

Lake Conway Water & Navigation Control District Advisory Board

**Community Meeting
Lake Conway Taxing District
Millage Rate Discussion**

January 10, 2023



Panelists

- **Orange County (OC) District 3 Commissioner: Mayra Uribe**
- **OC Environmental Protection Division (EPD): Tara Urbanik**
- **Lake Conway Water and Navigation Control District Advisory Board: Dr. Elizabeth Nelson (Chair), John Evertsen (Vice Chair), Bobby Lance, Micky Blackton, and Frances Guthrie**



Agenda

- Taxing District Background
- Current Millage Rate & History
- Lake Conway Expenditures
- Annual Revenue & Expenditures
- Stormwater Study Recommendations
- Other Project Considerations
- Projected Revenue
- Open Discussion





Taxing District Background

- Taxing District created in 1957 by Special Act
- Board of County Commissioners oversees the District
- Community volunteer advisory board
 - Approve annual budget
 - Provide recommendations to Board of County Commissioners
 - Approve funding for water quality improvement projects





Taxing District Background

1939



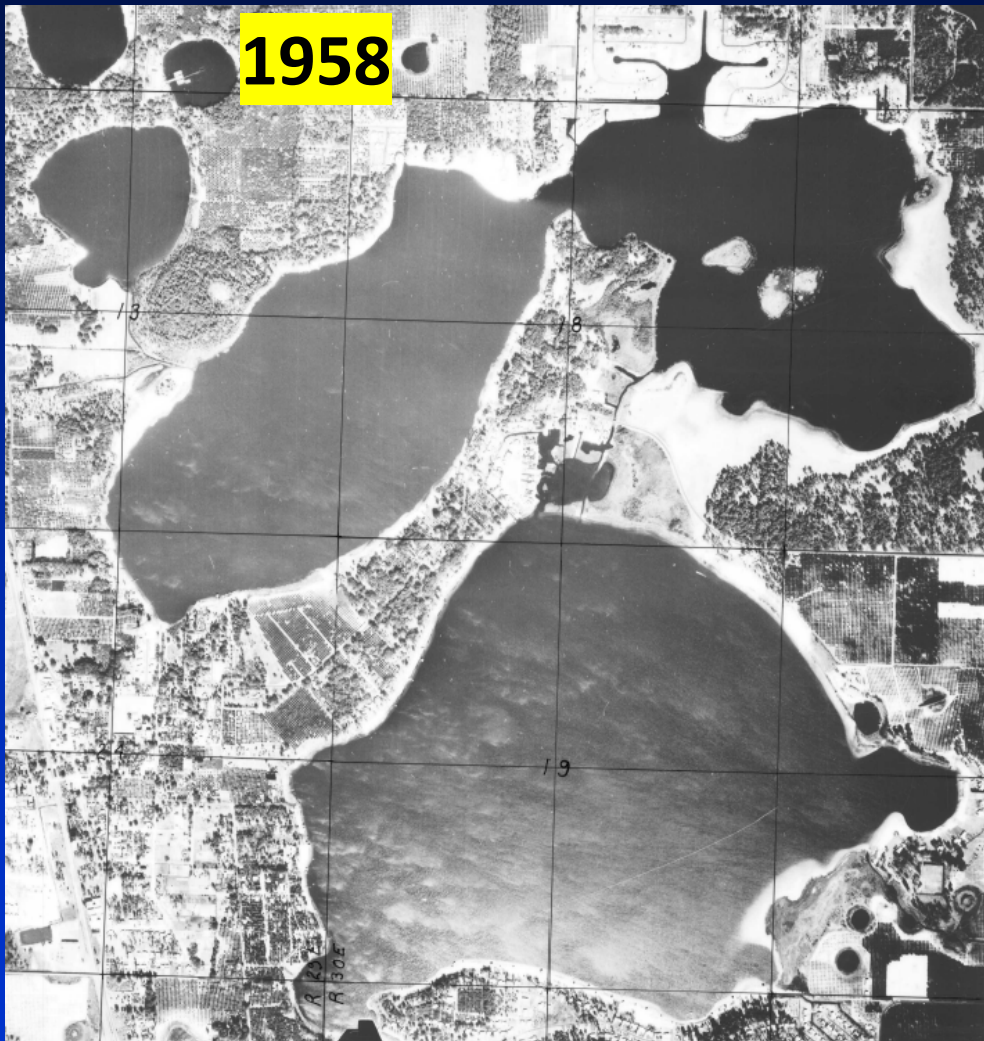
1947





Taxing District Background

1958



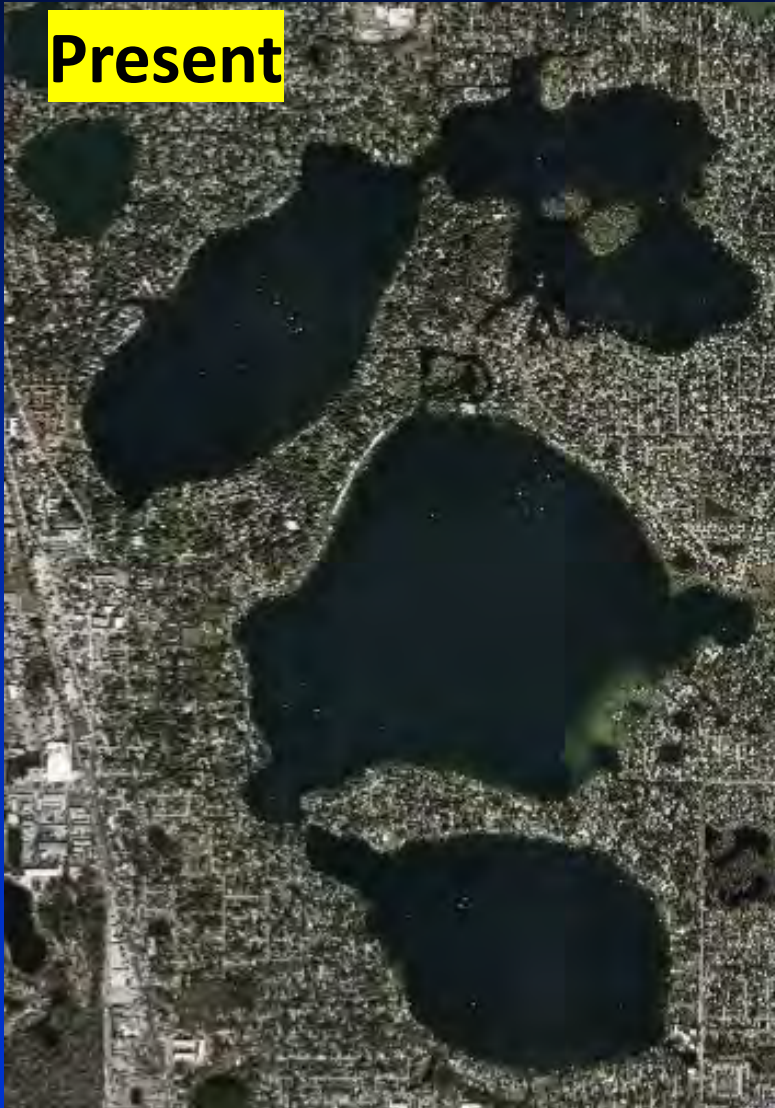
1963





Taxing District Background

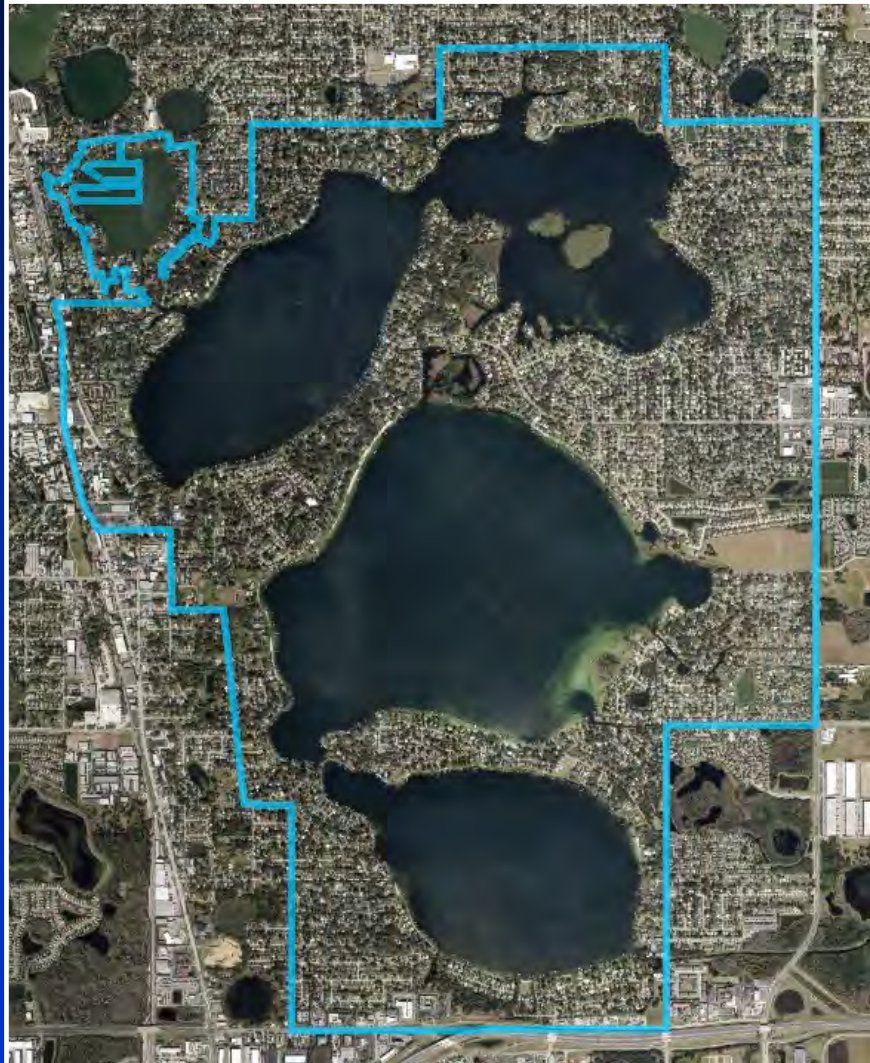
Present



- **Increased urban population**
 - Excess nutrients entering lakes via fertilizer and stormwater runoff
 - Extra nutrients in the lake will accelerate the growth of aquatic plants, and may lead to more frequent algal blooms



