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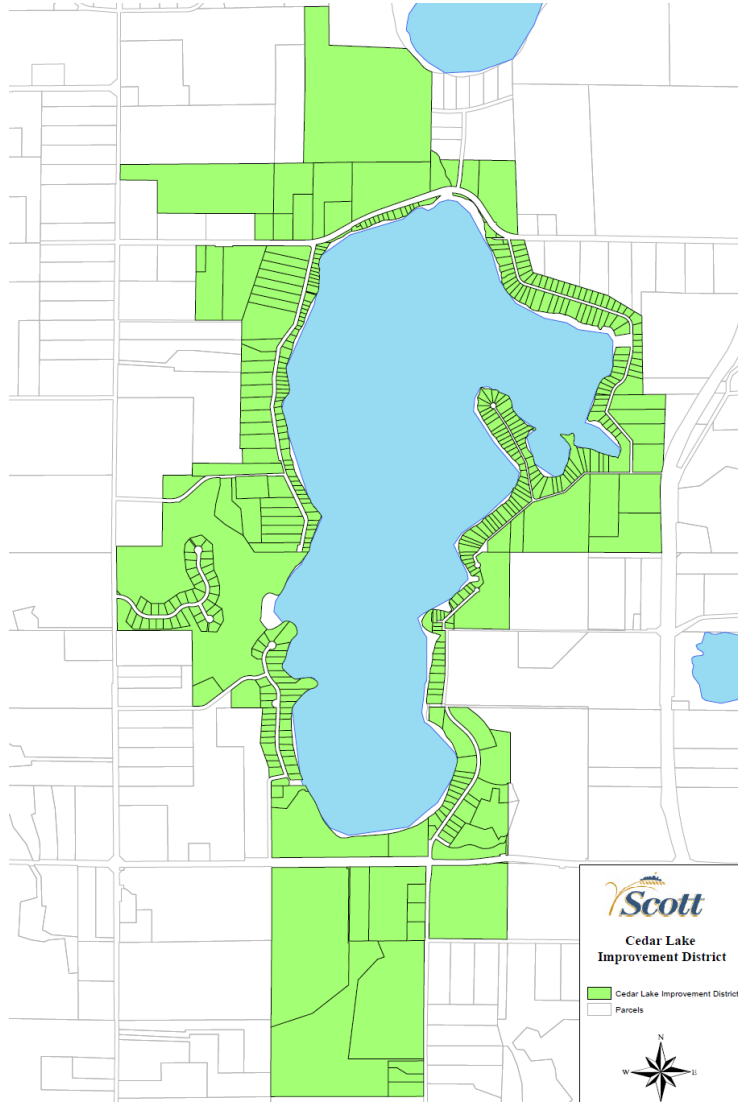
Annual Meeting
April 8, 2024



Agenda

- INTRODUCTION: Tim Schroeder
- BOARD MEMBER RECRUITMENT/ELECTIONS: Tim Schroeder
- CARP UPDATE: Paul Hoyt
- FACEBOOK & WEBSITE: John Tuschner
- CEDAR LAKE TURION SURVEY- Melissa Bokman Ermer SWMO
- CURLY LEAF PONDWEED TREATMENT COSTS TO DATE: Tim Schroeder
- 2023 EXPENSES AND BUDGET: Amy Gallagher
- APPROVAL OF PROPOSED 2024 BUDGET : Amy Gallagher
- FUTURE TREATMENT COSTS/FUNDING: Tim Schroeder

What is the Cedar Lake Improvement District?



