



# South Indian River Water Control District™

*Established 1923*

November 17, 2016 – 7:00 p.m.  
Jupiter High School – Media Room  
500 N. Military Trail, Jupiter, FL 33458

## **BOARD OF SUPERVISORS MEETING AGENDA**

1. Pledge of Allegiance
2. Ratification of Election Results
  - A. Swearing in of Elected Board Members
3. Election of Officers
4. Appointments
5. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
6. Landowners' Items Not on the Agenda
7. Public Information Report
8. Treasurer's Report
9. Manager of Operations' Report
10. Engineer's Report
  - A. Jupiter Farms Shopping Center Equestrian Bridge
11. Attorney's Report
12. Old Business
13. New Business
  - A. Proposed Policy for Paved Roads
14. Adjourn



**DICK GRUENWALD  
ASSOCIATES, LLC**

Nov. 17, 2016

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report November 2016**

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Annual Landowners meeting (*Sept. 15*) release
- ❖ Monthly meeting (*Nov. 17*) release

The following items were updated on the website:

- ❖ Update Election information with results
- ❖ Landowner Voting Proxy
- ❖ Revised SIRWCD and PBC culvert information page and PDF forms
- ❖ 2016-17 Approved Budget
- ❖ Archive 2015-16 Fiscal Year Annual Reports/Agendas – Manager of Operations, Engineer, Treasurer
- ❖ Archive 2015-16 Fiscal Year Meeting Minutes
- ❖ Monthly Meeting (*June 30*) minutes
- ❖ Hurricane Matthew storm information
- ❖ Fiscal 2016-17 Board meeting date information
- ❖ Andy Billy 15 year award presentation
- ❖ Insurance Rebate check story and photo
- ❖ Nov. 17 Meeting Agenda and Staff Reports including proposed Policy for Paved Roads information

Attended Annual Landowners Meeting (*Sept. 15*) and Staff Meetings (*Oct. 10, Nov. 7*).

Attended and photographed Andy Billy's 15<sup>th</sup> year award presentation.

The "Welcome to the District" letter for new landowners will be forwarded for the Board to review and approve.

We have begun work on the Annual newsletter to include the MOP and Engineers Annual Reports, Budget information, Policy updates, Election results, Andy Billy award, new equipment and more.

The District office and staff are reviewing the District's Policy & Procedures Manual with a target date of Dec. 15 to get back initial review comments. Met with Mr. Meyer to discuss and advise on progress.

We have worked with staff on state statute-required changes for the website for implementation that went into effect Oct. 1, 2016.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of November 2016  
CC: Staff  
Date: November 17, 2016

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### **Routine Business**

1. The District received its first assessment distribution from the Palm Beach County Tax Collector on November 7, 2016, totaling \$154,831.83.
2. We continue to work on the year end close in preparation of the audits commencement in January.
3. One of the requirements under our financing agreements is to provide the lender with certain continuing disclosures. In September we complied with a Regions Bank requirement by sending them a report (in Excel) on the assessment collection and land use profile of the District for the past fiscal year. That report is attached. Of note is that there were 7,299 parcels assessed with 7,093 (97.18%) collected within the legal time period. There were 180 (2.47%) parcels which were collected subsequently mostly through the sale of tax certificates and there were 26 (.36%) that were uncollected. While the uncollected parcels were higher than historical, it is still not alarming. When we drill down on the uncollected parcels, 7 of them are water management and other infrastructure tracts within the Jupiter Farms Community Shopping Center.
4. Please see the attached memo concerning establishing a Board policy accepting prepayments of debt assessments.
5. Continuing our practice of prior years we are not including budget to actual statements in this report. Since the October transactions are largely items accrued in our prior year report, the budget reflects only minor expenditures. We will provide the Board with these statements through November at the next meeting.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements. (sent under separate cover).



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Policy on accepting debt assessment prepayments.  
CC: Staff  
Date: November 17, 2016

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Chapter 298 provides that a landowner may prepay a new capital assessment prior to the financing of the improvements.

For many years the District's practice was to not accept prepayment of these assessments once the initial period had been passed and the financing secured. This changed with the original financing of the PBCE Water Distribution System in 2006 because a special series of bonds was created (the Series B bonds) for the financing of the Town Of Jupiter's (TOJ) requirement that 50% of the reserved connection fees be paid in advance. That agreement also provided that SIRWCD would be reimbursed by the TOJ for each connection made. The Series B bonds allowed for their prepayment with no penalty so that the reimbursements could be aggregated and used to pay down this debt. Because of this feature it made sense that should a landowner wish to prepay the assessment, we could accept it and add it to those funds received from the TOJ. This would increase the amount of bonds that could be called thereby benefiting all of the parcels in the in PBCE. The amount of the prepayment required would be the prorated unpaid principal on the parcel.

The other financings of the District also have a provision for allowing prepayment of a portion of the debt. However, the amount required for the prepayment is the total debt service (i.e. the unpaid principal plus the annual interest required to maturity). Thus a prepayment of this type is not a good financial choice, and was a rare occurrence.

In recent years, when there was a buyers' market in Real Estate, many buyers began requiring the seller to pay off all debt assessments. Since we had been accepting prepayments for the Series B bonds we began accepting prepayments of other debt on a parcel.

The incidence of these transactions has been increasing requiring office staff and Treasurer's time (frequently on an expedited basis). Once the prepayment is accepted new codes have to be added to the assessment roll and revisions must be made to the underlying fund budget.

Since these transactions are essentially between the buyer and the seller these they can be handled by making an adjustment on the closing statement without the District's involvement.

If the Board were to establish a policy whereby the District would not be accepting prepayments (after the initial period required by Chapter 298), we would continue to provide the relevant information as requested. That information would be on a per parcel basis: the outstanding principal, the remaining debt service, the remaining term and the estimated annual assessment for the remaining term. Most of this information is already prepared annually for the office staff.

Should this policy be adopted, we could inform the landowners of the change via the newsletter and the District's website.

# South Indian River Water Control District

Analysis of assessment collections for FYE 09-30-2016

	Palm Beach Country Estates	Egret Landing	Jupiter Commerce Park	Jupiter Farms	District - wide	District-wide Percentages
Number of parcels Assessed <sup>(1)</sup>	1546	666	79	5008	7299	
Number of parcels where assessments were timely collected.	1505	661	75	4852	7093	97.18%
Number of parcels where assessments were received after the collection period	40	4	4	132	180	2.47%
Delinquent Parcels- no collections	1	1		24	26	0.36%
Total parcels assessed	1546	666	79	5008	7299	100%
Percent timely collected	97.35%	99.25%	94.94%	96.88%	97.18%	
Percent delinquent	2.59%	0.60%	5.06%	2.64%	2.47%	
Percent Uncollected	0.06%	0.15%	0.00%	0.48%	0.36%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

<sup>(1)</sup> Parcel count from 2015 Assessment Roll

## South Indian River Water Control District

Assessments received to 09-2016

Fund #	Debt Issue	Regions Loan #	Actual assessments collected to 09-01-2016	Less: discounts net of interest on assessments	Net assessments received	Budgeted net assessments	Variance
255	2007 OGEM Road	9001	248,966	(8,471)	240,495	240,000	495
260	2009 Hookup Financing Program	9073	231,169	(7,700)	223,469	220,800	2,669
265	2011 Road Improvement Note	4968	179,302	(6,031)	173,271	173,760	(489)
229	2011 Egret Landing Refunding	0260	609,140	(22,200)	586,940	585,600	1,340
266	2013-17th POI Note	5825	77,846	(2,799)	75,047	75,840	(793)

# SOUTH INDIAN RIVER WATER CONTROL DISTRICT

## Property Values to Outstanding Loans

September 2016

Program	Holder	Loan Number	Nbr of Parcels	Property Values			Loan Balance 09-2016	Loan to Appraised Value Multiple
				Appraised Value	Taxable Value	New Construction		
District Totals <sup>(1)</sup>			7399	1,845,506,174	1,531,097,425	14,549,639	21,001,608	88
Water Control East Basin			2291	725,657,805	626,114,502	1,891,369		
Water Control West Basin			5108	1,119,848,369	904,982,923	12,658,270		
2007 Road Improvement Series A,B&C	Regions	9001	646	156,545,694	127,019,840	990,372	2,074,269	75
2009 Hookup Financing	Regions	9073	556	141,849,483	114,166,343	304,570	1,415,442	100
2011 Road Improvement Plan	Regions	4968	241	58,409,307	48,624,639	232,066	1,369,760	43
2011 Egret Landing Refunding	Regions	0260	666	235,633,765	205,092,976	77,260	562,720	419
2013 Road Improvement Plan	Regions	5825	68	18,854,214	16,203,214	421,318	537,040	35
2016 Road Improvement Plan	Regions	3205	169	41,422,882	34,796,433	365,932	1,500,000	28

<sup>(1)</sup> Parcel count from 2016 Assessment Roll



**South Indian River Water Control District**  
**Appraisal Values and Land Use from 2016 Assessment Roll**

Program	Nbr of Parcels <sup>(1)</sup>	Property Values			Land Use		
		Appraised Value	Taxable Value	New Construction	Single Family Residential	Vacant	Other
District Totals	7399	1,845,506,174	1,531,097,425	14,549,639	88%	10%	2%
Water Control East	2291	725,657,805	626,114,502	1,891,369	91%	6%	3%
Water Control West	5108	1,119,848,369	904,982,923	12,658,270	86%	11%	3%
2007 Road Improvement Series A,B&C	646	156,545,694	127,019,840	990,372	87%	11%	2%
2009 Hookup Financing	556	141,849,483	114,166,343	304,570	91%	6%	2%
2011 Road Improvement Plan 16A & 16B	241	58,409,307	48,624,639	232,066	93%	6%	1%
2011 Egret Landing Refunding	666	235,633,765	205,092,976	77,260	0%	0%	100%
2013 Road Improvement Plan	68	18,854,214	16,203,214	421,318	94%	6%	0%
2016 Road Improvement Plan	169	41,422,882	34,796,433	365,932	93%	6%	1%

<sup>(1)</sup>Assessible parcels only from 2016 Assessment Roll



# South Indian River Water Control District™

*Established 1923*

## MEMORANDUM

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for August 11, 2016 to November 9, 2016  
DATE: November 9, 2016

### ADMINISTRATIVE:

1. Attended Safety Council Board meeting.
2. Conducted monthly review of District canals with aquatic weed spray contractor.
3. Attended Loxahatchee River Management Coordinating Council meetings.
4. Attended Loxahatchee River Preservation Board meeting at Town of Jupiter EOC.
5. Received \$2,645.00 from Verizon for monthly cell tower lease.
6. Murray Logan completes culvert crossings at Canals 6 and 13, and at Canals 8 & 10.
7. On-site meetings and phone conversations with Landowners regarding drainage, road conditions and driveway culvert installations.
8. Attended Staff meetings.
9. Hired Jim Powell as Head Mechanic and Alan Watson as Level 2 Operator.
10. Operators, Matt Wood and Arie Raz, receive DOT medical certificates for CDL.
11. Numerous conference calls with South Florida Water Management District regarding Hurricane Matthew.
12. Meeting with Aquagenix to review Palm Beach Country Estates roads.
13. Received passing grade for Work Center storage tank inspections from Palm Beach County Environmental Resource.
14. DCR Engineering Services performed maintenance on District's water control structures.
15. Attended "Meet the Candidates" night at Jupiter Farms Community Center.
16. Meeting with contractors to receive quotes for pressure cleaning services at Berman Park.

*A Florida Special District*

15600 Jupiter Farms Road • Jupiter, Florida 33478-9399 • (561) 747-0550 • Fax (561) 747-9182  
[www.sirwcd.org](http://www.sirwcd.org) • [sirwcd@sirwcd.org](mailto:sirwcd@sirwcd.org)

MEMORANDUM

To: Board of Supervisors  
Date: November 9, 2016  
Page 2


17. Discussions with District Engineer regarding multiple landowner culverts in District swales.
18. Attended Florida Association of Special Districts membership meeting in Jupiter.
19. Received reimbursement check for \$1,100 from PGIT's Matching Incentive Safety Program.
20. Meetings with contractors to discuss security cameras at Berman Park.
21. Meeting with Sixberry Locksmith to discuss installation of security code locks for District office.
22. Selected to the Safety Council Annual Awards Committee Board of Supervisors.

**WATER CONTROL**

1. Mowers continue routine maintenance throughout the District.
2. Received 14.29 inches of rain this reporting period.
3. Prepped swales for five culvert installations, inspected eleven culverts and District crews installed 44 driveway culverts.
4. Terra Tech continues canal spraying for aquatic weed control.
5. Crews continue to replace District drainage culverts at various locations.
6. Drainage swales continue to be re-contoured throughout the District.
7. Submitted two projects for 2018 Loxahatchee River Preservation Initiative funding.
8. Crews are clearing drainage outfalls in Palm Beach Country Estates.

**ROAD MAINTENANCE**

1. Road easements continue to be re-contoured and resurfaced with shell rock.
2. Lake Pointe Restoration hauled 472 tons of shell mix to the District Work Center and 408 tons to Palm Beach Country Estates.
3. Meeting with North Florida Emulsions to review existing OGEM roads for 2017 maintenance.
4. Pre-construction meeting with District Engineer and Hardrives, Inc. to review the 18<sup>th</sup> Plan of Improvements.
5. Notice of ballot signs were posted for the 19<sup>th</sup> Plan Referendum.
6. Hardrives, Inc begins construction of the 18<sup>th</sup> Plan of Improvements paving project.

  
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Michael A. Dillon  
Manager of Operations

To South Indian River Water Control District  
Board of Supervisors Pages 3

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CC

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Subject Engineer's Report for October/November 2016

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From Amy E. Eason, PE, District Engineer

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Board Meeting  
Date November 17, 2016

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The following is a summary of activities and communications that were of significance during the months of October and November. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

- A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed February 6, 2015 with the request that the landowners submit their response to the District by March 12, 2015. On March 26, 2015, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners who voted on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 3.8 miles):

- 64<sup>th</sup> Way N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 68<sup>th</sup> Drive N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 74<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 75<sup>th</sup> Way N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 77<sup>th</sup> Trail N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 81<sup>st</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 149<sup>th</sup> Place between 69<sup>th</sup> Drive N. and 64<sup>th</sup> Way N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. to East End

At the May 2015 meeting, staff was directed to prepare the 18<sup>th</sup> Plan of Improvement. The public hearing for the Plan of Improvement was held on August 20, 2015. Staff was then directed to prepare the Engineer's Report. The public hearing for the Engineer's Report was held at the October 15, 2015 meeting. At the October 15, 2015 meeting, staff was directed to begin survey and design services for the approved 18<sup>th</sup> Plan of Improvement.

On May 20, 2016, an advertisement for bid on the project was published in the Palm Beach Post. Potential bidders picked up bid documents on May 27, 2016 with bids due on June 27, 2016.

**After negotiating with the lower bidder, Hardrives, Inc, contract documents were executed and a notice to proceed was issued for October 1, 2016. Construction has started and staff is prepared to update the board at this month's meeting.**

- B. Staff has received requests for petitions from landowners for roadway improvement projects. Currently, the District has received petitions that have met the current policy of obtaining signatures from the majority (50% plus 1) of the landowners within the project area to apply asphalt on certain roadways within the District.

