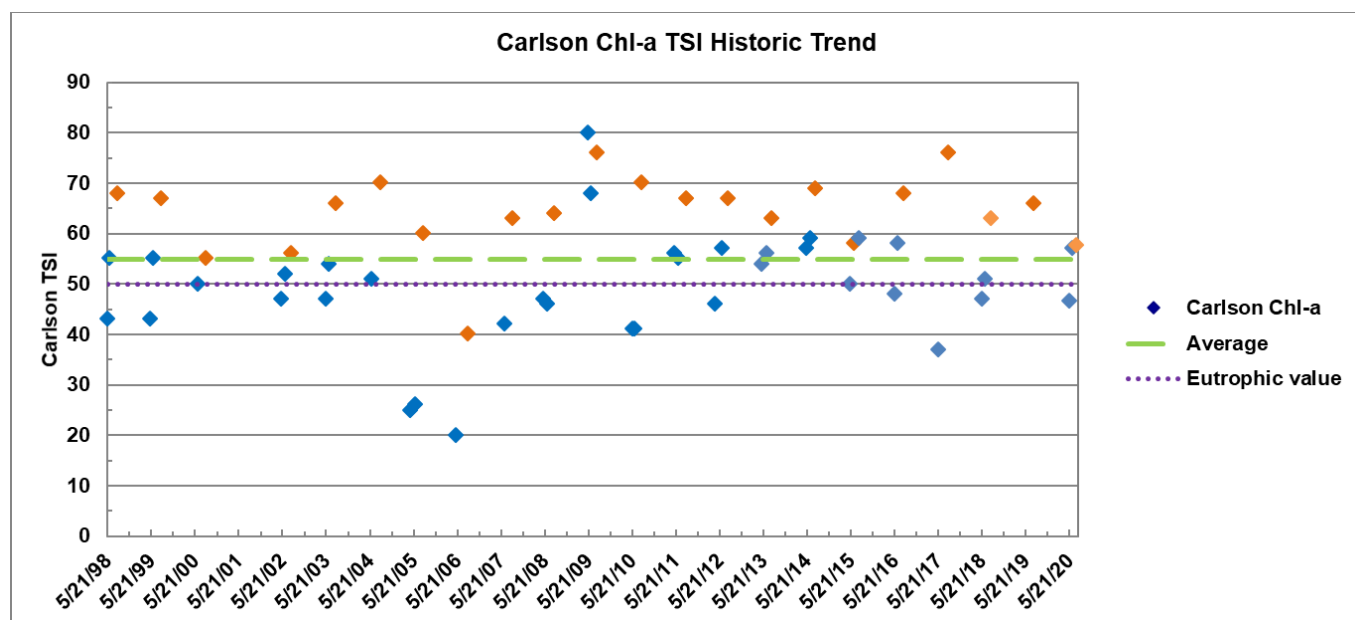


Figure 12. The 22-year historic trend for Carlson chlorophyll-*a* TSI scores in blue and orange. Most late-summer samples, shown in orange, score above the mean for eutrophic status. The 22-year mean is just above the Carlson TSI eutrophic status score of 50 (purple dotted line).

