

**AGENDA**  
**SUWANNEE RIVER WATER MANAGEMENT DISTRICT**  
**GOVERNING BOARD MEETING AND PUBLIC HEARING**

**OPEN TO THE PUBLIC**

October 9, 2018  
9:00 a.m.

District Headquarters  
Live Oak, Florida

1. Call to Order
2. Roll Call
3. Announcement of any Amendments to the Agenda by the Chair  
**Amendments Recommended by Staff:** None
4. Public Comment
5. Consideration of the following Items Collectively by Consent:
  - Agenda Item No. 6 - Approval of Minutes – September 11, 2018 Board Minutes, First Public Hearing on FY 2019 Millage and Budget Minutes, September 25, 2018 Audit Committee, Workshops, and Final Public Hearing on FY 2019 Millage and Budget Minutes
  - Agenda Item No. 11 - Approval of August 2018 Financial Report
  - Agenda Item No. 13 - Approval of a Modification of Water Use Permit 2-121-216485-4, with a 0.0538 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.3114 mgd of Groundwater for Agricultural Use at the Double H Dairy Project, Suwannee County
  - Agenda Item No. 14 - Approval of a Modification of Water Use Permit 2-075-217647-4, with a 0.0596 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.4268 mgd of Groundwater for Agricultural Use at the Thomas Harper Farm Project, Levy County
  - Agenda Item No. 18 - Authorization to Execute a Contract for the Sale of Timber with Great South Timber and Lumber, LLC, for the Fort White Wellfield #1 Timber Sale
  - Agenda Item No. 19 - Ratification of Contract 17/18-233 for the Sale of Timber with North Florida Timber Dealers, Inc. for the Withlacoochee #2 Emergency Timber Sale
  - Agenda Item No. 20 - Authorization to Transmit the Five-Year Water Resource Development Work Program Report
6. Approval of Minutes – September 11, 2018 Board Minutes, First Public Hearing on FY 2019 Millage and Budget Minutes, September 25, 2018 Audit Committee, Workshops, and Final Public Hearing on FY 2019 Millage and Budget Minutes – **Recommend Consent**
7. Items of General Interest for Information/Cooperating Agencies and Organizations
  - A. Presentation of Hydrologic Conditions by Tom Mirti, Director, Water Resource Division
  - B. Cooperating Agencies and Organizations
  - C. Service Recognition – Vince Robinson (10 years)

**GOVERNING BOARD LEGAL COUNSEL**  
**Tom Reeves**

8. Update on Legal Activities / Enforcement Status Report

**BUSINESS AND COMMUNITY SERVICES**  
**Steve Minnis, Deputy Executive Director**

- BCS Page 1 9. Land Acquisition and Disposition Activity Report
- BCS Page 3 10. Permitting Summary Report
- BCS Page 6 11. Approval of August 2018 Financial Report – **Recommend Consent**
- BCS Page 15 12. Authorization to Amend Contract No.17/18-234 with Green Maintenance and Cleaning, Inc.
- BCS Page 16 13. Approval of a Modification of Water Use Permit 2-121-216485-4, with a 0.0538 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.3114 mgd of Groundwater for Agricultural Use at the Double H Dairy Project, Suwannee County – **Recommend Consent**
- BCS Page 26 14. Approval of a Modification of Water Use Permit 2-075-217647-4, with a 0.0596 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.4268 mgd of Groundwater for Agricultural Use at the Thomas Harper Farm Project, Levy County – **Recommend Consent**
- BCS Page 37 15. Authorization to Enter into Contract with the Federal Emergency Management Agency to Administer Risk MAP for Fiscal Year 2018

**WATER AND LAND RESOURCES**  
**Tom Mirti, Deputy Executive Director**

- WLR Page 1 16. District Land Management & Twin River State Forest (TRSF) Activity Summary
- WLR Page 6 17. Agricultural Water Use Monitoring Report
- WLR Page 7 18. Authorization to Execute a Contract for the Sale of Timber with Great South Timber and Lumber, LLC., for the Fort White Wellfield #1 Timber Sale – **Recommend Consent**
- WLR Page 8 19. Ratification of Contract 17/18-233 for the Sale of Timber with North Florida Timber Dealers, Inc., for the Withlacoochee #2 Emergency Timber Sale – **Recommend Consent**
- WLR Page 9 20. Authorization to Transmit the Five-Year Water Resource Development Work Program Report – **Recommend Consent**
- WLR Page 10 21. Approval of 2018 Priority List for Establishment of Minimum Flows and Minimum Water Levels

**ASSISTANT EXECUTIVE DIRECTOR**  
**Darrell Smith**

- AED Page 1      22. Approval to Enter into Agreements with Six Agricultural Producers to Implement Precision Agriculture Practices
- AED Page 3      23. Authorization for the Executive Director to Amend Contract Number 17/18-006 with Perpetual Contracting, Inc., for Services on Middle Suwannee Project

**EXECUTIVE OFFICE**  
**Hugh Thomas, Executive Director**

- EO Page 1      24. District's Weekly Activity Reports
25. Announcements

Unless otherwise noted, all meetings are at District Headquarters in Live Oak, Florida

November 13, 2018      9:00 a.m.      Board Meeting  
Committee Meetings / Workshops

**\*\*Board Workshops immediately follow Board Meetings unless otherwise noted.**

26. Adjournment

Any member of the public, who wishes to address the Board on any agenda item, or any other topic, must sign up (including the completion of the required speaker forms) with the Executive Director or designee before the time designated for Public Comment. During Public Comment, the Chair shall recognize those persons signed up to speak on agenda items first. To the extent time permits, the Chair shall thereafter recognize those persons signed up to speak on non-agenda items. Unless, leave is given by the Chair, (1) all speakers will be limited to three minutes per topic, (2) any identifiable group of three persons or more shall be required to choose a representative, who shall be limited to five minutes per topic. When recognized by the Chair during Public Comment, a speaker may request to be allowed to make his or her comments at the time the Board considers a agenda item. The Chair may grant or deny such request in the Chair's sole discretion.

Definitions:

•"Lobbies" is defined as seeking to influence a district policy or procurement decision or an attempt to obtain the goodwill of a district official or employee. (112.3261(1)(b), Florida Statutes [F.S.]

•"Lobbyist" is a person who is employed and receives payment, or who contracts for economic consideration, for the purpose of lobbying, or a person who is principally employed for governmental affairs by another person or governmental entity to lobby on behalf of that other person or governmental entity. (112.3215(1)(h), F.S.)

The Board may act upon (including reconsideration) any agenda item at any time during the meeting. The agenda may be changed only for good cause as determined by the Chair and stated in the record. If, after the regular time for Public Comment, the agenda is amended to add an item for consideration, the Chair shall allow public comment on the added agenda item prior to the Board taking action thereon.

All decisions of the Chair concerning parliamentary procedures, decorum, and rules of order will be final, unless they are overcome by a majority of the members of the Board in attendance.

If any person decides to appeal any decision with respect to any action considered at the above referenced meeting and hearing, such person may need to ensure a verbatim record of the proceeding is made to include testimony and evidence upon which the appeal is made.

SUWANNEE RIVER WATER MANAGEMENT DISTRICT  
MINUTES OF  
GOVERNING BOARD MEETING AND PUBLIC HEARING

Note: A digital recording system has been used to record these proceedings and is on file in the permanent files of the District. A copy of the Governing Board materials and handouts are a part of the record as if set out in full herein and are filed in the permanent files of the District.

3:00 p.m., Tuesday  
September 11, 2018

District Headquarters  
Live Oak, Florida

Agenda Item No. 1 – Call to Order. The meeting was called to order at 3:01 p.m.

Agenda Item No 2 – Roll Call

Governing Board

Seat	Name	Office	Present	Not Present
Aucilla Basin	Bradley Williams			X
Coastal River Basin	Richard Schwab	Sec./Treas.	X	
Lower Suwannee Basin	Don Quincey, Jr.		X	
Santa Fe & Wacc. Basins	Kevin W. Brown		X	
Upper Suwannee Basin	Alphonas Alexander	Vice Chair		X
At Large	Virginia H. Johns	Chair	X	
At Large	Virginia Sanchez		X	
At Large	Gary Jones			X
At Large	Charles Keith		X	

Governing Board General Counsel

Name	Firm	Present	Not Present
George T. Reeves	Davis, Schnitker, Reeves & Browning, P.A.	X	

Leadership Team

Position	Name	Present	Not Present
Executive Director	Hugh Thomas	X	
Assistant Executive Director	Darrell Smith	X	
Deputy Executive Director	Tom Mirti	X	
Deputy Executive Director	Steve Minnis	X	
Executive Office & Board Coordinator	Robin Lamm	X	

**Guests:**

Stephen James, FDEP	Craig Varn, Manson Bolves & Varn
Lucinda Merritt, Ichetucknee Alliance	Troy Wadford, Suwannee County Sheriff Office
Carolee Howe, Shenandoah Dairy	Jon Dinges, Black & Veatch
Officer Creech, FFWCC	Ed Booth, City of High Springs
Chase Moses, Candler, Moses & Associates	Kathleen Greenwood, FDACS
Jeff Hill	Morgan Westberry, FDEP
Merrillee Malwitz-Jipson	Walter Boatright

**Staff:**

Warren Zwanka	Katelyn Potter
John Good	Pam Shaw
Keith Rowell	Stefani Weeks
Tyler Jordan	Pat Webster
Christina Green	Katelyn Potter

Leroy Marshall  
Matthew Cantrell  
Faye Baird  
Bill McKinstry  
Tyler Jordan

Tilda Musgrove  
Lindsey Garland  
Katie Kelly  
Scott Gregor

Agenda Item No. 3 - Announcement of any Amendments to the Agenda by staff:

Deletion:

Business and Community Services

Agenda Item No. 19 – Authorization to Take Enforcement Action - Robert Hawkins Unpermitted Structures, Dixie County

MOTION WAS MADE BY SCHWAB, SECONDED BY SANCHEZ TO APPROVE THE RECOMMENDATION. MOTION CARRIED UNANIMOUSLY.

Board Member Keith recognized Tim Beach, Mary Diaz, and Ashley Stefanik for outstanding public customer service.

Agenda Item No. 4 – Public Comment.

- Lucinda Merritt, Ichetucknee Alliance – Invited Board to Educational Event sponsored by Ichetucknee Alliance.
- Chase Moses, Candler, Moses & Associates – Available if Board had questions on agenda item 13.
- Jeff Hill - Request reimbursement from District and other matters of concern.
- Ed Booth, City of High Springs – Thanked the District for support of wetlands project.

Agenda Item No. 5 - Consideration of the Following Items Collectively by Consent:

- Agenda Item No. 6 - August 14, 2018 Governing Board Meeting, Lands Committee Meeting, and Workshop Minutes
- Agenda Item No. 11 - Approval of July 2018 Financial Report
- Agenda Item No. 12 - Authorization to Renew Environmental Systems Research Institute GIS Software License Maintenance for Fiscal Year 2019
- Agenda Item No. 14 - Approval of an Easement Request from Berniece Knight over the District's Manatee South Tract, Levy County
- Agenda Item No. 15 - Approval to Institute Detail Assessment and Negotiations for the Chastain Property, Columbia County
- Agenda Item No. 16 - Approval to Surplus 707 Acres of the RO Ranch Tract, Lafayette County
- Agenda Item No. 17 - Approval of a Modification of Water Use Permit 2-079-219289-4, with a 0.0862 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.2125 mgd of Groundwater for Agricultural Use at the John Henry Phillips Farm Project, Madison County
- Agenda Item No. 20 - Request for Authorization to Publish Notice of Rule Development and Notice of Proposed Rule to Amend Rule 40B-2.301, F.A.C.
- Agenda Item No. 23 - Authorization to Renew Contracts 17/18-179, 17/18-180, and 17/18-181 for Forestry Consulting Services for Fiscal Year 2019
- Agenda Item No. 24 - Approval of Spending Authority for Contract 05/06-131 for Florida Forest Service - Twin Rivers State Forest Land Management Activities for Fiscal Year 2019
- Agenda Item No. 25 - Authorization to Enter into Contracts with Qualified Firms for Prescribed Fire and Vegetation Management Services for Fiscal Year 2019

- Agenda Item No. 26 - Authorization to Enter into an Agreement with Florida Forest Service to Accept Grant Funding for Roller Chopping and Prescribed Fire Work in Mallory Swamp
- Agenda Item No. 27 - Authorization to Renew Cooperative Management Agreement 04/15-080 with Florida Forest Service for Prescribed Fire Management Services for Fiscal Year 2019
- Agenda Item No. 28 - Authorization to Extend Contract 17/18-011 with Vieux & Associates, Inc., for Purchase of Gage-Adjusted Radar-Rainfall Data

MOTION WAS MADE BY KEITH, SECONDED BY SCHWAB TO APPROVE THE RECOMMENDATION. MOTION CARRIED UNANIMOUSLY.

Agenda Item No. 6 – Approval of Minutes – August 14, 2018 Governing Board Meeting, Lands Committee Meeting, and Workshop Minutes. Approved on Consent.

Agenda Item No. 7 - Items of General Interest for Information/Cooperating Agencies and Organizations.

- Tom Mirti gave a presentation of hydrologic conditions of the District.
- Cooperating Agencies and Organizations. None
- Service Recognition. None

### **GOVERNING BOARD LEGAL COUNSEL**

Agenda Item No. 8 – Legal Activities Update. No updates to report.

### **BUSINESS AND COMMUNITY SERVICES**

Agenda Item No. 9 – Land Acquisition and Disposition Activity Report. This report was provided as an informational item in the Board materials.

Agenda Item No. 10 – Permitting Summary Report. This report was provided as an informational item in the Board materials.

Agenda Item No. 11 – Approval of July 2018 Financial Report. Approved on Consent

Agenda Item No. 12 – Authorization to Renew Environmental Systems Research Institute GIS Software License Maintenance for Fiscal Year 2019. Approved on Consent.

Agenda Item No. 13 – Authorization to Commence Detailed Assessment and Begin Negotiations with James Moses on a Proposed Property Exchange, Suwannee and Hamilton Counties. Keith Rowell, Land Acquisition/Local Governments, presented this item to the Board.

MOTION WAS MADE BY SCHWAB, SECONDED BY KEITH TO APPROVE THE RECOMMENDATION. MOTION CARRIED UNANIMOUSLY.

Agenda Item No. 14 – Approval of an Easement Request from Berniece Knight over the District's Manatee South Tract, Levy County. Approved on Consent.

Agenda Item No. 15 – Approval to Institute Detail Assessment and Negotiations for the Chastain Property, Columbia County. Approved on Consent.

Agenda Item No. 16 – Approval to Surplus 707 Acres of the RO Ranch Tract, Lafayette County. Approved on Consent.

Agenda Item No. 17 - Approval of a Modification of Water Use Permit 2-079-219289-4, with a 0.0862 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.2125 mgd of Groundwater for Agricultural Use at the John Henry Phillips Farm Project, Madison County. Approved on Consent.

Agenda Item No. 18 – Approval of a Modification of Water Use Permit 2-067-219279-7 with a 0.0589 mgd Increase in Allocation, Authorizing a Maximum of 1.3200 mgd of Groundwater for Agricultural Use at the White Oak Dairy Project, Lafayette County. Stefanie Weeks, WUP/WWC Program Engineer, presented this item to the Board.

MOTION WAS MADE BY SCHWAB, SECONDED BY BROWN TO APPROVE THE RECOMMENDATION. MOTION CARRIED UNANIMOUSLY.

~~Agenda Item No. 19 – Authorization to Take Enforcement Action – Robert Hawkins Unpermitted Structures, Dixie County.~~ Deleted

Agenda Item No. 20 – Request for Authorization to Publish Notice of Rule Development and Notice of Proposed Rule to Amend Rule 40B-2.301, F.A.C. Approved on Consent.

## **WATER AND LAND RESOURCES**

Agenda Item No. 21 - District Land Management & Twin Rivers State Forest (TRSF) Activity Summary. This summary was provided as an informational item in the Board materials.

Agenda Item No. 22 – Agricultural Monitoring Report. This report was provided as an informational item in the Board materials.

Agenda Item No. 23 - Authorization to Renew Contracts 17/18-179, 17/18-180, and 17/18-181 for Forestry Consulting Services for Fiscal Year 2019. Approved on Consent.

Agenda Item No. 24 – Approval of Spending Authority for Contract 05/06-131 for Florida Forest Service -Twin Rivers State Forest Land Management Activities for Fiscal Year 2019. Approved on Consent.

Agenda Item No. 25 - Authorization to Enter into Contracts with Qualified Firms for Prescribed Fire and Vegetation Management Services for Fiscal Year 2019. Approved on Consent.

Agenda Item No. 26 – Authorization to Enter into an Agreement with Florida Forest Service to Accept Grant Funding for Roller Chopping and Prescribed Fire Work in Mallory Swamp. Approved on Consent.

Agenda Item No. 27 – Authorization to Renew Cooperative Management Agreement 04/15-080 with Florida Forest Service for Prescribed Fire Management Services for Fiscal Year 2019. Approved on Consent.

Agenda Item No. 28 – Authorization to Extend Contract 17/18-011 with Vieux & Associates, Inc., for Purchase of Gage-Adjusted Radar-Rainfall Data. Approved on Consent.

Agenda Item No. 29 – Approval of Governing Board Directive Number GBD18-0005 Regarding Water Use Monitoring Assistance. Tom Mirti, Deputy Executive Director, presented this item to the Board.



MINUTES OF  
 SUWANNEE RIVER WATER MANAGEMENT DISTRICT  
 FIRST PUBLIC HEARING ON THE FISCAL YEAR 2019 BUDGET

Note: A digital recording system has been used to record these proceedings and is on file in the permanent files of the District. A copy of the Governing Board materials and handouts are a part of the record as if set out in full herein and are filed in the permanent files of the District.

5:05 p.m., Tuesday  
 September 11, 2018

District Headquarters  
 Live Oak, Florida

Agenda Item No. 1 – Call to Order and Roll Call. The public hearing was opened and called to order at 5:05 p.m.

Governing Board:

<b>Seat</b>	<b>Name</b>	<b>Office</b>	<b>Present</b>	<b>Not Present</b>
Aucilla Basin	Bradley Williams			X
Coastal River Basin	Richard Schwab	Sec./Treas.	X	
Lower Suwannee Basin	Don Quincey, Jr.		X	
Santa Fe & Wacc. Basins	Kevin W. Brown		X	
Upper Suwannee Basin	Alphonas Alexander	Vice Chair		X
At Large	Virginia H. Johns	Chair	X	
At Large	Virginia Sanchez		X	
At Large	Gary Jones			X
At Large	Charles Keith		X	

Governing Board General Counsel

<b>Name</b>	<b>Firm</b>	<b>Present</b>	<b>Not Present</b>
George T. Reeves	Davis, Schnitker, Reeves & Browning, P.A.	X	

Leadership Team

<b>Position</b>	<b>Name</b>	<b>Present</b>	<b>Not Present</b>
Executive Director	Hugh Thomas	X	
Assistant Executive Director	Darrell Smith	X	
Deputy Executive Director	Tom Mirti	X	
Deputy Executive Director	Steve Minnis	X	
Executive Office & Board Coordinator	Robin Lamm	X	

**Guests:**

Craig Varn, Manson Bolves & Varn	Stephen James, FDEP
Carolee Howe, Shenandoah Dairy	Merrilee M. Jipson
Officer Creech, FFWCC	

**Staff:**

Katelyn Potter	John Good
Katie Kelly	Keith Rowell
Christina Green	Tyler Jordan
Kristin Thompson	Lindsey Garland
Pam Shaw	



AUDIT COMMITTEE TELECONFERENCE MEETING

Note: A digital recording system has been used to record these proceedings and is on file in the permanent files of the District. A copy of the Committee materials and handouts are a part of the record as if set out in full herein and are filed in the permanent files of the District.

September 25, 2018  
3:00 p.m.

District Headquarters  
Live Oak, FL

- 1. Call to Order / Committee Roll Call. Meeting began at 3:01 p.m.

<b>Committee Members</b>	<b>Present</b>	<b>Not Present</b>
Don Quincey	X	
Virginia Johns	X	
Richard Schwab	X	

Board Members Charles Keith, Al Alexander, and Tom Reeves, Legal Counsel, also attended the Audit Committee meeting.

**Attendees**

Richard Law, Law, Redd & Crona	Marvin Doyle, Law, Redd & Crona
Dale Jenkins, SJRWMD	Morgan Westberry, FDEP

**Staff**

Hugh Thomas	Darrell Smith
Robin Lamm	Steve Minnis
Katelyn Potter	John Good
Warren Zwanka	Kevin Flavin
Leroy Marshall	Pam Shaw
Tyler Jordan	Tilda Musgrove

- 2. Public Comment. No public comments were received.

- 3. Discussion Items:

Law, Redd, Crona & Munroe, P.A. - Inspector General, will present FY2017-18 Annual Report of Activities, Review Risk Assessment and Review Long-term Plan. Richard Law, Law, Redd & Crona, presented these reports and plans to the Committee

- 4. Announcements: None.

- 5. Adjournment. Meeting adjourned at 3:28 p.m.

\_\_\_\_\_  
Chair

ATTEST:

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SUWANNEE RIVER WATER MANAGEMENT DISTRICT  
GOVERNING BOARD WORKSHOP

Workshop began at 3:28 p.m.

St. Johns River Water Management District Project Update

Dale Jenkins, Bureau Chief, St. Johns River Water Management District (SJRWMD), presented a powerpoint on SJRWMD Projects with the North Florida Regional Water Supply Partnership.

Works of the District Permitting Presentation

Leroy Marshall, Chief Professional Engineer, presented a powerpoint on the Works of the District program.

Workshop ended at 4:52 p.m.



Agenda Item No. 2 - Fiscal Year 2019 Final Millage and Final Budget Overview. Pam Shaw, Chief Financial Officer, presented a powerpoint regarding the Fiscal Year 2019 Final Millage and Final Budget

Agenda Item No. 3 - Comments and questions from the public. No questions or comments from public were received. Ms. Shaw indicated that she received one telephone inquiry.

Agenda Item No. 4 - Adoption of Resolution No. 2018-08, Final Millage Rate for Fiscal Year 2019 Budget. Ms. Shaw presented this item to the Board.

MOTION WAS MADE BY SCHWAB, SECONDED BY QUINCEY TO APPROVE THE RECOMMENDATION. MOTION CARRIED UNANIMOUSLY.

Agenda Item No. 5 - Adoption of Resolution No. 2018-09, Final Budget for Fiscal Year 2019. Ms. Shaw presented this item to the Board.

MOTION WAS MADE BY KEITH, SECONDED BY SCHWAB TO APPROVE THE RECOMMENDATION. MOTION CARRIED UNANIMOUSLY.

Agenda Item No. 6 – Announcements. No announcements.

Agenda Item No. 33 – Adjournment. Meeting adjourned at 5:13 p. m.

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Chair

ATTEST:

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MEMORANDUM

TO: Governing Board

FROM: Katie Kelly, Legislative and Governmental Affairs Chief

THRU: Steve Minnis, Deputy Executive Director, Business and Community Services

DATE: September 28, 2018

RE: Land Acquisition and Disposition Activity Report

**Approved for Detailed Assessment**

Owner	Project Name	Acres	County	Comments
Michael and Freda Shaw	Shaw Conservation Easement Exchange	1,099	Lafayette	Negotiations ongoing.
SRWMD	Sandlin Bay Sale/Exchange to U.S. Forest Service	2,023	Columbia	USFS reissuing request for appraisals.
Jerry Coker, Etal.	Lumber Camp Springs	37 +/-	Gilchrist	Title issue regarding access being resolved. Landowners evaluating access alternatives with Gilchrist County.
Tim Walker, Etal.	Tim Walker Conservation Easement	90 +/-	Lafayette	Appraisal required.
Bob Chastain, Etal	Chastain Tract	7	Columbia	Detailed Assessment Approved 09-11-2018.
James Moses	Moses Exchange	10-20	Hamilton and Suwannee	Detailed Assessment Approved 09-11-2018.