Pursuant to Board direction, staff is preparing a referendum for the landowner proposed project. The landowners on the following roadways petitioned to distribute a referendum for asphalt (approximately 3.6 miles):

- 70<sup>th</sup> Trail N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 76<sup>th</sup> Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 93<sup>rd</sup> Lane N. between 155<sup>th</sup> Road N. and 159<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 81<sup>st</sup> Terrace N.
- 159<sup>th</sup> Court N. between 79<sup>th</sup> Terrace N. and 84<sup>th</sup> Avenue N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 79<sup>th</sup> Terrace N.
- 160<sup>th</sup> Street N. between 72<sup>nd</sup> Drive N. and 75<sup>th</sup> Avenue N. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End
- 179<sup>th</sup> Court N. between Mellen Lane N. and Alexander Run

**Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project which was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016. Staff is prepared to discuss at this board's meeting.**

## II. OPERATION AND MAINTENANCE

- A. **The National Pollutant Discharge Elimination System (NPDES) Steering Committee met on September 21, 2016 and October 19, 2016 to discuss the budget report, the sixth (6<sup>th</sup>) year annual reports of the program, the Reasonable Assurance Plan (RAP) for the Loxahatchee River, storm events sampling cost, and the Federal Emergency Management Agency (FEMA) Map Implementation Schedule. The next meeting is scheduled for November 16, 2016.**
- B. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers and South Florida Water Management District to clarify the operational protocols of South Indian River Water Management District. Efforts on the sub team include confirming assumptions in the model and aiding in the planning effort.

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce the number of projects that will undergo further analysis. A subsequent meeting was

held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

**Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District.**

- C. Staff attended the Loxahatchee River Management Coordinating Council meeting on March 28, 2016. The Florida Department of Environmental Protection (FDEP) presented possible TMDLs within certain water body identification (WBID) areas and the process of a Reasonable Assurance plan in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs. As a result of this meeting, at the June 27, 2016 meeting, the council discussed plans to move forward with a Reasonable Assurance (RA) plan with the assistance of FDEP. **Meetings have been held monthly to discuss the RA plan. The last meetings were September 26, 2016 and October 24, 2016 to discuss the basin delineations, water quality, and a draft RA plan.**
- D. **Staff attended a meeting on October 19, 2016 with the Jupiter Farms Shopping Center Property Owner's Association (POA) and a representative of the Calvary Chapel Church of Jupiter. The meeting was held due to an item shown on their site plan concerning an equestrian access across Canal 1. The POA requested guidance from SIRWCD on this item. Staff will be prepared to update the board on this item at this month's meeting.**
- E. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- F. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- G. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.

## **Preamble to Road Paving Policy**

After completing the 18th Plan of Improvement and working on the 19th Plan of Improvement, I have come to the conclusion that these Plans of Improvements are taking too much Staff time and Board Meeting time. Our District needs to refocus on water control especially our secondary water control system. As time progresses, we need to ensure our quality of surface water runoff remains in the acceptable levels as it has in the past. We need to stop spending so much energy and time concerning whether a dirt road gets paved or it remains a dirt road.

Under the proposed policy, all funds to cover the costs will be required prior to paving and landowners not wanting the improvement are not required nor can be forced to pay for the improvement. There are other Special Districts that use this policy for paving.

Steve Hinkle

# **SIRWCD - Enhanced Stabilization (Paving) Policy**

## **I. PURPOSE**

To create a systematic procedure for South Indian River Water Control District's Landowners to apply for road surface upgrades on "District Roads" (no more than ½ mile in length).

## **II. PROCEDURE**

The South Indian River Water Control District Board of Supervisors hereby establishes the following:

1. A simple majority or more of the property owners must agree to have the road paved.
2. No roadway will be considered for paving unless the drainage swales and road base are considered suitable for paving by the District's Operations Manager and Engineer.
3. Paving shall be in accordance with the design and specifications approved by the District Engineer.
4. Should a roadway need additional work, the owners may:
  - a. Pay the additional costs of these improvements in addition to the paving.
  - b. Wait until the roadway has been completed as part of the District's road operations and maintenance program approved by the Board of Supervisors.
5. The Board of Supervisors approves the Petition after Staff review.
6. The District shall receive 100% of the cost of paving (grading, asphalt, spreading, rolling, etc.) in advance of the work being undertaken.

## **III. ADDITIONAL CONSIDERATIONS**

1. The District shall consider no more than five (5) petitions for paving within a Fiscal Year. This limitation is imposed based on current Staffing and workload considerations. Additionally, petitions may not be considered until the following Fiscal Year due to work schedules.
2. There will be no financing from the District.
3. Petitions are only for one road.
4. The funds will be held in escrow in a noninterest bearing account until all costs are collected. If all funds are not collected within a year of approval, funds will be returned less administrative/staff fees incurred by the District.
5. Those landowners who do not want the improvement are not required nor can be forced to provide funds.
6. District Roads do not qualify for traffic calming devices after paving.
7. Paving a road does not abandon or reduce the annual road maintenance assessment on landowner's Non Ad Valorem taxes.





# South Indian River Water Control District™

*Established 1923*

December 15, 2016 – 7:00 p.m.  
District Work Center  
15600 Jupiter Farms Rd, Jupiter, FL 33478

## **BOARD OF SUPERVISORS WORKSHOP AGENDA**

1. Pledge of Allegiance
2. Discuss Florida's Public Records and Open Meeting Laws and Ethical Considerations for Supervisors
3. Adjourn



# South Indian River Water Control District™

*Established 1923*

January 26, 2017 – 7:00 p.m.  
Jupiter High School – Media Suite  
500 N. Military Trail, Jupiter, FL 33458

## **PUBLIC HEARING AGENDA**

1. Pledge of Allegiance
2. Presentation of New Proposed Road Paving Policy
3. Comments from Landowners
4. Adjourn

## **BOARD OF SUPERVISOR MEETING AGENDA**

1. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
2. Public Information Report
3. Treasurer's Report
4. Manager of Operations Report
5. Engineer's Report
6. Attorney's Report
7. Old business
  - A. Equestrian Bridge
8. New Business
9. Landowners' Items
10. Adjourn



**DICK GRUENWALD  
ASSOCIATES, LLC**

Jan. 26, 2017

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report- January 2017**

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Ethics workshop (*Dec. 15, 2016*) release
- ❖ Monthly Meeting/Public Hearing (*Jan. 26, 2017*) release

The following items were updated on the website:

- ❖ Monthly Meeting (*Aug. 18, Sept. 15*) minutes
- ❖ Meeting and workshop updates
- ❖ New equipment boom mower story
- ❖ Temporary bio for Michel Howard
- ❖ Dec. workshop agenda
- ❖ Jan. 26 Meeting Agenda and Staff Reports

Attended Ethics Workshop (*Dec. 15*), *Staff Meeting (Jan. 19)*

Ordered name plates and arranged photographer contact for new supervisor Michael Howard.

The “Welcome to the District” letter was printed and mailed to 540 new landowners in December.

The Annual newsletter was printed and mailed to all landowners and included the MOP and Engineers Annual Reports, Budget information, Policy updates, Election results, Andy Billy award, new equipment and included information on the Jan. 26 public hearing notice.

The 26th Annual Landowners Family Day is scheduled for March 18 from 11:30 am – 2:30 pm. The Tom Jackson Band has been secured and we are in the process of getting quotes from the vendors and securing exhibitors for the event.

The District office and staff are reviewing and updating the District’s Policy & Procedures Manual. Comments received to date are being incorporated into the master document.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of December 2016  
CC: Staff  
Date: January 26, 2017

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### **Routine Business**

1. The District received a total of \$4,507,913 in current assessments receipts from the Palm Beach County Tax Collector through December 31, 2016.
2. We continue to work on the year end close in preparation of the audits commencement.
3. The Board was sent (under separate cover) the list of disbursements.
4. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

No Items

## South Indian River Water Control District

### Statement of Revenues and Expenditures

From 10/01/2016 to 12/31/2016

*All Governmental Funds  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	4,220,952	4,283,673	62,721
Rents & Contracted Service Income	-	170	170
Investment Income	819	-	(819)
Other Income	12,000	12,750	750
Total Revenue:	4,233,771	4,296,593	62,822
<b>Expenditures:</b>			
Contracted Services	171,025	67,418	103,607
Operating Expense	485,950	340,942	145,008
Office & Landowner Expense	80	-	80
Capital Outlay	229,000	8,015	220,985
Other Debt Service	7,805	148,238	(140,433)
Total Expenditures:	893,860	564,613	329,247
<b>Transfers, Financing &amp; Capital Outlays</b>			
Transfers in	299,500	-	(299,500)
Transfers out	-	(85,250)	(85,250)
Debt Proceeds			
Debt Redemption			
Financings-Net	-	-	-
Total Transfers, Financing & Capital Outlays	299,500	(85,250)	(384,750)
Total Expenditures & Other Financing	594,360	649,863	713,997
Excess (Deficit) Revenues over (under) Expenditures and Other Financing Sources (Uses)	3,639,411	3,646,730	(7,319)
Beginning Fund Balance		6,465,745	
Ending Fund Balance		10,112,475	

# South Indian River Water Control District

## Statement of Revenues and Expenditures

From 10/01/2016 to 12/31/2016

*Special Revenue Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	1,946,450	2,012,921	66,471
Rents & Contracted Service Income	-	170	170
Investment Income	525	-	(525)
Other Income	12,000	12,750	750
<b>Total Revenue:</b>	<b>1,958,975</b>	<b>2,025,841</b>	<b>66,866</b>
<b>Expenditures:</b>			
Contracted Services	171,025	67,418	103,607
Operating Expense	485,950	340,942	145,008
Office & Landowner Expense	80	-	80
<b>Total Expenditures:</b>	<b>657,055</b>	<b>408,360</b>	<b>248,695</b>
<b>Transfers, Financing &amp; Capital Outlays</b>			
Transfers out	(85,250)	(85,250)	-
<b>Total Transfers, Financing &amp; Capital Outlays</b>	<b>(85,250)</b>	<b>(85,250)</b>	<b>-</b>
<b>Total Expenditures &amp; Other Financing</b>	<b>742,305</b>	<b>493,610</b>	<b>248,695</b>
<b>Excess (Deficit) Revenues over (under) Expenditures &amp; Other Financing Sources (Uses)</b>	<b>1,216,670</b>	<b>1,532,231</b>	<b>315,561</b>
Beginning Fund Balance		1,759,305	
<b>Ending Fund Balance</b>		<b>3,291,536</b>	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 12/31/2016

*Debt Service Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	2,274,502	2,270,752	(3,750)
Investment Income	94	-	(94)
Other Income	-	-	-
Total Revenue:	2,274,596	2,270,752	(3,844)
<b>Expenditures:</b>			
Principal Paid	-	-	-
Interest Paid	-	-	-
Other Debt Service	7,805	148,238	(140,433)
Total Expenditures:	7,805	148,238	(140,433)
Excess (Deficit) Revenues over (under) Expenditures	2,266,791	2,122,514	(144,277)
Beginning Fund Balance		2,013,775	
Ending Fund Balance		4,136,289	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 12/31/2016

*Capital Projects Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Investment Income	200	-	(200)
Total Revenue:	200	-	(200)
Expenditures:			
Capital Outlay	229,000	8,015	220,985
Total Expenditures:	229,000	8,015	220,985
Transfers, Financing & Capital Outlays			
Transfers in	299,500	-	(299,500)
Total Transfers, Financing & Capital Outlays	299,500	-	(299,500)
Excess (Deficit) Revenues over (under) Expenditures	70,700	(8,015)	(78,715)
Beginning Fund Balance		2,692,665	
Ending Fund Balance		2,684,650	



South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 12/31/2016

*Internal Service (Maintenance) Fund  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Charges for Services	453,750	321,948	(131,802)
Rents & Contracted Service Income	13,500	15,935	2,435
Investment Income	-	-	-
Other Income	-	10,318	10,318
<b>Total Revenue:</b>	467,250	348,201	(119,049)
<b>Expenditures:</b>			
Personal Services	260,050	265,395	(5,345)
Contracted Services	48,000	19,518	28,482
Operating Expense	108,850	48,656	60,194
Office & Landowner Expense	6,400	4,488	1,912
Insurance	11,100	10,144	956
<b>Total Expenditures:</b>	434,400	348,201	86,199
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlays	-		(202,552)
Transfers out	129,000	-	129,000
<b>Total Transfers, Financing &amp; Capital Outlays</b>	129,000	-	(73,552)
<b>Excess (Deficit) Revenues over (under) Expenditures &amp; Transfers</b>	(96,150)	-	(106,402)
<b>Beginning Fund Balance</b>		-	
<b>Ending Fund Balance</b>		-	



# South Indian River Water Control District™

*Established 1923*

## MEMORANDUM

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for November 10, 2016 to January 19, 2017  
DATE: January 19, 2017

### ADMINISTRATIVE:

1. Attended Safety Council Board meeting.
2. Conducted monthly review of District canals with aquatic weed spray contractor.
3. On-site meetings and phone conversations with Landowners regarding drainage, road conditions, and driveway culvert installations.
4. Attended Staff meeting.
5. Hired Alan Watson and Ryan Reeves as Level 2 Operators.
6. Operator Dave Duckett resigns from District . . . again☺
7. Operator Matt Wood promoted to Superintendent replacing Greg Gell.
8. Meeting with Contractors to receive quotes for Park maintenance.
9. Meetings with Contractors to discuss security cameras at Berman Park.
10. Received \$28,487.31 from Tax Collector for fees collected in excess of operating budget.
11. Conducted District Safety Meeting.
12. Attended Lorman Seminar regarding private access on public right-of-ways.
13. Received new 6110M John Deere Boom Mower to replace the 6420 Boom Mower.
14. Purchased used 500 gallon water tank and trailer for road and swale maintenance.
15. Purchased new Kubota U35-41RA mini excavator.
16. District wins First Place in the Equipment Category at the Annual Jupiter Farms Christmas Parade.

*A Florida Special District*

15600 Jupiter Farms Road • Jupiter, Florida 33478-9399 • (561) 747-0550 • Fax (561) 747-9182  
[www.sirwcd.org](http://www.sirwcd.org) • [sirwcd@sirwcd.org](mailto:sirwcd@sirwcd.org)

MEMORANDUM

To: Board of Supervisors

Date: January 19, 2017

Page 2

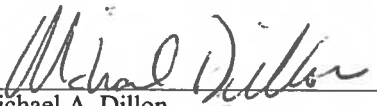
17. Fire extinguishers were inspected and serviced.
18. Meeting with District Engineer and Palm Beach County to review canal crossings along the Jupiter Farms Pathway.
19. Awarded contract for the installation of security cameras at Berman Park to Security Cameras of Palm Beach.
20. Meeting with Engineer, Karen Brandon, to review the 2015/16 NPDES Report.
21. Meeting with District Engineer to review 18<sup>th</sup> Plan of Improvements.
22. Numerous meetings with Hardrives regarding 18<sup>th</sup> Plan of Improvement roads.
23. Received \$2,645.00 from Verizon for monthly cell tower lease.

**WATER CONTROL**

1. Mowers continue routine maintenance throughout the District.
2. Received 1.81 inches of rain this reporting period.
3. Prepped swales for six culvert installations; inspected five culverts; and District crews installed 22 driveway culverts.
4. Terra Tech continues canal spraying for aquatic weed control.
5. Crews continue to replace District drainage culverts at various locations.
6. Drainage swales continue to be re-contoured throughout the District.
7. Crews continue to clear drainage outfalls in Palm Beach Country Estates.

**ROAD MAINTENANCE**

1. Road easements continue to be re-contoured and resurfaced with shell rock.
2. North Florida Emulsions begins Micro-Overlay on existing OGEM roads in Jupiter Farms.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

To South Indian River Water Control District  
Board of Supervisors Pages 3

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CC

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Subject Engineer's Report for January 2017

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From Amy E. Eason, PE, District Engineer

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Board Meeting  
Date January 26, 2017

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The following is a summary of activities and communications that were of significance during the month of January. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

- A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed February 6, 2015 with the request that the landowners submit their response to the District by March 12, 2015. On March 26, 2015, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners who voted on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 3.8 miles):

- 64<sup>th</sup> Way N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 68<sup>th</sup> Drive N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 74<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 75<sup>th</sup> Way N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 77<sup>th</sup> Trail N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 81<sup>st</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 149<sup>th</sup> Place between 69<sup>th</sup> Drive N. and 64<sup>th</sup> Way N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. to East End

At the May 2015 meeting, staff was directed to prepare the 18<sup>th</sup> Plan of Improvement. The public hearing for the Plan of Improvement was held on August 20, 2015. Staff was then directed to prepare the Engineer's Report. The public hearing for the Engineer's Report was held at the October 15, 2015 meeting. At the October 15, 2015 meeting, staff was directed to begin survey and design services for the approved 18<sup>th</sup> Plan of Improvement.

