



CITY OF BELLE ISLE, FL

1600 NELA AVENUE, BELLE ISLE, FL 32809 * TEL 407-851-7730

MEMORANDUM

From the Desk of Bob Francis, City Manager

To: Mayor and Council
Date: January 11, 2022
Re: Lake Conway Navigation Board Meeting

NOTE: This memo is to provide information only and is NOT an official record of the Lake Conway Navigation Board Meeting. Please refer to the Lake Conway Navigation Board adopted minutes for the official record.

Synopsis of the January 11, 2022 Lake Conway Navigation Board Meeting

- Public Comment: No Public Comments
- Comments from the Chairperson: No comments from the Chairperson
- Marine Patrol Report:
 - a. Reports of OCSO and BIPD are attached.
- Water Elevation Report: Report is attached
- EPD Report:
 - a. Lake Gatlin Alum Treatment Update: Ms. Urbanik stated that the 4th and final alum treatment will take place in late January. Once a date is known, she will let the Board know.
 - b. Canal Sediment Analysis Update: Ms. Urbanik stated that the final report is done and it was sent out for review by the Board. When asked what the process was for dredging, Ms. Urbanik stating that they have to look for a contractor and then get the property owners along the canals to sign a hold harmless agreement (100% of the property owners have to sign the agreement). Then the dredging can go out for bid. Ms. Urbanik estimates it could be anywhere from 6 months to 2 years. Mr. Evertsen calculated some rough numbers from the data he had and stated that it could be between \$650,000 and \$1 million to dredge the canals. More information will be provided as the process moves forward.

- c. Lake Conway Stormwater Study Project Update: Ms. Urbanik stated that Geosyntec Consultants were doing the scope of work on Wallace Project (#CON0460), Alsace/Monmart Project (#CON0270), and the Trentwood Project (#CON0290) and should be ready for the Board review at the February meeting.
- Advisory Member Reports:
 - a. Board Member Evertsen stated that he reviewed the street sweeping contract and sent a list of streets to Ms. Urbanik that may be added to the sweeping contract. This list included gated communities. Ms. Urbanik reported that the contractor stated he can sweep those streets in the gated communities if the contractor had the gate codes. Also, The County and HOAs would have to enter into an agreement for street sweeping before it can be done. The Board passed a motion to have this as an agenda item at the next meeting. A list with the additional curb miles and estimated cost based on the contract price will be presented. The Board will also address the quality of the services being provided by the contractor.
 - b. Mr. Evertsen asked if there was any report on hydrilla. He was waiting on a report so he could draft a letter to the FWC on pond weed or hydrilla. Ms. Urbanik would like the board members to contact her with their points for the letter and she will compile those and give the Board a draft letter to send to the FWC. The Board also asked if the FWC representative could come to the next meeting to discuss the issue. Ms. Urbanik will contact him.
- Non-Agenda Items:
 - a. Ms. Urbanik stated that the meeting location on Michigan was not available for the meetings in February and March and told the Board she is looking for a location. Commissioner Uribe gave a few suggestions to look at. After the meeting, I told Ms. Urbanik that they could use the City Council Chambers for the meeting if she needed it. She will contact me if needed.
 - b. Commissioner Uribe Informed the Board and attendees that the County is going through the redistricting process and that she is trying to get Orlando International Airport in her district so she can assist Belle Isle with the noise issues that they have been having. She will provide more information to the Cty of Belle Isle.
- The meeting adjourned at 7:10 PM.

Attachments

- Nav Board Agenda
- Minutes of December 14, 2021 Meeting
- BIPD & OCSO Marine Reports
- Lake Report
- Lake Conway Projects Report
- Nav Board 5-Year Budget

LAKE CONWAY WATER AND NAVIGATION CONTROL DISTRICT ADVISORY BOARD REGULAR MEETING AGENDA

January 11, 2022 at 6:30 P.M.,
Orange County Facilities Management Training Room

PLEDGE OF ALLEGIANCE

- I. Call Meeting to Order
- II. Approval of the Minutes
- III. Public Comment
- IV. Comments of the Chairman
- V. Marine Patrol Report
- VI. Lake Conway Water Elevation Report
- VII. Orange County EPD Report
 - Lake Gatlin Alum Treatment Update
 - Canal Sedimentation Analysis Report
 - Lake Conway Stormwater Study Project Update
- VIII. Advisory Board Member Report
 - Chair Dr. Elizabeth Nelson
 - Vice Chair Frances Guthrie
 - Bobby Lance
 - Micky Blackton
 - John Evertsen
- IX. Non - Agenda Items
- X. Meeting Adjourned

WHEN SPEAKING, PLEASE GIVE YOUR NAME AND ADDRESS

Section 286.0105, Florida Statutes states that if a person decides to appeal any decision made by a board, agency, or commission with respect to any matter considered at a meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

In accordance with the Americans with Disabilities Act (ADA), if any person with a disability as defined by the ADA needs special accommodation to participate in this proceeding, then not later than two business days prior to the proceeding, he or she should contact the Orange County Communications Division at (407) 836-3111.