- Purpose: The CLID is overseen by a volunteer board. Board members recognize that those living or owning land within CLID boundaries are stakeholders in the health and quality of Cedar Lake. Through communication with residents, partnerships and/or collaborations with public/private organizations, the CLID works to recognize the water and lake quality challenges of today and make Cedar Lake an improved resource for the future.
- Encompasses Helena and Cedar Lake Townships
- 465 Lots
- 417 Property Owners

Board Membership

7 Directors holding 3-year terms with maximum of 4 terms

Current Board Members are:

- Tim Schroeder, Chairperson, Term expires: April 2025
- Amy Gallagher, Treasurer, Term expires: April 2025
- David Nielsen, Secretary, Term expires: April 2024
- Ted Schnarre, Term expires: April 2026
- Paul Hoyt, Term expires: April 2026
- John Tuschner, Term expires: April 2026
- Dave Skogland, Term expires: April 2026

Board Member Recruitment

- Board members serve 3-year terms.
- This is a rewarding community involvement opportunity that helps represent our lake to the DNR, Scott County and other lake improvement district landowners.
- Time commitment involves 2-3 hours monthly for meetings except for June, July and August - enjoy the lake!
- Various projects, lake clean-up day and the occasional DNR or Scott county meeting.
- We have had a few inquiries for volunteering on the board and we will be following up.
- Please reach out to us if you are interested in participating.

Carp Control 2023-2024

ARTICLE B.1 – SCOPE OF SERVICES B.1.1 PROJECT MANAGEMENT (1) Consultant will conduct and manage the Project including obtaining all required approvals from the Minnesota Department of Natural Resources (DNR) Fisheries to capture and properly dispose of the carp. Included is time to prepare for and conduct meeting with the Cedar Lake Improvement District (CLID) at the 2023 Annual Meeting in consideration of management plans for the future of Cedar Lake.

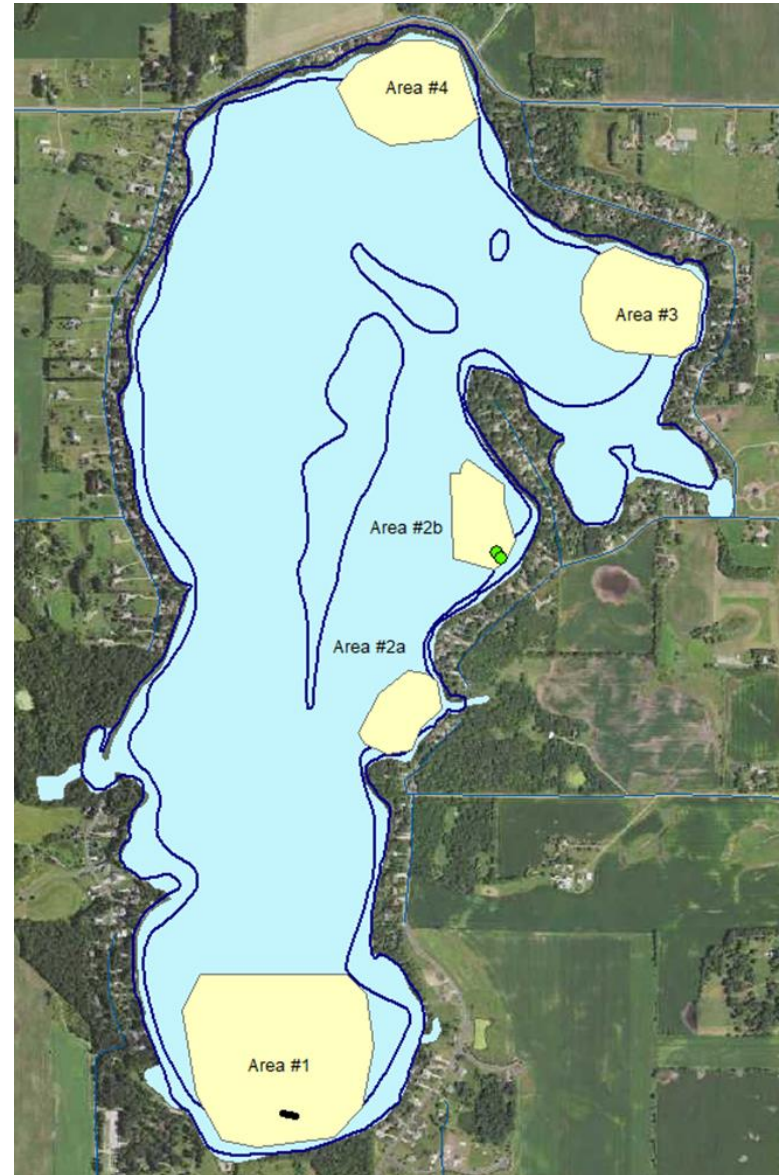
B.1.2 CARP POPULATION AND BIOMASS ESTIMATE EFFORTS (1) Electrofishing Surveys A. Consultant will use electrofishing surveys on three (3) different days at least one week apart. Surveys will consist of a minimum of three (3) transects of 20 minutes in randomized areas of the lake.