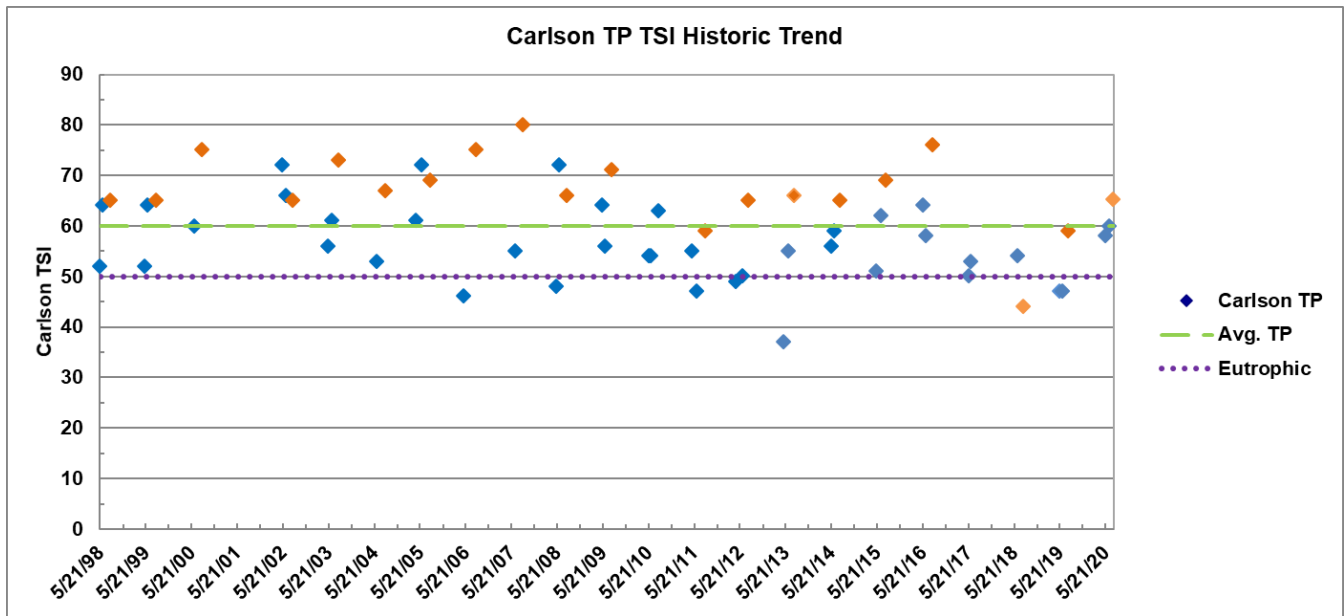


Figure 13. The 21-year historic trend for Carlson total phosphorus TSI scores in blue and orange. All late-summer samples, shown in orange, score above the mean for eutrophic status save for one in 2018. The 22-year mean for TP of 60 is above the Carlson TSI eutrophic status score of 50 (purple dotted line).

## Lake Lemon Water Monitoring Conclusions and Recommendations

Harmful algal blooms (HABs), algae groups that are known toxin producers, continue to be an area of concern for the lake. May and June samples at Riddle Point remained below the 100,000 cells/mL threshold for recreation advisories. The late July sample did exceed this threshold at approximately 252,600 cells/mL with over 90% of biovolume in the HAB grouping. In previous recommendations we have discussed development of a HAB response plan. We have been working with the Lake Manager to develop this plan. As part of the plan, we recommend continuing to monitor algal blooms this summer and use the contract lab Phycotech for a speed and consistency. We recommend bi-weekly beach monitoring for HABs and will continue to monitor the Overflow Pond, Reed, and Riddle Point during normal sampling events in May and July/August. We recommend placing signage at the boat launch and beach that provides information on HABs and the use of a color-coded warning system for recreation. The LLCD should also purchase rapid toxin test from Abraxis for algal toxin monitoring should we identify a bloom. <https://abraxis.eurofins-technologies.com/home/products/rapid-test-kits/algal-toxins/algal-toxin-test-strip-kits/>

Bacteria issues still are a challenge in the incoming tributaries to the lake. We will continue to monitor the stream inlets but recommend that we reduce the number of samples in the Chitwood area as they are currently working on plans to correct the challenges. We recommend collecting one sample at the outlet of the channel network as it mixes with the lake. We recommend continuing to monitor the additional add on sites from last summer to try to identify additional areas of concern. Bacteria source tracking analysis is being done in the Beanblossom Watershed in late April or early May (weather dependent) and will hopefully offer better understanding of where we should target future efforts.

Additional data was collected by the O'Neill School Limnology Lab on the Overflow Pond with additional samples collected for comparison at other sites. That data was not included in this report as it was not part of the original project scope and contract. We will do additional analysis of that data upon request. All data from that analysis has been shared with the Lake Manager.

Further conclusions and recommendations are pending discussion with Lake Manager and Board of Directors.