Para mayor información en español, por favor llame al (407) 836-3111.

**Lake Conway Water and Navigation Control District
Advisory Board Regular Meeting
December 14, 2021 at 6:30 p.m.
Orange County Facilities Management Training Room**

Board Members Present: Dr. Elizabeth Nelson (Chair), Frances Guthrie (Vice Chair), Bobby Lance, and John Evertsen

Board Members Absent: Micky Blackton

Staff & Guests: Tara Urbanik, Orange County Environmental Protection Division (EPD); Corporal Bim Lowers, Orange County Sheriff's Office (OCSO); City Manager Bob Francis, City of Belle Isle (City); Chief Laura Houston and Sergeant Jeremy Millis, Belle Isle Police Department (BIPD),

Residents: Randy Holihan, Karl Shuck, Cindy Lane, Adam Branom, John Hermann, and Holly Bobrowski

I. Call to Order

With a quorum present, Dr. Elizabeth Nelson called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:31 p.m.

II. Approval of the November 8, 2021 Meeting Minutes

Upon a motion by Frances Guthrie, seconded by John Evertsen, and carried with all present members voting AYE by voice vote, with Micky Blackton being absent; the Advisory Board approved the November 8, 2021 meeting minutes.

III. Public Comment on Propositions before the Advisory Board

Chair Dr. Nelson received one public comment request. Adam Branom, a resident on the Barby Lane canal, expressed his hope that the nav board will approve future maintenance dredging of the canals, and thanked law enforcement for their lake patrol efforts. Ms. Urbanik stated she is aware the City sent a letter to canal front residents, and in an effort to clarify any misinformation presented about Orange County, the County does not intend to require private residents to fund the maintenance dredging of public waterway canals for navigation concerns.

IV. Comments of the Chair

Chair Dr. Nelson stated she is grateful she lives on a lake with good water quality. She is concerned about the manatees who are suffering from algal blooms, and she wants to keep the Conway Chain in a positive water quality status.

V. Marine Patrol Report

Off-Duty Patrol Reports

Corporal Bim Lowers presented the Orange County off-duty marine patrol report. For the month of November 2021, the following activities were reported:

- 119 vessels observed on the lake
- 18 vessel stops
- 4 vessel citations
- 15 vessel warnings
- 11 vessel inspections
- 18 ramp checks
- 1 patrol assist/back up

The Christmas boat parade schedule was discussed.

VI. Lake Conway Water Elevation Report

David Wood's water elevation report was not reported.

VII. Orange County EPD Report

Lake Gatlin Alum Treatment Update

The fourth and final Lake Gatlin Alum Treatment is planned for the end of January.

Canal Sedimentation Analysis Report

The draft is being finalized and should be ready by the January meeting. Discussion ensued.

Lake Conway Stormwater Study Project Update

The Advisory Board discussed their individual thoughts on the canal dredging projects, and the water quality recommendation projects. Ms. Urbanik provided a list of benefits on why a feasibility study is recommended, versus going straight to a design phase for a water quality project. Discussion ensued.

Upon a motion by John Evertsen, seconded by Dr. Elizabeth Nelson, and carried with all present members voting AYE by voice vote, with Bobby Lance voting NAY by voice vote, and with Micky Blackton being absent; the Advisory Board approved for Orange County to work with a County contracted engineering consultant on a feasibility study, with engineering design and construction plans, to be shovel ready for the following projects recommended from the Lake Conway Stormwater Study:

- 1. CON0460 Underground up-flow BAM filter (HPUF) in empty parcel off East Wallace Street, or generation 3 baffle box with biological activation media substitute.**
- 2. CON0270 Underground 2nd generation baffle box with up-flow BAM filter in drainage easement at the intersection of Alsace Court and Montmart Drive.**
- 3. CON0290 Underground 2nd generation baffle box with up-flow BAM filter in the parcel at the west end of Trentwood Boulevard.**

The Advisory Board had a discussion on prior motions.