Current Millage Rate & History



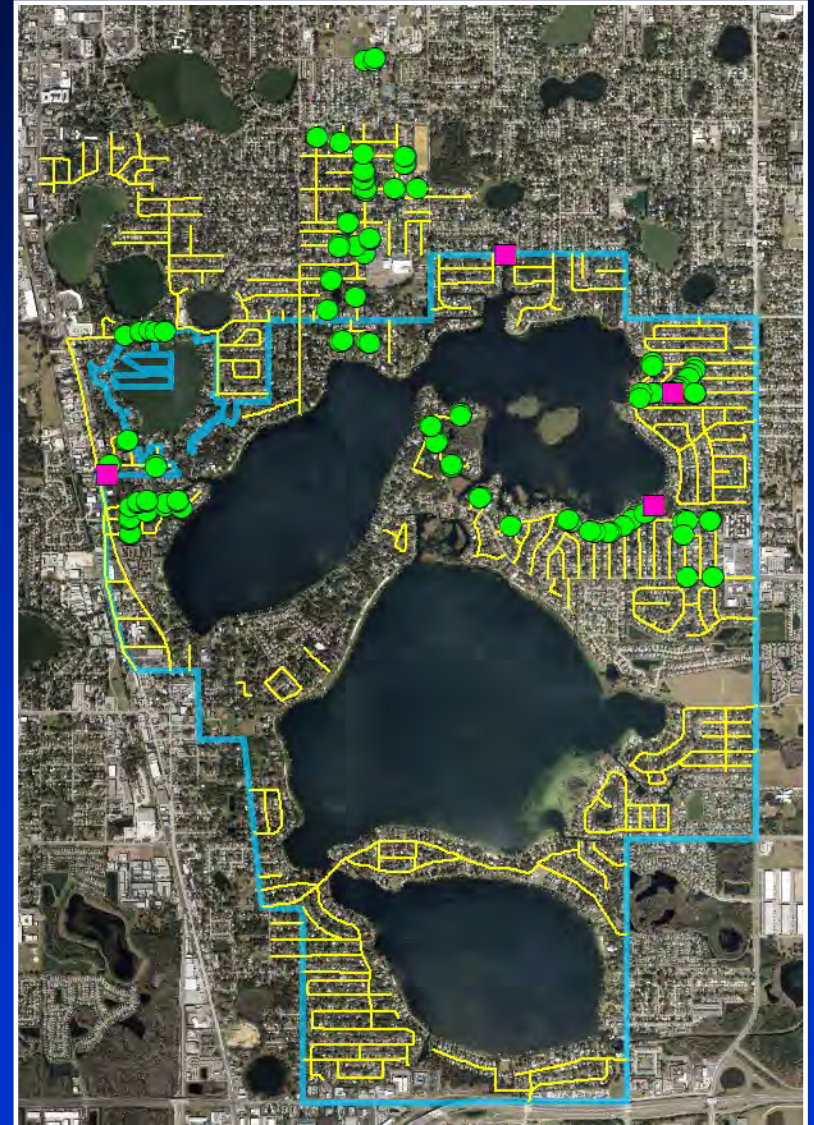
- Taxing District created in 1957 by Special Act
- 4,490 parcels
- 1996 - 2006: 0.4729
- 2007 - Present: 0.4107*

*Maximum millage rate is 2.0, per Special Act



Lake Conway Expenditures

- **Expenditures:**
 - 116 curb inlet baskets, monthly maintenance
 - 4 baffle boxes, quarterly maintenance
 - Ferncreek gatekeeper, daily
 - 90 curb miles swept, weekly and/or bi-weekly
 - Off duty lake patrol, weekly
 - Navigation marker installation & maintenance
 - MSTU administration & labor





Annual Revenue & Expenditures

Current MSTU Balance: \$2,286,983.97			(Reserves: \$742,803)		
Service	FY 2018-2019	FY 2019-2020	FY 2020-2021	FY 2021-2022	Budgeted for FY 2022-2023
Annual Revenue	\$394,399.80	\$420,140.68	\$448,756.01	\$470,787.86	~\$533,596
Off duty patrol	\$74,718.09	\$68,654.76	\$79,647.63	\$82,300.88	\$108,978
Gatekeeper	\$2,920.00	\$2,920.00	\$3,650.00	\$3,650.00	\$3,700
Routine Projects	\$259,993.70	\$192,149.81	\$343,744.26	\$190,445.42	\$1,277,909
Herbicide	\$31,417.86	\$10,506.70	\$26,375.27	\$13,356.01	\$50,000
MSTU Admin & Labor	\$36,389.45	\$48,404.73	\$53,855.52	\$35,623.77	\$191,022
Total Expenses	\$405,439.10	\$322,636.00	\$507,272.68	\$325,376.08	\$1,631,559
Delta	-\$11,039.30	\$97,504.68	-\$58,516.67	\$145,411.78	