On May 20, 2016, an advertisement for bid on the project was published in the Palm Beach Post. Potential bidders picked up bid documents on May 27, 2016 with bids due on June 27, 2016.

After negotiating with the lower bidder, Hardrives, Inc, contract documents were executed and a notice to proceed was issued for October 1, 2016. Construction has started and staff is prepared to update the board at this month's meeting.

- B. Staff has received requests for petitions from landowners for roadway improvement projects. Currently, the District has received petitions that have met the current policy of obtaining signatures from the majority (50% plus 1) of the landowners within the project area to apply asphalt on certain roadways within the District.

Pursuant to Board direction, staff is preparing a referendum for the landowner proposed project. The landowners on the following roadways petitioned to distribute a referendum for asphalt (approximately 3.6 miles):

- 70<sup>th</sup> Trail N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 76<sup>th</sup> Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 93<sup>rd</sup> Lane N. between 155<sup>th</sup> Road N. and 159<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 81<sup>st</sup> Terrace N.
- 159<sup>th</sup> Court N. between 79<sup>th</sup> Terrace N. and 84<sup>th</sup> Avenue N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 79<sup>th</sup> Terrace N.
- 160<sup>th</sup> Street N. between 72<sup>nd</sup> Drive N. and 75<sup>th</sup> Avenue N. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End
- 179<sup>th</sup> Court N. between Mellen Lane N. and Alexander Run

Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project which was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016.

**Staff received the results from the Palm Beach County Supervisor of Election on December 14, 2016. Staff is prepared to discuss these results at this board's meeting and is prepared to request a motion to proceed with the 19<sup>th</sup> Plan of Improvements.**

## II. OPERATION AND MAINTENANCE

- A. **The National Pollutant Discharge Elimination System (NPDES) Steering Committee met on January 18, 2017. The subject of the meeting was on the Fiscal Year 2017 and 2018 budget. In addition, staff met to review the District's practices of monitoring illicit discharges and monitoring construction activities within the District.**
- B. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers and South Florida Water Management District to clarify the operational protocols of South Indian River Water Management District. Efforts on the sub team include confirming assumptions in the model and aiding in the planning effort.

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce



the number of projects that will undergo further analysis. A subsequent meeting was held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

**Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District.**

- C. Staff attended the Loxahatchee River Management Coordinating Council meeting on March 28, 2016. The Florida Department of Environmental Protection (FDEP) presented possible TMDLs within certain water body identification (WBID) areas and the process of a Reasonable Assurance plan in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs. As a result of this meeting, at the June 27, 2016 meeting, the council discussed plans to move forward with a Reasonable Assurance (RA) plan with the assistance of FDEP. Meetings have been held monthly to discuss the RA plan. The last meetings were September 26, 2016 and October 24, 2016 to discuss the basin delineations, water quality, and a draft RA plan. **A special meeting was held on December 2, 2016 to discuss the RA boundaries on the project. Staff attended to educate the committee on the drainage system of the District. The next meeting is planned for January 30, 2017.**
- D. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- E. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- F. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.



# South Indian River Water Control District™

*Established 1923*

## **BOARD OF SUPERVISORS MEETING**

February 16, 2017 – 7:00 p.m.  
Jupiter High School – Media Room  
500 N. Military Trail, Jupiter, FL 33458

## **BOARD MEETING AGENDA**

1. Pledge of Allegiance
2. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
3. Public Information Report
4. Treasurer's Report
5. Manager of Operations Report
6. Engineer's Report
  - A. 19<sup>th</sup> Plan Referendum
7. Attorney's Report
8. Old business
  - A. Proposed Road Paving Policy
9. New Business
10. Landowners' Items
11. Adjourn



**DICK GRUENWALD  
ASSOCIATES, LLC**

Feb. 16, 2017

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report- February 2017**

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (*Feb. 16*) release

The following items were updated on the website:

- ❖ Monthly Meeting (*Nov. 17, Dec. 15, 2016*) minutes
- ❖ Meeting updates
- ❖ Upload Annual Reports newsletter
- ❖ Upload proposed 19<sup>th</sup> Plan of Improvements petition results
- ❖ Feb. 16 Meeting Agenda and Staff Reports

Attended Monthly Meeting (*Jan. 26*), Staff Meeting (*Feb. 6*)

The 26th Annual Landowners Family Day is scheduled for March 18 from 11:30 am – 2:30 pm. The Tom Jackson Band has been secured and we continue getting quotes from the vendors and securing exhibitors for the event.

The next newsletter is in production which will include the invitation to Landowners Family Day.

The District office and staff are reviewing and updating the District's Policy & Procedures Manual. Comments received to date are being incorporated into the master document.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.





To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of January 2017  
CC: Staff  
Date: February 16, 2017

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### **Routine Business**

1. The District received a total of \$4,683,615 in current assessments receipts from the Palm Beach County Tax Collector through January 31, 2017.
2. We continue to work on the year end close in preparation of the audit commencement.
3. Following the Board's direction, we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements. (sent under separate cover).

## South Indian River Water Control District

### Statement of Revenues and Expenditures

From 10/01/2016 to 1/31/2017

*All Governmental Funds  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	4,414,920	4,452,769	37,849
Rents & Contracted Service Income	-	170	170
Investment Income	1,028	-	(1,028)
Other Income	12,000	34,278	22,278
Total Revenue:	4,427,948	4,487,217	59,269
<b>Expenditures:</b>			
Contracted Services	217,875	127,315	90,560
Operating Expense	638,400	443,636	194,764
Office & Landowner Expense	110	39	71
Capital Outlay	229,000	360,320	(131,320)
Other Debt Service	8,743	2,962	5,781
Total Expenditures:	1,094,128	1,067,643	26,485
<b>Transfers, Financing &amp; Capital Outlays</b>			
Transfers in	349,500	-	(349,500)
Transfers out	-	(85,250)	(85,250)
Debt Proceeds			
Debt Redemption			
Financings-Net	-	-	-
Total Transfers, Financing & Capital Outlays	349,500	(85,250)	(434,750)
Total Expenditures & Other Financing	744,628	1,152,893	461,235
Excess (Deficit) Revenues over (under) Expenditures and Other Financing Sources (Uses)	3,683,320	3,334,324	348,996
Beginning Fund Balance		6,465,745	
Ending Fund Balance		9,800,069	

South Indian River Water Control District

Statement of Revenues and Expenditures

From 10/01/2016 to 1/31/2017

*Special Revenue Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Assessments - Net	2,035,538	2,086,765	51,227
Rents & Contracted Service Income	-	170	170
Investment Income	700	-	(700)
Other Income	12,000	16,500	4,500
Total Revenue:	2,048,238	2,103,435	55,197
Expenditures:			
Contracted Services	217,875	127,315	90,560
Operating Expense	638,400	443,636	194,764
Office & Landowner Expense	110	39	71
Total Expenditures:	856,385	570,990	285,395
Transfers, Financing & Capital Outlays			
Transfers out	(85,250)	(85,250)	-
Total Transfers, Financing & Capital Outlays	(85,250)	(85,250)	-
Total Expenditures & Other Financing	941,635	656,240	285,395
Excess (Deficit) Revenues over (under) Expenditures & Other Financing Sources (Uses)	1,106,603	1,447,195	340,592
Beginning Fund Balance		1,759,305	
Ending Fund Balance		3,206,500	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 1/31/2017

*Debt Service Funds*  
*(In Whole Numbers)*

	<u>YTD Budget</u>	<u>Year to Date Actual</u>	<u>Budget Variance</u>
Revenue:			
Assessments - Net	2,379,382	2,366,004	(13,378)
Investment Income	128	-	(128)
Other Income	-	17,778	17,778
<b>Total Revenue:</b>	<b>2,379,510</b>	<b>2,383,782</b>	<b>4,272</b>
Expenditures:			
Principal Paid	-	-	-
Interest Paid	-	133,371	(133,371)
Other Debt Service	8,743	2,962	5,781
<b>Total Expenditures:</b>	<b>8,743</b>	<b>136,333</b>	<b>(127,590)</b>
<b>Excess (Deficit) Revenues over (under) Expenditures</b>	<b>2,370,767</b>	<b>2,247,449</b>	<b>(123,318)</b>
Beginning Fund Balance		2,013,775	
Ending Fund Balance		4,261,224	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 1/31/2017

*Capital Projects Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Investment Income	200	-	(200)
Total Revenue:	200	-	(200)
Expenditures:			
Capital Outlay	229,000	360,320	(131,320)
Total Expenditures:	229,000	360,320	(131,320)
Transfers, Financing & Capital Outlays			
Transfers in	349,500	-	(349,500)
Total Transfers, Financing & Capital Outlays	349,500	-	(349,500)
Excess (Deficit) Revenues over (under) Expenditures	120,700	(360,320)	(481,020)
Beginning Fund Balance		2,692,665	
Ending Fund Balance		2,332,345	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 1/31/2017

*Internal Service (Maintenance) Fund  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<hr/>			
Revenue:			
Charges for Services	605,000	411,282	(193,718)
Rents & Contracted Service Income	27,000	18,580	(8,420)
Investment Income	-	-	-
Other Income	-	10,875	10,875
Total Revenue:	<hr/> 632,000	<hr/> 440,737	<hr/> (191,263)
Expenditures:			
Personal Services	333,600	330,057	3,543
Contracted Services	67,700	30,870	36,830
Operating Expense	130,550	60,600	69,950
Office & Landowner Expense	7,950	5,615	2,335
Insurance	14,800	13,595	1,205
Total Expenditures:	<hr/> 554,600	<hr/> 440,737	<hr/> 113,863
Transfers, Financing & Capital Outlays			
Capital Outlays	-		(202,552)
Transfers out	179,000	-	179,000
Total Transfers, Financing & Capital Outlays	<hr/> 179,000	<hr/> -	<hr/> (23,552)
Excess (Deficit) Revenues over (under) Expenditures & Transfers	<hr/> (101,600)	<hr/> -	<hr/> (100,952)
Beginning Fund Balance		<hr/> -	
Ending Fund Balance		<hr/> -	



# South Indian River Water Control District™

*Established 1923*

## MEMORANDUM

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for January 20, 2017 through February 8, 2017  
DATE: February 8, 2017

### ADMINISTRATIVE:

1. Meeting with District Engineer to review Reynolds Ranch Development.
2. Conducted monthly review of District canals with aquatic weed spray contractor.
3. On-site meetings and phone conversations with Landowners regarding drainage, road conditions and driveway culvert installations.
4. Attended Staff meeting.
5. Attended Loxahatchee River Management Coordinating Council meeting.
6. Conducted District employee safety meeting which included an "Active Shooter" seminar presented by the Palm Beach County Sheriff's Department.
7. Employees met with AFLAC Insurance representative to review options.

### WATER CONTROL:

1. Mowers continue routine maintenance throughout the District.
2. Received .51 inches of rain this reporting period.
3. Inspected two culverts and installed eight driveway culverts.
4. Terra Tech continues canal spraying for aquatic weed control.
5. Crews continue to replace District drainage culverts at various locations.
6. Drainage swales continue to be re-contoured throughout the District.
7. Crews continue to clear drainage outfalls in Palm Beach Country Estates.

MEMORANDUM


To: Board of Supervisors

Date: February 8, 2017

Page 2

**ROAD MAINTENANCE:**

1. Road easements continue to be re-contoured and resurfaced with shell rock.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations



To South Indian River Water Control District  
Board of Supervisors Pages 3

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CC

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Subject Engineer's Report for February 2017

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From Amy E. Eason, PE, District Engineer

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Board Meeting  
Date February 16, 2017

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The following is a summary of activities and communications that were of significance during the month of February. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

- A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed February 6, 2015 with the request that the landowners submit their response to the District by March 12, 2015. On March 26, 2015, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners who voted on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 3.8 miles):

- 64<sup>th</sup> Way N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 68<sup>th</sup> Drive N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 74<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 75<sup>th</sup> Way N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 77<sup>th</sup> Trail N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 81<sup>st</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 149<sup>th</sup> Place between 69<sup>th</sup> Drive N. and 64<sup>th</sup> Way N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. to East End

At the May 2015 meeting, staff was directed to prepare the 18<sup>th</sup> Plan of Improvement. The public hearing for the Plan of Improvement was held on August 20, 2015. Staff was then directed to prepare the Engineer's Report. The public hearing for the Engineer's Report was held at the October 15, 2015 meeting. At the October 15, 2015 meeting, staff was directed to begin survey and design services for the approved 18<sup>th</sup> Plan of Improvement.

On May 20, 2016, an advertisement for bid on the project was published in the Palm Beach Post. Potential bidders picked up bid documents on May 27, 2016 with bids due on June 27, 2016.

After negotiating with the lower bidder, Hardrives, Inc, contract documents were executed and a notice to proceed was issued for October 1, 2016. Construction has started and staff is prepared to update the board at this month's meeting.

- B. Staff has received requests for petitions from landowners for roadway improvement projects. Currently, the District has received petitions that have met the current policy of obtaining signatures from the majority (50% plus 1) of the landowners within the project area to apply asphalt on certain roadways within the District.

Pursuant to Board direction, staff is preparing a referendum for the landowner proposed project. The landowners on the following roadways petitioned to distribute a referendum for asphalt (approximately 3.6 miles):

- 70<sup>th</sup> Trail N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 76<sup>th</sup> Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 93<sup>rd</sup> Lane N. between 155<sup>th</sup> Road N. and 159<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 81<sup>st</sup> Terrace N.
- 159<sup>th</sup> Court N. between 79<sup>th</sup> Terrace N. and 84<sup>th</sup> Avenue N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 79<sup>th</sup> Terrace N.
- 160<sup>th</sup> Street N. between 72<sup>nd</sup> Drive N. and 75<sup>th</sup> Avenue N. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End
- 179<sup>th</sup> Court N. between Mellen Lane N. and Alexander Run

Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project which was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016.

Staff received the results from the Palm Beach County Supervisor of Election on December 14, 2016. Staff is prepared to discuss these results at this board's meeting and is prepared to request a motion to proceed with the 19<sup>th</sup> Plan of Improvements.

## II. OPERATION AND MAINTENANCE

- A. The National Pollutant Discharge Elimination System (NPDES) Steering Committee met on January 18, 2017. The subject of the meeting was on the Fiscal Year 2017 and 2018 budget. In addition, staff met to review the District's practices of monitoring illicit discharges and monitoring construction activities within the District. **The next Steering Committee Meeting is scheduled for March 15, 2017.**
- B. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers (ACOE) and South Florida Water Management District (SFWMD) to clarify the operational protocols of South Indian River Water Management District. Efforts on the sub team include confirming assumptions in the model and aiding in the planning effort.