**Authorized for Surplus**

Tract	Acres	County	Acquired Date	Funding Source	Appraisal Date	Price	Comments
Falmouth North (8 lots)	6	Suwannee	4/1998	WMLTF	8/27/10	To be determined by appraisal update.	Appraisal update required.
Timber River	1	Madison	3/1998	WMLTF	8/5/10; Updated 7/30/14	To be determined by appraisal update.	Appraisal update required.
Turtle Spring Surplus Tract	32	Lafayette	5/13/2015	Florida Forever	5/24/15	To be determined by appraisal update.	Appraisal update required.
Bay Creek	55	Columbia	2/1/1988	Save Our Rivers	N/A	To be determined by appraisal.	Appraisal required.

**Authorized for Surplus**

<b>Tract</b>	<b>Acres</b>	<b>County</b>	<b>Acquired Date</b>	<b>Funding Source</b>	<b>Appraisal Date</b>	<b>Price</b>	<b>Comments</b>
Branford Bend	50	Suwannee	6/30/2004	Florida Forever	N/A	To be determined by appraisal.	Appraisal required.
RO Ranch West	570	Lafayette	7/27/2006	Florida Forever	N/A	To be determined by appraisal.	Appraisal required.
RO Ranch Equestrian Area	707	Lafayette	7/27/2006	Florida Forever	N/A	To be determined by appraisal.	Appraisal required.
Columbia County Surplus	78 +/-	Columbia	7/2015	Enforcement Action	TBD	To be determined by appraisal.	Title Commitment complete.

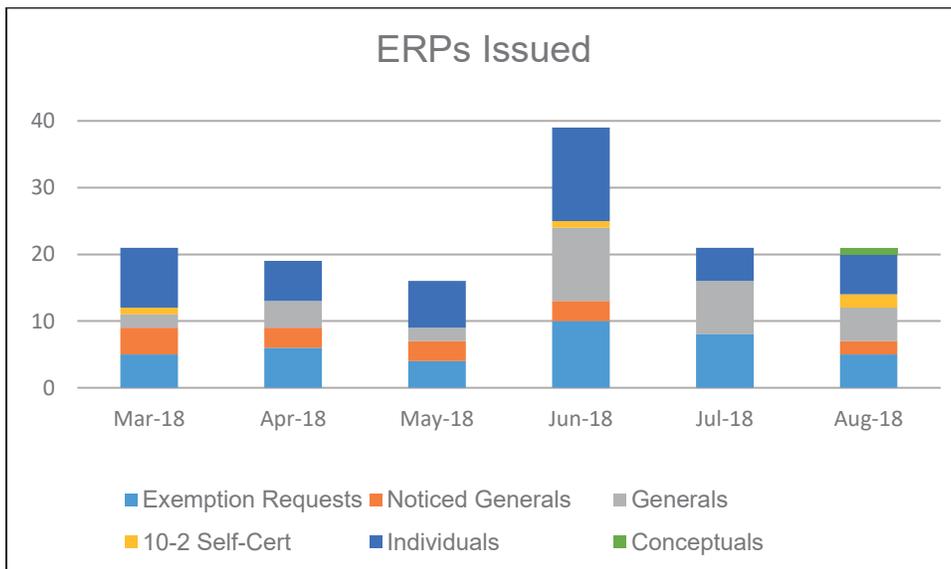
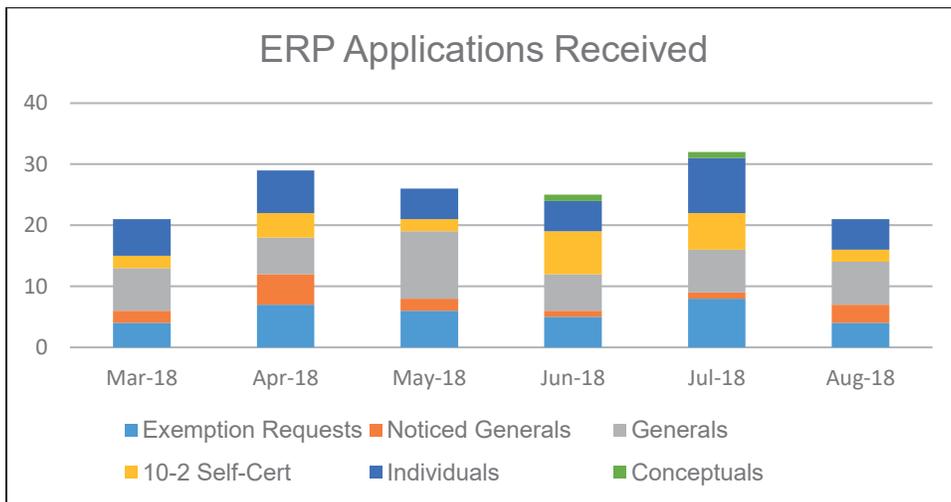
**Easement Requests**

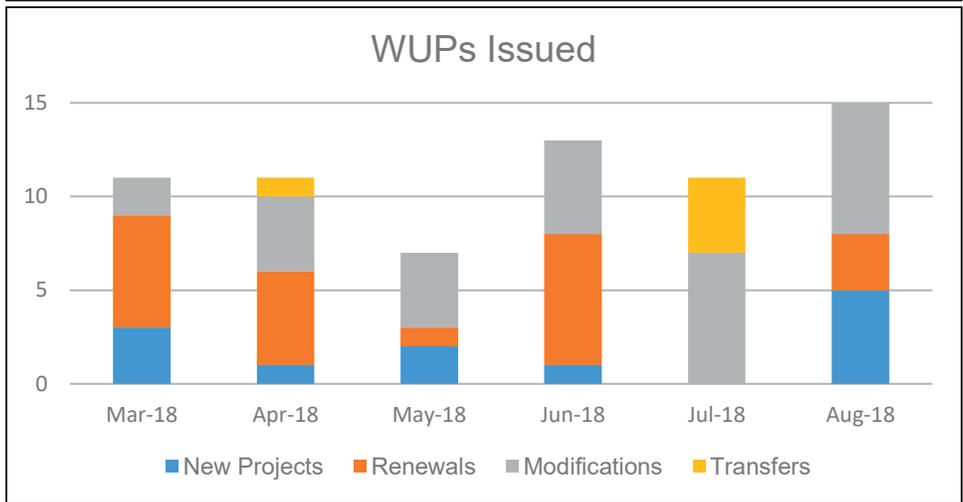
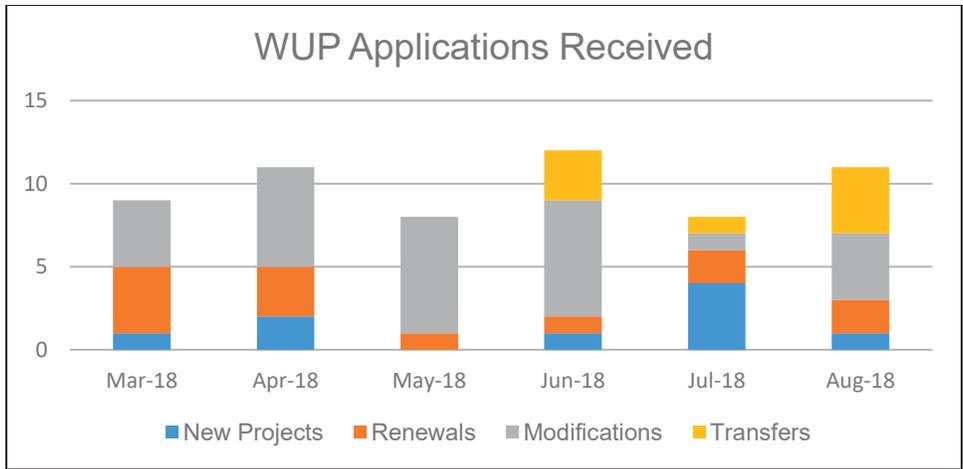
<b>Name</b>	<b>Type</b>	<b>County</b>	<b>Tract</b>	<b>Comments</b>
Berneice Knight	Access	Levy	Manatee South	Survey, legal description, appraisal, and payment required.

KK/tm

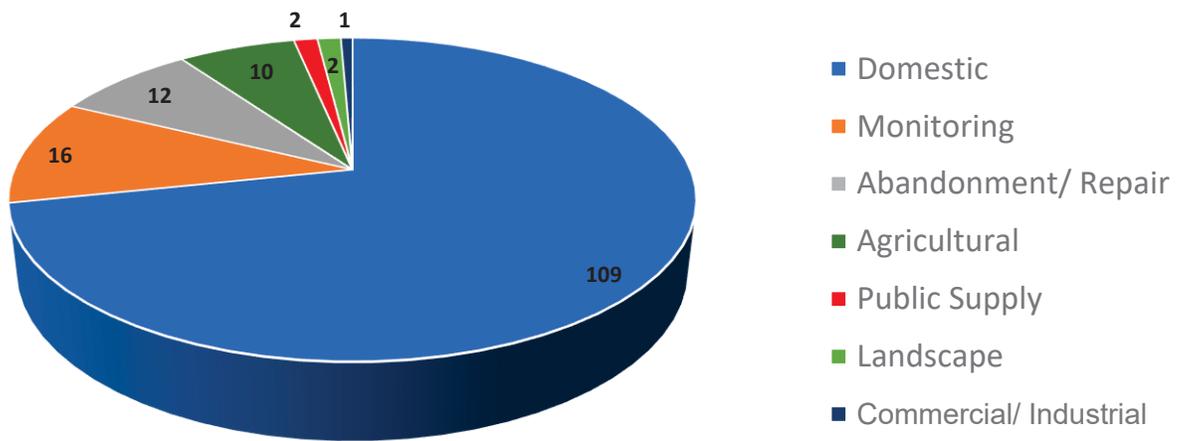
MEMORANDUM

TO: Governing Board  
FROM: Warren Zwanka, P.G., Division Director, Resource Management  
THRU: Steve Minnis, Deputy Executive Director, Business and Community Services  
DATE: September 28, 2018  
RE: Permitting Summary Report





Water Well Permits Issued Aug-18



**40B-2 (Amendments)  
Water Use Permitting**

GB Rule Dev. Auth.	9/11/2018
Notice of Rule Dev.	9/24/2018
GB Proposed Rule Auth.	
Send to JAPC/OFARR	
Notice of Proposed Rule	
Notice of Rule Change	
Mail to DOS	
<b>Effective Date</b>	

**40B-3 (Amendments)  
Water Well Permitting**

GB Rule Dev. Auth.	Nov 2018
Notice of Rule Dev.	
GB Proposed Rule Auth.	
Send to JAPC/OFARR	
Notice of Proposed Rule	
Notice of Rule Change	
Mail to DOS	
<b>Effective Date</b>	

MEMORANDUM

TO: Governing Board

FROM: Pam Shaw, Chief Financial Officer

THRU: Steve Minnis, Deputy Executive Director, Business and Community Services

DATE: September 28, 2018

RE: Approval of August 2018 Financial Report

RECOMMENDATION

**Staff recommends the Governing Board approve the August 2018 Financial Report and confirm the expenditures of the District.**

BACKGROUND

Section 373.553(1), Florida Statutes, authorizes the delegation of authority by the Governing Board to the Executive Director to disburse District funds, providing certification is made to the Board at the next regular meeting that such disbursement is proper, in order, and within budgetary limits. In compliance with the statutory provisions in Chapter 373, the Governing Board of the Suwannee River Water Management District has directed staff to prepare a Financial Report as attached.

If you have any questions about this recommendation or if you would like any further information regarding the District's financial transactions, please contact me.

/tm  
Attachments

**Suwannee River Water Management District  
Cash Report  
August 2018**

<b>Financial Institution/Account</b>	<b>Monthly Interest</b>	<b>Interest Rate %</b>	<b>Closing Balance</b>
First Federal Permit Fee	\$0.00		\$31,623.31
First Federal Accounts Payable	\$0.00		\$35,000.00
First Federal Depository	\$176.92	0.03%	\$662,831.39
Special Purpose Investment Account (SPIA)*	<u>\$66,880.18</u>	1.92%	<u>\$40,323,706.06</u>
TOTAL	<u><u>\$67,057.10</u></u>		<u><u>\$41,053,160.76</u></u>

\*SPIA is part of the Florida Treasury Investment Pool

**Suwannee River Water Management District  
Statement of Sources and Uses of Funds  
For the Month ending August 31, 2018  
(Unaudited)**

	<b>Current Budget</b>	<b>Actuals Through 8/31/2018</b>	<b>Variance (Under)/Over Budget</b>	<b>Actuals As A % of Budget</b>
<b>Sources</b>				
Ad Valorem Property Taxes	\$ 5,591,837	\$ 5,758,767	\$ 166,930	103.0%
Intergovernmental Revenues	\$ 59,873,387	\$ 12,990,007	\$ (46,883,380)	21.7%
Interest on Invested Funds	\$ 140,000	\$ 642,114	\$ 502,114	458.7%
License and Permit Fees	\$ 135,000	\$ 191,448	\$ 56,448	141.8%
Other	\$ 1,226,100	\$ 591,673	\$ (634,427)	48.3%
Fund Balance <sup>1</sup>	\$ 15,891,753	\$ 2,356,226	\$ (13,535,527)	14.8%
<b>Total Sources</b>	<b>\$ 82,858,077</b>	<b>\$ 22,530,235</b>	<b>\$ (60,327,842)</b>	<b>27.2%</b>

	<b>Current Budget</b>	<b>Expenditures</b>	<b>Encumbrances <sup>2</sup></b>	<b>Available Budget</b>	<b>%Expended</b>	<b>%Obligated <sup>3</sup></b>
<b>Uses</b>						
Water Resources Planning and Monitoring	\$ 9,322,743	\$ 3,953,104	\$ 3,726,867	\$ 1,642,771	42%	82%
Acquisition, Restoration and Public Works	\$ 65,326,091	\$ 9,629,188	\$ 27,260,799	\$ 28,436,104	15%	56%
Operation and Maintenance of Lands and Works	\$ 5,140,309	\$ 3,041,584	\$ 378,792	\$ 1,719,933	59%	67%
Regulation	\$ 1,392,916	\$ 1,083,161	\$ 10,601	\$ 299,154	78%	79%
Outreach	\$ 225,475	\$ 196,791	\$ 25,000	\$ 3,684	87%	98%
Management and Administration	\$ 1,450,543	\$ 1,209,449	\$ 28,948	\$ 212,145	83%	85%
<b>Total Uses</b>	<b>\$ 82,858,077</b>	<b>\$ 19,113,278</b>	<b>\$ 31,431,007</b>	<b>\$ 32,313,792</b>	<b>23%</b>	<b>61%</b>

<sup>1</sup> Actual Fund Balance used is recorded at the end of the fiscal year. This amount represents Fund Balance used for the Monitor Well Improvement Program and the AG and RIVER Cost-Share Programs

<sup>2</sup> Encumbrances represent unexpended balances of open purchase orders and contracts.

<sup>3</sup> Represents the sum of expenditures and encumbrances as a percentage of the available budget.

This financial statement is prepared as of August 31, 2018 and covers the interim period since the most recent audited financial statements.

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT**  
**STATEMENT OF ACTIVITY - REVENUE AND EXPENSE ROLLUP (UNAUDITED)**  
**FOR 8/31/2018**

	Y-T-D ACTUAL	ENCUMBRANCE	ANNUAL BUDGET
FUND Report Recap -			
REVENUES			
DISTRICT REVENUES	7,184,003	0	6,866,837
LOCAL REVENUES	180,880	0	226,100
STATE REVENUES	12,508,720	0	55,766,437
FEDERAL REVENUES	300,407	0	3,956,950
FUND BALANCE UTILIZATION	2,356,226	0	16,041,753
TOTAL REVENUES	<u>22,530,236</u>	<u>0</u>	<u>82,858,077</u>
EXPENDITURES			
SALARIES AND BENEFITS	4,784,298	0	6,047,222
CONTRACTUAL SERVICES	6,060,997	10,266,780	32,477,909
OPERATING EXPENDITURES	804,437	98,966	1,370,119
OPERATING CAPITAL OUTLAY	202,158	2,998	308,044
FIXED CAPITAL OUTLAY	3,177,768	0	8,371,848
INTERAGENCY EXPENDITURES	4,083,620	21,062,263	34,282,935
TOTAL EXPENDITURES	<u>19,113,278</u>	<u>31,431,007</u>	<u>82,858,077</u>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	<u>3,416,958</u>	<u>(31,431,007)</u>	<u>0</u>
FUND 01 - GENERAL FUND			
REVENUES			
DISTRICT REVENUES	6,188,124	0	1,678,945
LOCAL REVENUES	0	0	0
STATE REVENUES	4,375,000	0	4,375,000
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	3,438,331
TOTAL REVENUES	<u>10,563,124</u>	<u>0</u>	<u>9,492,276</u>
EXPENDITURES			
SALARIES AND BENEFITS	4,145,699	0	5,236,014
CONTRACTUAL SERVICES	908,115	902,643	2,210,609
OPERATING EXPENDITURES	523,029	34,771	840,463
OPERATING CAPITAL OUTLAY	67,336	2,661	156,290
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	761,190	869,071	1,048,900
TOTAL EXPENDITURES	<u>6,405,369</u>	<u>1,809,146</u>	<u>9,492,276</u>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	<u>4,157,755</u>	<u>(1,809,146)</u>	<u>0</u>
FUND 05 - MIDDLE SUWANNEE			
REVENUES			
DISTRICT REVENUES	0	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	103,182	0	589,083
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	0
TOTAL REVENUES	<u>103,182</u>	<u>0</u>	<u>589,083</u>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	103,182	51,967	589,083
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	0
TOTAL EXPENDITURES	<u>103,182</u>	<u>51,967</u>	<u>589,083</u>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	<u>0</u>	<u>(51,967)</u>	<u>0</u>

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT**  
**STATEMENT OF ACTIVITY - REVENUE AND EXPENSE ROLLUP (UNAUDITED)**  
**FOR 8/31/2018**

	Y-T-D ACTUAL	ENCUMBRANCE	ANNUAL BUDGET
<b>FUND 06 - SPRINGS GRANTS</b>			
REVENUES			
DISTRICT REVENUES	1,708,379	0	4,865,930
LOCAL REVENUES	0	0	0
STATE REVENUES	3,109,171	0	43,852,235
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	0
TOTAL REVENUES	<u>4,817,550</u>	<u>0</u>	<u>48,718,165</u>
EXPENDITURES			
SALARIES AND BENEFITS	61	0	0
CONTRACTUAL SERVICES	1,161,736	5,138,801	15,494,577
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	2,908,379	0	7,388,898
INTERAGENCY EXPENDITURES	1,203,047	17,505,409	25,834,690
TOTAL EXPENDITURES	<u>5,273,223</u>	<u>22,644,210</u>	<u>48,718,165</u>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	<u>(455,673)</u>	<u>(22,644,210)</u>	<u>0</u>
<b>FUND 07 - LOCAL REVENUE</b>			
REVENUES			
DISTRICT REVENUES	0	0	0
LOCAL REVENUES	105,600	0	105,600
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	0
TOTAL REVENUES	<u>105,600</u>	<u>0</u>	<u>105,600</u>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	0	0	0
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	105,600	91,600	105,600
TOTAL EXPENDITURES	<u>105,600</u>	<u>91,600</u>	<u>105,600</u>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	<u>0</u>	<u>(91,600)</u>	<u>0</u>
<b>FUND 08 - WMLTF - SPRINGS</b>			
REVENUES			
DISTRICT REVENUES	3,087	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	11,979	0	425,000
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	0
TOTAL REVENUES	<u>15,066</u>	<u>0</u>	<u>425,000</u>
EXPENDITURES			
SALARIES AND BENEFITS	14,769	0	0
CONTRACTUAL SERVICES	0	0	275,000
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	1,328	194,676	150,000
TOTAL EXPENDITURES	<u>16,097</u>	<u>194,676</u>	<u>425,000</u>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	<u>(1,031)</u>	<u>(194,676)</u>	<u>0</u>

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT**  
**STATEMENT OF ACTIVITY - REVENUE AND EXPENSE ROLLUP (UNAUDITED)**  
**FOR 8/31/2018**

	Y-T-D ACTUAL	ENCUMBRANCE	ANNUAL BUDGET
<b>FUND 09 - MONITOR WELL</b>			
REVENUES			
DISTRICT REVENUES	0	0	30,000
LOCAL REVENUES	0	0	0
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	357,249	0	500,000
<b>TOTAL REVENUES</b>	<b>357,249</b>	<b>0</b>	<b>530,000</b>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	357,249	273,357	500,000
OPERATING EXPENDITURES	0	0	30,000
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>357,249</b>	<b>273,357</b>	<b>530,000</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>0</b>	<b>(273,357)</b>	<b>0</b>
<b>FUND 10 - LAND CONSERVATION - FLORIDA FOREVER &amp; P2000</b>			
REVENUES			
DISTRICT REVENUES	(1,461,394)	0	(1,485,930)
LOCAL REVENUES	0	0	0
STATE REVENUES	1,485,930	0	1,800,000
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	47,500
<b>TOTAL REVENUES</b>	<b>24,536</b>	<b>0</b>	<b>361,570</b>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	5,149	2,400	359,070
OPERATING EXPENDITURES	0	0	2,500
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>5,149</b>	<b>2,400</b>	<b>361,570</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>19,387</b>	<b>(2,400)</b>	<b>0</b>
<b>FUND 12 - DOT ETDM</b>			
REVENUES			
DISTRICT REVENUES	606	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	10,000
<b>TOTAL REVENUES</b>	<b>606</b>	<b>0</b>	<b>10,000</b>
EXPENDITURES			
SALARIES AND BENEFITS	355	0	10,000
CONTRACTUAL SERVICES	0	0	0
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>355</b>	<b>0</b>	<b>10,000</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>251</b>	<b>0</b>	<b>0</b>

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT**  
**STATEMENT OF ACTIVITY - REVENUE AND EXPENSE ROLLUP (UNAUDITED)**  
**FOR 8/31/2018**

	Y-T-D ACTUAL	ENCUMBRANCE	ANNUAL BUDGET
<b>FUND 13 - LAND MANAGEMENT &amp; OPERATIONS</b>			
<b>REVENUES</b>			
DISTRICT REVENUES	697,032	0	1,777,892
LOCAL REVENUES	0	0	0
STATE REVENUES	2,293,071	0	2,380,119
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	852,298
<b>TOTAL REVENUES</b>	<b>2,990,103</b>	<b>0</b>	<b>5,010,309</b>
<b>EXPENDITURES</b>			
SALARIES AND BENEFITS	612,772	0	801,208
CONTRACTUAL SERVICES	1,454,520	313,781	2,625,691
OPERATING EXPENDITURES	274,968	64,194	493,656
OPERATING CAPITAL OUTLAY	134,822	337	151,754
FIXED CAPITAL OUTLAY	269,389	0	275,000
INTERAGENCY EXPENDITURES	556,629	480	663,000
<b>TOTAL EXPENDITURES</b>	<b>3,303,100</b>	<b>378,792</b>	<b>5,010,309</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>(312,997)</b>	<b>(378,792)</b>	<b>0</b>
<b>FUND 19 - FDOT MITIGATION</b>			
<b>REVENUES</b>			
DISTRICT REVENUES	13,475	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	710,733	0	950,000
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	200,000
<b>TOTAL REVENUES</b>	<b>724,208</b>	<b>0</b>	<b>1,150,000</b>
<b>EXPENDITURES</b>			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	724,208	291,544	1,150,000
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>724,208</b>	<b>291,544</b>	<b>1,150,000</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>0</b>	<b>(291,544)</b>	<b>0</b>
<b>FUND 29 - SUWANNEE RIVER PARTNERSHIP (SRP)</b>			
<b>REVENUES</b>			
DISTRICT REVENUES	16,962	0	0
LOCAL REVENUES	75,280	0	120,500
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	0
<b>TOTAL REVENUES</b>	<b>92,242</b>	<b>0</b>	<b>120,500</b>
<b>EXPENDITURES</b>			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	0	0	0
OPERATING EXPENDITURES	4,491	0	3,500
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	87,750	29,250	117,000
<b>TOTAL EXPENDITURES</b>	<b>92,241</b>	<b>29,250</b>	<b>120,500</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>1</b>	<b>(29,250)</b>	<b>0</b>