B.1.3 IMPLANTATION OF RADIOTAGS AND PIT TAGS (1) Radio transmitter surgeries A. Consultant will perform surgeries to properly implant fifteen (15) radio transmitters inside live carp. Follow recovery, carp will be released to the lake. The carp will be captured during electrofishing surveys to save cost. (2) PIT tag implants A. Consultant will implant up to 100 PIT tags in live carp before release. The carp will be captured during electrofishing surveys to save cost.

B.1.4 TELEMETRY SURVEYS TO AID SEINING EFFORTS (1) Pre-netting surveys A. Consultant will conduct approximately two (2) telemetry surveys before recommending commercial netting efforts to commence. B. Maps will be created and communicated to netting crews to facilitate planning of removal days in fall (2023) and spring (2024).

B.1.5 NETTING COORDINATION AND TELEMETRY (1) Removal day organization A. Consultant will notify all parties of netting plans to arrange for proper crew, permitted actions, and disposal of carp be carried out. B. Consultant will assist with netting actions by providing updated telemetry locations for aggregation targeting on day of netting. If further assistance is needed on same day, consultant will be available to offer help.



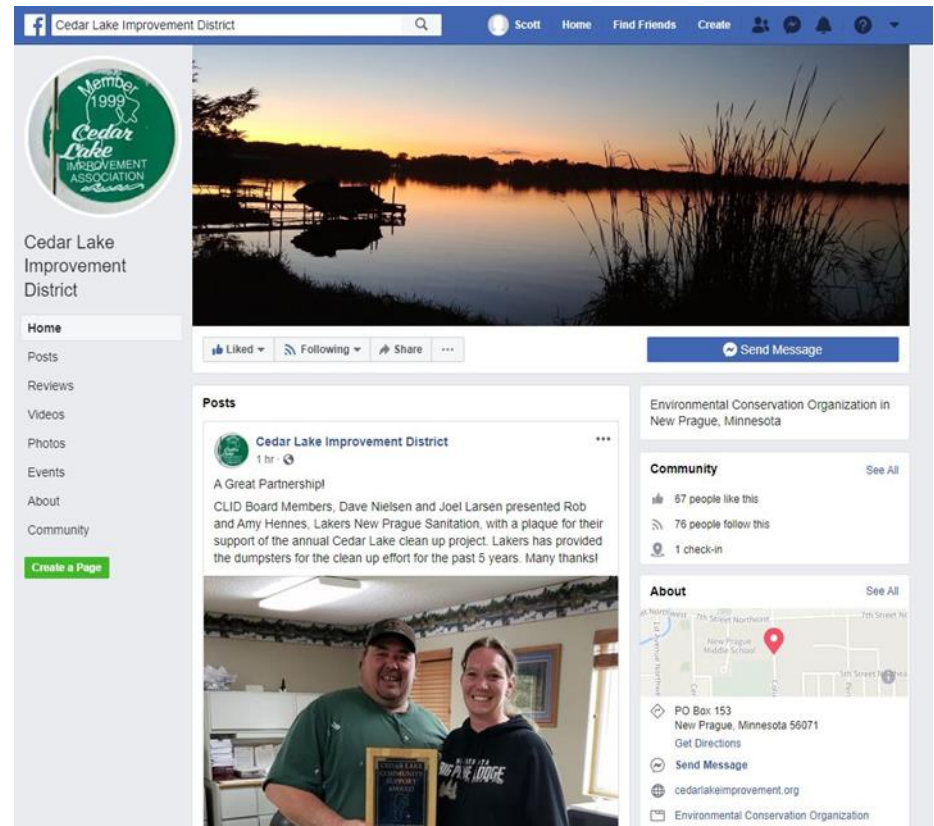


	2023												2024					
	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June		
Permitting, project management, and 2023 Annual Meeting presentation																		
Electrofishing surveys																		
Implant radiotags (15) and PIT tags (100)																		
Telemetry surveys to aid seining efforts																		
Netting coordination and telemetry																		
Data analysis and reporting																		

Cedar Lake 2023/2024	Line item total
Permitting, project management, and 2023 Annual Meeting presentation	\$1,220
Task 1: Electrofishing surveys	\$5,760
Task 2: Implant radiotags (15) and PIT tags (100)	\$4,375
Task 3: Telemetry surveys to aid seining efforts	\$3,660
Task 4: Netting coordination and telemetry	\$8,330
Data analysis and reporting	\$2,440
Overall Project total	\$25,785