## **Lake Lemon Monitoring Program**

**2021-2022**

### **Scope of Service:**

This document explains the scope of service proposed to the Lake Lemon Conservancy District for the 2021-2022 monitoring years. Upon agreement of this scope of work we will send a formal contract for signature.

#### Major changes to past work include:

E. coli monitoring at the beach for both sampling years. Beach sampling was handled through a contract amendment on the last contract for one year only.

Analysis of additional algal samples as part of the harmful algal bloom (HAB) monitoring and response plan. In addition, due to speed and consistency these samples will be contracted out to Phycotech for analysis. Cost have been added to this budget including sample shipping and handling.

#### Project Budget:

Total budget is \$19,027 to be broken down into 3 payments. The largest increase in the budget this year is in response to the HAB monitoring plan that will cost approximately \$5,100 for phytoplankton analysis. This includes overnight shipping of biweekly beach samples and contract analysis cost.

#### Budget justification:

Increasing cost are always a challenge, but we feel the additional monitoring of the beach offers the LLCD piece of mind in protecting freeholders and the public. We have been diligent in providing timely results and information to the Lake Manager over the past two years to guide decision making. IU has waived the 32% indirect overhead cost on the Lake Lemon Monitoring Program from the start of this project and continues to do so. This cost is typically added to a project to cover infrastructure fees and support staff. The O'Neill School values our relationship with the LLCD and the learning experience it provides to our students and staff.

## **1.0 INTRODUCTION**

The Lake Lemon Conservancy District (LLCD) has entered into a lease agreement with the City of Bloomington Utilities Service Board (USB) to maintain Lake Lemon in such condition necessary to protect the lake's water quality consistent with its potential use as a drinking water source. LLCD also agreed to maintain the lake in such condition to meet all state and federal requirements for recreational waters and to maintain the quality of the water in the lake at least at its present level.

The LLCD has requested assistance from the O'Neill School of Public and Environmental Affairs (SPEA) to provide long-term monitoring of the lake's condition. The purpose of this contract is to establish the

monitoring program and fees necessary for LLCD to meet the monitoring requirements of the USB for the years of 2021 through 2022.

## 2.0 WATER QUALITY SAMPLING AND ANALYSIS

**In-Lake Sampling.** Previous studies (Zogorski et al., 1986; Jones and Clemency, 1992) have shown that water characteristics in Lake Lemon follow typical patterns for run-of-the-river reservoirs. The eastern end is riverine in nature and is influenced strongly by Beanblossom Creek. The western end is more lake-like (*lacustrine*), and the middle is a transitional zone. To characterize these differences, the established protocol specifies sampling the lake in at least two locations - at mid-lake just east of Reed Point, and near Riddle Point over the deepest water in the lake. One set of samples will be collected during the spring and another set during July/August of 2021 and again in 2022.

At each of the two sampling sites, we will collect water samples for the following parameters with a two meter integrated surface sample (*epilimnion*) and from one meter off the bottom when a clear thermal gradient is present (*hypolimnion*):

- acid neutralizing capacity
- total phosphorus
- soluble reactive phosphorus
- nitrate+nitrite
- ammonia
- total organic nitrogen (in the form of TN)

These samples will be placed into an appropriate bottle with preservative (if needed) and stored in an ice chest until analysis in O'Neill Limnology laboratory.

Temperature, dissolved oxygen, turbidity, conductivity and pH will be measured at one-meter depth intervals from the surface to the bottom at each lake site using in situ measurement. At each lake site, the following additional collections or measurements will be made:

- Secchi depth transparency
- determination of the one percent light level (Beckman Enviroeye)
- chlorophyll *a* (in epilimnion only; filtered in the field and stored on ice)
- zooplankton genera density (tow from 1 meter from the bottom with a 55 micron net)
- phytoplankton genera density (2 meter integrated sample) – analysis through contract with Phycotech with 4 week turn around time
- *E. coli* bacteria (from epilimnion only)

Results from the lake analyses will be used to calculate the Carlson Trophic State Index according to IDEM guidelines. The trophic state index is a useful tool for tracking water quality changes over time. All analyses will be conducted using methods consistent with *Standard Methods for the Examination of Waters and Wastewater, 20th Edition* (APHA, 2005). A quality assurance and quality control (QA/QC) plan is available for the O'Neill Limnology lab.