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT**  
**STATEMENT OF ACTIVITY - REVENUE AND EXPENSE ROLLUP (UNAUDITED)**  
**FOR 8/31/2018**

	Y-T-D ACTUAL	ENCUMBRANCE	ANNUAL BUDGET
<b>FUND 30 - NATIONAL GUARD BUREAU</b>			
REVENUES			
DISTRICT REVENUES	4,165	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	707,950
FUND BALANCE UTILIZATION	0	0	0
<b>TOTAL REVENUES</b>	<b>4,165</b>	<b>0</b>	<b>707,950</b>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	4,165	0	0
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	707,950
INTERAGENCY EXPENDITURES	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>4,165</b>	<b>0</b>	<b>707,950</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FUND 33 - PCS MITIGATION - LAND ACQUISITION</b>			
REVENUES			
DISTRICT REVENUES	13,568	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	0
<b>TOTAL REVENUES</b>	<b>13,568</b>	<b>0</b>	<b>0</b>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	0	0	0
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>13,568</b>	<b>0</b>	<b>0</b>
<b>FUND 51 - DISTRICT AG COST-SHARE</b>			
REVENUES			
DISTRICT REVENUES	0	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	632,900	0	5,388,579
<b>TOTAL REVENUES</b>	<b>632,900</b>	<b>0</b>	<b>5,388,579</b>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	630,900	928,250	5,360,579
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	2,000	0	28,000
<b>TOTAL EXPENDITURES</b>	<b>632,900</b>	<b>928,250</b>	<b>5,388,579</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>0</b>	<b>(928,250)</b>	<b>0</b>

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT**  
**STATEMENT OF ACTIVITY - REVENUE AND EXPENSE ROLLUP (UNAUDITED)**  
**FOR 8/31/2018**

	Y-T-D ACTUAL	ENCUMBRANCE	ANNUAL BUDGET
<b>FUND 53 - DISTRICT RIVER COST-SHARE</b>			
REVENUES			
DISTRICT REVENUES	0	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	0	0	0
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	1,366,076	0	5,605,045
<b>TOTAL REVENUES</b>	<b>1,366,076</b>	<b>0</b>	<b>5,605,045</b>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	0	0	269,300
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	1,366,076	2,371,777	5,335,745
<b>TOTAL EXPENDITURES</b>	<b>1,366,076</b>	<b>2,371,777</b>	<b>5,605,045</b>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	0	(2,371,777)	0
<b>FUND 56 - FEMA</b>			
REVENUES			
DISTRICT REVENUES	0	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	0	0	0
FEDERAL REVENUES	300,407	0	3,249,000
FUND BALANCE UTILIZATION	0	0	0
<b>TOTAL REVENUES</b>	<b>300,407</b>	<b>0</b>	<b>3,249,000</b>
EXPENDITURES			
SALARIES AND BENEFITS	0	0	0
CONTRACTUAL SERVICES	299,031	1,794,404	3,249,000
OPERATING EXPENDITURES	1,948	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	0
<b>TOTAL EXPENDITURES</b>	<b>300,979</b>	<b>1,794,404</b>	<b>3,249,000</b>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	(572)	(1,794,404)	0
<b>FUND 60 - REIMBURSABLE GRANTS</b>			
REVENUES			
DISTRICT REVENUES	0	0	0
LOCAL REVENUES	0	0	0
STATE REVENUES	419,655	0	1,395,000
FEDERAL REVENUES	0	0	0
FUND BALANCE UTILIZATION	0	0	0
<b>TOTAL REVENUES</b>	<b>419,655</b>	<b>0</b>	<b>1,395,000</b>
EXPENDITURES			
SALARIES AND BENEFITS	10,642	0	0
CONTRACTUAL SERVICES	412,744	569,634	395,000
OPERATING EXPENDITURES	0	0	0
OPERATING CAPITAL OUTLAY	0	0	0
FIXED CAPITAL OUTLAY	0	0	0
INTERAGENCY EXPENDITURES	0	0	1,000,000
<b>TOTAL EXPENDITURES</b>	<b>423,386</b>	<b>569,634</b>	<b>1,395,000</b>
EXCESS REVENUES OVER (UNDER) EXPENDITURES	(3,731)	(569,634)	0

## MEMORANDUM

TO: Governing Board  
FROM: Pam Shaw, Chief Financial Officer  
THRU: Steve Minnis, Deputy Executive Director, Business and Community Services  
DATE: September 28, 2018  
RE: Authorization to Amend Contract No.17/18-234 with Green Maintenance and Cleaning, Inc.

### RECOMMENDATION

**Staff recommends the Governing Board authorize the Executive Director to amend contract No.17/18-234 with Green Maintenance and Cleaning, Inc. not to exceed \$11,200.**

### BACKGROUND

On June 21, 2018, Invitation to Bid (ITB) 17/18-027AO for painting services was posted on the District website. Four responses were received by the deadline including Green Maintenance and Cleaning, Inc - \$30,454, Frazier Finishes, LLC - \$37,782.25, Lenard Bell Painting, Inc - \$76,900, and Palmetto Plantation - \$88,770. On August 14, 2018, the Governing Board authorized the Executive Director to enter into a contract with Green Maintenance and Cleaning, Inc.

Once the old wallpaper was removed in the main building, it was discovered that the condition of the walls required unanticipated prep work to bring them to an acceptable condition to be painted. This unanticipated prep work includes extensive sanding and requires an additional primer coat. The District is not being charged for the extensive sanding. The extra labor associated with the additional primer coat was not included in the ITB scope of work. The additional labor cost associated with the unanticipated primer coat is \$9,820.

At the time of the ITB, six rooms were excluded that should be added to the scope of work. Five of these rooms were initially omitted because they contain heavy equipment. District staff was concerned with coordinating moving of the heavy equipment with the painting schedule. As work has progressed, staff has concluded that the moving of this equipment can be achieved in a coordinated manner with the painting schedule. The additional labor cost for these additional six rooms is \$1,380.

The amendment requested totals \$11,200. This amendment will increase contract 17/18-234 from \$30,454 to \$41,654, which includes additional labor to bring the walls up to an acceptable condition to receive paint and to add the six rooms that were excluded from the initial ITB.

Funds are included in the Fiscal Year 2019 budget under account code 13-2586-3-3300-02.

AS/tm

## MEMORANDUM

TO: Governing Board

FROM: Warren Zwanka, P.G., Division Director, Resource Management

THRU: Steve Minnis, Deputy Executive Director, Business and Community Services

DATE: September 28, 2018

RE: Approval of a Modification of Water Use Permit 2-121-216485-4, with a 0.0538 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.3114 mgd of Groundwater for Agricultural Use at the Double H Dairy Project, Suwannee County

### RECOMMENDATION

**Staff recommends the Governing Board approve Water Use Permit number 2-121-216485-4 with seventeen standard conditions and eleven special limiting conditions, to Double H Dairy LLC, in Suwannee County.**

### BACKGROUND

This is a modification of an existing agricultural water use to receive a ten-year permit extension. The project consists of approximately 231 controlled and 130 irrigated acres and is located approximately ten miles south of Wellborn in Suwannee County. Groundwater from one well is used to irrigate corn, pasture, or rye through a center pivot. Groundwater from an additional well is used to provide the livestock watering requirements of approximately 300 milking and 300 dry dairy cattle. Supplemental irrigation models were used to determine the 0.3114 mgd 1-in-10-year drought allocation, a 0.0538 mgd decrease from the previous sequence.

All active wells 8-inches in diameter or greater (1 of 2) will be monitored through electric consumption. There have been no reports of interference or observed harm to water resources associated with previous withdrawals at this project; and dairy wastewater will be used as a groundwater offset when available.

Staff has determined the proposed withdrawals are in accordance with Minimum Flows and Minimum Water Levels (MFLs) and MFL recovery strategies pursuant to Chapters 62-42, 40B-8, and Emergency Rule 40BER17-01, Florida Administrative Code (F.A.C.). The application is complete and satisfies the conditions for issuance in Chapter 40B-2, F.A.C.

SW/tm

WATER USE TECHNICAL STAFF REPORT  
26-Sep-2018  
APPLICATION #: 2-121-216485-4

**Owner:** Helma Arts  
Double H Dairy LLC  
20023 25th Rd  
Lake City, FL 32024  
(419) 910-1095

**Applicant:** Helma Arts  
Double H Dairy LLC  
20023 25th Rd  
Lake City, FL 32024  
(419) 910-1095

**Agent:** Not Applicable

**Compliance Contact:** Helma Arts  
Double H Dairy LLC  
20023 25th Rd  
Lake City, FL 32024  
(419) 910-1095

**Project Name:** Double H Dairy  
**County:** Suwannee

**Located in WRCA:** Yes  
**Objectors:** No

**Authorization Statement:**

The permittee is authorized to withdraw a maximum of 0.2604 mgd of groundwater for supplemental irrigation of corn/corn/rye or a maximum of 0.1340 mgd of groundwater for supplement irrigation of pasture/rye. The permittee is authorized to withdraw a maximum of 0.0510 mgd for livestock use.

**Recommendation:** Approval

**Reviewers:** Stefani Weeks; Matthew Cantrell; Warren Zwanka

**WATER USE SUMMARY:**

<b>Allocation Summary</b>		
<b>Average Daily Rate (Million Gallons Per Day)</b>	<b>Freeze Protection (Million Gallons Per Year)</b>	<b>Allocation Change (Million Gallons Per Day)</b>
0.3114	0.0000	-0.0538

**Recommended Permit Duration and Compliance Reporting:** Ten-year permit extension; to expire November 24, 2033.

**USE STATUS: This is a transfer and modification of an existing agricultural use to add automated monitoring of groundwater withdrawals.**

**PROJECT DESCRIPTION:**

The project is located two miles north of CR-240 on 25th Road, approximately 10 miles south of Wellborn in Suwannee County; and consists of 231 controlled and 130 irrigated acres. Groundwater from one well is used to irrigate corn, rye, and pasture through one center pivot. Groundwater from an additional well is used to provide the livestock requirements of approximately 300 milking and 300 dry cows.

The permittee has elected to provide SRWMD electrical consumption to comply with the water use reporting requirement of special condition 18.

**WATER USE CALCULATIONS:**

The livestock watering requirements were calculated based on the industry standard 150 gallons per milking cow per day and 20 gallons per dry cow per day for the cattle populations provided.

The District's WUPAR model was used to determine the 15.61 inches/year of supplemental irrigation for corn grown from March 15 to July 31.

The GIS-Based Water Resources and Agricultural Permitting and Planning System was used to determine the following supplemental irrigation requirements:

Pasture grown year round: 8.76 inches/ year

Corn grown from July 31 to October 31: 6.21 inches/ year

Rye grown from October 15 to March 15: 5.10 inches/ year

**PERMIT APPLICATION REVIEW:**

Section 373.223, Florida Statutes (F.S.), and Section 40B-2.301, Florida Administrative Code (F.A.C.), require an applicant to establish that the proposed use of water:

(a) is a reasonable-beneficial use;

(b) will not interfere with any presently existing legal use of water; and

(c) is consistent with the public interest.

In addition, the above requirements are detailed further in the District's Water Use Permitting Applicant's Handbook ("A.H."). District staff has reviewed the water use permit application pursuant to the above-described requirements and have determined that the application meets the conditions for issuance of this permit. Highlights of the staff review are provided below.

**Is this a reasonable–beneficial use?**

**[ref. 40B-2.301(1)(a)]**

Yes. Based on the evaluation of criteria listed in 40B-2.301(2)(a)-40B-2.301(2)(k), F.A.C.

**Will this use interfere with any presently existing legal use of water?**  
**[ref. 40B-2.301(1)(b)]**

No. Project withdrawals were modeled and showed a simulated Upper Floridan aquifer drawdown of less than 0.5 feet at the project boundary. Additionally, no reports of interference from previous groundwater withdrawals have been received by the district, therefore, continued groundwater withdrawals at this project are not expected to interfere with any presently existing legal uses of water.

**Will this use be consistent with the public interest?**  
**[ref. 40B-2.301(1)(c)]**

Yes. The use of water for agricultural purposes is consistent with the public interest.

**Will this use be in such a quantity that is necessary for economic and efficient use?**  
**[ref. 40B-2.301(2)(a)]**

Yes. Water use consistent with the aforementioned supplemental irrigation models and industry standards is economic and efficient. The permittee will implement the following water conservation measures for the agricultural uses: checking daily for irrigation leaks and repairing them as needed, using new or retrofitted pivot irrigation systems and efficiency testing those systems every five years to maintain an 80% distribution uniformity, burying irrigation pipe to prevent damage, using UF-IFAS and NRCS-approved methods for scheduling irrigation, planting cover crops in the winter, and irrigating at night and when the wind is less than 5 mph when feasible.

**Will the source of the water be suitable for the consumptive use?**  
**[ref. 40B-2.301(2)(c)]**

Yes. Staff determined the Upper Floridan aquifer is suitable for the consumptive use.

**Will the source of the water be capable of producing the requested amount?**  
**[ref. 40B-2.301(2)(d)]**

Yes. Staff determined the Upper Floridan aquifer is capable of producing the requested amounts.

**Except when the use is for human food preparation and direct human consumption, is the lowest quality water source that is suitable for the purpose and is technically, environmentally, and economically feasible being utilized?**  
[ref. 40B-2.301(2)(e)]

Yes. The lowest quality water sources that are suitable for the purpose and that are technically, environmentally, and economically feasible are being utilized. Dairy wastewater will be used in lieu of groundwater when available.

**Will the use harm existing offsite land uses as a result of hydrologic alterations?**  
[ref. 40B-2.301(2)(f)]

No. The use is not expected to harm offsite land uses.

**Will the use cause harm to the water resources of the area that include water quality impacts to the water source resulting from the withdrawal or diversion, water quality impacts from dewatering discharge to receiving waters, saline water intrusion or harmful upconing, hydrologic alterations to natural systems, including wetlands or other surface waters, or other harmful hydrologic alterations to the water resources of the area?**  
[ref. 40B-2.301(2)(g)]

No. Project withdrawals were modeled and showed a simulated drawdown of less than 0.5 feet at project wetlands. Staff inspected project wetlands and determined the continued water use is not expected to cause any harm to natural systems or the water resources of the area for the duration of the permit.

**Is the use in accordance with any minimum flow or level and implementation strategy established pursuant to Sections 373.042 and 373.0421, F.S.?**  
[ref. 40B-2.301(2)(h)]

Yes. The proposed withdrawals are in accordance with MFLs and MFL recovery strategies pursuant to Chapters 62-42 and 40B-8, F.A.C.; and Emergency Rule 40BER17-01. Additionally, cumulative reductions in flow from the allocation were evaluated at the Outstanding Florida Springs (OFS) and no measurable reductions were recorded. No OFS has an estimated cumulative flow decline of 9.9%.

**Will the project use water reserved pursuant to subsection 373.223(4), F.S.?**  
[ref. 40B-2.301(2)(i)]

No. The project will not use water reserved by the Governing Board pursuant to subsection 373.223(4), F.S.

## WITHDRAWAL POINT INFORMATION:

**Site Name:** Double H Dairy

Wells Detail						
District ID	Station Name	Casing Diameter (inches)	Capacity (GPM)	Source Name	Status	Use Type
119493	Well No. 1	12	1200	Groundwater	Active	Agricultural
119494	Well No. 2	6	120	Groundwater	Inactive	--
121437	Well No. 3	4	75	Groundwater	Active	Agricultural

## Conditions

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to sections 373.136 or 373.243, F.S., unless a permit modification has been obtained. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.
2. This permit does not convey to the permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.
3. The permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and / or related facilities from which the permitted water use is made. Where the permittee's control of the land subject to the permit was demonstrated through a lease, the permittee must either submit documentation showing that it continues to have legal control or transfer control of the permitted system / project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of rule 40B-2.351, F.A.C. Alternatively, the permittee may surrender the water use permit to the District, thereby relinquishing the right to conduct any activities under the permit.
4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to chapter 373, F.S. In the event of a declared water shortage, the permittee must adhere to the water shortage restrictions, as specified by the District. The permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order.

5. With advance notice to the permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The permittee shall either accompany District staff onto the property or make provision for access onto the property.
6. A permittee may seek modification of any term of an unexpired permit. The permittee is advised that section 373.239, F.S. and rule 40B-2.331, F.A.C., are applicable to permit modifications.
7. This permit shall expire on **11/24/2033**. The permittee must submit the appropriate application form incorporated and the required fee to the District pursuant to rule 40B-2.361, F.A.C., up to one year prior to this expiration date in order to continue the use of water.
8. Use classification is **Agricultural**.
9. Source classification is **Groundwater**.
10. The permitted water withdrawal facilities consist of the stations in the Withdrawal Point Information table(s).
11. The permittee must mitigate interference with existing legal uses caused in whole or in part by the permittee's withdrawals, consistent with a District-approved mitigation plan. As necessary to offset such interference, mitigation may include, but is not limited to, reducing pumpage, replacing the existing legal user's withdrawal equipment, relocating wells, changing withdrawal source, supplying water to existing legal user, or other means needed to mitigate the impacts.
12. The permittee must mitigate harm to existing off-site land uses caused by the permittee's withdrawals. When harm occurs, or is imminent, the permittee must modify withdrawal rates or mitigate the harm.
13. The permittee must mitigate harm to the natural resources caused by the permittee's withdrawals. When harm occurs or is imminent, the permittee must modify withdrawal rates or mitigate the harm.
14. If any condition of the permit is violated, the permittee shall be subject to enforcement action pursuant to chapter 373, F.S.

15. The permittee must notify the District in writing prior to implementing any changes in the water use that may alter the permit allocations. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, water treatment method, or entry into one or more large water use agreements. In the event a proposed change will alter the allocation, permittee must first obtain a permit modification.
16. All correspondence sent to the District regarding this permit must include the permit number **(2-121-216485-4)**.
17. The District reserves the right to open this permit, following notice to the permittee, to include a permit condition prohibiting withdrawals for resource protection.
18. The permittee shall implement automated monitoring of groundwater withdrawals, at permittee's expense, upon commencement of withdrawals. The monitoring and reporting shall include reporting daily volume pumped by each well of inside diameter eight inches or greater at land surface and shall be delivered by 12:00 pm local time the following day via approved telemetry consistent with District data formats. The permittee may opt for a standardized SRWMD automated monitoring system to fulfill this requirement.
19. The permittee shall implement and/or maintain the conservation practices selected in the Water Conservation Plan submitted to the District. Any new practices selected shall be implemented within one year from the date of permit issuance. Practices that involve scheduling methods or maintenance shall be documented. Documentation for implementation and/or maintenance shall be maintained on all practices and available upon request.
20. The permittee shall cap all inactive wells in a watertight manner until placed into use.
21. The permittee shall ensure that the irrigation systems will water target areas only under field operations. Irrigation of non-target areas (roads, woods, structures, etc.) is prohibited.
22. The permittee agrees to participate in a Mobile Irrigation Lab (MIL) program and allow access to the Project Site for the purpose of conducting a MIL evaluation at least once every five years.
23. The permittee's water use shall be consistent with the MFL prevention or recovery strategy developed for any water body from which this permitted water use directly or indirectly withdraws or diverts water, pursuant to subsection 40B-2.301(2)(h), F.A.C.

24. Following the effective date of the re-evaluated Minimum Flows and Levels adopted pursuant to subsection 62-42.300(1)(e), F.A.C., this permit is subject to modification during the term of the permit, upon reasonable notice by the District to the permittee, to achieve compliance with any approved MFL recovery or prevention strategy for the Lower Santa Fe River, Ichetucknee River, and Associated Priority Springs. Nothing herein shall be construed to alter the District's authority to modify a permit under circumstances not addressed in this condition.
25. The permittee shall install and maintain no less than one backflow prevention device when fertigating and no less than two backflow prevention devices when chemigating on all wells or surface water pumps connected to the irrigation system. The backflow prevention device(s) shall be installed between the water source and the injection point.
26. The lowest quality water source, such as dairy wastewater, shall be used in lieu of groundwater for agricultural irrigation at this project when technically, economically, and environmentally feasible.
27. The permittee is authorized to withdraw a maximum of 0.2604 mgd of groundwater for supplemental irrigation of corn/corn/rye or a maximum of 0.1340 mgd of groundwater for supplement irrigation of pasture/rye. Daily allocations are calculated on an average annual basis and the maximum allocation is only authorized in 1-in-10 year drought conditions.
28. The permittee is authorized to withdraw a maximum of 0.0510 mgd for livestock use. Daily allocations are calculated on an average annual basis.



# Double H Dairy Project

2-121-216485-4

October 2018



- Active Withdrawal Points
- Inactive Withdrawal Points
- Irrigation Systems
- Project Area



Note: This map was created by the Suwannee River Water Management District (SRWMD) to be used for planning purposes only. SRWMD shall not be held liable for any injury or damage caused by the use of data distributed as a public records request regardless of their use or application. SRWMD does not guarantee the accuracy, or suitability for any use of these data, and no warranty is expressed or implied. For more information please contact the SRWMD at 386-362-1001.

## MEMORANDUM

TO: Governing Board

FROM: Warren Zwanka, P.G., Division Director, Resource Management

THRU: Steve Minnis, Deputy Executive Director, Business and Community Services

DATE: September 28, 2018

RE: Approval of a Modification of Water Use Permit 2-075-217647-4, with a 0.0596 mgd Decrease in Allocation and a Ten-Year Permit Extension, Authorizing a Maximum 0.4268 mgd of Groundwater for Agricultural Use at the Thomas Harper Farm Project, Levy County

### RECOMMENDATION

**Staff recommends the Governing Board approve Water Use Permit number 2-075-217647-4 with seventeen standard conditions and eight special limiting conditions to Thomas Harper, in Levy County.**

### BACKGROUND

This is a modification of an existing agricultural water use to receive a ten-year permit extension. The project consists of approximately 628 controlled and 315 irrigated acres and is located approximately five miles northeast of Chiefland in Levy County. Groundwater from three wells is used to irrigate corn, millet, rye, or watermelons through center pivots or drip irrigation. Groundwater from seven additional wells is used to provide the livestock watering requirements of approximately 800 head of beef cattle. Supplemental irrigation models were used to determine the 0.4268 mgd 1-in-10-year drought allocation, a 0.0596 mgd decrease from the previous sequence.

All wells 8-inches in diameter or greater (3 of 10) will be monitored though electric consumption or telemetry. There have been no reports of interference or observed harm to water resources associated with previous withdrawals at this project; and there are no lower quality water sources available for use.

Staff has determined the proposed withdrawals are in accordance with Minimum Flows and Minimum Water Levels (MFLs) and MFL recovery strategies pursuant to Chapters 62-42, 40B-8, and Emergency Rule 40BER17-01, Florida Administrative Code (F.A.C.). The application is complete and satisfies the conditions for issuance in Chapter 40B-2, F.A.C.

SW/tm

WATER USE TECHNICAL STAFF REPORT  
26-Sep-2018  
APPLICATION #: 2-075-217647-4

**Owner:** Thomas Harper  
130 NE 130th St  
Trenton, FL 32693-8945  
(352) 214-5250

**Applicant:** Thomas Harper  
130 NE 130th St  
Trenton, FL 32693-8945  
(352) 214-5250

**Agent:** Not Applicable

**Compliance Contact:** Thomas Harper  
130 NE 130th St  
Trenton, FL 32693-8945  
(352) 214-5250

**Project Name:** Thomas Harper Farm  
**County:** Levy

**Located in WRCA:** No

**Objectors:** No

**Authorization Statement:**

The permittee is authorized to withdraw a maximum of 0.4148 mgd of groundwater for supplemental irrigation of corn/ oats, or a maximum of 0.1896 mgd of groundwater for supplemental irrigation of pasture, or a maximum of 0.2756 mgd of groundwater for supplemental irrigation of millet and melons/ oats. The permittee is also authorized to withdraw a maximum of 0.0120 mgd of groundwater for livestock watering.