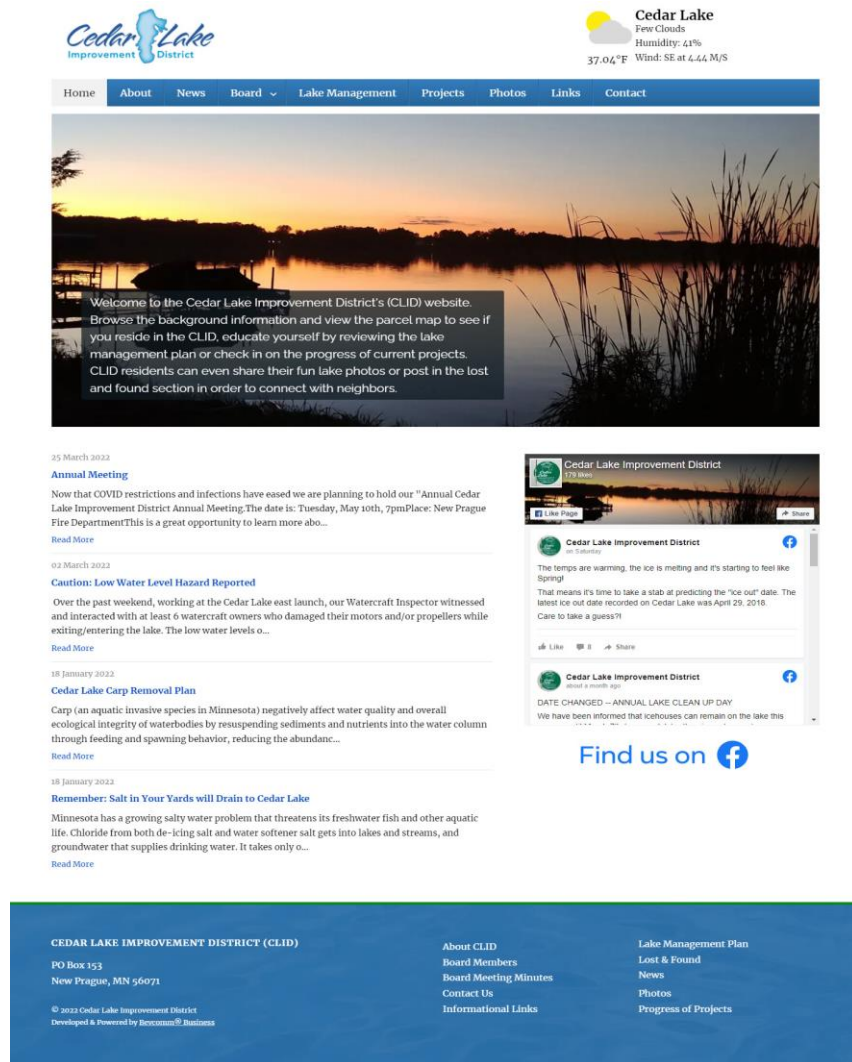
CLID Facebook Page

- The CLID Facebook page is a public page and open to all residents and others interested in learning more about Cedar Lake.
- Posts are primarily centered on the CLID (lake quality updates and outreach events) but may also include relevant partner updates, projects and posts.
- Access the page by searching: “cedar lake improvement district” on Facebook.



CLID Website

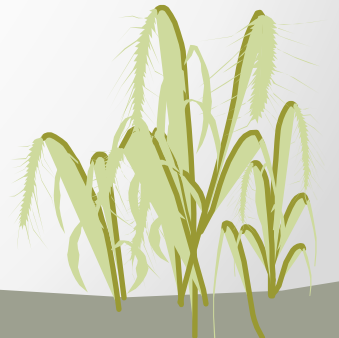
- The CLID website was updated in 2022 to a new platform as the previous platform was obsolete.
- This new platform provides a more visual interface and more flexibility for content updates.
- Our website will remain the primary source of information for CLID members and the general public, including meeting notes, formal notices, and historical information.