Upon a motion by John Evertsen, seconded by Frances Guthrie, and carried with all present members voting AYE by voice vote, with Bobby Lance voting NAY by voice vote, and with Micky Blackton being absent; the Advisory Board approved rescinding the following motion from the November 8, 2021 meeting:

“Upon a motion by John Evertsen, seconded by Micky Blackton, and carried with all present members voting AYE by voice vote, with Frances Guthrie being absent; the Advisory Board approved the District to fund the City of Belle Isle to conduct the engineering work to determine the size of the baffle box at Wallace Road field, associated with CON0460”.

VIII. Advisory Board Member Report

- Chair Dr. Elizabeth Nelson: No comments.
- Vice Chair Frances Guthrie: Ms. Guthrie apologized for missing the November meeting. Ms. Guthrie also stated that she supports the beautification and navigation of the canals on the Conway Chain.
- Bobby Lance: No comments.
- John Evertsen: Mr. Evertsen inquired on the status of a response from the Florida Fish and Wildlife Conservation Commission (FWC) on the resident’s concerns of Hydrilla (*Hydrilla verticillata*) and Illinois pondweed (*Potamogeton illinoensis*) in the lake. Mr. Evertsen inquired if the Advisory Board can collectively create a letter to send to the FWC Commissioners, to state their concern with the accelerated plant growth. Ms. Urbanik will follow up at the January 22, 2022 meeting.

IX. Non-Agenda Items

No items stated.

X. Meeting Adjourned

Chair Dr. Nelson adjourned the meeting at 7:35 p.m.

Elizabeth Nelson, Chair

Date

Minutes prepared by Tara Urbanik

Date

Deputy	12/5/21	12/11/21	12/13/21	12/14/21	12/17/21	12/18/21	12/19/21	12/27/21	12/31/21	Total Hours	
1349 LOWERS, BIM	6.31	4.55			2.21		3.43	2.11		2.57	21.18
2562 MCCOY, WILLIAM			5.97								5.97
6126 MAHON, NICHOLA S(NICK)	3.94			1.03	0.64	4.43	7.13	7.49	1.27		25.92
Total Hours	10.25	4.55	5.97	1.03	2.84	4.43	10.56	9.59	1.27	2.57	53.07



Lake Conway Marine Patrol Report



Dec-21

Belle Isle Police Department

	BIPD		BIPD		BIPD		BIPD		BIPD		BIPD		BIPD		BIPD		BIPD		BIPD		BIPD		
	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	NAV	
										Total													

Dates

	17-Dec	18-Dec	19-Dec																						
Felony	0	0	0																						0
Misdemeanor	0	0	0																						0
Warrant Arrests	0	0	0																						0

Productivity

	17-Dec	18-Dec	19-Dec																						
Field Intelligence Reports	0	0	0																						0
Dispatched Calls for Service	0	0	0																						0
Reports Written	0	0	0																						0
Vessel Accidents	0	0	0																						0
Vessels Observed on Lake	55	107	130																						292
Vessel Stops	0	0	0																						0
PWC Stops	0	0	0																						0
Citations Issued	0	0	0																						0
Warnings Issued	0	0	0																						0
Vessel Inspections	0	0	0																						0
Ramp Checks	0	0	0																						0
Patrol Assists/Back-Ups	0	0	0																						0
Hours Worked	8	10	10																						28