**Recommendation:** Approval

**Reviewers:** Stefani Weeks; Matthew Cantrell; Warren Zwanka

**WATER USE SUMMARY:**

<b>Allocation Summary</b>		
<b>Average Daily Rate (Million Gallons Per Day)</b>	<b>Freeze Protection (Million Gallons Per Year)</b>	<b>Allocation Change (Million Gallons Per Day)</b>
0.4268	0.0000	-0.0596

**Recommended Permit Duration and Compliance Reporting:** 10-year permit extension; to expire October 14, 2037.

**USE STATUS:** This is a modification of an existing agricultural use to receive a 10-year extension for voluntary implementation of monitoring groundwater withdrawals and to receive cost-share funding for precision agricultural technology.

**PROJECT DESCRIPTION:**

This project is located on CR-320, three miles west of SR-339 and five miles northeast of Chiefland in Levy county; and consists of 628 controlled and 315 irrigated acres. Groundwater from three irrigation wells will be used to irrigate corn, millet, pasture, and rye through three towable pivots and a traveling gun irrigation system. Watermelons will be irrigated through drip irrigation. Groundwater from two additional wells will be used to provide the livestock watering requirements of approximately 800 head of beef cattle.

The permittee has elected to provide SRWMD electrical consumption and telemetry to comply with the water use reporting requirements of special condition 18.

**WATER USE CALCULATIONS:**

The livestock watering requirements were calculated based on the industry standard 15 gallons per cow per day for the cattle populations provided.

The District's WUPAR model was used to determine the 15.61 inches/ year supplemental irrigation requirement for corn. The GIS-Based Water Resources and Agricultural Permitting and Planning System was used to determine the following supplemental irrigation requirements:

- Melons grown from March 1 to July 15: 8.99 inches/ year
- Pasture as a perennial: 8.09 inches/ year
- Millet grown from May 1 to September 15: 5.35 inches/ year
- Millet grown from October 1 to April 15: 4.54 inches/ year
- Rye grown from November 1 to February 28: 2.09 inches/ year

**PERMIT APPLICATION REVIEW:**

Section 373.223, Florida Statutes (F.S.), and Section 40B-2.301, Florida Administrative Code (F.A.C.), require an applicant to establish that the proposed use of water:

- (a) is a reasonable-beneficial use;
- (b) will not interfere with any presently existing legal use of water; and
- (c) is consistent with the public interest.

In addition, the above requirements are detailed further in the District's Water Use Permitting Applicant's Handbook ("A.H."). District staff has reviewed the water use permit application pursuant to the above-described requirements and have determined that the application meets the conditions for issuance of this permit. Highlights of the staff review are provided below.

**Is this a reasonable–beneficial use?**

**[ref. 40B-2.301(1)(a)]**

Yes. Based on the evaluation of criteria listed in 40B-2.301(2)(a)-40B-2.301(2)(k), F.A.C.

**Will this use interfere with any presently existing legal use of water?**

**[ref. 40B-2.301(1)(b)]**

No. Project withdrawals were modeled and showed a simulated Upper Floridan aquifer drawdown of less than 0.7 foot at the project boundary. Additionally, no reports of interference from previous groundwater withdrawals have been received by the district. Therefore, continued groundwater withdrawals at this project are not expected to interfere with any presently existing legal uses of water.

**Will this use be consistent with the public interest?**

**[ref. 40B-2.301(1)(c)]**

Yes. The use of water for agricultural purposes is consistent with the public interest.

**Will this use be in such a quantity that is necessary for economic and efficient use?**

**[ref. 40B-2.301(2)(a)]**

Yes. Water use consistent with the aforementioned supplemental irrigation models and industry standards is economic and efficient. The permittee will implement the following water conservation measures for the agricultural uses: checking daily for irrigation leaks and repairing them as needed, using new or retrofitted pivot irrigation systems and efficiency testing those systems every five years to maintain an 80% distribution uniformity, ensuring end gun shutoffs are working properly and only watering target crops, installing new drip tape each year and efficiency testing the drip tape to maintain a 90% distribution uniformity, burying irrigation pipe to prevent damage, using UF-IFAS and NRCS-approved irrigation scheduling methods as well as soil moisture probes, employing operational pump shutdown to prevent pump operation in the event of an irrigation system malfunction, planting cover crops in the winter, and irrigating at night and when the wind is less than 5 mph when feasible.

**Will the source of the water be suitable for the consumptive use?**

**[ref. 40B-2.301(2)(c)]**

Yes. Staff determined the Upper Floridan aquifer is suitable for the consumptive use.

**Will the source of the water be capable of producing the requested amount?  
[ref. 40B-2.301(2)(d)]**

Yes. Staff determined the Upper Floridan aquifer is capable of producing the requested amounts.

**Except when the use is for human food preparation and direct human consumption, is the lowest quality water source that is suitable for the purpose and is technically, environmentally, and economically feasible being utilized?  
[ref. 40B-2.301(2)(e)]**

Yes. The lowest quality water sources that are suitable for the purpose and that are technically, environmentally, and economically feasible are being utilized.

**Will the use harm existing offsite land uses as a result of hydrologic alterations?  
[ref. 40B-2.301(2)(f)]**

No. The use is not expected to harm offsite land uses.

**Will the use cause harm to the water resources of the area that include water quality impacts to the water source resulting from the withdrawal or diversion, water quality impacts from dewatering discharge to receiving waters, saline water intrusion or harmful upconing, hydrologic alterations to natural systems, including wetlands or other surface waters, or other harmful hydrologic alterations to the water resources of the area?  
[ref. 40B-2.301(2)(g)]**

No. Project withdrawals were modeled and showed a simulated Upper Floridan aquifer drawdown of less than 0.7 foot at the project boundary and there are no wetlands on or proximate to the project, therefore, continued water use is not expected to cause any harm to natural systems or the water resources of the area for the duration of the permit.

**Is the use in accordance with any minimum flow or level and implementation strategy established pursuant to Sections 373.042 and 373.0421, F.S.?  
[ref. 40B-2.301(2)(h)]**

Yes. The proposed withdrawals are in accordance with MFLs and MFL recovery strategies pursuant to Chapters 62-42 and 40B-8, F.A.C.; and Emergency Rule 40BER17-01. Additionally, cumulative reductions in flow from the allocation were evaluated at the Outstanding Florida Springs (OFS) contained in the Emergency Rule and show no measurable changes in flow from the proposed withdrawal. No OFS has an estimated cumulative flow decline of 9.9%.

**Will the project use water reserved pursuant to subsection 373.223(4), F.S.? [ref. 40B-2.301(2)(i)]**

No. The project will not use water reserved by the Governing Board pursuant to subsection 373.223(4), F.S.

**WITHDRAWAL POINT INFORMATION:**

**Site Name:** Thomas Harper Farm

<b>Wells Detail</b>						
<b>District ID</b>	<b>Station Name</b>	<b>Casing Diameter (inches)</b>	<b>Capacity (GPM)</b>	<b>Source Name</b>	<b>Status</b>	<b>Use Type</b>
118699	Cattle Well #1	4	20	FAS - Upper Floridan Aquifer	Active	Agricultural
119193	Well No. 3	12	1000	FAS - Upper Floridan Aquifer	Active	Agricultural
119576	Well No. 1	8	888	FAS - Upper Floridan Aquifer	Active	Agricultural
121294	Cattle Well #2	4	20	FAS - Upper Floridan Aquifer	Active	Agricultural
133339	Well No. 5	10	--	FAS - Upper Floridan Aquifer	Proposed	Agricultural
134813	Cattle Well #3	4	20	FAS - Upper Floridan Aquifer	Active	Agricultural
134814	Cattle Well #4	4	20	FAS - Upper Floridan Aquifer	Active	Agricultural
134815	Cattle Well #5	4	20	FAS - Upper Floridan Aquifer	Active	Agricultural
134816	Cattle Well #6	4	20	FAS - Upper Floridan Aquifer	Active	Agricultural
134817	Cattle Well #7	4	20	FAS - Upper Floridan Aquifer	Active	Agricultural

## Conditions

1. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to sections 373.136 or 373.243, F.S., unless a permit modification has been obtained. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.
2. This permit does not convey to the permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.
3. The permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and / or related facilities from which the permitted water use is made. Where the permittee's control of the land subject to the permit was demonstrated through a lease, the permittee must either submit documentation showing that it continues to have legal control or transfer control of the permitted system / project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of section 40B-2.351, F.A.C. Alternatively, the permittee may surrender the water use permit to the District, thereby relinquishing the right to conduct any activities under the permit.
4. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to chapter 373, F.S. In the event of a declared water shortage, the permittee must adhere to the water shortage restrictions, as specified by the District. The permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order.
5. With advance notice to the permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The permittee shall either accompany District staff onto the property or make provision for access onto the property.
6. A permittee may seek modification of any term of an unexpired permit. The permittee is advised that section 373.239, F.S., and section 40B-2.331, F.A.C., are applicable to permit modifications.

7. This permit shall expire on **10/14/2037**. The permittee must submit the appropriate application form incorporated and the required fee to the District pursuant to section 40B-2.361, F.A.C., up to one year prior to this expiration date in order to continue the use of water.
8. Use classification is **Agricultural**.
9. Source classification is **Groundwater**.
10. The permitted water withdrawal facilities consist of the stations in the Withdrawal Point Information table(s).
11. The permittee must mitigate interference with existing legal uses caused in whole or in part by the permittee's withdrawals, consistent with a District-approved mitigation plan. As necessary to offset such interference, mitigation may include, but is not limited to, reducing pumpage, replacing the existing legal user's withdrawal equipment, relocating wells, changing withdrawal source, supplying water to existing legal user, or other means needed to mitigate the impacts.
12. The permittee must mitigate harm to existing off-site land uses caused by the permittee's withdrawals. When harm occurs, or is imminent, the permittee must modify withdrawal rates or mitigate the harm.
13. The permittee must mitigate harm to the natural resources caused by the permittee's withdrawals. When harm occurs or is imminent, the permittee must modify withdrawal rates or mitigate the harm.
14. If any condition of the permit is violated, the permittee shall be subject to enforcement action pursuant to chapter 373, F.S.
15. The permittee must notify the District in writing prior to implementing any changes in the water use that may alter the permit allocations. Such changes include, but are not limited to, change in irrigated acreage, crop type, irrigation system, water treatment method, or entry into one or more large water use agreements. In the event a proposed change will alter the allocation, permittee must first obtain a permit modification.
16. All correspondence sent to the District regarding this permit must include the permit number (**2-075-217647-4**).
17. The District reserves the right to open this permit, following notice to the permittee, to include a permit condition prohibiting withdrawals for resource protection.

18. The permittee shall implement automated monitoring of groundwater withdrawals, at permittee's expense, upon commencement of withdrawals. The monitoring and reporting shall include reporting daily volume pumped by each well of inside diameter eight inches or greater at land surface and shall be delivered by 12:00 pm local time the following day via approved telemetry consistent with District data formats. The permittee may opt for a standardized SRWMD automated monitoring system to fulfill this requirement.
19. The permittee shall implement and/or maintain the conservation practices selected in the Water Conservation Plan submitted to the District. Any new practices selected shall be implemented within one year from the date of permit issuance. Practices that involve scheduling methods or maintenance shall be documented. Documentation for implementation and/or maintenance shall be maintained on all practices and available upon request.
20. The permittee shall ensure that the irrigation systems will water target areas only under field operations. Irrigation of non-target areas (roads, woods, structures, etc.) is prohibited.
21. The permittee's water use shall be consistent with the MFL prevention or recovery strategy developed for any water body from which this permitted water use directly or indirectly withdraws or diverts water, pursuant to subsection 40B-2.301(2)(h), F.A.C.
22. Following the effective date of the re-evaluated Minimum Flows and Levels adopted pursuant to Rule 62-42.300(1)(e), F.A.C., this permit is subject to modification during the term of the permit, upon reasonable notice by the District to the permittee, to achieve compliance with any approved MFL recovery or prevention strategy for the Lower Santa Fe River, Ichetucknee River, and Associated Priority Springs. Nothing herein shall be construed to alter the District's authority to modify a permit under circumstances not addressed in this condition.
23. The permittee shall install and maintain no less than one backflow prevention device when fertigating and no less than two backflow prevention devices when chemigating on all wells or surface water pumps connected to the irrigation system. The backflow prevention device(s) shall be installed between the water source and the injection point.
24. The permittee is authorized to withdraw a maximum of 0.4148 mgd of groundwater for supplemental irrigation of corn/ oats, or a maximum of 0.1896 mgd of groundwater for supplemental irrigation of pasture, or a maximum of 0.2756 mgd of groundwater for supplemental irrigation of millet and melons/ oats. Daily allocations are calculated on an average annual basis and the maximum allocation is only authorized in 1-in-10 year drought conditions.

25. The permittee is authorized to withdraw a maximum of 0.0120 mgd of groundwater for livestock watering. Daily allocations are calculated on an average annual basis.



MEMORANDUM

TO: Governing Board

FROM: Warren Zwanka, Division Director, Resource Management

DATE: September 28, 2018

RE: Authorization to Enter into Contract with the Federal Emergency Management Agency to Administer Risk MAP for Fiscal Year 2018

RECOMMENDATION

**Staff recommends the Governing Board authorize the Executive Director, to enter into contract with FEMA to receive an estimated \$1,718,594 to implement FEMA's FY2018 Risk MAP Program in the Waccasassa, Upper and Lower Suwannee and Santa Fe basins.**

BACKGROUND

The Suwannee River Water Management District (District) has been a Cooperating Technical Partner implementing FEMA's Map Modernization and Risk Mapping, Assessment and Planning (Risk MAP) programs for over 10 years. Our five year business plan identifies the District's vision and level of participation for supporting these programs. FEMA's Risk MAP program is an ongoing program in the District's river basins.

To implement this plan, District staff has developed a Mapping Activity Statement (MAS) for Federal FY2018 (our FY 2019) that details a step-by-step process to enhance the regulatory flood maps and provide Risk MAP products for the stated basins. The District expects the proposed MAS for Federal FY2018 to be approved and monies allocated by FEMA within the next couple of weeks. When received, award documents must be executed as quickly as possible. With the addition of the FY2018 allocation, the District will have 10 active contracts totaling \$10,680,884. All information created or provided to the proposed activities by the District, such as computer models, are used as the local match.

LM/tm

# Suwannee River Water Management District



## FEMA Risk MAP Program Multi-year Mapping Plan Update

**FY19-FY23**

**Last Revised September 27, 2018**

**Prepared By:**

**ATKINS**

Member of the SNC-Lavalin Group

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## Executive Summary

The Federal Emergency Management Agency's (FEMA) flood hazard maps are one of the essential tools for flood mitigation in the United States. Unfortunately, many of these maps have become outdated, especially in high growth and development areas including Florida. FEMA has established a broad goal of modernizing flood hazard maps nationwide. In addition, FEMA has engaged in providing communities with flood information and tools they can use to enhance their mitigation plans and take action to better protect their citizens through the Risk Mapping, Assessment, and Planning (Risk MAP) program.

As part of a Cooperating Technical Partner (CTP) Agreement with FEMA, the Suwannee River Water Management District (SRWMD) has accepted delegation and responsibility for the Risk MAP program for areas it governs within North Florida. There are fifteen counties, including Bradford, Columbia, Dixie, Gilchrist, Hamilton, Jefferson, Lafayette, Levy, Madison, Suwannee, Taylor, Alachua, Union, Baker and Putnam, that are partially or completely within the District's boundaries. Prior to accepting the delegation for the Risk MAP program, SRWMD had accepted delegation and responsibility for the Map Modernization program for all of the area it governs.

As part of the Risk MAP program, FEMA requested that all partners participating, including the SRWMD, update the Multi-year Mapping Plan (formerly Business Plan), detailing their approach to implementing the initiative and how the activities will contribute to FEMA's Risk MAP goals and objectives. This FY19-FY23 Plan update provides SRWMD program highlights and funding requests for FY19 and beyond.

The SRWMD vision for the Map Modernization initiative was to develop a District-wide program that provides more accurate and complete flood hazard information for counties and communities within the District. At the end of the Map Modernization process, counties within the SRWMD had updated Digital Flood Insurance Rate Maps (DFIRMs) that incorporated selected new detailed studies, approximate studies and/or updated base mapping converted to digital format. During RiskMAP the District has been coordinating between FEMA and the communities to identify areas of greatest concern for updates to the models and flood risk maps. As of FY18 all the watersheds of the District have received this initial pass to identify areas of greatest concern, and have received funding to address them. These studies have been completed or are underway. Beginning in FY18 the District is continuing the RiskMAP goal of a cyclic approach, where watersheds are revisited after the initial round of map updates, in order to address new areas of concern, changes in the watershed, or review and update older models that were not addressed in the first round identification of areas of greatest concern. With the digital FIRMs and the District's ongoing emphasis on protection and acquisition of flood prone areas, the flood protection goals and the non-structural floodplain management strategy of the SRWMD are being achieved.

The SRWMD vision for the Risk MAP initiative has been to address data gaps in flood hazard data, improve flood risk delineation where new LiDAR is available, increase public awareness, lead engagement in mitigation planning, provide an enhanced digital platform for risk information, and align risk analysis programs while improving the quality of Risk MAP products. By conducting Discovery in each of the District watersheds on a six-to-seven-year cycle, and performing the resulting studies, resiliency outreach, panel revisions, and distribution of improved

data; SRWMD will both serve its mission and help FEMA meet its RiskMAP objectives. SRWMD plans to revisit Discovery in each watershed on a cyclic basis, with priorities determined by monitoring growth and the needs in the watersheds during the ongoing outreach that is part of SRWMD's mission.

Under the previous Map Modernization initiative, the SRWMD completed managing FY04 MAS projects (Dixie, Gilchrist and Lafayette Counties), FY05 MAS projects (Suwannee and Columbia Counties), FY06 MAS projects (Taylor and Union Counties), and FY07 MAS projects (Hamilton, Levy and Madison Counties) and the FY08 MAS project (Bradford County).

Under RiskMAP the SRWMD has completed the following CTP projects: FY09 MAS projects (Dixie, Gilchrist and Lafayette Counties) in transition to RiskMAP, and the FY10 MAS Risk MAP project (Lower Suwannee Watershed). The FY11 MAS Risk MAP projects (Santa Fe Watershed, Upper Suwannee Watershed; the FY12 MAS consisting of Discovery for the Waccasassa Watershed and riverine studies in the Econfina-Steinhatchee Watershed have been completed through Letters of Final Determination and are pending release of Effective Map updates for the panels that covered areas of greatest concern. Also funded under FY12 was integrating the Econfina-Steinhatchee riverine studies with Big Bend coastal modeling for a combined map release. The Big Bend coastal modeling was conducted by FEMA's Professional Services contractors. The currently managed FY13 MAS includes selected RiskMAP studies in the Withlacoochee Watershed, as well as completion of Discovery in the adjacent Alapaha watershed. The Withlacoochee is a split study, with funding for panel revisions and post-preliminary processing approved under the FY14 and FY15 MAS. The status of these projects is shown in Figure 3-1 of Chapter 3.

The District will facilitate the implementation of FEMA's Risk MAP Program through direct management and support of all-regulatory, engineering, and mapping activities within the District's area. The SRWMD is committed to developing a fully integrated program that incorporates:

- Discovery
- engineering and mapping (watershed level updates)
- internal QA/QC
- community outreach
- outreach via websites and training
- mitigation planning support in collaboration with Florida Department of Emergency Management

The results of these efforts are an ongoing program that allows for delivery of quality data that increases public awareness and leads to action that reduces risk to life and property. This will continue to be accomplished primarily through the use of FEMA grants to hire qualified contractors retained and overseen by the District.

For its management plan to be effectively implemented, the District will need the full support and involvement of all user communities, including local governments. To ensure the full engagement of its partners, the District will commit significant resources to manage stakeholder expectations

through up front coordination, outreach, and customer service. Based upon our preliminary assessment, we anticipate that our current IT system will require ongoing upgrades to maintain and deliver the product, and that the resources required to maintain the IT system either currently exist within the District or will be made available as needed during program development and implementation.

## Chapter 1 INTRODUCTION

### 1.1 Background

This Cooperating Technical Partner (CTP) Business Plan describes SRWMD CTP planning through the end of FY23 (September 30, 2023).

The Federal Emergency Management Agency's (FEMA) flood hazard maps are one of the essential tools for flood mitigation in the United States. Unfortunately, many of these maps have become outdated, especially in high growth and development areas including Florida. FEMA has established a broad goal of modernizing flood hazard maps nationwide. In addition, FEMA has engaged in providing communities with flood information and tools they can use to enhance their mitigation plans and take action to better protect their citizens through the Risk Mapping, Assessment, and Planning (Risk MAP) program. To achieve this goal, FEMA has acknowledged that collaborative partnerships with state, regional and local/organizations will be necessary.

As part of a Cooperating Technical Partner (CTP) Agreement with FEMA the Suwannee River Water Management District (SRWMD) has accepted delegation and responsibility for the Risk MAP program for areas it governs within North Florida. There are fifteen counties, including Bradford, Columbia, Dixie, Gilchrist, Hamilton, Jefferson, Lafayette, Levy, Madison, Suwannee, Taylor, Alachua, Union, Baker and Putnam, that are partially or completely within the District's boundaries. Prior to accepting the delegation for the Risk MAP program, SRWMD had accepted delegation and responsibility for the Map Modernization program for all of the area it governs. At this time, the small portion of Putnam County within the SRWMD has not been included in the updates.

**The SRWMD transitioned from Map Modernization to the Risk Map initiative beginning with FY10 Mapping Activities. The SRWMD vision for the Risk MAP initiative is to address data gaps in flood hazard data, improve flood risk delineation as new LiDAR becomes available, increase public awareness, lead engagement in mitigation planning, provide an enhanced digital platform for risk information, and align risk analysis programs while improving the quality of Risk MAP products. The District plans to have completed Discovery and any resulting studies (not including post-preliminary mapping) in all 9 (nine) of the FEMA HUC-8 Watersheds within the District by the end of calendar year (CY) 19; the District is continuing the RiskMAP cycle by returning to watersheds that have already completed their first round of RiskMAP updates to identify any new community needs or data needs that have been revealed during subsequent mitigation actions, new growth, and/or flooding experience. Therefore, the Multi-year Project Plan for FY19 through FY23 is based on first addressing the central watersheds of the Suwannee and Santa Fe rivers, which were the first studies initiated under RiskMAP in FY10 and FY11; then continuing this cycle as indicated in FY19-FY23. As new patterns of growth emerge, it is possible that one watershed may be swapped with another in future plans; but all watersheds will be revisited in the second cycle, and a third cycle is anticipated, addressing flood**

**map updates based on mitigation actions recommended under cycle one, and implemented over the next five years.**

A brief history of the SRWMD Cooperating Technical Partnership with FEMA could begin with completion of FY04 Mapping Activities Statement (MAS) projects (Dixie, Gilchrist and Lafayette Counties- total amount \$904,000- leverage amount \$180,800\*), FY05 MAS projects (Suwannee County – total amount \$560,000; Columbia Counties - total amount \$500,000- leverage amount \$212,000), FY06 MAS projects (Taylor and Union Counties – total amount \$1,000,000- leverage amount \$200,000), and FY07 MAS projects (Hamilton, Levy and Madison Counties – total amount \$1,025,000). The SRWMD also completed management of the FY08 MAS project (Bradford County - total amount \$300,000), and the FY09 MAS for updating panels in Suwannee County in the vicinity of Live Oak. These map updates and conversion of paper maps to digital were accomplished under the FEMA Map Modernization Program, which ended in FY09 with the transition to RiskMAP in FY10.