- Cedarlakeimprovement.org



Cedar Lake Turion Survey

Fall collection 2022 & 2023

Survey completed by Freshwater Scientific Services, LLC



Purpose of Turion Survey

- **Objectives**

- 1) Compare the current level of infestation in Cedar Lake to other non-treated lakes
- 2) Estimate the potential for nuisance CLP growth in 2024
- 3) Establish a new baseline for evaluating future changes in turion abundance
- 4) Assess whether the 2023 treatment reduced turion abundance from 2022
- 5) Estimate the degree of turion reduction over the past 5 to 10 years



Turion Sample Collection & Processing

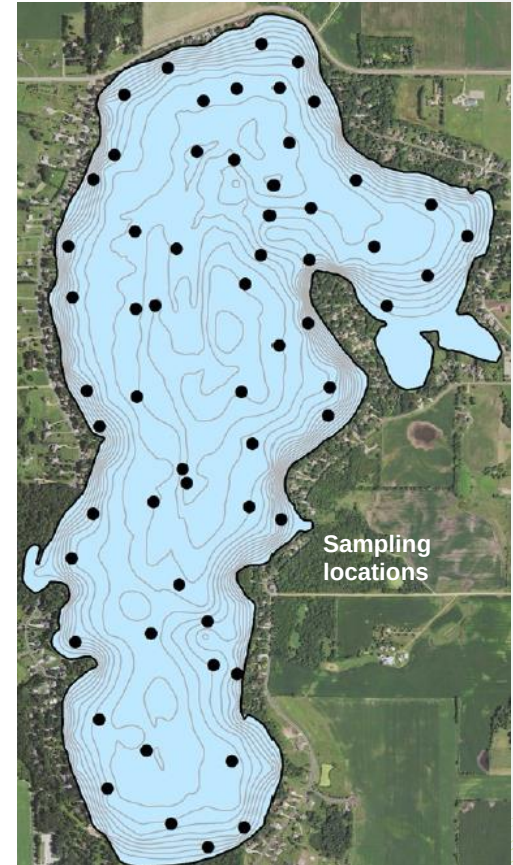
Freshwater Scientific conducted 2 lake-wide turion surveys on Cedar Lake; the first on Nov 1, 2022, and the second on Nov 3, 2023.