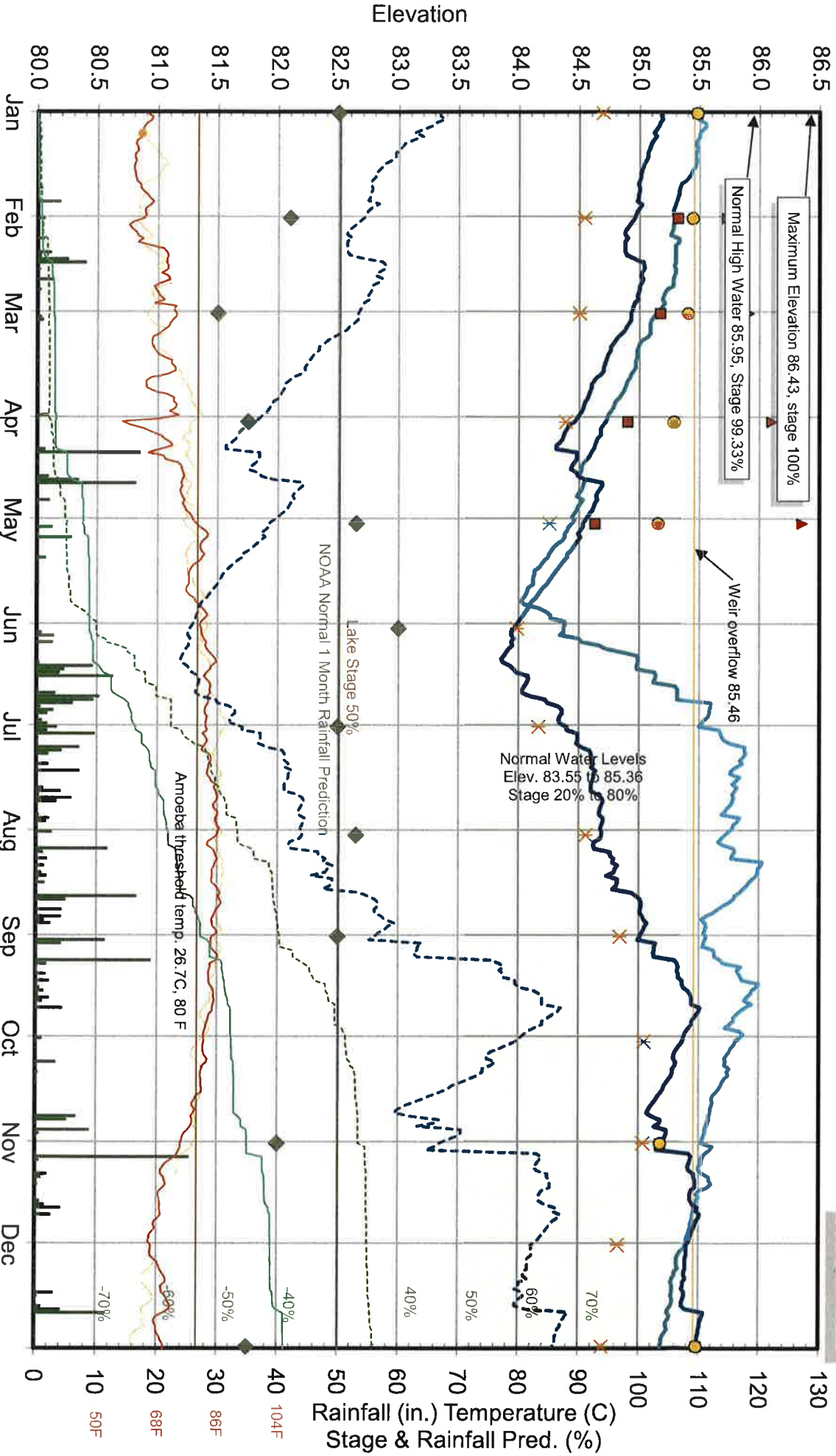
Comments: One BI Marine Unit worked NAV hours each day of the boat parades.

Datum based on Hoffner Bridge
Gauge, OCBM 1-1058-006

Lake Conway 2021 Elevations (NAVD 88)

Provided as a public service by TEC Engineering, Inc. Find more and sign up to get these monthly reports at: <https://TECEngr.yolasite.com/cmb.php>

12/31/21
Elev 85.48
Stage 86%



COBI requests partnership in red

CURRENT LAKE CONWAY PROJECTS			
1	Off-duty lake patrol	\$108,978.00	
2	Ferris Creek Ramp Gatekeeper	\$3,365.00	
3	Routine Services: street sweeping, curb and gutter, utility box maintenance, fire hydrant, tree related, recreational services	\$200,000.00	
4	Lake Salina Algae Treatment	\$14,015.00	
5	Great Striction Assessment	\$79,971.00	
6	Delta Reach baffle box (5) COBI cost share	\$94,020.00	
7	Pet Waste Stations at City Inland Park	\$3,500.00	
8		\$624,986.00	
9	TOTAL REVENUES ANTICIPATED THIS YEAR	-\$490,430.00	
10	RESERVES	\$1,276,311.00	