**Overflow Lake Sampling.** Lake Lemon has a history of eutrophic lake conditions and a legacy of nutrient rich sediments within the lake in addition to the annual watershed load. The most eastern overflow pond experiences algal blooms of *Cylindrospermopsis* that has resulted in concern within the lake community. We will sample this water body during each lake sampling event for algae. Surface phytoplankton grab samples will be collected from the road access point. Samples will be enumerated by Phycotech with a 4 week turn around time.

**Stream Sampling.** Because Lake Lemon's condition is heavily influenced by runoff from its watershed, it is also important to monitor the main inlet to the lake - Beanblossom Creek. Up to 80% of the annual sediment and nutrient load into a lake comes during the 4-5 largest runoff events. Therefore, we will sample Beanblossom Creek in the spring and summer of 2021 and 2022 during lake sampling events and an additional sample during a runoff event. The following parameters will be measured: temperature, dissolved oxygen, pH, alkalinity, conductivity, SRP, total phosphorus, nitrate+nitrite, ammonia, organic nitrogen, turbidity, and E. coli bacteria. .

Additional samples for E. coli bacteria and turbidity will be collected on both sampling dates and during a runoff event at the following locations:

Shuffle Creek, Chitwood (one sample only at the main outlet), Bear Creek, Possum Trot, and Knobb Creek.

**Beach Sampling.** IU O'Neill School Limnology Lab will process bacteria samples for compliance with state beach monitoring protocols weekly starting April 26<sup>th</sup> in 2021. Results will be reported to the LLCD and the Monroe County Health Department Weekly. In addition to bacteria analysis the Limnology Lab will collect by-weekly samples for harmful algal blooms (HAB's) and send for analysis at Phycotech with a three day processing time to allow for timely monitoring of the occurrence of HAB's. HAB analysis is critical in early detection and safety regarding the past occurrences of HAB's in Lake Lemon.

**Additional Sampling and Analysis.** In the event that concerns arise during the contract period that warrant additional sampling and analysis cost will be billed directly to the LLCD for Lake Sampling or HAB analysis. Specifically, the contract has a bi-weekly sampling built in for HAB analysis at the beach to reduce cost, however if a bloom is detected and more sampling is needed the contract would allow us to have those cost billed directly from the contractor or IU to the LLCD.

### **3.0 PRODUCTS PRODUCED**

SPEA will prepare an annual written summary documenting the results of the monitoring efforts for each year. The report will include a determination of the Carlson Trophic State Index for each lake site and for each sampling date. All data will be included in tables and interesting trends will also be displayed in graphs. Additionally, summary reports will compile historic data and long term trends. The current year's data will be compared to historical data to assess relative changes in the lake.

SPEA will also be available to present its report and answer questions to the LLCD Board.

### **4.0 CAPABILITIES AND QUALIFICATIONS**



**Melissa Laney, School of Public and Environmental Affairs, Indiana University**  
**Limnologist, Director of the Indiana Clean Lakes Program, Certified Lake Professional**

Melissa has managed the SPEA Limnology Laboratory for the last 14 years. Taking on the full direction of the lab in 2011, Melissa continues to manage the Indiana Clean Lakes Program, various Lake and River Enhancement projects, and monitoring Lake Lemon Water Conservancy District. Melissa has also been part of the SPEA faculty since 2000 (Senior Lecturer). She teaches Limnology, Lake and Watershed Management, Water Resources, Aquatic Habitat Analysis, Environmental Sustainability among others. For the Limnology Laboratory she is responsible for training all graduate students employed on all laboratory projects for field and laboratory methods. Melissa maintains and operates all analytical instruments and ensures laboratory Quality Assurance/Quality Control (QA/QC) that meet the requirements of the U.S. EPA and IDEM. With our rigid quality control and chain-of-custody project samples never leave their hands. They never deliver samples to a contract lab (expect *E. coli* for distant contracts). Melissa and the Limnology Laboratory are responsible for water quality sampling, conducting biological and physical habitat assessments. The Limnology Laboratory then processes and analyzes all samples for report writing.