60 random sample points across the lake

Collected 1 sediment sample at each of the designated sample locations using a petite Ponar dredge

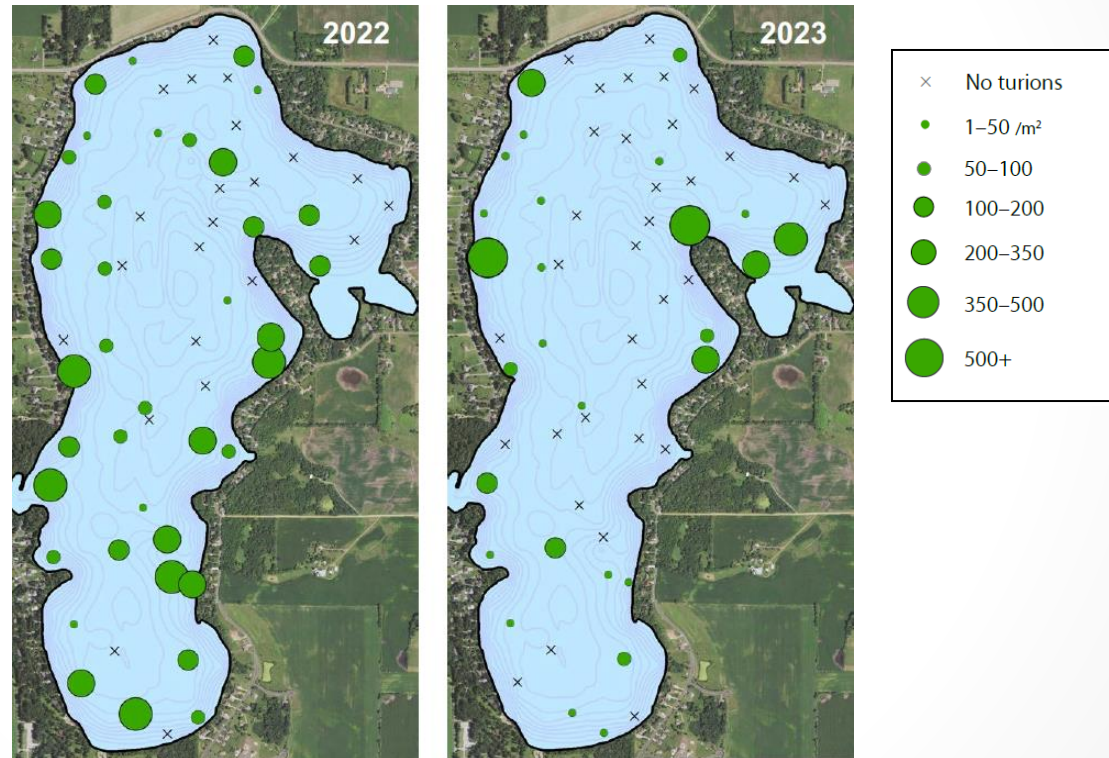
Calculated turion abundance (turions/m²) for each sampled location