LAKE CONWAY STUDY: WATER QUALITY PROJECT RECOMMENDATIONS DISCUSSION						
	DESCRIPTION	PROPOSED INSTALLED COST	OPERATION & MAINT COST OVER 20 YEARS	TN COST BENEFIT \$/LB REMOVED	TP COST BENEFIT \$/LB REMOVED	EPD COMMENTS
11	CON0040 Blowaltes within right-of-way of Perkins Road, Fulmer Road, and Wind Drift Road. Inlet baskets along Lake Drive. (1)	\$834,688.00	\$75,000.00	\$253.00	\$1,587.00	Currently not a priority for COBI.
12	CON0290 Underground 2nd generation baffle box with up-flow BAW filter in the parcel at the west end of Trentwood Boulevard (2)	\$502,458.00	\$67,000.00	\$430.00	\$3,491.00	EPD requested scope from Geosyntec. Possible partnership with COBI. DOT is not interested in partnership at this time.
13	CON0370 2nd generation NSBB with BAW filter within the right-of-way of Barbly Lane (3)	\$328,644.00	\$16,500.00	\$1,017.00	\$6,807.00	Discussions with COBI to review engineering plans. Priority project for COBI. Proposed baffle box with BAW.
14	CON0460 Underground up-flow BAW filter (HPUF) in empty parcel off East Wallace Street (4)	\$536,281.00	\$12,000.00	\$1,136.00	\$7,106.00	EPD requested scope from Geosyntec. Will require future discussions with OC PW, EPD, COBI. SIMWMD may be possible in Jan-Mar timeframe. A priority project for COBI. Baffle box with BAW proposal.
15	CON0270 Underground 2nd generation baffle box with up-flow BAW filter in drainage easement at the intersection of Alsace Court and Montmart Drive. (6)	\$314,175.00	\$67,000.00	\$1,383.00	\$9,605.00	EPD requested scope from Geosyntec.
16	CON0170 Floating treatment wetlands in west wet detention pond and underground up-flow BAW filter (HPUF) for effluent of eastern pond in parcel south of Rothbury Drive. (7)	\$934,666.00	\$19,887.00	\$1,388.00	\$14,433.00	
17	CON0130 Underground up-flow BAW filter (HPUF) in parcel north of Franconia Drive. (8)	\$1,105,457.00	\$30,820.00	\$2,203.00	\$24,543.00	
18	CON0080 Underground 2nd generation baffle box with up-flow BAW filter in right-of-way on the north end of St. Parish Place. (9)	\$313,612.00	\$67,000.00	\$5,912.00	\$37,531.00	Infrastructure improvement needed. OC Utilities has lift station & large sanitary pipe near this proposed location. COBI coordinating with OC on proposed slip line project to improve structure. A priority project for COBI. EPD comment: Cost benefit of TN & TP removal is very high.
19	Feasibility Studies with "Shovel ready plans" for baffle box locations					EPD requested scope from Geosyntec for CON0290, CON0460, CON0270
20	Street Sweeping Optimization Study					New Board did not move forward for approval

Underground up-flow bio-sorption activated media (BAM) filter (HPUF system by ACF)

Lake Conway Water and Navigation Control District 5 Year Budget

DESCRIPTION	ACTUAL SPENT FY 2017-2018	ACTUAL SPENT FY 2018-2019	ACTUAL SPENT FY 2019-2020	ACTUAL SPENT FY 2020-2021	BUDGETED SERVICES FY 2021-2022	STAFF COMMENTS
1 RESERVES	\$891,033.00	\$1,176,799.00	\$1,027,138.00	\$1,276,311.00	\$1,144,400.00	
2 TOTAL REVENUES	\$375,135.35	\$394,399.80	\$423,285.28	\$448,756.01	~\$490,430.00	
3 Off-duty Lake Patrol	\$88,689.09	\$74,718.09	\$68,654.76	\$79,647.63	\$108,978.00	OCSO 1200 hrs, BIPD 600 hrs
4 Ferncreek Gatekeeper	\$2,920.00	\$2,920.00	\$2,928.00	\$3,650.00	\$3,700.00	\$10 per day
5 Routine Services	\$141,762.55	\$259,993.70	\$205,139.13	\$343,744.26	\$654,595.00	Funds are budgeted in this line to be readily available for routine lake services, nav marker improvements, water quality BMPs and projects resulting from studies. Project phases can include feasibility, engineering and design, bidding, construction, and monitoring.
6 Aquatic Plant Management (APM) Herbicide Cost	\$21,790.19	\$31,417.86	\$10,471.57	\$4,673.20		In 2016, FWC stocked an additional 2500 triploid grass carp (TGC) into the Conway Chain.
7 MSTU Administration	\$49,183.67	\$36,389.46	\$48,404.73	\$49,182.32		Staff time includes administration, surveys, aquatic plant treatments
8 Annual Expenses	\$304,345.50	\$405,439.11	\$335,598.19	\$480,897.41		Limited fund accrual for future water quality BMPs or APM.
9 DELTA	\$70,789.85	-\$11,039.31	\$87,687.09	-\$32,141.40		