The District managed integration of 3 other FY09 Map Modernization projects in Dixie, Gilchrist and Lafayette Counties -- (total \$810,000 – leverage amount \$20,000) into the FY10 Risk MAP project for the Lower Suwannee Watershed (HUC8- 03110205) which included detailed studies and redelineation in portions of Dixie, Gilchrist, Lafayette, and Levy Counties (total funded amount \$1,354,000 – leverage amount \$129,000\*). The Lower Suwannee RiskMAP study completed the Physical Map Revisions for these counties and the new panels are effective.

The District managed implementation of the FY11 FEMA Mapping Activities Statement (MAS) with detailed studies in the Santa Fe Watershed (HUC8 03110206) which includes portions of Union, Bradford, Columbia, Gilchrist, and Suwannee Counties (total amount \$1,022,920 – leverage amount \$347,920), as well as detailed studies for the Upper Suwannee Watershed (HUC8 03110201) which includes portions of Suwannee, Columbia, and Hamilton Counties (total amount \$1,043,799 – leverage amount \$246,467). The Upper Suwannee and Santa Fe watershed studies have also been completed and the updated panels will all be effective as of November 2018.

The FY12 MAS, consisting of Discovery for the Waccasassa Watershed (\$68,000) and riverine studies in the Econfina-Steinhatchee Watershed (03110102) (\$917,780; leverage amount \$285,780). Also funded under FY12 was integrating the Econfina-Steinhatchee riverine studies with Big Bend coastal modeling for a combined Preliminary map release and Post Preliminary Processing (\$420,000; leverage amount: \$0). The Big Bend coastal modeling was conducted by FEMA's Professional Services contractors -- the models and resulting coastal flood risk mapping include coastal portions of Econfina-Steinhatchee Watershed, Lower Suwannee Watershed and Waccasassa Watershed.

\*RiskMAP leverage amounts are based on SRWMD contributions of Orthophotos, LiDAR, GIS data, and staff time to the RiskMAP projects.

The resulting preliminary maps under the FY12 MAS merged coastal and riverine panel revisions in Econfina-Steinhatchee watershed with coastal panel revisions spanning Econfina-Steinhatchee, Lower Suwannee and Waccasassa watersheds. (Note the coastal panels in the Waccasassa watershed are distinct from the riverine studies recommended under the FY12 Waccasassa Discovery grant. Waccasassa riverine studies were funded under the FY14 grant, see below). The combined panel revisions in the Econfina-Steinhatchee watershed include portions of Taylor, Dixie, Levy, Gilchrist and Levy County, and went effective in FY18.

Managed under the FY13 MAS is the Withlacoochee Watershed (03110203), which includes portions of Madison and Hamilton Counties (total amount \$430,000 – leverage amount \$130,000); and funding for Discovery in the Alapaha watershed. The Withlacoochee is a split study, with funding for preliminary panels and post-preliminary processing approved under the FY14 MAS (\$175,000 – leverage amount \$75,000); and, additional modeling on the Withlacoochee River funded under FY15 (\$65,000). A recent study undertaken by SRWMD for minimum flows and levels in the Withlacoochee provided leverage allowing the FY15 Withlacoochee funds to be reallocated under a Special Problem Report (and MAS amendment) for conversion of this leverage study into RiskMAP, and the excess funds to help cover additional costs associated with the inclusion of FY09 Map Mod counties in the FY10 Lower Suwannee RiskMAP release.

The FY14 MAS also funded the Waccasassa watershed studies (\$350,000 -- leverage LiDAR, Aerials, existing models \$152,000). Waccasassa studies are in progress and will go preliminary in FY19. Additional funding of \$45,000 to cover 19 additional panels impacted by the Waccasassa river modeling was approved under the FY18 grant.

The FY15 MAS also funded Discovery in the Aucilla Watershed (\$85,500; leverage \$4,500); additional panel updates in the Econfina-Steinhatchee watershed based on increased extent of coastal risk mapping (\$60,000); and the additional modeling on the Withlacoochee River (\$65,000) referenced above.

The FY16 MAS represents a milestone in the RiskMAP program. With the FY16 grant SRWMD completes its goal for reviewing and updating flood risk studies in all the watersheds of the District. The final two watersheds to be studied under the FY16 grant are the Alapaha and Aucilla watersheds these studies have been initiated and are expected to be ready for Preliminary Mapping in by the end of 2019. In addition, the District is leveraging the completion of these studies under RiskMAP and expanding its well-received flood risk reporting website to encompass many of the new RiskMAP digital products designed to improve community understanding of flood risk. As well, when the studies are completed in the Upper and Lower Suwannee River watersheds FEMA is funding SRWMD to revisit these two watersheds and identify any new community needs that have been identified due to growth; or flooding experienced in the last five years; or uncovered by the studies that are being completed. Any such needs will be covered by the FY17 and FY18 funded studies of these two watersheds (Chapter 3, this document). *(Note – the Upper and Lower Suwannee River Watersheds in this context are referring to two HUC*

*basins spanning the entire Suwannee River in Florida--not to be confused with the SRWMD designations of upper, middle and lower Suwannee River areas of responsibility).*

FEMA requested that all partners participating, including the SRWMD, update the Multi-year Project Plan (Business Plan) detailing their approach to implementing the initiative and how the activities will contribute to FEMA's Risk MAP goals and objectives. This Plan update provides SRWMD program highlights and funding requests through FY23. The broad objectives of the Risk MAP program are stated by FEMA as follows:

- Flood Hazard Data. Address gaps in flood hazard data to form a solid foundation for risk assessment, floodplain management, and actuarial soundness of the [National Flood Insurance Program](#) (NFIP).
- Public Awareness/Outreach. Engage communities and ensure that a measurable increase of the public's awareness and understanding of risk results in a measurable reduction of current and future vulnerability.
- Hazard Mitigation Planning. Lead and support States, local, and Tribal communities to effectively engage in risk-based mitigation planning resulting in sustainable actions that reduce or eliminate risks to life and property from natural hazards.
- Enhanced Digital Platform. Provide an enhanced digital platform that improves management of Risk MAP, steward's information produced by Risk MAP, and improves communication and sharing of risk data and related products to all levels of government and the public.
- Alignment and Synergies. Align Risk Analysis programs and develop synergies to enhance decision-making capabilities through effective risk communication and management.

## Chapter 2 VISION FOR SUPPORTING Risk MAP

### 2.1 SRWMD Vision

The Suwannee River Water Management District was created by the Florida Legislature with the passage of the Water Resources Act of 1972, codified in Chapter 373 of the Florida Statutes. The District covers over 7,600 square miles of north central Florida. A listing of the Counties, population and flood insurance policy holders is shown in Table 2-1.

**Table 2-1  
SRWMD Counties Population and Flood Insurance Policies**

County	Population*	# of Policies**
Alachua	266,944	3,169
Baker	28,283	190
Bradford	27,038	514
Columbia	69,612	853
Dixie	16,673	496
Gilchrist	17,743	247
Hamilton	14,184	64
Jefferson	14,144	90
Lafayette	8,451	144
Levy	40,355	1,011
Madison	18,449	97
Suwannee	44,190	576
Taylor	21,833	569
Union	15,517	58

\*Population estimates, July 1, 2017 – Census.gov Quick facts

\*\* From NFIP Policy and Claims Report - Community Information System 9/4/2018

#### 2.1.1 Vision Overview

SRWMD has been a cooperating technical partner with FEMA since 1999. Our vision from the outset is to build relationships with communities and community leaders that promote common understanding of flood risk and water quality risk and promote a common purpose of mitigating flood risk while protecting the waters of the District. We view steady improvement in flood risk forecasting and an equally steady improvement in the means to communicate risk as key. We are seeing improvement in regard to community understanding and trust in our FEMA flood risk maps, as well as acknowledgment of the importance of flood risk insurance and recognition of opportunities to mitigate flood risk at local and regional levels. We currently provide individual flood risk reports to constituents at the parcel level through [srwmdfloodreport.com](http://srwmdfloodreport.com). Over the next four to five years, we look forward to a range of expanded capabilities to help fulfill our missions, including the improvement of digital flood risk modeling and RiskMAP data infrastructure; stronger links from RiskMAP to flood mitigation actions; better 3-dimensional depictions of flooding; GIS integration of recorded flood elevations; and links to help property owners obtain elevation certificates and flood insurance, in complement to the goals and strategies that follow.

### 2.1.2 Flood Protection Goals

The mission of the SRWMD is to implement the provisions of Chapter 373, Water Resources, and chapter 403, Environmental Control, Florida Statutes, to ensure the continued welfare of the residents and natural systems of north central Florida. Two of the major goals of the District are to minimize harm from flooding and to enhance public awareness, understanding and participation in water resource management.

Per Florida Administrative Code 62-40.458, Floodplain Protection, related District objectives are:

- Coordination with local, State and Federal governments;
- Pursue development of adequate floodplain protection information including flood level data;
- Jointly develop programs to acquire, protect and enhance floodplain functions and associated natural systems;
- Minimize incompatible activities; and
- Provide available floodplain delineation information.

The District operates under a nonstructural floodplain management policy adopted in 1979<sup>1</sup>. The policy was adopted to avoid the expense of constructing and maintaining flood control works as well as the environmental damage caused by such works. The nonstructural flood protection strategy is founded on accurate floodplain delineation and has been implemented through the following primary program activities:

- Mapping and modeling the floodplains and regulatory floodways of the five major rivers and tributaries;
- Regulating fill and development activity within designated regulatory floodways and floodplains;
- Acquiring and managing lands for floodwater storage, conveyance, and other conservation objectives;
- Assisting local governments with floodplain management responsibilities such as land use planning, development regulation, restoration activities, and public education and outreach;
- Providing Geographic Information System (GIS) data, technical assistance, and leadership within the region;
- Providing technical and funding assistance to local governments in addressing flooding and stormwater management problems.

The key elements of the nonstructural floodplain management policy have been very successful to date in reducing and eliminating environmental harm and the threat of flood

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<sup>1</sup> The District Water Management Plan describes the nonstructural flood protection policy and the approach used by the District to implement the policy.

damage. These key elements are regulations, land acquisition, GIS development, and public outreach and assistance.

### **2.1.3 District Water Management Regulations for Flood Protection**

District regulations currently prohibit activities that diminish floodwater conveyance in designated Works of the District Rivers using an innovative approach to implementing the authorities granted under Chapter 373, Florida Statutes. Instead of constructing physical works to address flood hazards, the District's program reserves from use that land area necessary to convey the highest velocity flood waters from a 100-year flood event. In addition, District stormwater management regulations require use of the 100-year critical duration storm event as the primary engineering and design criterion for stormwater management facilities.

The second component of the District's non-structural floodplain management strategy is land acquisition and management. The Save Our Rivers, Preservation 2000 and Florida Forever programs have protected over 300,000 acres and 384 miles of river corridor lands, much of it in the 100-year flood plain, protecting the region's river systems, the public, and the public water supply.

### **2.1.4 District and Other Public Conservation Lands**

One of the major objectives of the District is to promote non-structural approaches to achieve flood protection and to protect and restore the natural features and functions of the 100-year floodplain. To that end, the District has undertaken acquisition of floodplain areas for the major rivers and natural storage areas throughout the District. Public ownership in perpetuity of these flood hazard areas assures the ability to retain and attenuate floodwaters, precludes inappropriate development or use of the flood hazard areas, and protects important environmental features of the lands.

The District acquires and manages lands for water management purposes, as authorized and directed by Chapter 373, Part V, Florida Statutes. Since 1983, the acquisition priority has been the voluntary sale of lands within the 100-year floodplain of the Suwannee River and its tributaries, and the floodplains of other rivers in the District. To date, the District has protected over 286,000 acres of land, most of which is floodplains, flood prone, hazardous, and/or environmentally sensitive. Figure 2-1, shows the public conservation lands in the District.

The public, through the District, is the single largest landowner of land along the Suwannee River and its tributaries. Many land tracts of significance has been acquired; current and future land acquisition priorities target in holdings, adjacent lands, and lands that enhance or improve the management of current holdings. Future priorities will target specific areas to mitigate past flood damage and prevent inappropriate use or development of flood hazard areas.

Modernized flood hazard maps that use more detailed and accurate information are essential to the District's continued future success in its land acquisition and management program. The updated and revised maps resulting from this project will allow the District to identify and target the most important flood hazard areas for public ownership and management.

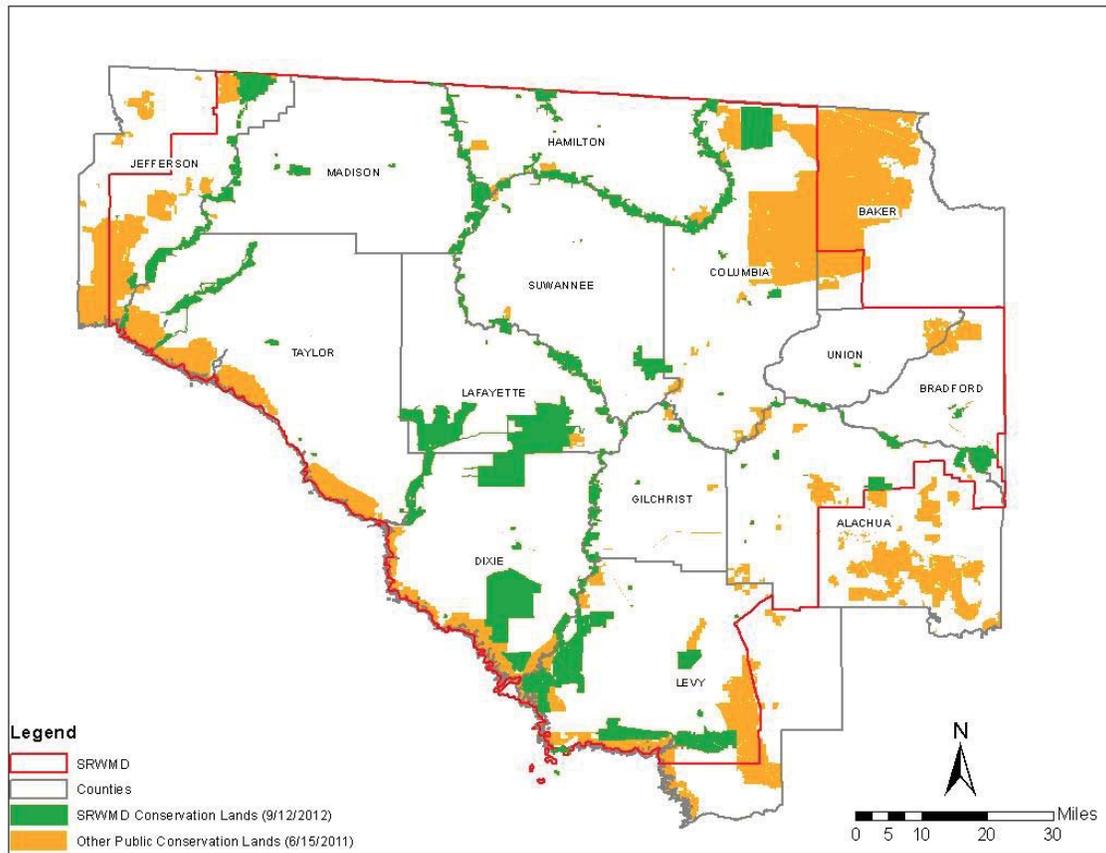


Figure 2-1 SRWMD Public Conservation Lands

### 2.1.5 Geographic Information Systems Development and Public Outreach, and Assistance

Providing maps and other information is a cornerstone of the District's nonstructural flood protection policy. When landowners and local building officials are aware of the location and extent of flood hazard areas, preventive strategies can be more easily implemented. The District has been a regional leader in the development and application of Geographic Information Systems (GIS) since 1983, when the District was selected as a beta test site for ArcInfo, the industry standard GIS developed by Environmental Systems Research Institute, Inc. (ESRI). Since that time the District has developed an extensive geographic data inventory, developed in-house and external capabilities, and provides leadership and assistance to local units of government in the region. Through District efforts, many county property appraisers now have compatible GIS capabilities that will assist in disseminating

flood hazard maps and data at the local level resulting from the map modernization and Risk MAP projects.

Public outreach and assistance is an important component of the nonstructural flood protection policy not just by providing flood maps, but in helping the public gain an understanding of flooding and flood hazards. The District has established a website (<http://www.srwmdfloodreport.com/>) with enhanced flood elevation data for the Suwannee River and its tributaries, Preliminary floodplains; Changes Since Last Firm, and linkage to FEMA. The website enables users to view, query, and analyze flood risk assessment data in an intuitive and user-friendly framework. End-users are able to easily locate any parcel of interest, view the Flood Insurance Study (FIS) and effective Flood Insurance Rate Map (FIRM), and create a Flood Risk Reports that provides the user with flood zone data. All of this assists the user in determining if their property is affected by a flood zone, and descriptions of how to interpret the specific FEMA flood zones. The websites will continue to be updated and populated with information on Risk MAP and flood risk data generated during DFIRM studies produced in the course of the Risk MAP program. This interface is intended to be used by the general public, community officials, and Cooperating Technical Partner staff who may not be familiar with a typical GIS interface.

GIS partnerships with most of the local governments within the District have been established. The GIS partnerships provide local governments with environmental sensitive data such as special flood hazard areas. This outreach tool assists local governments in advising property owners and potential property owners about flood risks and other environmental features associated with a parcel of land.

## **2.2 SRWMD Risk MAP Level of Participation**

The SRWMD vision for the Risk MAP initiative is to address data gaps in flood hazard data, increase public awareness, lead engagement in mitigation planning, provide enhanced digital platform for risk information, and align risk analysis programs while improving the quality of Risk MAP products. These goals are explained in further detail below.

- Goal 1: Address gaps in flood hazard data to form a solid foundation for risk assessment, floodplain management, and actuarial soundness of the National Flood Insurance Program
  - Initiate Risk MAP flood map update projects to address flood hazard data needs in high flood risk areas affected by coastal flooding, levees and other riverine flood hazards
  - Develop flood depth grids based on updated or validated engineering flood studies for use in risk communication outreach products and flood risk assessments
- Goal 2: Ensure that a measurable increase of the public's awareness and understanding of risk results in a measurable reduction of current and future vulnerability to flooding. Overarching outreach strategy will:

- Convey risk in terms of consequences and probability, and conveys the social impacts of flood risk
- Follow the entire Risk MAP life cycle from the continuous update of flood hazard data to the continuous update of a jurisdiction's hazard mitigation plan
- Establish a baseline of local understanding of local risk. Communities can use this baseline to measure progress annually
- Keep the message simple so that the information is easily conveyed to the public
- Goal 3: Lead and support state, local and tribal communities to effectively engage in risk-based mitigation planning resulting in sustainable actions to reduce or eliminate risks to life and property from hazards
  - Assist state, local and tribal entities to develop, adopt and implement FEMA-approved hazard mitigation plans
  - Communicate the benefits of mitigation planning messages in an overarching Risk MAP outreach strategy
  - Promote the integration of mitigation planning into other state, local and tribal planning processes
- Goal 4: Provide an enhanced digital platform that improves management of Risk MAP, stewards the information produced by Risk MAP and improves the communication and sharing of risk data and related products with all levels of government and public
  - Improve tracking of state and local hazard mitigation plans
  - Improve map production tools
  - Find and invest in accurate digital geospatial data to support improved flood hazard and flood risk analysis
  - Provide simplified access to updated flood risk models emerging from the RiskMAP program
- Goal 5: Align Risk Analysis programs and develop synergies to enhance decision making capabilities through effective risk communication and management

It is the objective of the District to be the full service provider for all engineering, mapping, and administrative requirements within the SRWMD boundaries. For its management plan to be effectively implemented, the District will need the full support and involvement of other CTPs and user communities. To ensure the full engagement of its partners, the District will commit a significant amount of resources to manage stakeholder expectations through upfront coordination, outreach, and customer service. In addition, the District will execute Memorandums of Understanding (MOU) with each County and participating community.

Through its three branches, technical management, IT systems, and customer service (see Figure 2-3); the SRWMD will satisfy its five goals outlined above. Furthermore, the SRWMD will continuously assess the effectiveness of its program and make the necessary changes to ensure the highest quality service and deliverables. Details of the District's level of participation follows.

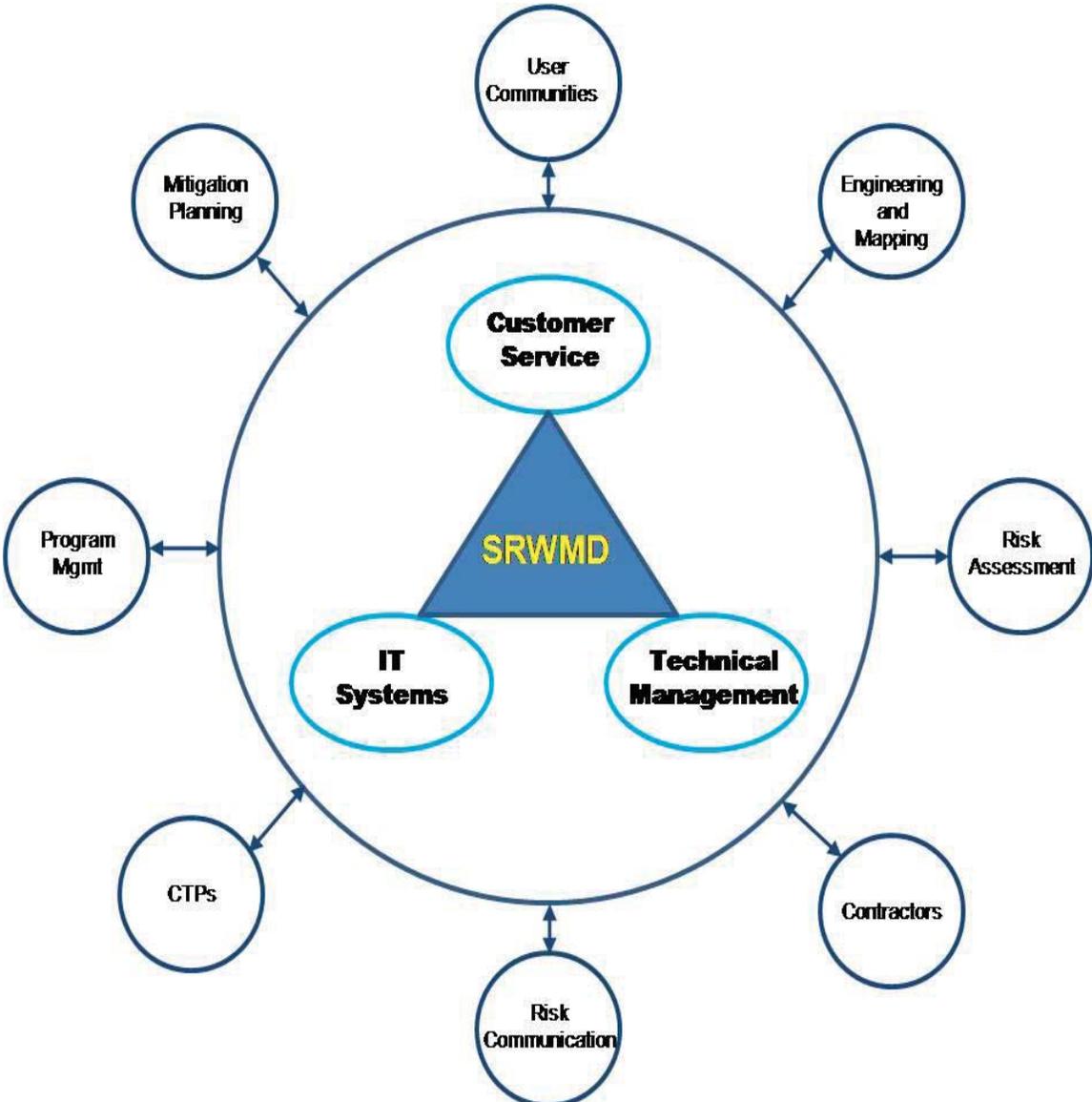


Figure 2-2 SRWMD Comprehensive Management Support of Risk MAP Needs

### **2.2.1 Engineering and Mapping**

The SRWMD will continue to support all activities associated with identifying flood hazards and the technical production of accurate Digital Flood Insurance Rate Maps (DFIRM) and Flood Insurance Studies (FIS). Following the Risk MAP program, the District and its contractor's propose to perform all the activities listed below:

- Discovery activities: field visits, CNMS updates, review mitigation plans, discovery reports and maps, conduct community interviews, coordination and attendance at County and community Discovery meetings, and development of project scope
- Data collection activities: field surveys, topographic data/LiDAR, existing H&H studies and digital basemaps (updated USGS DOQQ);
- Engineering activities: hydraulic, hydrologic, riverine analyses;
- Floodplain delineation activities: detailed, approximate, and re-delineation;
- Public outreach for feedback on initial flood maps and identification of areas that may require additional public outreach and communication for smooth map adoption
- DFIRM Production activities: Preliminary DFIRM, QA/QC, and database development; and
- Flood risk dataset activities: development of changes since last Flood Insurance Rate Map, flood depth and analysis grids, flood risk assessment data, areas of mitigation interest;
- Post Preliminary Processing: Community Meetings and Map Adoption

The District's strategy to implement the engineering and mapping component will utilize the District's existing engineering, mapping, and GIS technical infrastructure along with outsourcing of the majority of the engineering and mapping to contractors. The District has extensive experience in water resource related activities, which provides an ideal staging point for the implementation of the District's mapping and engineering role. The District will also provide ongoing floodplain management coordination with the local communities participating in the NFIP to allow for a more local management of the issues that concern FEMA. As part of its management strategy, the District will manage and coordinate all contractor activity in the SRWMD.