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce the number of projects that will undergo further analysis. A subsequent meeting was held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District. **SFWMD and the ACOE have been working on updating the model with the different scenarios and updating the cost estimates of proposed regional projects for the cost feasibility analysis. These updates are being prepared for the Project Implementation Report (PIR) as part of the ACOE process.**

- C. Staff attended the Loxahatchee River Management Coordinating Council meeting on March 28, 2016. The Florida Department of Environmental Protection (FDEP) presented possible TMDLs within certain water body identification (WBID) areas and the process of a Reasonable Assurance plan in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs. As a result of this meeting, at the June 27, 2016 meeting, the council discussed plans to move forward with a Reasonable Assurance (RA) plan with the assistance of FDEP. Meetings have been held monthly to discuss the RA plan. The last meetings were September 26, 2016 and October 24, 2016 to discuss the basin delineations, water quality, and a draft RA plan. A special meeting was held on December 2, 2016 to discuss the RA boundaries on the project. Staff attended to educate the committee on the drainage system of the District.

**Staff attended the January 30, 2017 meeting. This meeting discussed the WBID boundary changes, the water quality monitoring plan, and the status of the RA Plan.**

- D. **Staff also attended the Loxahatchee River Preservation Initiative meeting on February 6, 2017. This meeting discussed the project updates for the Fiscal Year 2018 Legislative Request and the Jupiter Farms Elementary Force Main Project Update.**
- E. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- F. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- G. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

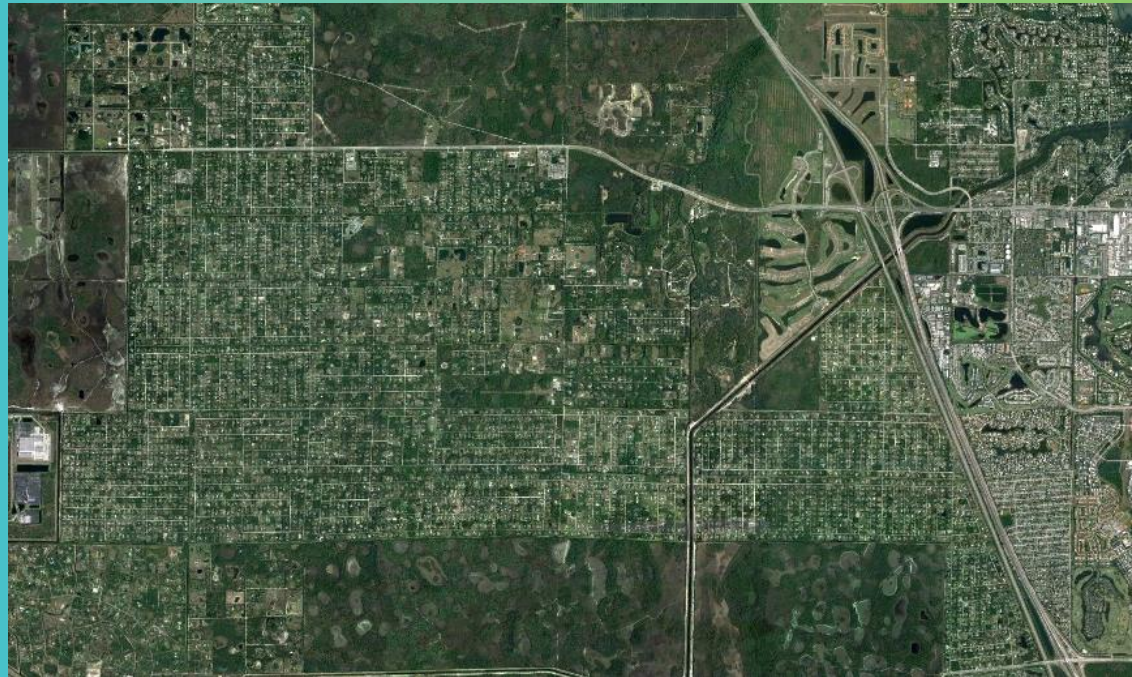
Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.

This presentation has been modified to illustrate the topics that were discussed at the board meeting. This presentation is intended to supplement discussion of board items and is not the approved agenda, staff report, or meeting minutes.

## ATTENTION AUDIENCE

- Tonight's meeting is a **BOARD MEETING**.
- The items that the Board is going to discuss are numbered on the **AGENDA**.
- If you would like to comment on any of the items, **PLEASE FILL OUT A COMMENT CARD AND CIRCLE THE ITEM IN WHICH YOU WOULD LIKE TO COMMENT ON.**
- **PUBLIC COMMENT** will be taken after Board discussion on items that require **BOARD ACTION**.
- Depending on the number of comment cards received, will determine the amount of time you are allowed speak.  
**The President will determine the time allowed to speak.**
- At **8:40 pm**, the meeting will end. We must be out of the space at **9:00 pm**
- **Thank you for your patience!**

# South Indian River Water Control District February Board of Supervisors Meeting



**February 16, 2017**

## Item 1: Pledge of Allegiance



## Item 2: Consent Agenda

- A. Approval of Minutes of Previous Meeting
- B. Approval of Warrant List

### **Board Discussion**

### **Motion from the Board**



## Item 3: Public Information Report



Presented by Donna J. DeNinno,  
District Public Information Officer

## Item 4: Treasurer's Report



Presented by Chuck Haas, Treasurer

## Item 5: Manager of Operations Report



Presented by Mike Dillon  
Manager of Operations

## Item 5: Manager of Operations Report



78<sup>th</sup> Drive North and 150<sup>th</sup> Court N  
Outfall into Canal E



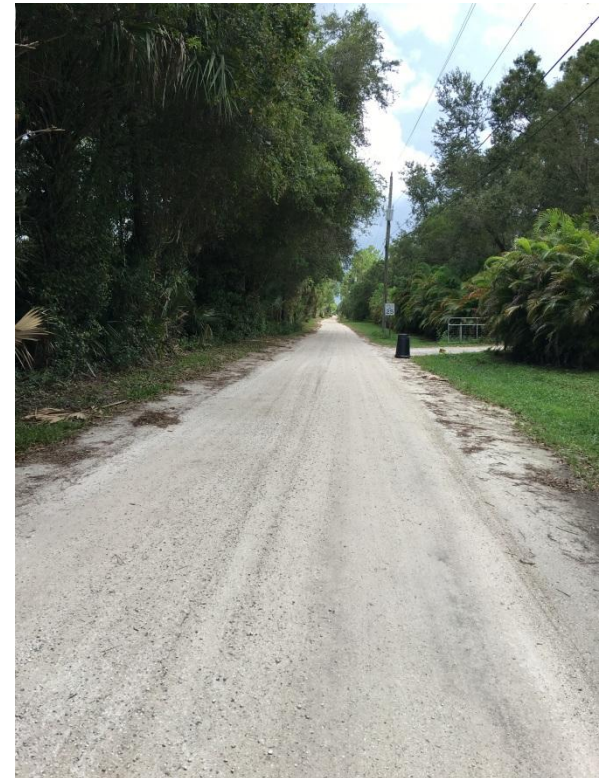
Mangled Dump Culvert

## Item 5: Manager of Operations Report



Canal 4 West of 110<sup>th</sup> Avenue North

## Item 5: Manager of Operations Report



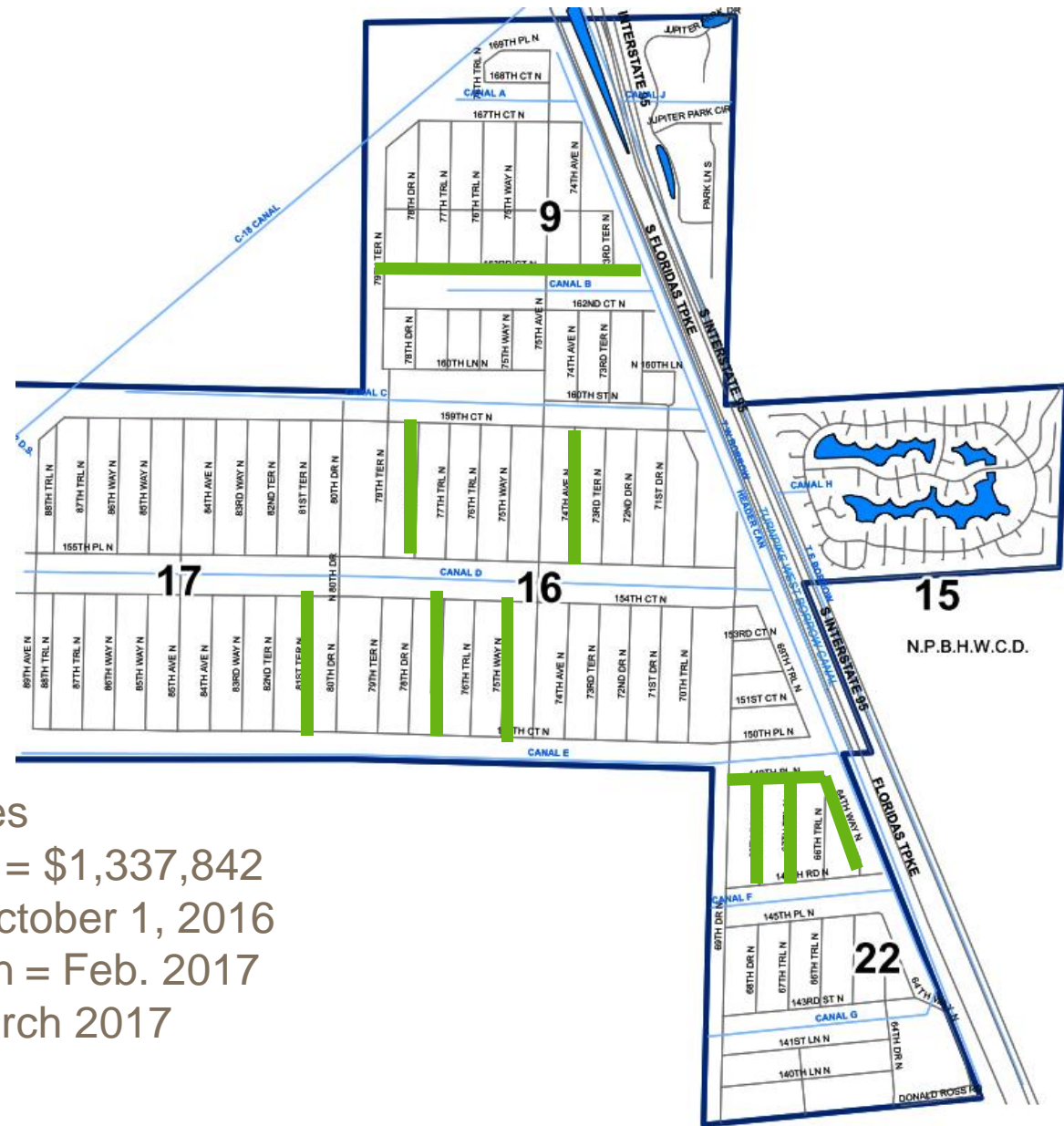
127<sup>th</sup> Drive North Ditch

## Item 6: Engineer's Report

Presented by Amy E. Eason, PE,  
District Engineer



# 18<sup>th</sup> Plan of Improvement



- Approximately 3.8 miles
- Total Contract Amount = \$1,337,842
- Notice to Proceed = October 1, 2016
- Substantial Completion = Feb. 2017
- Final Completion = March 2017

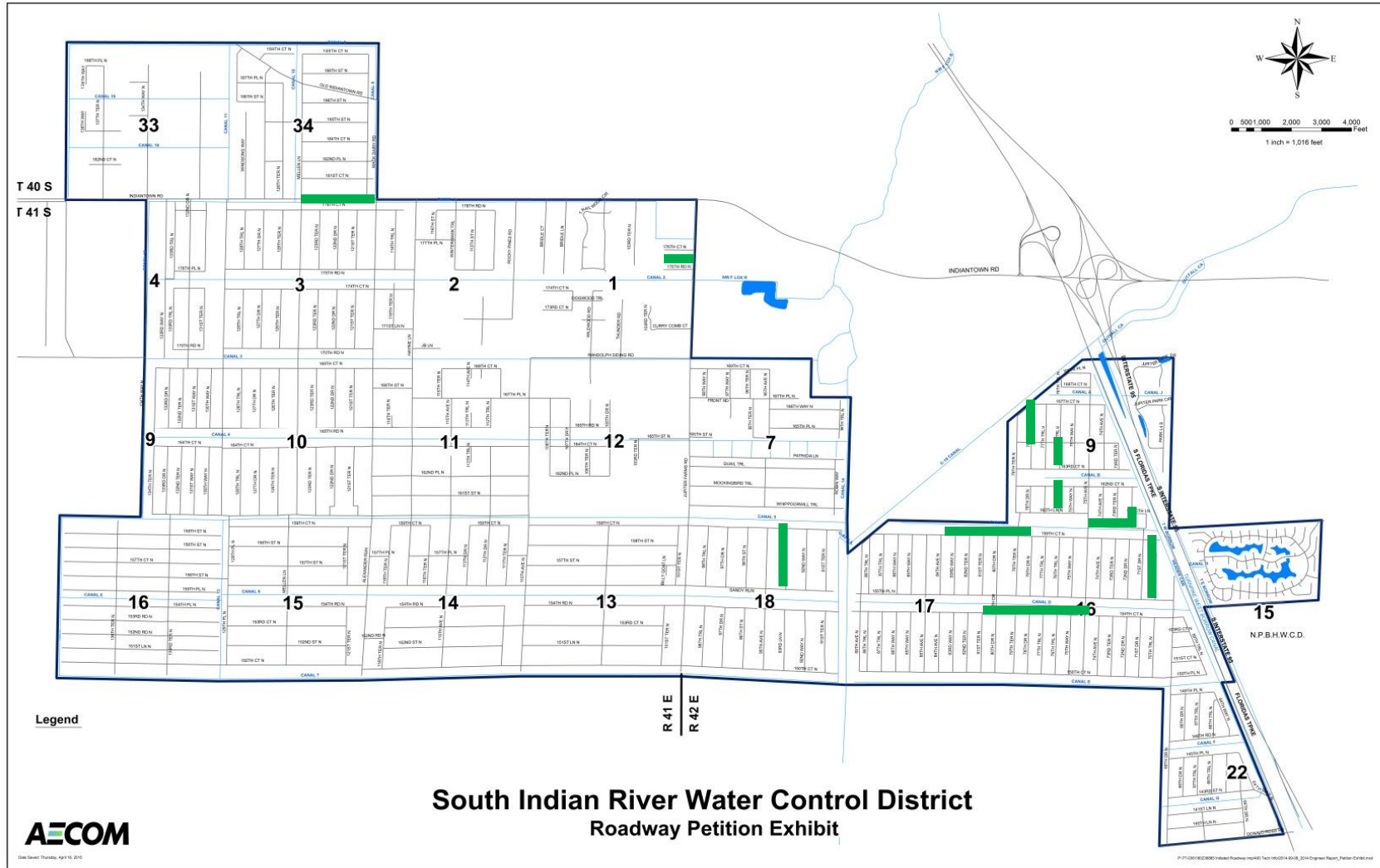


## 19<sup>th</sup> Plan Referendum

### Asphalt ( $\pm$ 3.6 miles)

- 70<sup>th</sup> Trail N. between 155<sup>th</sup> Place N. and 159<sup>nd</sup> Court N. (Feb. 24, 2016)
- 76<sup>th</sup> Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N. (Jan. 15, 2016)
- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N. (Jan. 25, 2016)
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N. (March 11, 2015)
- 93<sup>rd</sup> Lane N. between 155<sup>th</sup> N. and 159<sup>th</sup> Court N. (March 26, 2015)
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Ave. and 81<sup>st</sup> Court N. (Feb. 26, 2016)
- 159<sup>th</sup> Court N. between 79<sup>th</sup> Terrace N. to 84<sup>th</sup> Avenue N. (February 5, 2015)
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 79<sup>th</sup> Terrace N. (Nov. 18, 2015)
- 160<sup>th</sup> Street N. between 75<sup>th</sup> Ave. N. and 72<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N. (Feb. 29, 2016)
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End (June 8, 2015)
- 179<sup>th</sup> Court N. between Mellen Lane N. and Alexander Run (June 8, 2015)