Mapped turion abundance and calculated lake wide turion abundance statistics

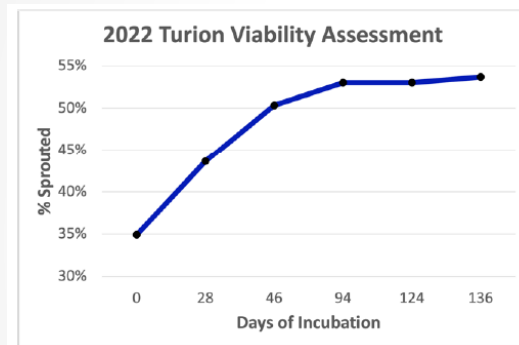


Results

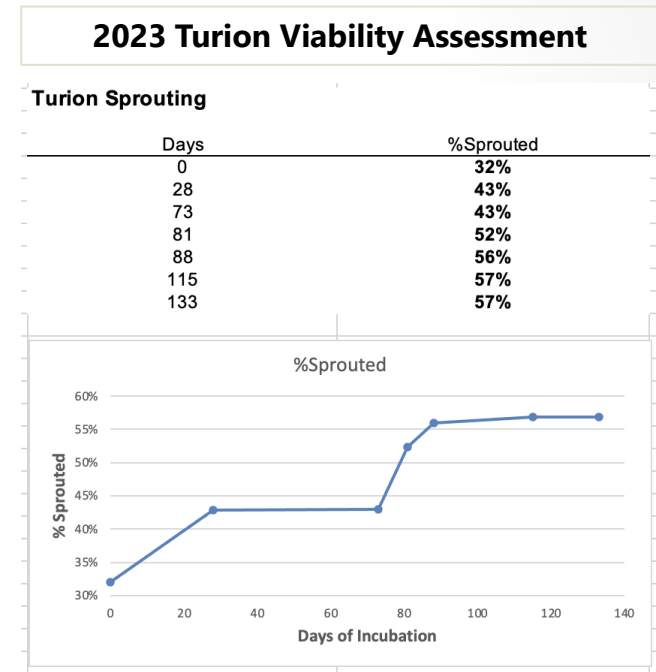
Turion Distribution & Abundance



Turion Viability Results



**60%
viability is
typical**



Next Steps

MDNR has agreed to allow us to treat Cedar with fluridone next 4 years (whole lake)

Schedule/budget another turion survey ~2027-2028

Reassess management plan after next turion survey results



Curly Leaf Pondweed Treatment Update

Year	Treated Area	Cost Per Acre	Total Cost	DNR Contribution	SWMO Contribution	CLID	Approx. CLP Levy	Funds Remaining	Chemical Used
2012	100	\$206.00	\$20,600.00	\$15,000.00	\$2,800.00	\$2,800.00	\$31,000.00	\$28,200.00	Aquathol
2013	200	\$146.72	\$29,344.00	\$20,000.00	\$4,672.00	\$4,672.00	\$31,000.00	\$54,528.00	Aquathol
2014	400	\$146.72	\$58,688.00	\$30,000.00	\$14,344.00	\$14,344.00	\$31,000.00	\$71,184.00	Aquathol
2015	600	\$153.00	\$91,800.00	\$30,000.00	\$31,208.00	\$31,208.00	\$31,000.00	\$70,976.00	Aquathol
2016	600	\$153.43	\$92,058.00	\$4,999.00	\$43,529.00	\$43,529.00	\$31,000.00	\$58,447.00	Aquathol
2017*	351	\$211.67	\$74,297.00	\$4,999.00	\$34,649.00	\$34,649.00	\$31,000.00	\$54,798.00	Aquathol
2018	396	\$218.02	\$74,296.14	\$0.00	\$32,130.00	\$38,006.63	\$31,000.00	\$47,791.37	Aquathol
2019	792.59	\$70.32	\$55,734.93	\$0.00	\$25,000.00	\$30,734.93	\$31,000.00	\$48,056.44	Sonar
2020	792.59	\$72.43	\$57,406.98	\$0.00	\$25,000.00	\$32,406.98	\$31,000.00	\$46,649.46	Sonar
2021	150	\$92.38	\$13,856.46	\$0.00	\$6,928.23	\$6,928.23	\$31,000.00	\$70,721.23	Diquat
2022			\$31,710.53	\$0.00	\$11,804.93	\$19,905.60	\$31,000.00	\$81,815.63	Diquat
2023	792.59	\$76.90	\$60,949.84	\$0.00	\$25,000.00	\$35,949.84	\$31,000.00	\$76,865.79	Sonar
2024	792.59	\$88.66	\$70,268.75	\$0.00	\$25,000.00	\$45,268.75	\$31,000.00	\$62,597.04	Sonar
*Higher Concentration of Chemical in a Smaller Area									

- 2023 treatment was one as soon as the ice was out allowing for an application of Sonar on a whole lake basis.
- The goal is to control curly leaf pondweed and yet still allow native plant species to grow.
- 2024 treatment will be a repast of 2023, whole lake treatment using Sonar.