The District will use detailed topography (LiDAR) of the floodplain and coastal areas likely to experience significant development pressures in the coming years at it becomes available. As of FY18, the District has completed LiDAR mapping of all areas and will engage in reviewing the oldest LiDAR mapping for potential update needs.

### **2.2.2 Risk Assessment and Risk Communication**

The SRWMD will assess and communicate risk to ensure that a measurable increase of the public's awareness and understanding of risk results in a measurable reduction of current and future vulnerability to flooding.

Risk assessment data and analyses are defined as processes for analyzing or evaluating the risk associated with a hazard, and using that information to make informed decisions on the appropriate ways to reduce the impacts of the hazard on people and property. As part of the Risk MAP Program, non-regulatory Flood Risk Products shall be developed for study areas based upon the latest guidance available. Flood Risk Products that will be created include Flood Risk Reports and Flood Risk Maps.

Flood Risk Products serve as the delivery mechanisms for the Flood Risk Datasets and information developed within a flood risk study. Typically these Flood Risk Datasets include but are not limited to:

- Changes Since Last FIRM
- Depth & Analysis
- Flood Risk Assessment

Although this program is conceived on a HUC-8 watershed flood hazard and flood risk analysis framework, it is also recognized that there will be occasions where a watershed approach is not appropriate. Examples include site-specific levee analysis, coastal analysis. As a result, Flood Risk Products and Flood Risk Datasets are intended to be scalable to support the variability of project requirements and available funding.

### **2.2.3 Mitigation Planning and Actions**

The SRWMD will assist and support state, local and tribal communities to effectively engage in risk-based mitigation planning resulting in sustainable actions to reduce or eliminate risks to life and property from hazards. FEMA considers mitigation planning to be critical, and mitigation planning technical assistance will be identified starting at Discovery. During initial plan development there are four phases of the planning process:

- Planning Process
- Risk Assessment
- Mitigation Strategy
- Plan Maintenance

Hazard Mitigation Planning technical assistance and training provided through Risk MAP will focus on building a community's capability to plan for and reduce risk. The following steps are to be emphasized:

- Incorporating new flood hazard and risk information;
- Updating and refining mitigation strategies, especially as related to new flood hazard/risk information;
- Training mitigation planning teams; and
- Incorporating mitigation into existing community plans, programs, and policies.

Throughout the RiskMAP cycle, the District will utilize Region IV best practice templates to track and report Actions.

#### **2.2.4 Community Outreach and Mitigation Strategy**

An essential component of the SRWMD Risk MAP program is community outreach and customer service to ensure stakeholder support and public awareness. Outreach begins during the Discovery phase of a watershed-level Risk MAP project and continues through final community meetings. The primary goals of the outreach component are to:

- Engage communities early and often of Risk MAP projects;
- Increase public awareness of risk and education of flood hazards;
- Communicate the benefits of the hazard mitigation planning process;
- Ensure stakeholder support and proper management of expectations;
- Establish two-way communication with stakeholders impacted by the floodplain remapping, as well as the NFIP in general;
- Ensure compliance with due process and other regulatory requirements;
- Minimize the number of technical appeals and protests;
- Ensure public understanding of the benefits of new maps;
- Interact with technical representatives to ensure production of quality maps;
- Enhance ownership and use by communities;
- Ensure that other users know how to use the new maps; and
- Track/monitor/evaluate outreach activities and adjust efforts according to feedback received and evolving project needs.

To accomplish these goals, the SRWMD will provide: an interactive website for the public to view flood risk data and obtain DFIRMs, FIS reports and risk reports; stakeholder notification to each County and community included in the Risk MAP project; public education and information through public meetings; informational brochures/newsletter article; PowerPoint presentations to interested organizations; press releases; flood risk products; and a planned new online video webinar series to provide user guidance on available products approved under FY17 funding.

#### **2.2.5 Independent QA/QC**

The SRWMD will continue to oversee all necessary QA/QC functions for both engineering and mapping products associated with the DFIRM projects in the District. QA/QC activities will be performed either by District personnel or one of the District's contractors. QA/QC reviews will be performed by qualified personnel other than those who performed the work. FEMA guidelines will be followed for all engineering and mapping reviews along with standard engineering QA/QC guidelines. QA/QC activities will be funded by FEMA to the District through the Risk MAP funding grant process.

## 2.3 Program Management

The SRWMD will provide a program management structure that will motivate partners to share responsibilities and align the District's, FEMA's and the local community missions to reduce vulnerability to floods and other hazards and increase public awareness of risk and education of flood hazards. The objective of Program Management activities is to recognize the activities undertaken by CTPs as part of the active process of managing multiple projects for the SRWMD. All process and deliverables shall be completed in accordance to FEMA's Guidelines and Specifications for Flood Hazard Mapping Partners (G&S) and effective Procedure Memoranda (PMs).

Program management for the District's participation in Risk MAP program will be accomplished through the combined use of District staff and the use of contractors. The contractor will implement the following program management action items:

- Define program management goals including those associated with prioritization and execution of program elements;
- Assist in the annual update of the Risk MAP Business Plan;
- Assist in outreach activities (community meetings, media coordination and mailings);
- Coordinate and/or administer training for Communities affected by the proposed DFIRM updates regarding RiskMAP, the Community Rating System, and Flood Insurance
- Continued development of website to provide widespread access to Risk MAP data, improved risk analysis reporting and generation of reports consistent with Risk MAP goals and datasets
- Maintenance of the SharePoint site and calendars
- Identify roles and responsibilities for all entities contributing to the District's mapping efforts;
- Develop and manage data standards, product specifications, and quality of the products to be used by the communities and other end users;
- Manage and track the progress of the DFIRM projects against schedules and budgets;
- Develop monthly status reports for District use and quarterly status reports that are to be supplied to FEMA Region 4;
- Evaluate program performance and recommend improvements;
- Promote partnerships with local communities through meetings and data mining;
- Provide for program management staff time;
- Development of continuous improvement strategies and innovative technical and building practices;
- Manage Risk MAP discovery and prioritization of projects in collaboration with the District;
- Track production of DFIRM products of District study contractors;
- Assist as needed with interpretation and implementation of Risk Map requirements;
- Develop an effective post storm and/or post disaster flood hazard documentation and assessment procedure that will be utilized to continually assess the accuracy of the

Special Flood Hazard Areas (SFHA) on the DFIRMs. This information will be utilized for restudy determination purposes;

- General support activities including those defined in 44CFR, Part 66;
- Risk MAP reviews;
- FEMA mapping coordination (DCA coordination, flood recovery mapping);
- NSP/CTP pre-discovery activities.

### 2.3.1 IT Management System

The IT management systems will be the foundation that the technical management and outreach service components will be built upon. The system is composed of three major modules: the public websites (mentioned in the outreach section), the data management system, and the data repository. Of the three modules, the data repository, accessible through FEMA’s MIP, will be the core component. Figure 2-4, illustrates the relationship among the three modules.

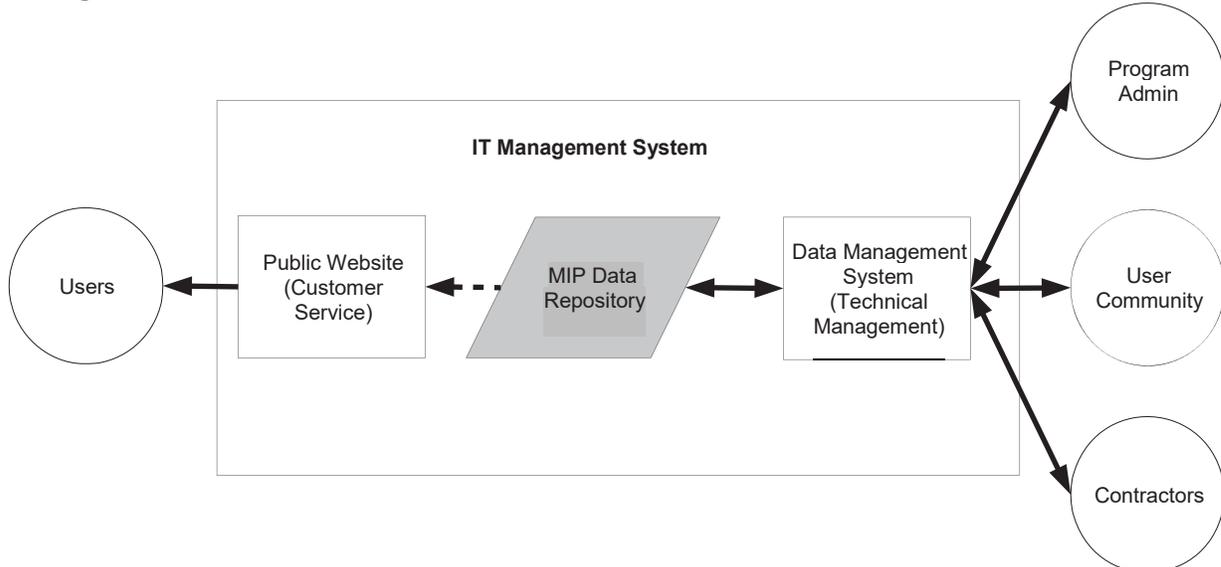


Figure 2-3 The IT Management System

Development of the public websites will continue to be updated for the duration of the Risk MAP program. Of the three modules the public websites have an immediate impact to generate public awareness and manage public expectations. Elements of the MIP data repository will be made available to the public by way of these websites. The District is using an offsite hosting service for the public website through a study contractor to store, disseminate and maintain DFIRM data, and RiskMAP products. In addition, the District website provides links to FEMA for electronic versions of the DFIRMs and Flood Insurance Studies.

### 2.3.2 Community Outreach

An essential component of the SRWMD Risk MAP program is community outreach and customer service to ensure stakeholder support and the proper management of expectations

of the overall program. The SRWMD will focus its customer service activities through various mechanisms, including interactive websites with community information and status of ongoing projects, in-house and community training programs, and public outreach activities. The website (<http://www.srwmdfloodreport.com/>) is a GIS-enabled system that will allow users to review the current status of existing projects, announcements, complete informational tutorials, and download fact sheets, issue papers, news releases, and other documents. The site also includes a data viewer where DFIRM data is available for viewing and printing maps. All of this assists the user in determining if their property is affected by a flood zone, and descriptions of how to interpret the specific FEMA flood zones. An added feature of the site is the ability of the user to view preliminary flood data that is available. The goal of this site is to help the user identify their flood risk. The objectives for the site is to provide the user with flood zone data, identify risk, and assist the user in determining how far they are from the flood zone. The website will continue to be populated with flood risk data generated during DFIRM studies produced in the course of the Risk MAP program.

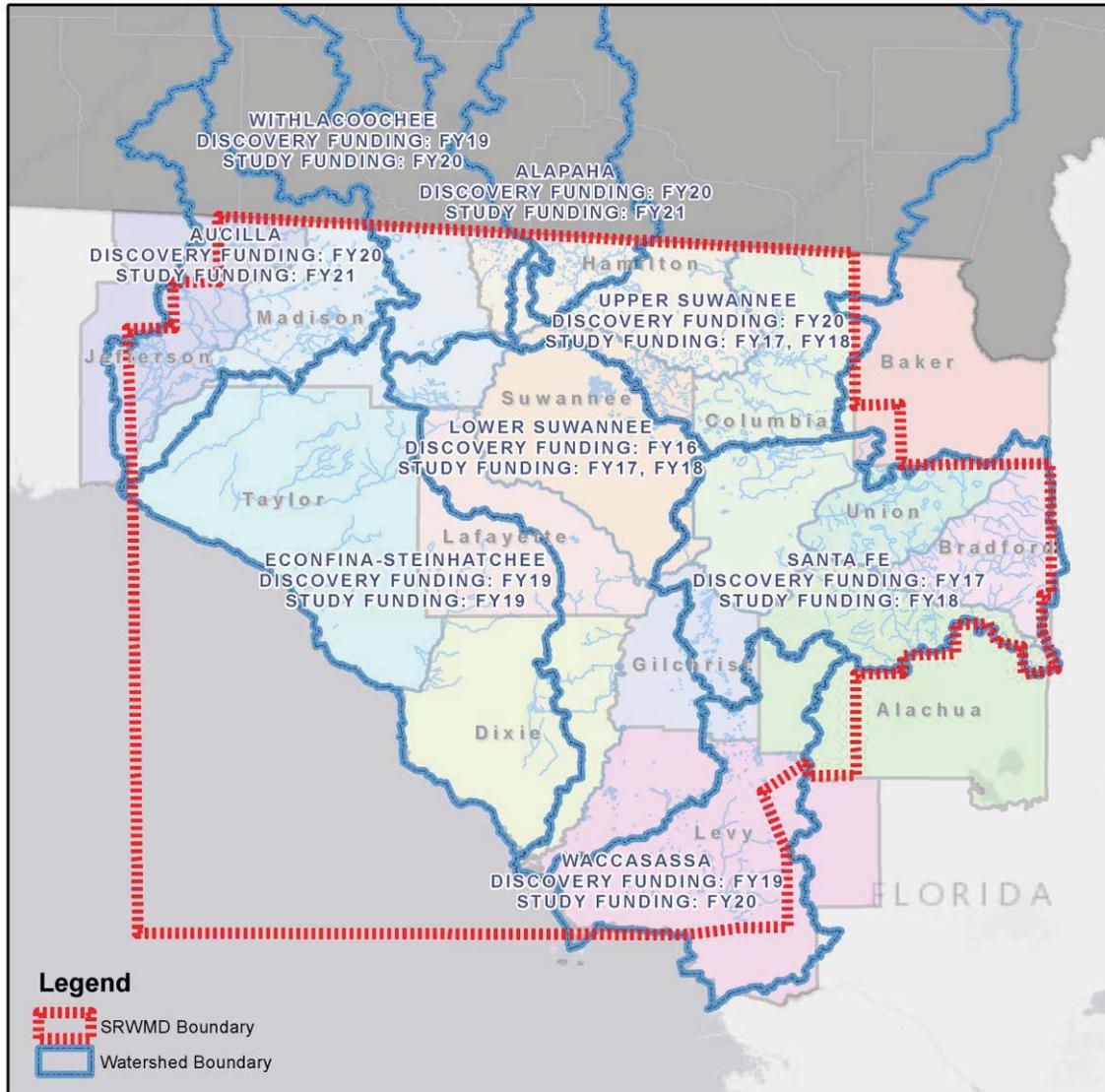
In addition to the above activities that promote the ownership of FEMA's flood hazard maps by user communities, there will be additional activities by the SRWMD to raise public awareness and participation in the study process. These activities could include such activities as fact sheets, flyers, information packages, advertisements, and outreach meetings with local government officials. By providing more outreach opportunities directed toward local governments, the SRWMD could leverage existing data and analyses from local levels. Furthermore, due to increased involvement of citizens and local officials, there will be a reduction in the number of appeals and protests to DFIRM products.

The SRWMD also proposes outreach and coordination with the Northwest Florida Water Management District (NFWMD) for Map Modernization and Risk MAP activities that affect Jefferson County and the Southwest Florida Water Management District (SWFWMD) for activities that affects Levy County that lie only partially within the jurisdiction of the SRWMD.

### Chapter 3 RECOMMENDATIONS FOR MAPPING THROUGH FY23

Unmet needs continue to be documented during the current Risk MAP Program Cycle. Status of recommendations in each watershed are listed below in Figure 3-1.

Figure 3 -1 SRWMD Multi-year Plan showing studies in progress\* and planned studies.



Aucilla, Alapaha, Waccasassa, and Withlacoochee watersheds have current studies underway and will be revisited in FY20-FY21 under FY19 - FY20 grant requests to identify any additional needs, incorporating the finding of current studies. From RiskMAP cycle one, which focused on needs identified by the communities, Upper Suwannee, Lower Suwannee, Santa Fe, and Econfina-Steinhatchee studies have effective map releases in 2018. Upper and Lower Suwannee, and Santa Fe are entering RiskMAP cycle two, which combines community needs with validating all modeled NVUE mileage to ensure up-to-date valid models for all major streams. By

2023 a 3<sup>rd</sup> cycle is anticipated to begin with the Upper and Lower Suwannee, to account for changes in flooding due to mitigation actions recommended under cycle one, as well as changes due to growth.

**FY18 grant submitted – Santa Fe Watershed Studies (03110206)  
Completion of Upper (03110201) and Lower Suwannee (03110205) HUC8  
Watershed Studies**

Studies and re-mapping in Santa Fe HUC8 basin (03110206) through Effective map release; completion of Upper (03110201) and Lower Suwannee (03110205) HUC8 watershed studies from through Prelim and Post-Prelim to Effective.

1. Additional study is anticipated for map maintenance due to mitigation actions, new growth, community needs, flooding since last studies, in the Santa Fe Watershed. (\$791,750)
2. Upper and Lower Suwannee Watersheds were funded in FY17 for studies to address new areas of concern and update models for unverified CNMS miles. Completion of these studies through Preliminary Map Release to Effective map release is included in the FY18 grant request (\$646,000).
3. CNMS Updates – 17-point reviews of expiring CNMS/NVUE miles across District watersheds -- 1126 total expiring miles: 190 detailed, all verified; 936 approximate. (\$60,884)
4. Funding to address increased scope in the Waccasassa study (including 19 additional panels) (\$45,000)

Enhanced Program Management and CERC MAS to expand outreach activities and incorporate web-based map and model management capabilities into the SRWMD website, including \$24,500 to supplement District staffing costs, and \$3000 to pay for District staff to attend (\$175,000).

Total Funding: \$1,718,594

**FY19 Funding – Econfina-Steinhatchee HUC8 basin (03110102)**

Discovery, studies and re-mapping in Econfina-Steinhatchee HUC8 basin (03110102); Districtwide CNMS database updates; Discovery in Waccasassa and Withlacoochee watersheds.

1. Additional study in the Econfina-Steinhatchee is anticipated as map maintenance activities due to mitigation actions, new growth, community needs, flooding since last studies, new leverage from MFL studies, and CNMS unverified miles. Discovery to identify new needs (\$68,000). Funding for additional studies to update new areas of concern identified in Discovery and

address unverified/Tier 0 NVUE (326 miles) and expand footprint of RiskMAP products (\$1,314,750)

2. CNMS/NVUE revalidation of expiring miles across District. 17-point review and update -- 298 total expiring miles: 144 detailed (all unverified); 154 approximate. (\$117,400)
3. Discovery update under RiskMAP cycle for Waccasassa HUC8 basin (03110101) and Withlacoochee HUC8 basin (03110203) (\$98,000)

Enhanced Program Management and COMS to continue outreach activities and continue incorporating training, tracking and web-based map and model management capabilities into the SRWMD website; as well as PiMS training costs for District staff (\$175K). Funding to initiate enhancements to the srwmdfloodreport.com application and data infrastructure for 3D visualization of flood risk at the parcel level; as well as links to obtain elevation certificates and flood insurance (\$100,00).

Total Funding: \$1,873,150

#### **FY20 Funding – Studies in Waccasassa HUC8 Watershed (03110101) and Withlacoochee HUC8 Watershed (03110203)**

Studies and mapping in Waccasassa HUC8 basin (03110101) and Withlacoochee HUC8 basin (03110203); Discovery in Aucilla and Alapaha watersheds; addressing missing RiskMap Products in unrevised areas.

1. In Waccasassa and Withlacoochee watersheds additional study is anticipated for map maintenance due to mitigation actions, new growth, community needs, flooding since last studies, new data, new leverage, and all Tier 0 and Unverified NVUE miles (285 miles Waccasassa; 75 miles Withlacoochee). Note this is 75 miles in Florida only out of the northern Withlacoochee watershed (03110203) that lies partly in Georgia and partly in SRWMD. Another Withlacoochee watershed lies in Southwest Florida Water Management District and is sometimes mistakenly merged into one watershed in CNMS roll-ups (\$1,382,750).
2. Expiring CNMS/NVUE miles across the District – 4 miles detailed (\$1000)
3. Plan for addition of non-regulatory products for unrevised areas. To be used as outreach tools and integrated with web-based outreach and incorporate Areas of Mitigation Action (\$200,000).
4. Discovery in the Aucilla and Alapaha watersheds (\$88,000)

Enhanced Program Management and COMS to continue outreach activities and continue incorporating training, tracking and web-based map and model management capabilities into the SRWMD website; as well as PiMS training costs for District staff (\$175K). Funding to continue enhancements to the srwmdfloodreport.com application and data

infrastructure for 3D visualization of flood risk at the parcel level; as well as links to obtain elevation certificates and flood insurance (\$100,00).

Total Funding: \$1,936,750

**FY21 Funding – Studies in Aucilla (03110103) and Alapaha (03110102) Watersheds**

Studies and mapping in Aucilla HUC8 basin and Alapaha HUC8 basin in Florida;

1. In Aucilla and Alapaha watersheds, additional study is anticipated for map maintenance due to mitigation actions, new growth, community needs, flooding since last studies, new data, new leverage, and completing unverified NVUE miles (387 mi) . (\$1,592,750)
2. Expiring CNMS/NVUE miles – 17-point updates to CNMS database for 438 total expiring miles: 97 detailed; 341 approximate (\$36,777)

Enhanced Program Management and COMS to continue outreach activities and continue incorporating training, tracking and web-based map and model management capabilities into the SRWMD website; as well as PiMS training costs for District staff (\$175K). Funding to initiate enhancements to the srwmdfloodreport.com application and data infrastructure for 3D visualization of flood risk at the parcel level; as well as links to obtain elevation certificates and flood insurance (\$100,00).

Total Funding: \$1,904,527

**FY22 Funding – Studies in Upper (03110201) and Lower Suwannee (03110205) HUC8 Watershed**

Anticipating the completion of the FY17/18-funded studies in the Upper and Lower Suwannee watersheds by January 2023, commencing in Spring of 2023 the RiskMAP cycle in these watersheds should circle back to Discovery and identify additional needs. To fund both the Discovery and the resulting studies, they will be included in the FY22 funding requests. FY22 funding would be approved and awarded by the end of FY22, allowing for governing board approval of contracts to execute Discovery and initiate studies within the 2023 timeframe.