# 19<sup>th</sup> Plan of Improvement - Project Location



# 19<sup>th</sup> Plan of Improvement

- Approximately 3.6 miles
- Estimating \$470,000 per mile
- Approx. 152 assessable lots with 24 corner lots from a previous POI
- Total Estimated Construction Costs = \$1,692,000
- Estimate Financing = \$1,575 per year for 10 years
- Estimated Payout per lot \$12,085



# 19<sup>th</sup> Plan of Improvement

Referendum No.	Referendum Address	Mailed	Returned	For	Against	Not Signed	Passage Rate for All Affected Owners	Passed Yes/No
1	70th Trail N between 155th Place N and 159th Court N	18	9	7	2	0	38.89%	No
2	76th Trail N between 160th Lane N and 162nd Court N	8	7	4	2	1	50.00%	No
3	76th Trail N between 163rd Court N and 165th Street N	8	7	6	1	0	75.00%	Yes
4	78th Drive N between 165th Street N and 167th Court N	11	9	7	2	0	63.64%	Yes
5	93rd Lane N between 155th Road N and 159th Court N	19	13	6	7	0	31.58%	No
6	154th Court N between 75th Avenue N and 81st Terrace N	28	21	16	5	0	57.14%	Yes
7	159th Court N between 78th Drive N and 84th Avenue N	24	21	16	5	0	66.67%	Yes
8	160th Street N between 72nd Drive N and 75th Avenue N and 72nd Drive N between 160th Street N and 160th Lane N	9	9	6	3	0	66.67%	Yes
9	175th Road N from Jupiter Farms Road west to the end	7	6	5	1	0	71.43%	Yes
10	179th Court N between Alexander Run and Mellen Lane N	20	17	9	7	1	45.00%	No

# 19<sup>th</sup> Plan of Improvement

- Approximately 2.0 miles
- Estimating \$470,000 per mile
- Approx. 87 assessable lots with 20 corner lots from a previous POI
- Total Estimated Construction Costs = \$940,000
- Estimate Financing = \$1,575 per year for 10 years
- Estimated Payout per lot \$12,085

Requesting Board Approval to move forward with the 19<sup>th</sup> Plan of Improvement Report



## Item 7: Attorney's Report



Presented by  
William G. Capko and Terry E. Lewis,  
District Attorneys



## Item 8: Old Business

### A. Proposed Road Paving Policy

#### **SIRWCD - Enhanced Stabilization (Paving) Policy**

##### I. PURPOSE

To create a systematic procedure for South Indian River Water Control District's Landowners to apply for road surface upgrades on "District Roads" (no more than ½ mile in length).

##### II. PROCEDURE

The South Indian River Water Control District Board of Supervisors hereby establishes the following:

1. A simple majority or more of the property owners must agree to have the road paved.
2. No roadway will be considered for paving unless the drainage swales and road base are considered suitable for paving by the District's Operations Manager and Engineer.
3. Paving shall be in accordance with the design and specifications approved by the District Engineer.
4. Should a roadway need additional work, the owners may:
  - a. Pay the additional costs of these improvements in addition to the paving.
  - b. Wait until the roadway has been completed as part of the District's road operations and maintenance program approved by the Board of Supervisors.
5. The Board of Supervisors approves the Petition after Staff review.
6. The District shall receive 100% of the cost of paving (grading, asphalt, spreading, rolling, etc.) in advance of the work being undertaken.

## Item 8: Old Business (cont.)

### III. ADDITIONAL CONSIDERATIONS

1. The District shall consider no more than five (5) petitions for paving within a Fiscal Year. This limitation is imposed based on current Staffing and workload considerations. Additionally, petitions may not be considered until the following Fiscal Year due to work schedules.
2. There will be no financing from the District.
3. Petitions are only for one road.
4. The funds will be held in escrow in a noninterest bearing account until all costs are collected. If all funds are not collected within a year of approval, funds will be returned less administrative/staff fees incurred by the District.
5. Those landowners who do not want the improvement are not required nor can be forced to provide funds.
6. District Roads do not qualify for traffic calming devices after paving.
7. Paving a road does not abandon or reduce the annual road maintenance assessment on landowner's Non Ad Valorem taxes.





## Item 9: New Business

### Board Discussion



## Item 10: Landowners' Items

Landowner's may provide comment to the Board at this time.

**Public Comment**

**Board Discussion**



## Item 11: Adjourn

Motion to Adjourn?



**MINUTES OF THE WORKSHOP MEETING  
OF THE SOUTH INDIAN RIVER WATER CONTROL DISTRICT HELD ON MARCH 9, 2017**

The workshop meeting of the South Indian River Water Control District was held on March 9, 2017, at 6:00 p.m. at the District WorkCenter, 15600 Jupiter Farms Road, Jupiter, Florida. Present were Supervisors Steve Hinkle, Tom Powell, Michael Ryan, John Meyer and Michael Howard. Also present were Amy Eason, engineer; William Capko, attorney; Mike Dillon, manager of operations; Donna DeNinno, public information; and Jane Woodard, secretary. Three landowners were also present.

Mr. Hinkle called the meeting to order and the Pledge of Allegiance to the flag was given. The purpose of the workshop was to discuss the proposed enhanced stabilization policies.

Mr. Hinkle stated there were three separate policies to consider. Landowners could go to the County for funding, bypassing SIRWCD. Landowners could finance and pay for the improvements themselves without going through a referendum if there is a petition from 51% of the landowners. The landowners could continue with SIRWCD providing financing. Mr. Hinkle stated he initiated his proposal because financing was becoming a problem for the District, and there was too much time spent in meetings talking about paving. If the landowners handled the financing and paving themselves, the District could concentrate on only water control. Mr. Powell stated financing has always been an issue but the treasurer manages to work it out. He pointed out that the majority of the time spent at meetings discussing paving has been about changing policies and procedures. Paving in the District has been accomplished since 1982 with little or no discussion because the landowners handled their petitions, a referendum was conducted, and then the Board made a final decision. He noted that the bar has now been set so high, there probably will not be more paving requested in the District.

Mr. Meyer stated there have been complaints from landowners on both sides of the issue. There needs to be a process that gets the District out of the paving business so it can concentrate on water control.

Mr. Howard stated the policy originally proposed virtually does away with paving because landowners will not be able to afford to pay for it up front. The provision for a simple majority decision does not meet the standard, as the policy currently in place requires 50% plus one of the affected landowners. The proposal appears to come directly from Indian Trails and does not deal with specific issues in SIRWCD. He noted that the original proposed policy did not get a second when presented at the previous Board meeting.

Mr. Ryan stated the original proposal would not allow a minority of landowners to make decisions affecting the others. Any paving policy would not be fair unless equal rights and solutions are given to those landowners who want to keep dirt roads. He noted Mr. Howard's proposal does not stop the threat of landowners coming back multiple times to vote for paving. If the District does not provide financing, landowners are then responsible for paying for paving themselves. He would like to find a way to keep dirt roads and not force residents out of their homes because of a hardship caused by assessments on their property.

Mr. Meyer believed most landowners would vote against a petition so they do not have to pay, forcing those who really want the paving to pay for the entire road.

Mr. Powell stated the original proposal is an extreme position. A referendum would be very difficult to pass. Mr. Howard's proposal listens to all the landowners and appears to be a good compromise. The Board should not let a small percentage of hardship cases drive the solution.

Mr. Hinkle noted that every monthly engineering report has had paving issues that require discussion.

Mr. Meyer suggested an application process requiring a fee when a petition is initiated. The Board could also establish a paving committee consisting of a supervisor and staff member who would meet outside of the regular Board meetings. Mr. Capko confirmed it would be legal to have an application fee.

Mr. Powell noted that once a policy is established, the Board should quit micromanaging the project.

Mr. Howard noted if the Board believes the voting has been bullied, it can decide not to include that road in the paving plan. He stated his proposal creates a timeline for the Board and staff, and requires a super-majority. If the landowners are forced to go to the County for paving, it will construct a street with swales and SIRWCD will have no control over that. Turning over drainage swales to another agency inhibits the job SIRWCD can do for the landowners. Mr. Dillon noted there have been maintenance issues with County culverts in the past. County standards always leave issues with swale contouring, etc.

Mr. Hinkle stated he did not like the “per foot” provision in Mr. Howard’s proposal. Mr. Howard explained this gives the Board flexibility. Mr. Powell stated the District is required to assess on a per parcel basis. Mr. Meyer suggested assessments could be based on frontage and not by parcel. Mr. Hinkle noted that some landowners have three roads on their property. Mr. Howard noted under #6(a) the landowner would be assessed for his own portion. This provision can be clarified. For corner lots, a landowner would have two votes and receive two assessments. A referendum only covers one road so the landowner will be voting for each individual road and assessed 100% for each.

Mr. Meyer agreed there should be a procedure to honor no-paving petitions. Mr. Powell noted this would be an “action to not do something.” Mr. Hinkle noted if there is 100% agreement, a conservation easement could be established on a road. Mr. Howard noted if the bar is high enough and a fee is required to start a project, this should take care of that issue. There would be enough guidance for the Board to make a decision against paving. Ms. Eason suggested bringing petitions to the Board meetings for review prior to proceeding.

Mr. Hinkle asked for staff input as to OGEM vs. asphalt. Ms. Eason stated that OGEM is usually more efficient on short roads. In the past, if there is a change from OGEM to asphalt, a petition is resubmitted. Mr. Dillon noted that usually three miles of roadway is needed for OGEM to be efficient.

Mr. Hinkle was not in favor of providing financing, but would vote for financing with a 90% requirement, similar to the County’s policy. Mr. Powell believed a lower requirement would be better. Mr. Ryan was concerned with hardship cases. Mr. Howard noted it is the Board’s responsibility to look at each project and make a decision. Mr. Capko suggested a provision whereby senior citizens can get a delay in paying their taxes. He will look into this possibility and report back to the Board. Mr. Howard believed the matter of assessment should be a separate policy.

Mr. Hinkle suggested having both proposals discussed at a public hearing, as well as a no-paving policy. Mr. Capko did not think a public hearing was necessary but public comments during a regular Board meeting would be sufficient. Further discussion followed regarding the need for another public hearing. Mr. Powell excused himself from the meeting at this time due to an urgent family matter.

It was decided to present both proposals and a no-paving policy at the next Board meeting for landowner comments, and then take action at the May Board meeting. It was agreed to use the County’s policy as a model. All were in agreement to add an application fee. Staff was asked to estimate the time required of them during the petition process. Mr. Meyer agreed to prepare a no-paving policy.

Ms. Eason noted the next step in the 19th Plan is a public hearing and asked for Board direction. Three consecutive weeks of advertising are required prior to a public hearing. Ms. Eason and Mr. Capko were both concerned about the 19th Plan public hearings overlapping with the policy changes being presented, creating confusion for the landowners.

Mr. Capko asked that any letters with threats of a lawsuit or bodily harm be forwarded to his office.

Mr. Hinkle asked the Board to consider a workshop meeting on water control, to be scheduled during the summer. There being no further discussion by the Board, the meeting was adjourned.



# South Indian River Water Control District™

*Established 1923*

## **BOARD OF SUPERVISORS MEETING**

April 20, 2017 – 7:00 p.m.  
Jupiter High School – Media Room  
500 N. Military Trail, Jupiter, FL 33458

### **BOARD MEETING AGENDA**

1. Pledge of Allegiance
2. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
3. Presentation of Draft Enhanced Stabilization Policy
4. Public Information Report
5. Treasurer's Report
6. Manager of Operations Report
  - A. MS4 NPDES 4<sup>th</sup> Cycle Permit Interlocal Agreement
7. Engineer's Report
  - A. Palm Beach County Request for Portage on C-14 Canal.
8. Attorney's Report
9. Old business
10. New Business
11. Landowners' Items
12. Adjourn



**DICK GRUENWALD  
ASSOCIATES, LLC**

Apr. 20, 2017

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report- April 2017**

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Monthly Meeting (*Apr. 20*) release
- ❖ Workshop (*Mar. 9*) release

The following items were updated on the website:

- ❖ Monthly Meeting (*Jan. 26*) minutes
- ❖ Meeting updates
- ❖ March newsletter
- ❖ Family Day update
- ❖ Upload Michael Howard photo to Supervisor page
- ❖ Paving/Stabilization Policy update

Attended Staff Meeting (*Apr. 10, Feb. 27*), Workshop (*Mar. 9*)

The 26th Annual Landowners Family Day was held on March 18 from 11:30 am – 2:30 pm. McCray's Backyard Bar-B-Q served lunch along with entertainment by the Tom Jackson Band. Cock-A-Doodle Doo provided a petting zoo, pony rides, and face painters. Jupiter Bounce provided a bounce house. Exhibitors included Civil Air Patrol Squadron SER-FL 152, Drowning Prevention Coalition of Palm Beach County, Florida Forestry Service, Furry Friends Adoption Clinic & Ranch, Gated Trail Riders of South Florida, Jupiter Farmer, Jupiter Farms Community Emergency Response Team (*CERT*), Jupiter Farms/Palm Beach Country Estates C.O.P., Jupiter Farms Residents, NETA, One Blood, Palm Beach County Fire Rescue, Palm Beach County Parks – Riverbend, Safety Council of Palm Beach County, Sierra Club Loxahatchee Group, Solid Waste Authority, Taras Oceanographic Foundation and Veterans Affairs.

The March newsletter has been printed and delivered and included the invitation to Landowners Family Day, Driveway Culvert Installation update, Matt Wood promotion, Proposed 19<sup>th</sup> Plan of Improvements update, Stormwater Education corner, and workshop on proposed Paving/Stabilization policy.

The District office and staff are reviewing and updating the District's Policy & Procedures Manual. Comments received to date are being incorporated into the master document.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of April 2017  
CC: Staff  
Date: April 14, 2017

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### **Routine Business**

1. The District received a total of \$4,882,825 in current assessments receipts from the Palm Beach County Tax Collector through February 28, 2017.
2. We continue to work with the auditors on the completion of the annual audit. We anticipate that they will be issuing their report in early May.
3. On April 1, 2017 the final payments were made on the 2004 Series B & C Notes to Wells Fargo. The final payment on the Egret Landing Refunding Note is due on August 1, 2017.
4. We will shortly be starting the budget process for next fiscal year, beginning Oct. 1<sup>st</sup> 2017. In that regard, early input of the thoughts of individual supervisors on new programs or changes in the scope of services will be appreciated. For administrative purposes these should go through the District Managers office. The suggestions can then be researched, followed by a presentation to the full Board.
5. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements. (sent under separate cover).