Stormwater Study Recommendations

Rank	Recommendation	Capital Cost	Expenses	TN \$/lb	TP \$/lb
1	CON0040 Bioswales Perkins Rd	~\$909,688		\$253	\$1,587
2	*CON0290 Baffle box Trentwood Blvd	~\$502,458	\$175,142.86	\$430	\$3,491
3	CON0370 Baffle box with BAM filter Barby Ln	~\$328,644		\$1,017	\$6,807
4	*CON0460 Up-flow filter East Wallace St	~\$536,344	\$161,011.61	\$1,136	\$7,106
5	CON0430 Delia Beach Improvements	~\$157,344	\$94,020	\$1,504	\$9,290
6	*CON0270 Baffle box Alsace Ct and Montmart Dr	~\$314,175	\$132,230.92	\$3,383	\$9,605
7	CON0170 Floating wetlands & up-flow filter Rothbury Dr	~\$934,666		\$1,388	\$14,433
8	CON0130 Up-flow filter Franconia Dr	~\$1,125,976		\$2,203	\$24,543
9	CON0080 Baffle box St. Partin Pl	~\$313,612		\$5,912	\$37,531

* Feasibility Study



Stormwater Study Recommendations

Item	Additional Recommendations
A	Fertilizer Ordinance Public Education: Send out postcards/fliers to middle & south lobe residents
B	Pet Waste Program: Provide public outreach/education & training, additional bag and disposal stations at public parks. DNA marker analysis study is suggested
C	Street Sweeping Program: Perform street debris characterization study, and an optimization analysis of street sweeping program is suggested
D	Lake Inflow Study: Propose detailed H&H model of entire Chain of Lakes
E	Shallow Groundwater Seepage Best Management Practices: Utilities may be interested in converting from septic to sanitary, cost benefit analysis should be conducted
F	Sediment Management Alternatives: In-lake alum treatment, dredging to remove phosphorus-rich sediments, capping lake sediments with clean sand, and aeration/hypolimnetic oxygenation. Additional studies with cost benefit analysis are suggested.



Other Project Considerations

Average annual revenue	\$433,521
Average annual expenditures	\$390,180
Average delta of savings	\$43,340
Range of capital costs for recommended water quality projects*	\$1,125,976 to \$157,344 (avg. \$569,211)

*Costs are for construction only; design/engineering and operation/maintenance costs are not included.





Other Project Considerations

Current MSTU Balance: \$2,286,983.97

Total MSTU Revenue anticipated: ~\$533,596.00

CURRENT LAKE CONWAY PROJECTS

Project	Cost	Notes
1. Off-duty lake patrol	\$108,978.00	Annual cost
2. Ferncreek Ramp gatekeeper	\$3,365.00	Annual cost
3. Routine Services of Water Quality BMPs	\$260,000.00	Annual cost
4. Additional Street Sweeping Route	\$9,790.93	Annual cost
5. Alsace Ct Feasibility & Design Study	\$132,230.92	One-time
6. Trentwood Blvd Feasibility & Design Study	\$175,142.86	One-time
7. Wallace St Feasibility & Design Study	\$165,011.61	One-time
TOTAL APPROVED 10/1/22 – 9/30/23	\$854,519.32	

PROPOSED LAKE CONWAY PROJECTS

8. Conway Chain of Lake Canal Dredging	\$500,000.00	Estimated cost
9. New Navigation Marker Locations	\$40,000.00	Estimated cost
10. Alsace Ct baffle box with BAM	\$314,175.00	Proposed cost
11. Trentwood Blvd baffle box with BAM	\$502,458.00	Proposed cost
12. Wallace St Underground Up-flow with BAM	\$536,281.00	Proposed cost
13. Barby Lane NSB with BAM (COBI Project)	\$351,000.00	COBI partnership request
PROPOSED PROJECTS TOTAL	\$2,243,914.00	



Projected Revenue

	FY 2022-2023	Additional Revenue Accrued
Current Annual Revenue at Millage Rate: 0.4107	~\$533,596	
Millage rate at 0.4928	\$701,729	\$168,133
Millage rate at 0.5750	\$818,778	\$285,182
Millage rate at 0.6571	\$935,686	\$402,090
Millage rate at 0.8107	\$1,154,406	\$620,810
Millage rate at 0.9107	\$1,296,802	\$763,206





Open Discussion

- **Public comment will be accepted through Friday, January 13, 2023. Send public comment to Tara Urbanik at tara.urbanik@ocfl.net**