1. Upper and Lower Suwannee Watersheds: On completion of the previous round of studies and release of new effective maps focused along the main stem of the river, a new round of Discovery to continue the RiskMAP cycle and identify new mapping needs due to mitigation actions, new growth, community needs, and any flooding experienced since last studies (\$97,000)

2. Upper and Lower Suwannee Watersheds: Additional study of each watershed is anticipated for map maintenance due to any flood reduction attributable to mitigation actions over the previous 5 years, new growth, other community needs, or new flooding experienced since last studies. (\$975,000)
3. Expiring CNMS/NVUE miles – 17-point updates to CNMS database for expiring miles anywhere in SRWMD estimate (\$25,000)

Enhanced Program Management and community outreach and mitigation strategy (COMS) to continue outreach activities and incorporate training, tracking and updates to the non-regulatory products, model management, maintenance and upgrades to digital infrastructure, as well as fund District staffing needs for attending the annual Partners in Mitigation training (\$278,000).

Total Funding: \$1,375,000

#### **FY23 Funding – Studies in the Santa Fe Watershed (03110206)**

Completion of FY18-funded studies in the Santa Fe Watershed should result in new effective maps by December 2023. Funding approval to continue the RiskMAP cycle in Santa Fe Watershed should be sought during FY23, anticipating approval of grant by September 2023, and commencement of a new cycle early in 2024.

1. Discovery in the Santa Fe watershed to identify and scope studies to address any new needs (\$65,000)
2. Additional studies, map updates, and mitigation action recommendations anticipated for map maintenance due to mitigation actions enacted to change flood risk during previous five years, new growth, community needs, and any flooding experienced in the Santa Fe Watershed. \$950,000)
3. Expiring CNMS/NVUE miles across the SRWMD estimate (\$35,000)

Enhanced Program Management and CERC MAS to continue outreach activities and incorporating training, tracking and web-based map and model management capabilities into the SRWMD website, as well as partially fund District staffing needs for RiskMAP programs (\$275,000).

Total Funding: \$1,325,000

## Chapter 4

### GEOSPATIAL DATA COORDINATION

Through Circular A-16, the Office of Management and Budget (OMB) directs Federal agencies that produce, maintain or use spatial data to participate in the development of the National Spatial Data Infrastructure (NSDI). The goal of the NSDI is to reduce duplication of effort among agencies; improve quality and reduce costs related to geographic information; make geographic data more accessible to the public; increase the benefits of using available data; and establish key partnerships with cities, counties, states, tribal nations, academia and the private sector to increase data availability.

To help realize this goal, FEMA has developed a Geospatial Data Coordination Policy and a plan for implementing that policy. In support of the policy, metadata catalogs and other tools will provide access to the data holdings of FEMA's flood mapping program through various portals of the NSDI.

#### 4.1 SRWMD Geospatial Coordination

The SRWMD is currently implementing portions of the items contained in the Geospatial Data Coordination Policy. The SRWMD is acquiring existing data for use in the development of the DFIRM and ensuring that the data is FGDC compliant. The District is currently utilizing existing USGS digital orthoquads and topographic data. To date, other digital photo data or topographic data has not been utilized.

As part of the Map Modernization and Risk MAP process, the District is also developing digital database and metadata information for use by other agencies or the public. In addition to providing this information on the MIP, the District will also provide this information to the NSDI clearinghouse.

In accordance with FEMA's *Geospatial Data Coordination Policy*, dated August 23, 2005, and FEMA's current Geospatial Data Coordination Implementation Guide, all SRWMD geospatial data will be "coordinated, collected, documented and reported with standardized, complete and current information in compliance with Federal geospatial data reporting standards." This will entail the following:

- Posting planned projects to appropriate systems for coordination;
- Identifying existing data;
- Acquiring existing data;
- Building partnerships for the creation of new data; and
- Documenting and standardizing data.

## MEMORANDUM

TO: Governing Board  
FROM: Tom Mirti, Deputy Executive Director, Water and Land Resources  
DATE: September 28, 2018  
SUBJECT: District Land Management & Twin River State Forest (TRSF) Activity Summary

District staff met with State Parks, and US Fish & Wildlife Service about the planning, implementation, and management of recreation sites along the Suwannee River Wilderness Trail.

District staff meet with Florida Department of Transportation (FDOT) in Lake City about Emergency Coordination.

District staff attended the Andrews Water Management Area Advisory Group Meeting in Fanning Springs.

Land Management helped Resource Management with the review of the proposed Madison Oaks Mitigation Conservation Easement.

District staff collaborated with State parks to complete road repairs and hydrologic improvements on the District-owned Manatee Springs South Tract.

The Withlacoochee #2 Emergency timber sale was completed successfully. Due to an Southern Pine Beetle (SPB) infestation a salvage sale of planted loblolly pine on approximately 30 acres was advertised and a contract awarded.

Florida Forestry Service (FFS) staff surveyed and treated 43 acres for Japanese Climbing Fern on the Chitty Bend East Tract; 1 acre of cogon grass on the Westwood West Tract and 3 acres of cogon grass on the Withlacoochee Tract.

FFS has completed single drum chopping on nearly 25% of a 450-acre clear-cut on the Mill Creek South tract.

Robin Holland, FFS Best Management Practices (BMP) Forester, completed a BMP compliance check on the recently completed timber harvest operations associated with the Withlacoochee #2 Emergency and Black Tract #5 sales. Every category that was evaluated on both sales received a 100% compliance rating.

Florida Fish and Wildlife Commission (FWC) Upland Program contractors have completed treatment of 3.5 acres of wisteria, chinaberry, and mimosa on the Deese Tract, and retreated 575 acres of Japanese climbing fern, mimosa, chinaberry, and cogon grass on the Ellaville Tract.

FFS forest rangers using two farm tractors completed woods road mowing of all the primary and secondary roads, approximately 90 linear miles, on the TRSF WMA tracts.

Loggers set up for and commence harvesting on the Ellaville #16 timber sale. This is a 106-acre thinning of loblolly pine on the Anderson Springs and Ellaville tracts.

The comprehensive invasive plant survey on Chitty Bend West, and Nekoosa was completed. Chitty Bend East is ongoing and surveying had begun on the Withlacoochee Tract, but was temporarily ceased due to the SPB salvage sale commencing.

The "in-house" chopping of Mill Creek South tract commenced. The FFS is using their own equipment to conduct light chopping throughout the clear-cut areas that still have piles from the former spot raking operation. This 400+ acres will remain idle throughout next spring and summer and then treated with herbicide in the late summer or fall of 2019.

FFS staff held the FWC Upland Program pre-bid meeting and field tour for contractor's interested in bidding on this years' project. The contract was subsequently awarded to the low bidder. The successful bidder is the same contractor that conducted the herbicide application on the Ellaville tract last fiscal year. This year's project includes \$61,050 for the Ellaville, and \$28,084 for the Deese, for a total of \$89,134 in funding to continue the fight against invasive plants on the TRSF.

FFS rangers have commenced road, and road shoulder mowing of all the primary and secondary roads on TRSF in preparation for the upcoming hunting season.

The attached report summarizes the status of current District and TRSF activities for the preceding month. District staff may address any items of interest to the Board or provide information to Board members upon request.

/pf

### District Conservation Easement Monitoring

- Completed field inspection for the Dixie Plantation Conservation Easement.
- Drafting amendment to Dixie Plantation Conservation Easement.
- Drafting second amendment to Chinquapin Farm Conservation Easement.

### District Invasive Plant Management Program:

126 invasive plant infestations have been monitored and 70 of those infestations have been treated with herbicides since the beginning of Fiscal Year 2018. During this report period, 57 infestations were monitored and 29 were treated

### District Prescribed Fire Program:

- Contractors conducting prescribed burns on Suwannee River Water Management District (District) lands this year include B&B Dugger (B&B), Natural Resource Planning Services (NRPS), Schmidt Reforestation Services (SRS) and Wildland Fire Services (WFS). Also included in this report are the acres the Florida Forest Service burns on Twin Rivers State Forest (FFS TRSF). When available, the Florida Forest Service (FFS COOP) will also provide a crew to burn additional acres on both District tracts and Twin Rivers State Forest.
- The following table provides information on the Prescribed Burn Program through September 12, 2018. No additional acres were burned during the report period.

**Summary Table FY 2018**

	<b>2018 Target Acres</b>	<b>Acres Complete</b>
SRWMD	13,000	13,790
FFS TRSF	2,000	4,166
<b>TOTAL</b>	<b>15,000</b>	<b>17,956</b>

**District Vegetation Management Projects:**

The following work was completed during the report period: 43 additional miles of ditch edges were treated with herbicide on the Mallory Swamp and Steinhatchee Springs tract in Lafayette County to help facilitate the use of prescribed fire and control potential wildfires. 35 acres of woods mowing was completed on the Jones Mill Creek tract in Taylor County. This work was done for fuel reduction and natural community restoration purposes.

FY 2018 Activity Table - Vegetation Management (8/18/2018 - 9/12/2018)

Fiscal Year	Tract/ Project Area	Herbicide (Acres/Miles)		Roller Chop (Acres)		Ditch Mow (Miles)		Woods Mow (Acres)	
		Planned	Complete	Planned	Complete	Planned	Complete	Planned	Complete
2018	<b>Mattair Springs</b>	373	<b>332</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>
	<b>Mallory Swamp</b>	192	<b>165</b>	1,500	<b>908</b>	0	<b>0</b>	0	<b>0</b>
	<b>Steinhatchee Springs</b>	24	<b>24</b>	0	<b>0</b>	24	<b>24</b>	0	<b>0</b>
	<b>Ruth Springs</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	46	<b>46</b>
	<b>Little Shoals</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	41	<b>41</b>
	<b>Peacock Slough</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	99	<b>99</b>
	<b>Jones Mill Creek</b>	0	<b>0</b>	0	<b>0</b>	0	<b>0</b>	126	<b>35</b>

**District Timber Sales**

- White Springs #1: Harvesting is complete. Sale will be finalized after roads are repaired by the buyer.

Sale	Contract	Acres	Tons Harvested	Revenue	Status	Contract End Date
Steinhatchee Springs #17 (Osteen amendment)	16/17-085	303 12	1,471	\$24,657.94	Harvest Inactive	December 20, 2018
Steinhatchee Springs #18	16/17-086	208			Harvest Inactive	December 20, 2018
Stephen Foster #1	16/17-226	376	11,011	\$193,595.91	Harvest Inactive	October 20, 2018
White Springs #1	16/17-228	94	7,313	\$125,181.66	Harvesting Complete	September 19, 2018
Ellaville #15	17/18-026	256			Harvest Active	November 30, 2018
Santa Fe River Ranch #1	17/18-038	35	3,254	\$85,648.94	Sale Complete	November 30, 2018
Troy Springs Addition #1	17/18-140	76	9,910	\$219,437.34	Sale Complete	March 30, 2018
Black #5	17/18-209	78	2,771	\$47,991.58	Sale Complete	May 23, 2019
Christian Chipping #1	17/18-220	121			Harvest Inactive	June 19, 2019
Withlacoochee #2 Emergency	17/18-233	20	1994	\$31,159.28	Harvest Complete	November 15, 2018
Alapahoochee #2 Emergency	17/18-244	50			Harvest Active	December 29, 2018
Ellaville #16	17/18-246	108			Harvest Active	September 5, 2019

## MEMORANDUM

TO: Governing Board

FROM: Tom Mirti, Deputy Executive Director, Water and Land Resources

DATE: September 28, 2018

RE: Agricultural Water Use Monitoring Report

### BACKGROUND

In September 2012, the District began a program of water use monitoring for agricultural water use reporting on wells of 8" diameter or greater. Where possible, agricultural water use is estimated using monthly power consumption records provided by the electrical power provider. Estimation by power use is the most cost-effective method of water use reporting. To date, farmer agreements authorizing the District to receive power usage reports directly from the cooperatives are in effect on 643 (122.3 MGD) monitoring points.

Not all withdrawal points are suitable for estimation using power consumption. Diesel-powered pumps and complex interconnected irrigation systems still require direct methods of monitoring. The District employs telemetry to conduct water use monitoring on diesel-power systems. There are currently 292 (53.5 MGD) telemetry (only) systems installed by the District for this purpose. There are another 41 telemetry systems installed at electric use monitoring sites providing quality assurance on the monthly power consumption records, for a total of 333 telemetry systems installed.

Some withdrawal points have very limited use and are monitored by individual site visits. There are currently 369 (28.1 MGD) limited use monitoring points in the District. Some users monitor their own water use and report that data to the District. There are currently three (0.4 MGD) self-monitored points.

To date, the District has permitted 1,597 (233.1 MGD) irrigation wells which include a water use monitoring condition, of which 1,336 (208.4 MGD) wells are active, i.e., the wells have been drilled already. Of the 1,336 active wells, 1,307 (204.2 MGD) are being monitored as of September 13, roughly 97.8% of existing active wells (98.0% of allocation) with water use permit monitoring conditions.

Of the remaining estimated 29 (4.1 MGD) active stations that currently will require water use monitoring, three (0.3 MGD) are diesel- or gas-powered systems requiring District telemetry, 22 (4.2 MGD) are electric systems, and four (0.5 MGD) systems still require identification. There are 250 (24.8 MGD) proposed stations (that is, the wells are yet to be drilled); 60 (3.8 MGD) are expected to be diesel or gas, 142 (17.4 MGD) are expected to be electric, and 48 (4.0 MGD) are yet to be determined.

TM/pf

MEMORANDUM

TO: Governing Board  
FROM: Tom Mirti, Deputy Executive Director, Water and Land Resources  
DATE: September 28, 2018  
RE: Authorization to Execute a Contract for the Sale of Timber with Great South Timber and Lumber, LLC, for the Fort White Wellfield #1 Timber Sale

RECOMMENDATION

**District staff recommends the Governing Board Authorize the Executive Director to Execute a Contract for the Sale of Timber with Great South Timber and Lumber, LLC, for the Fort White Wellfield #1 Timber Sale.**

BACKGROUND

On September 5, 2018, the District issued an Invitation to Bid (ITB 17/18-034 WLR) for timber located on the Fort White Wellfield tract in Columbia County. The timber offered for sale is 62 acres of 23-year-old and 19-year-old planted slash pine. The harvest is a marked thinning of slash pine to improve forest health and reduce potential for bark beetle infestations. The harvest plan of the sale is to reduce the density of the pines to approximately 40 square feet of basal area per acre. This will reduce the number of diseased or suppressed trees and allow the highest quality trees to continue growing. Reduction of pine density will also improve wildlife habitat by allowing more sunlight penetration to the forest floor, enhancing production of groundcover.

Bid responses were received on September 19, 2018. Bids were received from two companies as indicated below. The bid calculation revenue is based on the District estimated volumes of pine pulpwood and pine chip-n-saw on the proposed harvest acreage.

<b>Bidder</b>	<b>City</b>	<b>Bid Calculation Revenue</b>
<b>Great South Timber and Lumber, LLC</b>	<b>Lake City, Florida</b>	<b>\$125,453.12</b>
<b>North Florida Timber Dealers</b>	<b>Lake City, Florida</b>	<b>\$124,044.16</b>

Great South Timber and Lumber, LLC, bid was \$22.76/ton for pine pulpwood, \$22.76/ton pine chip-n-saw,

SC/pf

MEMORANDUM

TO: Governing Board  
FROM: Tom Mirti, Deputy Executive Director, Water and Land Resources  
DATE: September 28, 2018  
RE: Ratification of Contract 17/18-233 for the Sale of Timber with North Florida Timber Dealers, Inc. for the Withlacoochee #2 Emergency Timber Sale

RECOMMENDATION

**District staff recommends the Governing Board Ratify Contract 17/18-233 for the Sale of Timber with North Florida Timber Dealers, Inc. for the Withlacoochee #2 Emergency Timber Sale.**

BACKGROUND

On July 27, 2018 the District received notification from the Florida Forest Service (FFS) of a southern pine beetle (SPB) infestation on the Withlacoochee Tract of Twin Rivers State Forest. The District issued an Invitation to Bid (17/18-031WLR) for clear-cut harvesting an estimated 20 acres of SPB-infested timber as well as a timber buffer. One response to the ITB was received by the August 10, 2018 bid submittal date and is provided below. A contract was executed with North Florida Timber Dealers, Inc. on August 15, 2018. Harvesting began on August 16, 2018 and was completed on August 29, 2018.

Due to the emergency nature of the action, the total value of the sale was not possible to establish at the time of the ITB. To minimize the SPB risk to adjacent timber stands and possibly incur a substantial revenue loss, District staff acted promptly to harvest the infested area. The eventual revenue received for this salvage timber sale was \$31,159.28.

<b>Timber Type</b>	<b>Bid \$/Ton</b>	<b>Tonage</b>	<b>Revenue</b>
Pine Pulpwood	\$8.88	843.189	\$7,487.52
Pine Sawtimber	\$30.88	664.44	\$20,517.91
Pine Bugwood	\$8.88	185.76	\$1,649.55
Hardwood Pulpwood	\$5.00	300.86	\$1,504.30

SC/pf

MEMORANDUM

TO: Governing Board

FROM: Tom Mirti, Deputy Executive Director, Water and Land Resources

DATE: September 28, 2018

RE: Authorization to Transmit the Five-Year Water Resource Development Work Program Report

RECOMMENDATION

**Staff recommends that the Governing Board authorize staff to transmit the Five-Year Water Resource Development Work Program Report and incorporate appropriate revisions**

BACKGROUND

The District is required to submit a Five-Year Water Resource Development Work Program Report to the Florida Department of Environmental Protection (FDEP) pursuant to section 373.536, Florida Statutes (F.S.). This is the second year the District has prepared this report, which updates the implementation of the District's regional water supply plan.

The Fiscal Year 2019 Water Resource Development Work Program Report includes District-funded projects from October 1, 2018 through September 30, 2023, as well as anticipated programmatic funding in support of Water Supply Planning, Minimum Flows and Minimum Water Levels, and Water Resource Development. Projects involving water conservation, resource evaluation, and regional water resource development are examples of what is contained in the report.

This authorization allows District staff to transmit the report, and to address and incorporate appropriate revisions resulting from FDEP and/or public comment to the Water Resource Development Work Program Report prior to inclusion into the 2019 Consolidated Annual Report.

ALB/pf

## MEMORANDUM

TO: Governing Board

FROM: Tom Mirti, Deputy Executive Director, Water and Land Resources

DATE: September 28, 2018

RE: Approval of 2018 Priority List for Establishment of Minimum Flows and Minimum Water Levels

### RECOMMENDATION

**Staff recommends the Governing Board approve the Minimum Flows and Minimum Water Levels 2018 Priority List and Schedule to be submitted to the Florida Department of Environmental Protection, pursuant to subsection 373.042(3), Florida Statutes.**

### BACKGROUND

Pursuant to subsection 373.042(3), Florida Statutes (F.S.), the District is required to identify priority water bodies for the establishment of Minimum Flows and Minimum Water Levels (MFLs) and those listed water bodies that have the potential to be affected by withdrawals in an adjacent district for which the Florida Department of Environmental Protection's (FDEP) adoption may be appropriate. The priority list, and schedule for the establishment of MFLs must be submitted to the FDEP for review and approval by November 15<sup>th</sup> each year. Attached is the proposed 2018 priority list, and schedule, along with a descriptive narrative, showing the District's MFL priorities beginning calendar year 2019.

A key part of MFLs is the assessment of water body status relative to existing water use. This determines the need for recovery from or prevention of impact for each water body. This must be done, initially, at the same time as MFL rule development for a waterbody (subsection 373.0421(2), F.S.). This District and the St. Johns River Water Management District continue collaboration on the North Florida Southeast Georgia Regional Groundwater Flow Model (NFSEG). The model will be used to assess the impact of regional withdrawals to date on the resource, and to estimate potential impacts for a 20-year planning horizon. The peer-reviewed version of the NFSEG model is currently scheduled for finalization in 2018.

The NFSEG model delay affected evaluation of recovery or prevention, and thus completion of technical efforts, and subsequent rule development on several important systems. However, during 2018 technical progress continued on a number of MFLs, particularly lakes. The attached narrative details work progress in 2018.

The District continues coordination with FDEP on the planned adoption of MFLs on the Upper and Middle Suwannee Rivers and associated priority springs.

Lower Santa Fe and Ichetucknee Rivers and Springs MFL Schedule – Update

The Lower Santa Fe and Ichetucknee Rivers and Priority Springs rule was adopted by FDEP in June 2015. The rule specifies that the MFL and the present status of these water bodies shall be re-evaluated by December 31, 2019 using the best available scientific or technical data, methodologies, and models. Staff began work on this MFL re-evaluation in 2018. The status assessment will begin following completion of the peer reviewed NFSEG model.

JG/pf

Attachments

**Suwannee River Water Management District  
2018 Priority List and Schedule – Narrative**

Past Year Accomplishments

- NFSEG Model Peer Review Complete
- Progress on MFLs currently in development is listed in the following table.

*Current progress of MFLs in development:*

<b>Waterbody or System</b>	<b>Current Progress</b>
Upper Suwannee River and Priority Springs	Draft MFL Report Completed
Middle Suwannee River and Priority Springs	Peer Review Completed; Response Completed
Alapaha River	Field Work and Modeling Completed
Withlacoochee River and Priority Springs	Field Work and Modeling Completed
Steinhatchee River and Priority Springs	Peer Review Completed
Lake Hampton	Peer Review Completed; Response Completed
Lake Butler	Peer Review Completed; Response Completed
Lake Santa Fe	Peer Review Completed; Response in Process
Lake Altho	Peer Review Completed; Response in Process
Cherry Lake	Water Resource Assessment in Process

Changes to the Priority List from 2017 to 2018

- The expected year of adoption for all new MFLs on the list (and one re-evaluation, Madison Blue Spring) have been delayed due to the complexity of modeling the impacts of withdrawals on these natural systems, and the time needed to complete the voluntary peer reviews and status assessment.
- Priority waterbodies with established MFLs that are not scheduled for re-evaluation within the next three years are not listed.
- Two springs, Gilchrist Blue (Lower Santa Fe system), and Rock Bluff (Middle Suwannee system), were added to the Priority List, and schedule. They were acquired for conservation and recreational purposes.
- No waterbodies were removed from the Priority List, however, waterbodies anticipated to have MFL development later (i.e., beyond three years) are simply listed with no assigned date.