## South Indian River Water Control District

### Statement of Revenues and Expenditures

From 10/01/2016 to 2/28/2017

*All Governmental Funds  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	4,658,217	4,645,077	(13,140)
Rents & Contracted Service Income	-	170	170
Investment Income	1,237	900	(337)
Other Income	12,000	37,978	25,978
<b>Total Revenue:</b>	4,671,454	4,684,125	12,671
<b>Expenditures:</b>			
Contracted Services	264,950	158,613	106,337
Operating Expense	790,850	759,945	30,905
Office & Landowner Expense	140	74	66
Capital Outlay	229,000	445,737	(216,737)
Other Debt Service	9,681	4,555	5,126
<b>Total Expenditures:</b>	1,521,865	1,502,295	19,570
<b>Transfers, Financing &amp; Capital Outlays</b>			
Transfers in	349,500	-	(349,500)
Transfers out	-	(85,250)	(85,250)
Financings-Net	-	-	-
<b>Total Transfers, Financing &amp; Capital Outlays</b>	349,500	(85,250)	(434,750)
<b>Total Expenditures &amp; Other Financing</b>	1,172,365	1,587,545	454,320
<b>Excess (Deficit) Revenues over (under) Expenditures and Other Financing Sources (Uses)</b>	3,499,089	3,096,580	402,509
Beginning Fund Balance		6,465,745	
Ending Fund Balance		9,562,325	

# South Indian River Water Control District

## Statement of Revenues and Expenditures

From 10/01/2016 to 2/28/2017

*Special Revenue Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	2,147,338	2,175,129	27,791
Rents & Contracted Service Income	-	170	170
Investment Income	875	319	(556)
Other Income	12,000	20,200	8,200
Total Revenue:	2,160,213	2,195,818	35,605
<b>Expenditures:</b>			
Contracted Services	264,950	158,613	106,337
Operating Expense	790,850	759,945	30,905
Office & Landowner Expense	140	74	66
Total Expenditures:	1,055,940	918,632	137,308
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlays	-	(85,800)	85,800
Transfers out	(85,250)	(85,250)	-
Total Transfers, Financing & Capital Outlays	(85,250)	(171,050)	85,800
Total Expenditures & Other Financing	1,141,190	1,089,682	51,508
Excess (Deficit) Revenues over (under) Expenditures & Other Financing Sources (Uses)	1,019,023	1,106,136	87,113
Beginning Fund Balance		1,759,305	
Ending Fund Balance		2,865,441	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 2/28/2017

*Debt Service Funds*  
*(In Whole Numbers)*

	<u>YTD Budget</u>	<u>Year to Date Actual</u>	<u>Budget Variance</u>
Revenue:			
Assessments - Net	2,510,879	2,469,948	(40,931)
Investment Income	162	397	235
Other Income	-	17,778	17,778
<b>Total Revenue:</b>	<b>2,511,041</b>	<b>2,488,123</b>	<b>(22,918)</b>
Expenditures:			
Principal Paid	-	-	-
Interest Paid	227,244	133,371	93,873
Other Debt Service	9,681	4,555	5,126
<b>Total Expenditures:</b>	<b>236,925</b>	<b>137,926</b>	<b>98,999</b>
<b>Excess (Deficit) Revenues over (under) Expenditures</b>	<b>2,274,116</b>	<b>2,350,197</b>	<b>76,081</b>
Beginning Fund Balance		2,013,775	
Ending Fund Balance		4,363,972	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 2/28/2017

*Capital Projects Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Investment Income	200	184	(16)
Total Revenue:	200	184	(16)
Expenditures:			
Capital Outlay	229,000	531,537	(302,537)
Total Expenditures:	229,000	531,537	(302,537)
Transfers, Financing & Capital Outlays			
Transfers in	349,500	-	(349,500)
Total Transfers, Financing & Capital Outlays	349,500	-	(349,500)
Excess (Deficit) Revenues over (under) Expenditures	120,700	(531,353)	(652,053)
Beginning Fund Balance		2,692,665	
Ending Fund Balance		2,161,312	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 2/28/2017

*Internal Service (Maintenance) Fund  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<hr/>			
Revenue:			
Charges for Services	756,250	715,284	(40,966)
Rents & Contracted Service Income	27,000	29,225	2,225
Investment Income	-	(21)	(21)
Other Income	-	11,170	11,170
Total Revenue:	<hr/> 783,250	<hr/> 755,658	<hr/> (27,592)
Expenditures:			
Personal Services	407,050	404,088	2,962
Contracted Services	83,000	35,977	47,023
Operating Expense	160,400	81,568	78,832
Office & Landowner Expense	9,475	6,737	2,738
Insurance	18,500	17,046	1,454
Total Expenditures:	<hr/> 678,425	<hr/> 545,416	<hr/> 133,009
Transfers, Financing & Capital Outlays			
Capital Outlays	-	210,242	(210,242)
Transfers out	179,000	-	179,000
Total Transfers, Financing & Capital Outlays	<hr/> 179,000	<hr/> 210,242	<hr/> (31,242)
Excess (Deficit) Revenues over (under) Expenditures & Transfers	<hr/> (74,175)	<hr/> -	<hr/> 74,175
Beginning Fund Balance	<hr/> -	<hr/> -	
Ending Fund Balance	<hr/> -	<hr/> -	



# South Indian River Water Control District™

*Established 1923*

## MEMORANDUM

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for February 10, 2017 through April 13, 2017  
DATE: April 13, 2017

### ADMINISTRATIVE:

1. Schoen Property Specialists becomes new maintenance contractor for Margaret Berman Park.
2. Conducted monthly review of District canals with aquatic weed spray contractor.
3. On-site meetings and phone conversations with Landowners regarding drainage, road conditions and driveway culvert installations.
4. Attended Staff meeting.
5. Attended Loxahatchee River Management Coordinating Council meeting.
6. Received \$2,645.00 from Verizon for cell tower lease.
7. District receives two awards for Excellence in Employee and Vehicle safety at the Annual Safety Council of Palm Beach County Awards Ceremony.
8. Attended Certified District Manager Training Course in Tallahassee.

### WATER CONTROL:

1. Mowers continue routine maintenance throughout the District.
2. Received 4.71 inches of rain this reporting period.
3. Prepped swales for four culvert installs, inspected eight culverts and District crews installed twenty-seven driveway culverts.
4. Terra Tech continues canal spraying for aquatic weed control.
5. Crews continue to replace District drainage culverts at various locations.

MEMORANDUM

To: Board of Supervisors

Date: April 13, 2017

Page 2

**WATER CONTROL (cont.):**

6. Drainage swales continue to be re-contoured throughout the District.
7. Crews continue to clear drainage outfalls in Palm Beach Country Estates.
8. Crews restored District right-of-way along Canal 4 west of Randolph Siding to 112<sup>th</sup> Drive.
9. Meeting with District Engineer and Landowner to review Canal 13 right-of-way.

**ROAD MAINTENANCE:**

1. Due to extremely dry conditions, roads are being watered as requested.
2. Reviewed asphalt roads for the 18<sup>th</sup> Plan of Improvements with District Engineer and Hardrives.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

To South Indian River Water Control District (SIRWCD)  
Board of Supervisors Pages 3

CC

Subject Engineer's Report for April 2017

From Amy E. Eason, PE, District Engineer

Board Meeting  
Date April 20, 2017

The following is a summary of activities and communications that were of significance during the month of February. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

- A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed February 6, 2015 with the request that the landowners submit their response to the District by March 12, 2015. On March 26, 2015, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners who voted on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 3.8 miles):

- 64<sup>th</sup> Way N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 68<sup>th</sup> Drive N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 74<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 75<sup>th</sup> Way N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 77<sup>th</sup> Trail N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 81<sup>st</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 149<sup>th</sup> Place between 69<sup>th</sup> Drive N. and 64<sup>th</sup> Way N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. to East End

At the May 2015 meeting, staff was directed to prepare the 18<sup>th</sup> Plan of Improvement. The public hearing for the Plan of Improvement was held on August 20, 2015. Staff was then directed to prepare the Engineer's Report. The public hearing for the Engineer's Report was held at the October 15, 2015 meeting. At the October 15, 2015 meeting, staff was directed to begin survey and design services for the approved 18<sup>th</sup> Plan of Improvement.

On May 20, 2016, an advertisement for bid on the project was published in the Palm Beach Post. Potential bidders picked up bid documents on May 27, 2016 with bids due on June 27, 2016.



After negotiating with the lower bidder, Hardrives, Inc, contract documents were executed and a notice to proceed was issued for October 1, 2016. **Staff conducted a substantial complete walk through with the contractor on April 3, 2017. Contractor is completing the punch list items. Staff is prepared to update the board at this month's meeting.**

- B. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016. On December 14, 2016, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners who voted on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 2.2 miles)**

- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.**
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.**
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 81<sup>st</sup> Terrace N.**
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 84<sup>th</sup> Avenue N.**
- 160<sup>th</sup> Street N. between 72<sup>nd</sup> Drive N. and 75<sup>th</sup> Avenue N. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.**
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End**

**The Board requested that 76<sup>th</sup> Trail N between 160<sup>th</sup> Lane N and 162<sup>nd</sup> Court N be included into the proposed plan dependent upon the results of another verified petition process. At the February 2017 Board Meeting, staff receive approval to prepare the 19<sup>th</sup> Plan of Improvements. Staff has been working on this draft plan and is prepared to update the board at this month's meeting.**

## **II. OPERATION AND MAINTENANCE**

- A. The National Pollutant Discharge Elimination System (NPDES) Steering Committee met on March 15, 2017. The subject of the meeting was to review the 6<sup>th</sup> Year Annual Reports and conduct a refresher training course on spill prevention and response, illicit discharge, and sedimentation and erosion control for construction sites. In addition, the committee announced upcoming training opportunities. On April 18 and 19, 2017, the Florida Stormwater Association Level 2 Stormwater Operator Training will be held in Miami-Dade County to benefit operators or project managers in the stormwater management industry. On May 23 and 24, 2017, the Stormwater, Erosion, and Sedimentation Control Inspector Training will be held at the Town of Jupiter Community Center. The next Steering Committee Meeting is scheduled for April 19, 2017. The primary purpose of this meeting is to discuss Total Maximum Daily Load (TMDL) Prioritization Plan and Cycle 4, Year 1 Report Form.**
- B. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers (ACOE) and South Florida Water Management District (SFWMD) to clarify the operational protocols of South Indian River Water Management District. Efforts on the sub team include confirming assumptions in the model and aiding in the planning effort.**

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce the number of projects that will undergo further analysis. A subsequent meeting was held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District. SFWMD and the ACOE have been working on updating the model with the different scenarios and updating the cost estimates of proposed regional projects for the cost feasibility analysis. These updates are being prepared for the Project Implementation Report (PIR) as part of the ACOE process. **The ACOE has posted some of the preliminary results of the modeling, which did not include the SIRWCD area. The ACOE is still finalizing these results and are preparing a schedule to complete the PIR.**

- C. Staff attended the Loxahatchee River Management Coordinating Council meeting on March 28, 2016. The Florida Department of Environmental Protection (FDEP) presented possible TMDLs within certain water body identification (WBID) areas and the process of a Reasonable Assurance plan in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs. As a result of this meeting, at the June 27, 2016 meeting, the council discussed plans to move forward with a Reasonable Assurance (RA) plan with the assistance of FDEP. Meetings have been held monthly to discuss the RA plan. The last meetings were September 26, 2016 and October 24, 2016 to discuss the basin delineations, water quality, and a draft RA plan. A special meeting was held on December 2, 2016 to discuss the RA boundaries on the project. Staff attended to educate the committee on the drainage system of the District.

**Staff attended the March 27, 2017 meeting. This meeting discussed the WBID boundary changes, the water quality monitoring plan, and the status of the RA Plan.**

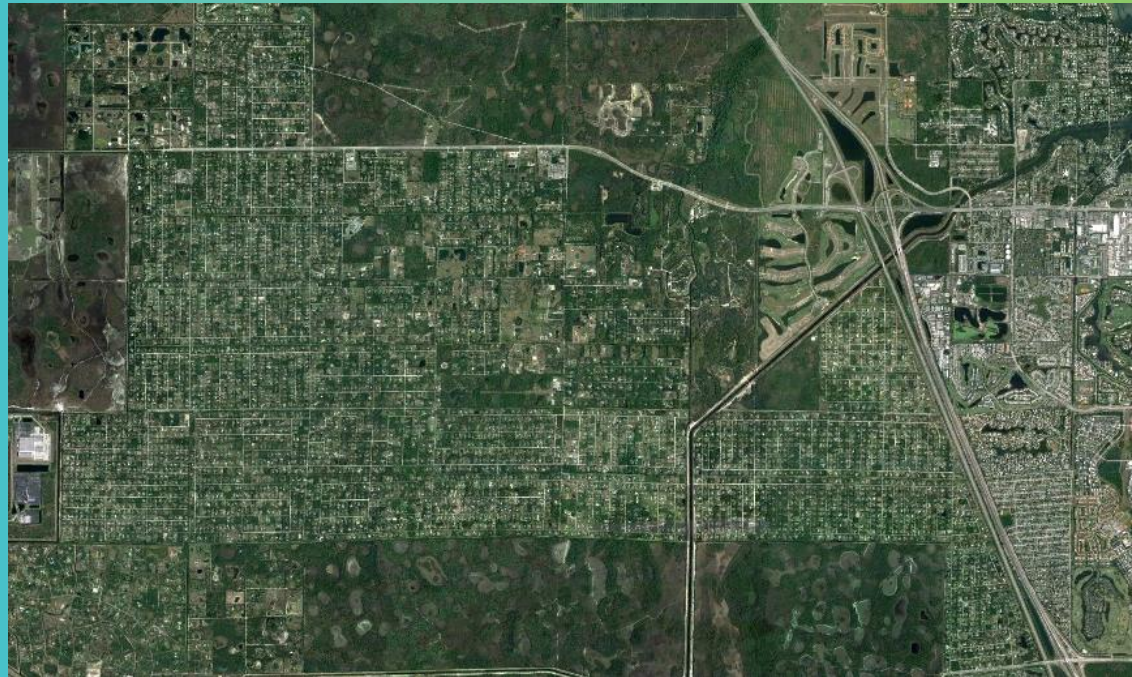
- D. **On April 5, 2017, staff met with Palm Beach County to discuss a proposal for the construction of a portage on Canal 14. Staff reviewed the initial request and is prepared to present the item at this month's board meeting.**
- E. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- F. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- G. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.

## ATTENTION AUDIENCE

- Tonight's meeting is a **BOARD MEETING**.
- The items that the Board is going to discuss are numbered on the **AGENDA**.
- If you would like to comment on any of the items, **PLEASE FILL OUT A COMMENT CARD AND CIRCLE THE ITEM IN WHICH YOU WOULD LIKE TO COMMENT ON.**
- **PUBLIC COMMENT** will be taken after Board discussion on items that require **BOARD ACTION**.
- Depending on the number of comment cards received, will determine the amount of time you are allowed speak.  
**The President will determine the time allowed to speak.**
- At **8:40 pm**, the meeting will end. We must be out of the space at **9:00 pm**
- **Thank you for your patience!**