2023 Budget/Actuals Final & 2024 Budget Approval

	2023 Budget	Actuals
Income		
Levy Collection:	\$40,000.00	\$39,744.00
Interest:	\$50.00	\$179.00
Total:	\$40,050.00	\$39,923.00
Expenses		
Carp Control	\$28,000.00	\$23,584.00
Administrative Expense	\$1,700.00	\$4,297.00
Liability insurance	\$1,900.00	\$1,505.00
Curley-leaf Treatments	\$35,000.00	\$47,160.00
Total:	\$66,600.00	\$76,546.00
Cash Balance Remaining		
Checking:	\$30,000.00	\$28,418.00
Checking w/Interest:	\$100,000.00	\$124,909.00
Certificate of Deposit:	\$53,442.62	\$53,483.00
Total:	\$183,442.62	\$206,810.00

	2024 Budget
Income	
Levy Collection:	\$40,000.00
Interest:	\$150.00
Scott County SWMo	\$25,000.00
Three Rivers Park District*	\$6,500.00
Total:	\$71,650.00
Expenses	
Carp Control	\$17,455.00
Administrative Expense	\$2,000.00
Liability insurance	\$1,900.00
Total CLP Budget	\$74,100.00
Curley-Leaf Treatments	\$70,300.00
Lake Plant Surveys	\$3,800.00
Total:	\$95,455.00

*We are still working to confirm the amount and commitment from TRPD for 2024

Future Treatment Costs and Funding

	2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	2029 Budget	2030 Budget	2031 Budget	2032 Budget	2032 Budget
Income										
Levy Collection:	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Interest:	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
Total:	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00	\$ 40,150.00
Expenses										
Carp Control	\$ 17,455.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00
Administrative Expense	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00
Liability insurance	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00
Curley-leaf Treatments	\$ 42,640.00	\$ 44,000.00	\$ 46,000.00	\$ 48,000.00	\$ 50,000.00	\$ 52,000.00	\$ 54,000.00	\$ 56,000.00	\$ 58,000.00	\$ 58,000.00
Total:	\$ 63,995.00	\$ 52,900.00	\$ 52,400.00	\$ 54,400.00	\$ 58,900.00	\$ 58,400.00	\$ 60,400.00	\$ 64,900.00	\$64,400.00	\$64,400.00
Cash Balance Remaining										
Checking:	\$ 28,418.00	\$ 43,000.00	\$ 39,000.00	\$ 44,000.00	\$ 38,000.00	\$ 33,000.00	\$ 28,000.00	\$ 28,000.00	\$ 28,000.00	\$ 28,000.00
Checking w/Interest:	\$ 101,104.00	\$ 70,000.00	\$ 60,000.00	\$ 40,000.00	\$ 27,000.00	\$ 14,000.00	\$ -	\$ -	\$ 2,700.00	\$ 2,700.00
Certificate of Deposit:	\$ 53,483.00	\$ 51,713.93	\$ 51,713.93	\$ 51,713.93	\$ 51,713.93	\$ 51,713.93	\$ 51,713.93	\$ 26,950.00	\$ -	\$ -
Total:	\$ 183,005.00	\$170,255.00	\$ 150,713.93	\$ 135,713.93	\$116,713.93	\$ 98,713.93	\$ 79,713.93	\$ 54,950.00	\$ 30,700.00	\$ 30,700.00

After review of the carp project and a discussion around future action and costs and the approximation of curly leaf pondweed, we will continue to adjust our 10 year projection as we submit our levy plans to Scott County. At this time we do not see a need of an increase in the levy, and as more homesites are developed resulting in more taxpayers in the watershed district, the cost per taxpayer will be reduced. The above assumes a continued support amount of \$25,000 annually from Scott County and no financial support from Three Rivers Park District. We are excited about the prospect of ongoing support from Three Rivers Park District and for Scott County's continued efforts to help us secure additional funding through grants.