**Suwannee River Water Management District  
2017 Priority List and Schedule – Tables**

Note: Voluntary Peer Review is listed for all waterbodies as initiated in 2014

Suwannee River Water Management District Minimum Flows and Minimum Levels to be adopted in 2019

New or Re-Evaluation	Waterbody Name or Compliance Point	System Name	Waterbody Type	County(s)	Voluntary Peer Review to be Completed?	Cross-Boundary Impacts from Adjacent WMD?	Latitude	Longitude	Rulemaking Status
Re-Evaluation	Santa Fe River near Fort White	Lower Santa Fe	River	Gilchrist	Yes	Yes	29.8486	-81.2847	Rule Adopted
Re-Evaluation	Columbia (Col101974)	Lower Santa Fe	Spring (Mag. 2)	Columbia	Yes	Yes	29.8340	-82.6767	Rule Adopted
Re-Evaluation	Columbia Spring (OFS)	Lower Santa Fe	Spring (Mag. 1)	Columbia	Yes	Yes	29.8541	-82.6120	Rule Adopted
Re-Evaluation	Devils Ear Spring (OFS)	Lower Santa Fe	Spring (Mag. 1)	Gilchrist	Yes	Yes	29.8353	-82.6966	Rule Adopted
Re-Evaluation	Hornsby Spring (OFS)	Lower Santa Fe	Spring (Mag. 1)	Alachua	Yes	Yes	29.8504	-82.5932	Rule Adopted
Re-Evaluation	July Spring	Lower Santa Fe	Spring (Mag. 1)	Columbia	Yes	Yes	29.8362	-82.6964	Rule Adopted
Re-Evaluation	Poe Spring (OFS)	Lower Santa Fe	Spring (Mag. 2)	Alachua	Yes	Yes	29.8257	-82.6490	Rule Adopted
Re-Evaluation	Rum Island Spring	Lower Santa Fe	Spring (Mag. 2)	Columbia	Yes	Yes	29.8335	-82.6798	Rule Adopted
Re-Evaluation	Santa Fe River Rise	Lower Santa Fe	Spring (Mag. 1)	Alachua	Yes	Yes	29.8739	-82.5916	Rule Adopted
Re-Evaluation	Siphon Creek Rise	Lower Santa Fe	Spring (Mag. 1)	Gilchrist	Yes	Yes	29.8562	-82.7331	Rule Adopted
Re-Evaluation	Treehouse Spring (OFS)	Lower Santa Fe	Spring (Mag. 1)	Alachua	Yes	Yes	29.8549	-82.6029	Rule Adopted
New	Gilchrist Blue Spring	Lower Santa Fe	Spring (Mag. 2)	Gilchrist	Yes	Yes	29.8299	-82.6829	
Re-Evaluation	Ichetucknee at Hwy27 near Hildreth	Ichetucknee	River	Columbia	Yes	Yes	29.9525	-81.2139	Rule Adopted
Re-Evaluation	Blue Hole Spring	Ichetucknee	Spring (Mag. 1)	Columbia	Yes	Yes	29.9805	-82.7584	Rule Adopted
Re-Evaluation	Devils Eye Spring	Ichetucknee	Spring (Mag. 2)	Gilchrist	Yes	Yes	29.8352	82.6966	Rule Adopted
Re-Evaluation	Grassy Hole Spring	Ichetucknee	Spring (Mag. 3)	Columbia	Yes	Yes	29.9678	82.7597	Rule Adopted
Re-Evaluation	Mill Pond Springs	Ichetucknee	Spring (Mag. 2)	Columbia	Yes	Yes	29.9667	82.7600	Rule Adopted
Re-Evaluation	Mission Springs	Ichetucknee	Spring (Mag. 2)	Columbia	Yes	Yes	29.9762	82.7579	Rule Adopted
Re-Evaluation	Ichetucknee Head Spring	Ichetucknee	Spring (Mag. 1)	Suwannee	Yes	Yes	29.9842	-82.7619	Rule Adopted
New	Suwannee River at White Springs	Upper Suwannee	River	Columbia	Yes	Yes	30.3258	-81.2614	
New	Alapaha River Rise	Upper Suwannee	Spring (Mag. 1)	Hamilton	Yes	Yes	30.4376	-83.0899	
New	Blue Spring	Upper Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.4223	-83.0138	
New	Holton Creek Rise	Upper Suwannee	Spring (Mag. 1)	Hamilton	Yes	Yes	30.4379	-83.0576	
New	Stevenson Spring	Upper Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.4171	-83.1530	

Suwannee River Water Management District Minimum Flows and Minimum Levels to be adopted in 2019

New	Suwannee Springs	Upper Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.3945	-82.9345	
New	White Springs	Upper Suwannee	Spring (Mag. 2)	Hamilton	Yes	Yes	30.3300	-82.7608	
New	Suwannee River at Ellaville	Middle Suwannee	River	Suwannee	Yes	Yes	30.3844	-82.8281	
New	Allen Mill Pond Springs	Middle Suwannee	Spring (Mag. 2)	Lafayette	Yes	Yes	30.1628	-83.2431	
New	Anderson Spring	Middle Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.3534	-83.1897	
New	Bell Spring	Middle Suwannee	Spring (Mag. 3)	Gilchrist	Yes	Yes	29.5974	-82.9412	
New	Bonnet Spring	Middle Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.1243	-83.1382	
New	Branford Spring	Middle Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	29.9549	-82.9284	
New	Charles Spring	Middle Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.1674	-83.2304	
New	Guaranto Spring	Middle Suwannee	Spring (Mag. 2)	Dixie	Yes	Yes	29.7798	-82.9400	
New	Hart Springs	Middle Suwannee	Spring (Mag. 2)	Gilchrist	Yes	Yes	29.6750	-82.9512	
New	Lime Sink Rise	Middle Suwannee	Spring (Mag. 1)	Suwannee	Yes	Yes	30.3878	-83.1611	
New	Little River Spring	Middle Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	29.9969	-82.9663	
New	Otter Spring	Middle Suwannee	Spring (Mag. 2)	Gilchrist	Yes	Yes	29.6448	-82.9428	
New	Pothole Spring	Middle Suwannee	Spring (Mag. 2)	Dixie	Yes	Yes	29.8107	-82.9359	
New	Rock Bluff Springs	Middle Suwannee	Spring (Mag. 2)	Gilchrist	Yes	Yes	29.7991	-82.9186	
New	Rock Sink Spring	Middle Suwannee	Spring (Mag. 2)	Dixie	Yes	Yes	29.7279	-82.9493	
New	Royal Spring	Middle Suwannee	Spring (Mag. 3)	Suwannee	Yes	Yes	30.0837	-83.0748	
New	Ruth Spring	Middle Suwannee	Spring (Mag. 2)	Lafayette	Yes	Yes	29.9958	-82.9768	
New	Suwanacoochee Spring	Middle Suwannee	Spring (Mag. 2)	Madison	Yes	Yes	30.3867	-83.1718	
New	Turtle Spring	Middle Suwannee	Spring (Mag. 2)	Lafayette	Yes	Yes	29.8474	-82.8903	
New	Lime Spring	Middle Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.3912	-83.1687	
New*	Falmouth Spring (OFS)	Middle Suwannee	Spring (Mag. 1)	Suwannee	Yes	Yes	30.3612	-83.1350	Emergency rule*
New*	Lafayette Blue Spring (OFS)	Middle Suwannee	Spring (Mag. 1)	Lafayette	Yes	Yes	30.1258	-83.2261	Emergency rule*
New*	Peacock Springs Group (OFS)	Middle Suwannee	Spring (Mag. 2)	Suwannee	Yes	Yes	30.1232	-83.1332	Emergency rule*
New*	Troy Spring (OFS)	Middle Suwannee	Spring (Mag. 1)	Lafayette	Yes	Yes	30.0060	-82.9975	Emergency rule*
New	Steinhatchee River near Cross City	Steinhatchee	River-Estuary	Taylor	Yes	No	29.7864	-82.6783	
New	Steinhatchee River Rise	Steinhatchee	Spring (Mag. 1)	Dixie	Yes	No	29.7699	-83.3250	
New	Tay76992	Steinhatchee	Spring (Mag. 2)	Taylor	Yes	No	29.7614	-83.3350	

\* Emergency MFL rule 40BER 17-01 is effective July 1, 2017.

Suwannee River Water Management District Minimum Flows and Minimum Levels to be adopted in 2020

New or Re-Evaluation	Waterbody Name or Compliance Point	System Name	Waterbody Type	County(s)	Voluntary Peer Review to be Completed?	Cross-Boundary Impacts from Adjacent WMD?	Latitude	Longitude	Rulemaking Status
New	Lake Altho	Lake Altho	Lake	Alachua	Yes	Under evaluation	29.7886	-81.8386	
New	Lake Butler	Lake Butler	Lake	Union	Yes	Under evaluation	30.0272	-81.6617	
New	Lake Hampton	Lake Hampton	Lake	Bradford	Yes	Under evaluation	29.8644	-81.8386	
New	Lake Santa Fe	Lake Santa Fe	Lake	Alachua	Yes	Under evaluation	29.7450	-81.9014	
New	Alapaha River near Jennings	Alapaha	River	Hamilton	Yes	Under evaluation	30.5981	-82.9267	
New	Cherry Lake	Cherry Lake	Lake	Madison	Yes	Under evaluation	30.6183	-82.5778	
New	Withlacoochee River near Pinetta	Withlacoochee	River	Madison	Yes	Under evaluation	30.5953	-82.7403	
Re-Evaluation	Madison Blue Spring (OFS)	Withlacoochee	Spring (Mag. 1)	Madison	Yes	Under evaluation	30.4804	-83.2444	Rule Adopted
New	Pot Spring	Withlacoochee	Spring (Mag. 2)	Hamilton	Yes	Under evaluation	30.4708	-83.2344	

Suwannee River Water Management District Minimum Flows and Minimum Levels to be adopted in 2021

New or Re-Evaluation	Waterbody Name or Compliance Point	System Name	Waterbody Type	County(s)	Voluntary Peer Review to be Completed?	Cross-Boundary Impacts from Adjacent WMD?	Latitude	Longitude	Rulemaking Status
New	Lake Palestine	Lake Palestine	Lake	Union	Yes	Under evaluation	30.1294	-81.5906	
New	Ocean Pond	Ocean Pond	Lake	Baker	Yes	Under evaluation	30.2153	-81.5581	

Suwannee River Water Management District Minimum Flows and Minimum Levels to be adopted after 2021

New or Re-Evaluation	Waterbody Name or Compliance Point	System Name	Waterbody Type	County(s)	Voluntary Peer Review to be Completed?	Cross-Boundary Impacts from Adjacent WMD?	Latitude	Longitude	Rulemaking Status
New	Lake Crosby	Lake Crosby	Lake	Bradford	Yes	Under evaluation	29.9497	-81.8475	
New	Lake Rowell	Lake Rowell	Lake	Bradford	Yes	Under evaluation	29.9211	-81.8331	
New	Lake Sampson	Lake Sampson	Lake	Bradford	Yes	Under evaluation	29.9297	-81.8275	

MEMORANDUM

TO: Governing Board  
FROM: Darrell Smith, Assistant Executive Director  
DATE: September 28, 2018  
RE: Approval to Enter into Agreements with Six Agricultural Producers to Implement Precision Agriculture Practices

RECOMMENDATION

**Staff recommends the Governing Board approve the Executive Director to enter into individual contracts with six agricultural producers to implement Precision Agriculture Practices.**

BACKGROUND

At the September 20, 2017, Governing Board Meeting, the Board approved the District to enter into a contract with the Florida Department of Environmental Protection (FDEP) to receive \$2,000,000 in springs funding for a precision agriculture cost-share program. Under this program, agriculture producers were invited to submit proposals to implement precision agriculture practices on their operations that will cost effectively reduce nutrients (nitrogen) in groundwater that contributes to spring flow.

Precision agriculture practices includes such items as veris mapping, aerial imagery, grid soil sampling, tissue sampling, variable rate nutrient application, side dressing, and variable rate irrigation.

The District received 62 applications to this program from producers throughout the District. Based on the evaluation criteria, six applicants are being recommended for cost-share funding today. These applicants have applied for all or parts of the Precision Agriculture Cost-Share Program including veris mapping, aerial imagery, grid soil sampling, tissue sampling, variable rate nutrient application, side dressing equipment, and variable rate irrigation. It is estimated that 184,375 pounds of nitrogen loading will be reduced across 1,970 acres.

The total cost of the six projects is estimated at \$481,574. The FDEP Springs Funding will contribute \$361,180 or 75% of the projects costs, with the producers contributing \$120,394 or 25% of the total project cost. See attachment for a detail project cost and environmental benefit breakdown.

Funding for this program is included in the FY 2019 budget under account code 06-2586-7-2400-18-01.

BHG/kw  
Attachment

ATTACHMENT

<b>Applicant</b>	<b>Springs Grant Amount</b>	<b>Acres</b>	<b>Benefits (#'s N Reduced)</b>
WILLIAM CARTE	\$ 36,000	600	15,000
BRAD DICKS	\$ 53,780	180	22,500
EDWARD A CARTER	\$ 56,000	100	11,875
BILL MCCURDY	\$ 71,000	350	43,750
C.J. BLANTON	\$ 72,200	370	45,625
JASON BLANTON	\$ 72,200	370	45,625
<b>Total</b>	<b>\$361,180</b>	<b>1,970</b>	<b>184,375</b>

MEMORANDUM

TO: Governing Board  
FROM: Darrell Smith, Assistant Executive Director  
DATE: September 28, 2018  
RE: Authorization for the Executive Director to Amend Contract Number 17/18-006 with Perpetual Contracting, Inc., for Services on Middle Suwannee Project

RECOMMENDATION

**Staff recommends the Governing Board authorize the Executive Director to amend Contract Number 17/18-006 with Perpetual Contracting, Inc., to add \$45,000 for the Middle Suwannee River, Springs and Aquifer Recharge Project - Hydrologic Structure Installations for a revised amount not to exceed \$235,000.**

BACKGROUND

Perpetual Contracting, Inc., of Cross City is the District contractor for road and hydrologic structure construction and maintenance. This contract was approved by the Board at the September 20, 2017, meeting and renewed for Fiscal Year (FY) 2019.

Staff is requesting additional spending authority up to \$45,000. The additional funds will cover unanticipated work, repairs, and delays related to highwater events that occurred through spring and summer 2018. High water conditions at the project site prevented this work from being completed in FY 2018. The project work is funded through FY 2014 Springs Grant, # S0675.

The workload anticipated in the amendment is to install or replace 24 culverts or flashboard riser structures. This work will complete all currently permitted new structures in the project.

Funds are available in the FY 2019 budget under code: 05-2-586-2201-04-03.

RH/kw

MEMORANDUM

TO: Governing Board  
FROM: Hugh Thomas, Executive Director  
DATE: September 28, 2018  
RE: District's Weekly Activity Reports

Attached are the weekly District activity reports.

Please feel free to contact staff prior to the Governing Board meeting if you would like further information.

HT/rl  
Attachments



## Weekly Activity Report to Governing Board for August 19 - 25, 2018

### Executive / Management

- Hugh Thomas was Keynote speaker at the Water Issues Awareness Program sponsored by IFAS, North Florida Research & Education Center.
- Hugh Thomas attended the Georgia Environmental Conference in Jekyll Island.
- Hugh Thomas was the Keynote speaker at the Union County Farm Bureau Annual Meeting.

### Legislative and Community Affairs

- Hugh Thomas, with Katie Kelly in attendance, provided a PILT check presentation at the Suwannee County Commissioners Meeting.
- Hugh Thomas, with Ben Glass in attendance, provided a PILT check presentation at the Union County Commissioners Meeting.
- Steve Minnis and Katie Kelly met with several Oak Woodlands homeowners regarding drainage issues.
- Steve Minnis attended the McGriff Channel dredging Project Meeting held at the Dixie County Suwannee Community Center.
- Ben Glass attended the North Central Florida Regional Planning Council meeting held in Lake City.
- Tom Mirti, Steve Minnis, and Katie Kelly met with the Dixie County staff regarding flood impacts in the Lower Hammock area.

### Finance

- No reporting activity.

### Land Management

- District contractors are harvesting timber on the Withlacoochee tract.
- District staff completed the Sanders Great Oak Plantation conservation easement inspection.
- District staff completed treating twenty acres of exotics.

### Resource Management

- Resource Management staff participated in the FDEP Sovereign Submerged Lands permitting conference call workshop.
- Warren Zwanka presented *WUP Challenges and Perspectives* at the TMDL/ BMAP Workshop held at the Live Oak IFAS Research and Education Center.
- Stefani Weeks and Matthew Cantrell attended the Interagency Ag Team Meeting.

### Water Resources

- Ross Davis and Kevin Jones measured spring flows along the Santa Fe River.

### **Minimum Flows and Minimum Water Levels**

- Tom Mirti and John Good participated in a conference call with the FDEP Office of Water Policy to discuss the upcoming re-evaluation of the MFL for the Lower Santa Fe and Ichetucknee Rivers and Associated Springs.
- Trey Grubbs and John Good teleconferenced into a NFSEG Model meeting at the SJRWMD, which included SJRWMD staff and representatives of the North Florida Utility Coordinating Group.

### **Water Supply**

- Amy Brown presented an overview of the Water Supply Assessment to the Santa Fe Springs Forum.

### **Hydrological Data**

- No reporting activity.

### **Agriculture and Environmental Projects**

- Kris Eskelin presented at the Santa Fe Springs Forum on improvements at Rum Island and the 47 Bridge projects in High Springs.
- Darrell Smith, Justin Garland, and Ben Glass attended the Suwannee Valley Peanut Trade Show held at the IFAS Research Center in Live Oak.
- Patrick Webster, Kris Eskelin, and Kevin Flavin performed a planting inspection on Edwards Bottomlands in Starke.
- Darrell Smith attended the North Florida Regional Education Center Suwannee Valley Advisory Committee meeting held at the IFAS Research Center in Live Oak.

### **Communications**

- The District kicked off the new Aquifer Alert system which allows users to sign up for automatic notification on hydrologic and groundwater information.

### **Announcements for the week of September 2 - 8.**

- The District Headquarters will be closed on September 3<sup>rd</sup> in observance of Labor Day.



## Weekly Activity Report to Governing Board for Aug. 26 – Sept. 1, 2018

### Executive / Management

- Hugh Thomas and Tom Mirti met with Bradford County staff and Commissioner Durrance regarding flooding concerns.
- Hugh Thomas met with UF-IFAS and SJRWMD regarding Millhopper Master Planning.
- Hugh Thomas attended the Florida Forestry Annual Meeting in Amelia Island.

### Legislative and Community Affairs

- Hugh Thomas, with Katie Kelly, Pam Shaw, and Christina Green attending, along with the other WMDs presented the FY2019 Tentative budgets to the FDEP staff, Governor's Office of Policy and Budget, legislative staff at the Capitol in Tallahassee, along with the other WMDs and FDEP.

### Finance

- No reporting activity.

### Land Management

- No reporting activity.

### Resource Management

- Warren Zwanka, Stephani Weeks, Chrissy Carr, and SJRWMD staff held training for local Water Well Contractors on the new E-Permitting system for water well permitting.
- Warren Zwanka, Stephani Weeks, Chrissy Carr, and Matthew Cantrell attended training on the new E-Permitting and E-Regulatory systems for water well permitting at SJRWMD.

### Water Resources

- No reporting activity.

### Minimum Flows and Minimum Water Levels

- Darrell Smith, Tom Mirti, Trey Grubbs, John Good, Amy Brown, Dave Christian, Greg Trotter, and Emily Ryan met with SRWMD staff regarding the NFSEG Groundwater Model.
- John Good, Amy Brown, and Emily Ryan participated in a conference call with SJRWMD staff regarding a "hindcasting data approach" for past water use estimation.

### Water Supply

- Amy Brown and Kevin Flavin toured the Chemours West Levee site.

### Hydrological Data

- No reporting activity.

**Agriculture and Environmental Projects**

- Patrick Webster, Kevin Flavin, and Kris Eskelin performed a site inspection on Edwards Bottomlands planting plan in Starke.
- Patrick Webster performed a site inspection of the CR 229 LAP Project in Raiford.

**Communications**

- District staff kicked off the redesign of the new website with Civic Plus, the website host. Design and migration is expected to take approximately five months. Launch of the new site is anticipated for early Spring 2019.

**Announcements for the week of September 9 - 15.**

- The District will hold its monthly Governing Board Meeting, first Public hearing of the Fiscal Year budget for 2019 on September 11<sup>th</sup> at the District Office beginning at 3:00 p.m.
- Dixie County will be presented a PILT Check on September 13<sup>th</sup>.



## Weekly Activity Report to Governing Board for September 2 - 8, 2018

### Executive / Management

- Hugh Thomas attended the Cedar Key Smithsonian Display and Reception.

### Legislative and Community Affairs

- Hugh Thomas provided, with Katie Kelly attending, a PILT check presentation at the Jefferson County Commissioners Meeting.
- Hugh Thomas and Steve Minnis met with North Florida Land Trust staff regarding acquisition assistance in the District.
- Hugh Thomas, Steve Minnis, and Katie Kelly met with representatives from Shield Properties regarding a potential acquisition near the Aucilla River.
- Katie Kelly, Keith Rowell, and Bob Heeke participated in a conference call with the Florida Forest Service regarding a proposed land acquisition exchange.

### Finance

- Gwen Lord attended and judged the 4<sup>th</sup> grade Tropicana Speech Contest at Lafayette Elementary School in Mayo.

### Land Management

- District contractors conducted vegetative management mowing on 20 acres on the Jones Mill Creek tract.
- District Staff completed Dixie Plantation Conservation Easement inspection.
- Bill McKinstry and Edwin McCook along with Suwannee River Wilderness Trail managers toured staff from US Fish and Wildlife Service showing them the Woods Ferry and Holton Creek River Camps.
- District timber harvesting contractor completed the Withlacoochee #2 timber harvest.

### Resource Management

- Warren Zwanka and Chrissy Carr attended the FDEP-WMD-Florida Groundwater Association (FGWA) quarterly meeting and the FGWA business meeting in Safety Harbor.

### Water Resources

- Tom Mirti, Connie Woodward, Fay Baird, and Katelyn Potter had a coordination call with John Schmidt at the National Weather Service Southeast River Forecast Center to review flood forecast modeling in anticipation of potential tropical activity in the District.

### Minimum Flows and Minimum Water Levels

- No reporting activity.

**Water Supply**

- Amy Brown attended Modflow training at SJRWMD.

**Hydrological Data**

- No reporting activity.

**Agriculture and Environmental Projects**

- Patrick Webster, Kris Eskelin, and Justin Garland met with representatives from the City of Alachua to discuss potential projects in the Oaks of Hague.
- Patrick Webster and Kevin Flavin met with Ted Rice and staff of Eisman and Russo, engineers for the CR229 LAP project, for a progress meeting in the field.
- Patrick Webster, Bob Heeke, Kris Eskelin, Justin Garland, Kevin Flavin, and Ben Glass met with representatives from Gilchrist County and from North Florida Professional Services to discuss and review RIVER project applications.
- Patrick Webster met with Van Humphries about DOT mitigation.
- Ben Glass presented District Agricultural Cost-share opportunities to the Hamilton County Peanut Field Day event.

**Communications**

- No reporting activity.

**Announcements for the week of September 16 - 22.**

- Taylor County PILT presentation is scheduled for September 18th.



## Weekly Activity Report to Governing Board for September 9 - 15, 2018

### Executive / Management

- Hugh Thomas and Darrell Smith attended the Lafayette County Farm Bureau Annual Meeting at the Lafayette Community Center.

### Legislative and Community Affairs

- Hugh Thomas and Tom Mirti, with Katie Kelly attending, presented the Dixie County PILT check as well as a Hydrological Condition Report to the Dixie County Board of County Commissioners.

### Finance

- No reporting activity.

### Land Management

- District contractors conducted vegetative management, mowing 20 acres on Jones Mill Creek tract.
- District Staff completed Dixie Plantation Conservation Easement inspection.
- Bill McKinstry and Edwin McCook along with Suwannee River Wilderness Trail managers toured with staff from US Fish and Wildlife Service the Woods Ferry and Holton Creek River Camps.
- District timber harvesting contractor completed the Withlacoochee #2 timber harvest.

### Resource Management

- No reporting activity.

### Water Resources

- Fay Baird met with the Lakewood Homeowners Association in Bradford County to establish a water level monitoring station.

### Minimum Flows and Minimum Water Levels

- John Good, Amy Brown, David Christian, and Trey Grubbs participated in a web meeting with staff at the St. Johns River Water Management District regarding the North Florida-Southeast Georgia (NFSEG) regional groundwater flow model.

### Water Supply

- Amy Brown and Kevin Flavin participated in a meeting with Chemours to discuss the Trail Ridge West Levee ERP modification.

- Amy Brown, Darlene Velez, Marc Minno, and Justin Garland participated on a quarterly update call with Balmoral and FDACS on the Florida Statewide Agricultural Irrigation Demand model.

### **Hydrological Data**

- No reporting activity.

### **Agriculture and Environmental Projects**

- Justin Garland, Darlene Saindon-Velez, Kevin Jones, and Dale Staats performed final water quality sampling at the Convict Springs Water Quality Improvement Project. The first phase of this project is now operational.

### **Communications**

- District staff participated in the UF/IFAS Agricultural Awareness and Conservation seminar at the Live Oak Research farm.

### **Announcements for the week of September 23 – 29.**

- The District will hold a Governing Board Meeting, Final Public Hearing of the Fiscal Year 2019 Millage and Budget on September 25<sup>th</sup> at the District Office beginning at 3:00 p.m.