# South Indian River Water Control District April Board of Supervisors Meeting



**April 20, 2017**

## Item 1: Pledge of Allegiance



## Item 2: Consent Agenda

- A. Approval of Minutes of Previous Meeting
- B. Approval of Warrant List

### **Board Discussion**

### **Motion from the Board**

## Item 3: Draft Enhanced Stabilization Policy

### Board Discussion

### Motion from the Board



## Item 4: Public Information Report



Presented by Donna J. DeNinno,  
District Public Information Officer



## Item 5: Treasurer's Report



Presented by Chuck Haas, Treasurer

## Item 6: Manager of Operations Report

### A. MS4 NPDES 4<sup>th</sup> Cycle Permit Interlocal Agreement



Presented by Mike Dillon  
Manager of Operations

## Board Discussion

## Motion from the Board

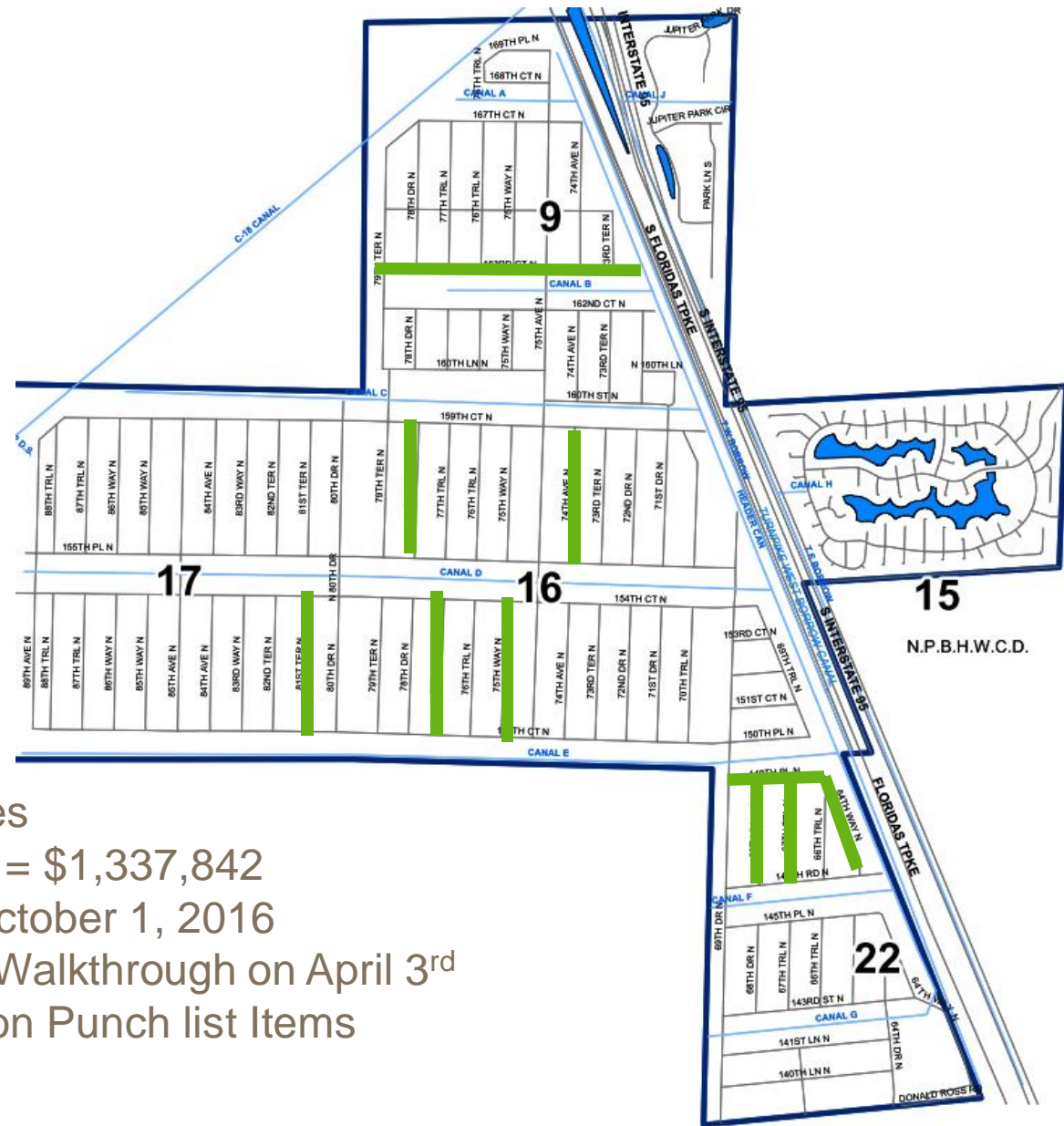


## Item 7: Engineer's Report

Presented by Amy E. Eason, PE,  
District Engineer



# 18<sup>th</sup> Plan of Improvement



- Approximately 3.8 miles
- Total Contract Amount = \$1,337,842
- Notice to Proceed = October 1, 2016
- Substantial Complete Walkthrough on April 3<sup>rd</sup>
- Contractor is working on Punch list Items

# 18<sup>th</sup> Plan of Improvement



149<sup>th</sup> Place N



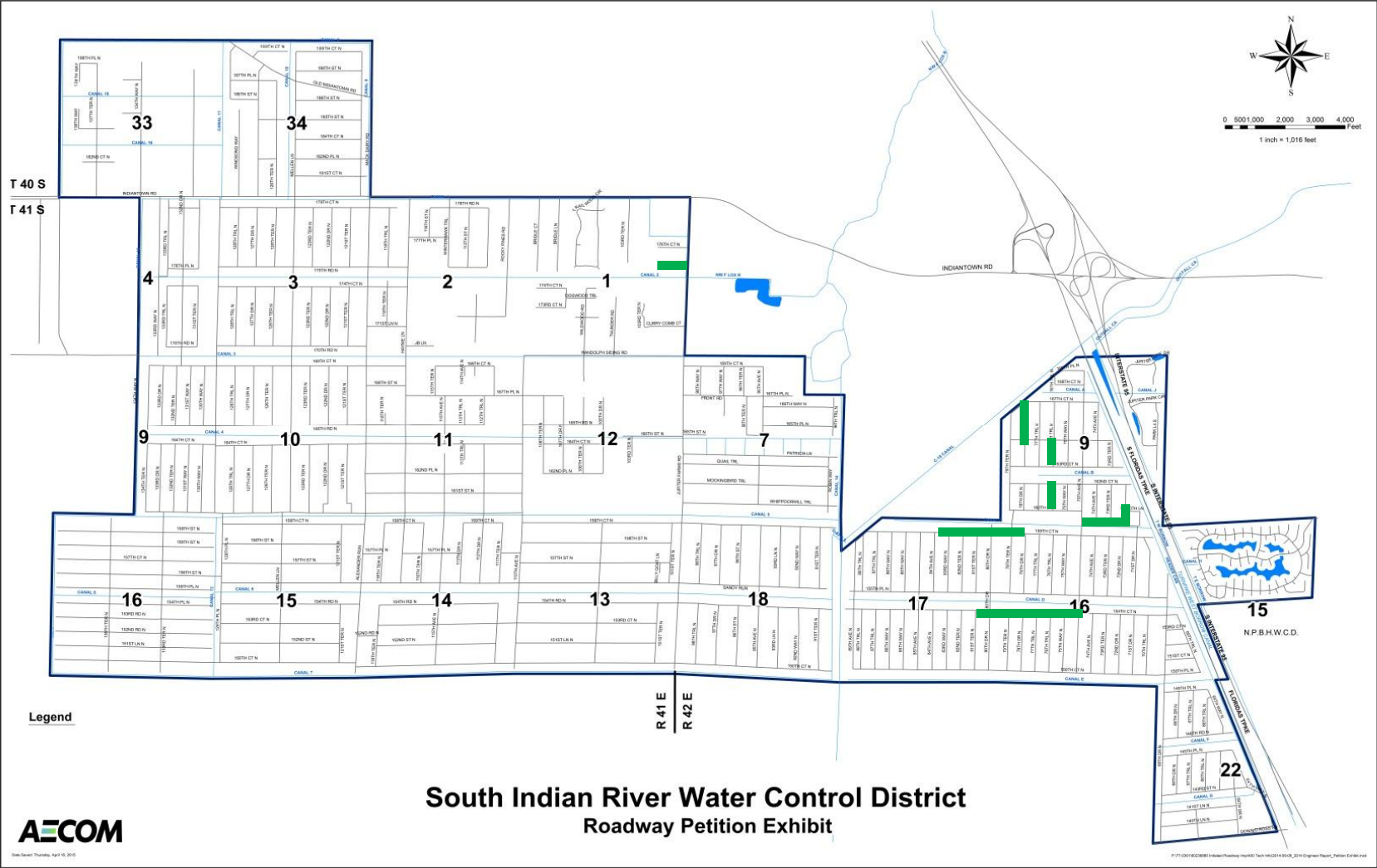
67<sup>th</sup> Trail N

## Proposed 19<sup>th</sup> Plan of Improvements

### Asphalt ( $\pm$ 2.4 miles)

- 76th Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76th Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Ave. and 81<sup>st</sup> Court N.
- 159<sup>th</sup> Court N. between 79<sup>th</sup> Terrace N. to 84<sup>th</sup> Avenue N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 79<sup>th</sup> Terrace N.
- 160<sup>th</sup> Street N. between 75<sup>th</sup> Ave. N. and 72<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End

# 19<sup>th</sup> Plan of Improvement - Project Location



April 20, 2017

# 19<sup>th</sup> Plan of Improvement

- Approximately 2.4 miles
- Estimating \$470,000 per mile
- Approx. 95 assessable lots with 22 corner lots from a previous POI
- Total Estimated Construction Costs = \$1,128,000

## Proposed Schedule

- May 18, 2017 Public Hearing to determine to proceed with the process for approval of the proposed plan
- June or July Final Public Hearing on the Final Plan of Improvement and Engineer's Report

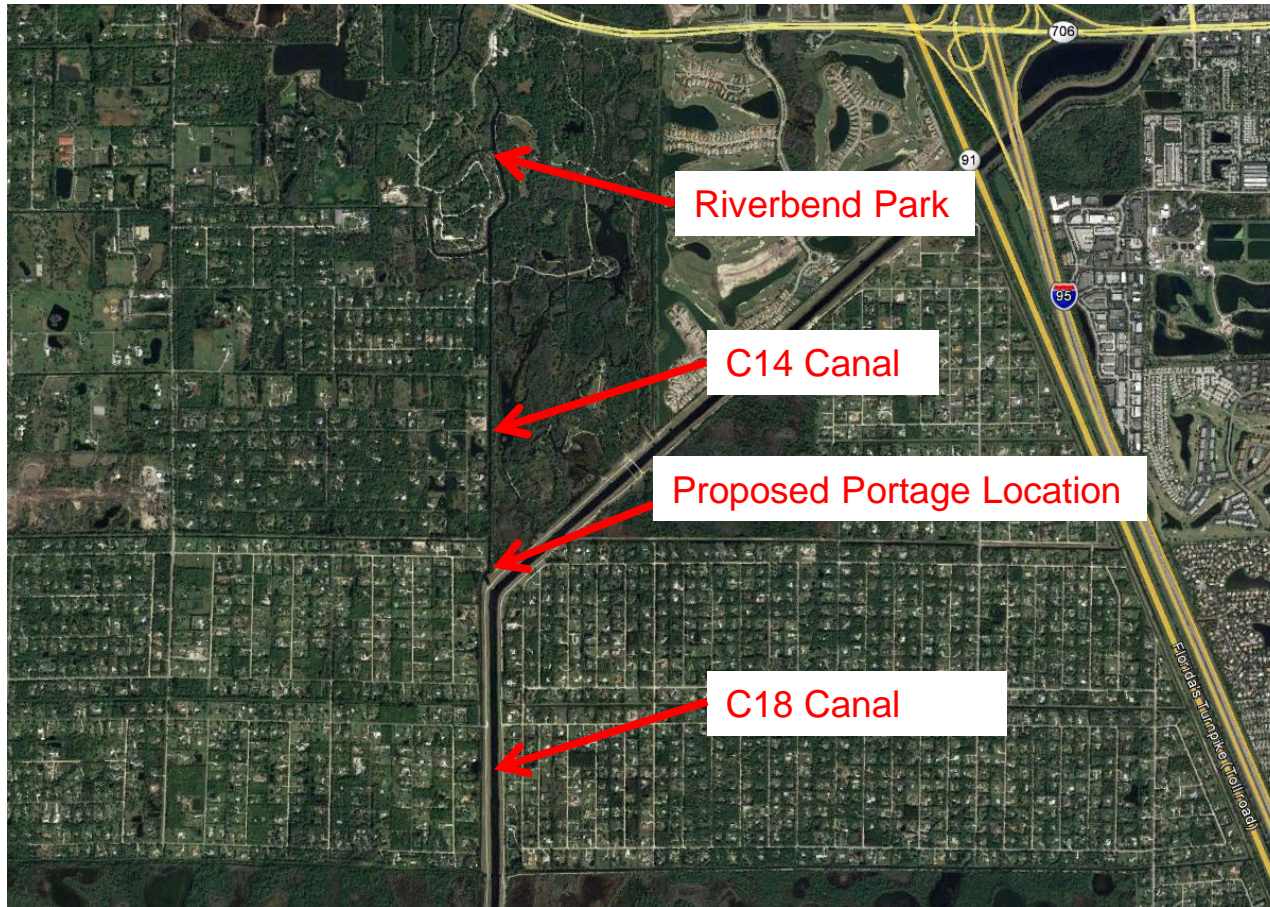




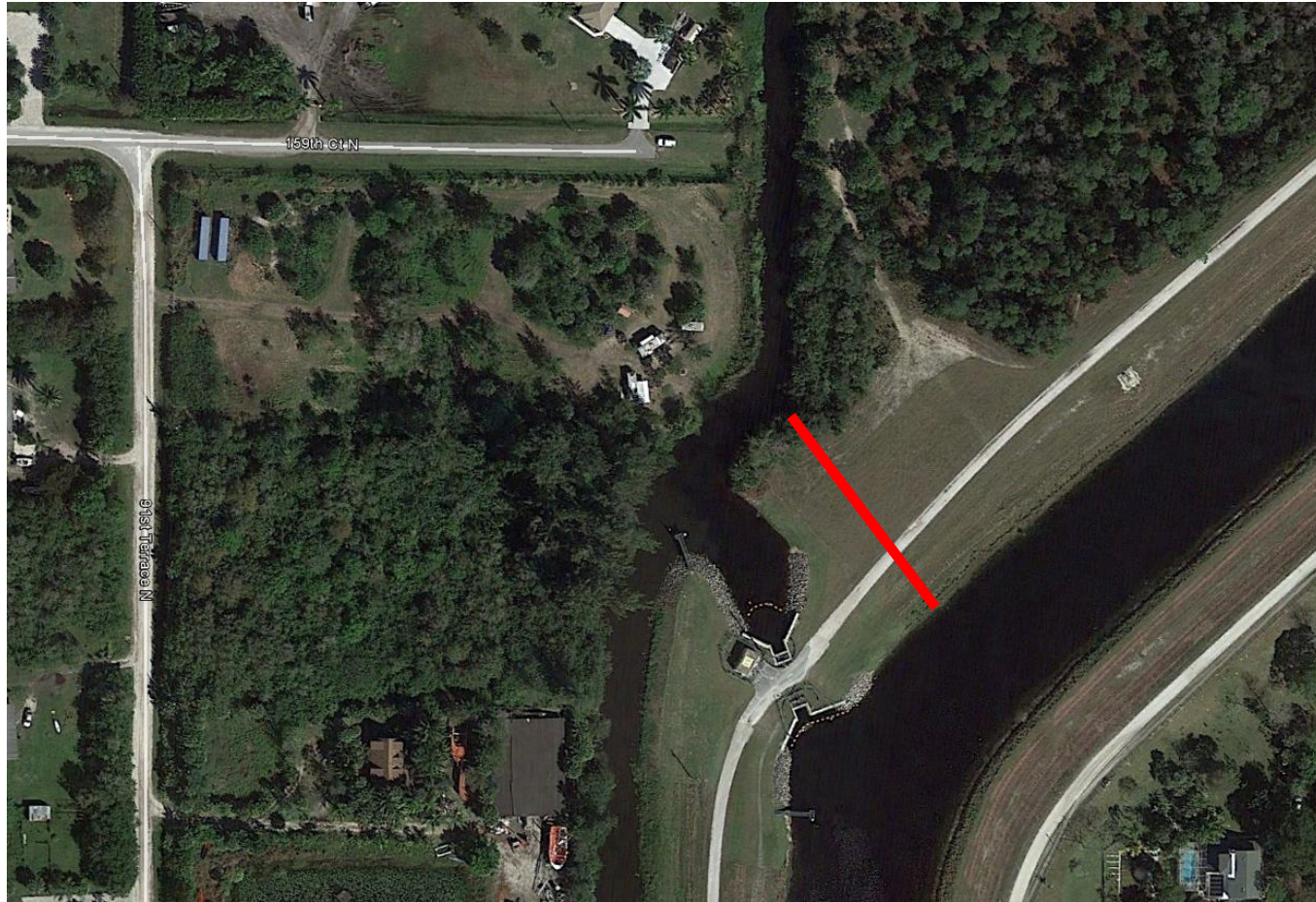
# Palm Beach County request for Portage on C14 Canal



# Palm Beach County request for Portage on C14 Canal



# Palm Beach County request for Portage on C14 Canal



Requesting Board direction to respond to PBC request.