**Sarah Powers, School of Public and Environmental Affairs, Indiana University**  
**Limnologist, Laboratory Manager & Research Associate, Citizen Science Coordinator**

Sarah manages the O'Neill School Limnology Laboratory. Sarah maintains and operates all analytical instruments and ensures laboratory Quality Assurance/Quality Control (QA/QC) that meet the requirements of the U.S. EPA and IDEM. She prepares Quality Control samples, compiles QA/QC results and performs corrective action when necessary. Another large portion of Sarah's CLP responsibility focuses on the citizen lake water monitoring. Currently, Sarah coordinates with ~80 volunteers around the state. Sarah has worked to expand the current program to include invasive species monitoring and harmful algal blooms. Sarah continues to conduct workshops throughout the state preparing volunteers for invasive species surveys. In addition to laboratory work and lake stewardship, Sarah takes on the Adjunct Faculty role at SPEA where she teaches Introduction to Environmental Science, Techniques in Environmental Science, and Aquatic Habitat Analysis.

Qualified graduate students from SPEA's Master of Science in Environmental Science Program will assist with the collection and analysis of samples collected under this contract.

## **5.0 REFERENCES CITED**

- APHA. 2000. Standard Methods for the Examination of Water and Wastewater, 20th edition. American Public Health Association, Washington, D.C.
- Jones, W.W. and L. Clemency. 1992. Lake Lemon T by 2000 Feasibility Study. School of Public and Environmental Affairs, Indiana University, Bloomington.
- Zogorski, J.S., W.W. Jones, and nine others. 1986. Lake Lemon Diagnostic/Feasibility Study. School of Public and Environmental Affairs, Indiana University, Bloomington, Indiana.

**Lake Lemon Conservancy District**  
**Board Meeting Agenda Item**

<b>Presenter</b>	<b>Adam Casey, District Manager</b>
<b>Action Requested</b>	N/A
<b>Item/Subject</b>	Public Access Counselor Response
<b>Dollar Amount</b>	N/A
<b>Meeting Date</b>	April 22nd, 2021
<b>Summary</b>	Statement from LLCD concerning the Public Access Counselor's opinion.
<b>Staff Recommendation</b>	N/A



# *Lake Lemon Conservancy District*

4/22/21

Lake Lemon Conservancy District

## Statement Regarding Public Access Counselor Opinion

On December 21<sup>st</sup> 2020, the Lake Lemon conservancy District received a notification of two formal complaints from the Indiana Public Access Counselor (PAC) under the Open Door Law. The two complaints were, 1<sup>st</sup> in regards to the legality of an Executive Session that was held on June 20, 2020; and a 2<sup>nd</sup> complaint that the Board limited of public input during a public bond hearing on July 18<sup>th</sup>, 2020. The June 20 executive session was held under a specific section of the Open Door law involving reviewing misconduct of an officer of the board by reaching beyond his authority to obligate the district to a financial arrangement other than what was approved by the Board. The Public Bond Hearing does not fall under the purview of the PAC as it is required under a different statute governing bond hearings, on which the LLCD was advised by its bond counsel. Furthermore, according to the law, *A formal complaint under the open door law must be filed within thirty (30) days of the alleged wrongdoing.* The LLCD concluded the complaints, which were received by the public access counselor in December 2020, does not meet the statutory requirement of timeliness, and should not have been taken up by the public access counselor at all. Based on guidance from LLCD Counsel, we concluded that the Public Access Counselor's opinion is erroneous and without legal merit. No further action on this issue will be taken by the LLCD.

**Lake Lemon Conservancy District**  
**Board Meeting Agenda Item**

<b>Presenter</b>	<b>Adam Casey, District Manager</b>
<b>Action Requested</b>	Approval
<b>Item/Subject</b>	Sealed Bid Opening
<b>Dollar Amount</b>	N/A
<b>Meeting Date</b>	April 22nd, 2021
<b>Summary</b>	Open and read sealed bids for the Upland Disposal site Earth Work.
<b>Staff Recommendation</b>	N/A