## Item 8: Attorney's Report



Presented by  
William G. Capko and Terry E. Lewis,  
District Attorneys



## Item 9: Old Business

### Board Discussion



## Item 10: New Business

### Board Discussion



## Item 11: Landowners' Items

Landowner's may provide comment to the Board at this time.

**Public Comment**

**Board Discussion**



## Item 12: Adjourn

Motion to Adjourn?







# South Indian River Water Control District™

*Established 1923*

## **BOARD OF SUPERVISORS MEETING**

May 18, 2017 – 7:00 p.m.  
Jupiter High School – Media Room  
500 N. Military Trail, Jupiter, FL 33458

### **2017 LANDOWNER INITIATED ROADWAY PROJECT HEARING AGENDA**

1. Pledge of Allegiance
2. Presentation of Proposed 19<sup>th</sup> Plan of Improvements
3. Comments from Landowners
4. Adjourn

### **BOARD MEETING AGENDA**

1. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
2. Public Information Report
3. Treasurer's Report
4. Manager of Operations Report
5. Engineer's Report
  - A. 19<sup>th</sup> Plan of Improvements
6. Attorney's Report
7. Old business
8. New Business
9. Landowners' Items
10. Adjourn



**DICK GRUENWALD  
ASSOCIATES, LLC**

May 18, 2017

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report- May 2017**

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Monthly Meeting and Public Hearing  
on the Proposed 19th Plan of Improvements (*May 18*) release

The following items were updated on the website:

- ❖ Workshop (*Mar. 9*) minutes
- ❖ Meeting and Public Hearing updates
- ❖ May newsletter
- ❖ New Paving/Stabilization Policy–Petitions, Referendum, Road Construction and News pages
- ❖ Special District website requirement updates
- ❖ Safety Award presentation
- ❖ Matt Wood and Carol Wise 5 year award presentation

Attended Staff Meeting (*May 8*) Monthly Meeting (*Apr. 20*)

Attended and photographed Matt Wood and Carol Wise 5<sup>th</sup> year award presentation, Safety award presentation and staff group photo.

The May newsletter is being printed and will be delivered to all Landowners prior to the Public Hearing on the Proposed 19<sup>th</sup> Plan of Improvements. Also included are the Paving/Stabilization policy update, 5 year awards to Matt Wood and Carol Wise, Safety awards, Palm Beach Country Estates potable water update and Stormwater Education corner.

The District office and staff are reviewing and updating the District's Policy & Procedures Manual. Chapters 1-3, 5 & 6 are currently being reviewed by staff, with comments due back by June 2<sup>nd</sup>.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.



To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of May 2017  
CC: Staff  
Date: May 18, 2017

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### **Routine Business**

1. The District received a total of \$5,289,720 in current assessments receipts from the Palm Beach County Tax Collector through April 30, 2017.
2. We continue to work with the District's auditors, Grau & Associates, and will soon be issuing the financial statements for year ending September 30, 2016.
3. As an update on the budget process, we are enclosing a budget calendar delineating the critical dates for completing the budget and the related assessment roll. We have received a suggestion for a new program in the water control area of the budget, which we will be presenting at the meeting.
4. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements. (sent under separate cover).

# South Indian River Water Control District

## Statement of Revenues and Expenditures

From 10/01/2016 to 4/30/2017

*Special Revenue Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	2,326,519	2,372,888	46,369
Rents & Contracted Service Income	-	170	170
Investment Income	1,225	687	(538)
Other Income	12,000	32,023	20,023
Total Revenue:	2,339,744	2,405,768	66,024
<b>Expenditures:</b>			
Contracted Services	357,750	264,185	93,565
Operating Expense	1,095,750	1,289,892	(194,142)
Office & Landowner Expense	200	158	42
Total Expenditures:	1,453,700	1,554,235	(100,535)
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlays	-	(85,800)	85,800
Transfers out	(85,250)	(85,250)	-
Total Transfers, Financing & Capital Outlays	(85,250)	(171,050)	85,800
Total Expenditures & Other Financing	1,538,950	1,725,285	(186,335)
Excess (Deficit) Revenues over (under) Expenditures & Other Financing Sources (Uses)	800,794	680,483	(120,311)
Beginning Fund Balance		1,759,305	
Ending Fund Balance		2,439,788	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 4/30/2017

*Debt Service Funds*  
*(In Whole Numbers)*

	<u>YTD Budget</u>	<u>Year to Date Actual</u>	<u>Budget Variance</u>
Revenue:			
Assessments - Net	2,721,905	2,673,473	(48,432)
Investment Income	230	456	226
Other Income	-	33,779	33,779
Total Revenue:	2,722,135	2,707,708	(14,427)
Expenditures:			
Principal Paid	292,742	292,743	(1)
Interest Paid	339,601	338,970	631
Other Debt Service	88,576	77,406	11,170
Total Expenditures:	720,919	709,119	11,800
Excess (Deficit) Revenues over (under) Expenditures	2,001,216	1,998,589	(2,627)
Beginning Fund Balance		2,013,775	
Ending Fund Balance		4,012,364	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 4/30/2017

*Capital Projects Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<hr/>			
Revenue:			
Investment Income	400	184	(216)
Total Revenue:	400	184	(216)
Expenditures:			
Capital Outlay	229,000	549,050	(320,050)
Total Expenditures:	229,000	549,050	(320,050)
Transfers, Financing & Capital Outlays			
Transfers in	349,500	229,000	(120,500)
Total Transfers, Financing & Capital Outlays	349,500	229,000	(120,500)
Excess (Deficit) Revenues over (under) Expenditures	120,900	(319,866)	(440,766)
Beginning Fund Balance		2,692,665	
Ending Fund Balance		2,372,799	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 4/30/2017

*Internal Service (Maintenance) Fund  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Charges for Services	1,058,750	1,080,217	21,467
Rents & Contracted Service Income	40,500	34,515	(5,985)
Investment Income	-	(21)	(21)
Other Income	-	11,775	11,775
<b>Total Revenue:</b>	<b>1,099,250</b>	<b>1,126,486</b>	<b>27,236</b>
<b>Expenditures:</b>			
Personal Services	554,200	492,852	61,348
Contracted Services	109,250	59,145	50,105
Operating Expense	221,700	101,573	120,127
Office & Landowner Expense	12,550	9,061	3,489
Insurance	25,900	24,613	1,287
<b>Total Expenditures:</b>	<b>923,600</b>	<b>687,244</b>	<b>236,356</b>
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlays	-	210,242	(210,242)
Transfers out	229,000	229,000	-
<b>Total Transfers, Financing &amp; Capital Outlays</b>	<b>229,000</b>	<b>439,242</b>	<b>(210,242)</b>
<b>Excess (Deficit) Revenues over (under) Expenditures &amp; Transfers</b>	<b>(53,350)</b>	<b>-</b>	<b>53,350</b>
<b>Beginning Fund Balance</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Ending Fund Balance</b>	<b>-</b>	<b>-</b>	<b>-</b>

South Indian River Water Control District  
Budget Calendar  
Fiscal 2017/18

Date	Event
5/26/2017	NAV roll released by Property Appraiser
6/18/2017	Preliminary budget to Board of Supervisors
7/20/2017	Consideration of Proposed budget by Board of Supervisors
7/21/2017	NAV assessment rates to Property Appraiser
8/17/2017	Public Hearing on proposed budget
8/17/2017	Adoption of budget by the Board of Supervisors
9/12/2017	SIRWCD approval of assessment roll to PBC ISS
9/15/2017	SIRWCD certification of assessment roll to Property Appraiser





# South Indian River Water Control District™

*Established 1923*

## MEMORANDUM

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for April 14, 2017 to May 12, 2017  
DATE: May 12, 2017

### ADMINISTRATIVE

1. Conducted monthly review of District canals with aquatic weed spray contractor.
2. On site meetings and phone conversations with Landowners regarding drainage, road conditions, and driveway culvert installations.
3. Attended Staff Meeting.
4. Attended Loxahatchee River Management Coordinating Council meeting.
5. Attended Loxahatchee River Preservation Initiative meeting.
6. Received \$2645.00 from Verizon for monthly cell tower lease.
7. Office Assistant, Carol Wise, and Superintendent, Matt Wood, celebrate five years with the District.
8. Attended Certified District Manager Training Course in Tallahassee.
9. Gym equipment installed at Berman Park. Playground area was re-mulched.
10. Attended Safety Council of Palm Beach County seminar on Fall Protection with Office Administrator, Holly Rigsby and mechanic, Jim Powell.
11. District purchased used Dump Truck.

MEMORANDUM

To: Board of Supervisors

Date: May 12, 2017

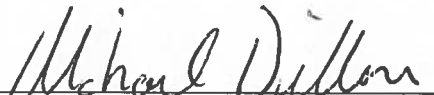
Page 2

**WATER CONTROL**

1. Mowers continue routine maintenance throughout the District.
2. Received 7.46 inches of rain this reporting period.
3. Prepared swales for six culvert installations, inspected four driveway culverts and District crews installed 19 driveway culverts.
4. Terra Tech continues canal spraying for aquatic weed control.
5. Crews continue to replace District drainage culverts at various locations.
6. Drainage swales continue to be re-contoured throughout the District.
7. Received bids for clearing drainage outfalls in Jupiter Farms.
8. Meeting with District Engineer and Landowner to review Canal 13 right-of-way.

**ROAD MAINTENANCE.**

1. Rented 2000 gallon water truck. Roads are being watered as requested.
2. Reviewed roads for the 19<sup>th</sup> Plan of Improvements with District Engineer.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations

To South Indian River Water Control District (SIRWCD)  
Board of Supervisors Pages 3

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CC

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Subject Engineer's Report for May 2017

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From Amy E. Eason, PE, District Engineer

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Board Meeting  
Date May 18, 2017

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The following is a summary of activities and communications that were of significance during the month of May. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

- A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed February 6, 2015 with the request that the landowners submit their response to the District by March 12, 2015. On March 26, 2015, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners who voted on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 3.8 miles):

- 64<sup>th</sup> Way N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 67<sup>th</sup> Trail N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 68<sup>th</sup> Drive N. between 146<sup>th</sup> Road N. and 149<sup>th</sup> Place N.
- 74<sup>th</sup> Avenue N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 75<sup>th</sup> Way N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 77<sup>th</sup> Trail N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 78<sup>th</sup> Drive N. between 155<sup>th</sup> Place N. and 159<sup>th</sup> Court N.
- 81<sup>st</sup> Terrace N. between 150<sup>th</sup> Court N. and 154<sup>th</sup> Court N.
- 149<sup>th</sup> Place between 69<sup>th</sup> Drive N. and 64<sup>th</sup> Way N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. and 79<sup>th</sup> Terrace N.
- 163<sup>rd</sup> Court N. between 75<sup>th</sup> Avenue N. to East End

At the May 2015 meeting, staff was directed to prepare the 18<sup>th</sup> Plan of Improvement. The public hearing for the Plan of Improvement was held on August 20, 2015. Staff was then directed to prepare the Engineer's Report. The public hearing for the Engineer's Report was held at the October 15, 2015 meeting. At the October 15, 2015 meeting, staff was directed to begin survey and design services for the approved 18<sup>th</sup> Plan of Improvement.

On May 20, 2016, an advertisement for bid on the project was published in the Palm Beach Post. Potential bidders picked up bid documents on May 27, 2016 with bids due on June 27, 2016.

After negotiating with the lower bidder, Hardrives, Inc, contract documents were executed and a notice to proceed was issued for October 1, 2016. Staff conducted a substantial complete walk through with the contractor on April 3, 2017. Contractor is completing the punch list items. Staff is prepared to update the board at this month's meeting.

- B. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016. On December 14, 2016 **and on April 14, 2017**, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners who voted on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately **2.4 miles**)

- **76<sup>th</sup> Trail N between 160<sup>th</sup> Lane N and 162<sup>nd</sup> Court N**
- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 81<sup>st</sup> Terrace N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 84<sup>th</sup> Avenue N.
- 160<sup>th</sup> Street N. between 72<sup>nd</sup> Drive N. and 75<sup>th</sup> Avenue N. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End

At the February 2017 Board Meeting, staff receive approval to prepare the 19<sup>th</sup> Plan of Improvements. Staff has been working on this draft plan. **A public hearing for the filing of the resolution to consider approval of an amendment to its current water control plan to include this project is being held at this month's meeting. Staff is prepared to conduct this public hearing and to update the Board on the next steps.**

## II. OPERATION AND MAINTENANCE

- A. The National Pollutant Discharge Elimination System (NPDES) Steering Committee met on **April 19, 2017. The meeting consisted of an update on the status of the final 6<sup>th</sup> Year Annual Report and Interlocal Agreements and a discussion on the Total Maximum Daily Loads (TMDL) for Lake Ida, Hillsboro Canal, and the Loxahatchee River. In addition, a presentation was given on the new Assessment Program. The current water quality monitoring program in the Cycle 3 Permit has been changed to an Assessment Program for the new Cycle 4 Permit. All permittees are required to submit a written assessment program by September 7, 2017.**

On May 23 and 24, 2017, the Stormwater, Erosion, and Sedimentation Control Inspector Training will be held at the Town of Jupiter Community Center. **The next Steering Committee Meeting is scheduled for May 17, 2017. The primary purpose of this meeting is to discuss the Assessment Program.**

- B. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers (ACOE) and South Florida Water Management District (SFWMD) to clarify the operational protocols of South Indian River Water Management District. Efforts

on the sub team include confirming assumptions in the model and aiding in the planning effort.

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce the number of projects that will undergo further analysis. A subsequent meeting was held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District. SFWMD and the ACOE have been working on updating the model with the different scenarios and updating the cost estimates of proposed regional projects for the cost feasibility analysis. These updates are being prepared for the Project Implementation Report (PIR) as part of the ACOE process. **The ACOE has posted some of the preliminary results of the modeling and staff has been reviewing and meeting with both SFWMD and ACOE on the modeling and flood protection subteams. A draft calibration report of the modeling effort has been provided for review and comment along with the results of the alternative analysis. Comments for the draft calibration report are due on May 12, 2017. Based on the initial review of the modeling, the model is being re-conceptualized to ensure that the proper inputs are in the model. Staff will continue to participate in these sub teams on behalf of the District.**

- C. The Loxahatchee River Management Coordinating Council is initiating the process with the Florida Department of Environmental Protection (FDEP) to prepare a Reasonable Assurance plan in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs within the Loxahatchee River watershed. **There is no update for this month on this item. Staff has been invited to be included on a committee to review the modeling efforts for the development of the RA Plan. Staff continues to participate in meetings and committees on this subject and will update the Board as items occur.**
- D. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- E. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- F. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.

## ATTENTION AUDIENCE

- Tonight's meeting is a **PUBLIC HEARING** and then a **BOARD MEETING**.
- The items that the Board is going to discuss are numbered on the **AGENDA**.
- If you would like to comment on any of the items,  
**PLEASE FILL OUT A COMMENT CARD AND CIRCLE THE ITEM IN WHICH YOU WOULD LIKE TO COMMENT ON.**
- **PUBLIC COMMENT** will be taken after the **PRESENTATION** for the Public Hearing and for the Board Meeting, **PUBLIC COMMENT** will be taken after the Board discussion on items that require **BOARD ACTION**.
- Depending on the number of comment cards received, will determine the amount of time you are allowed speak.  
**The President will determine the time allowed to speak.**
- At **8:40 pm**, the meeting will end. We must be out of the space at **9:00 pm**
- **Thank you for your patience!**

# South Indian River Water Control District Public Hearing for the 2016 Landowner Initiated Roadway Improvement Project



**May 18, 2017**

## Item 1: Pledge of Allegiance



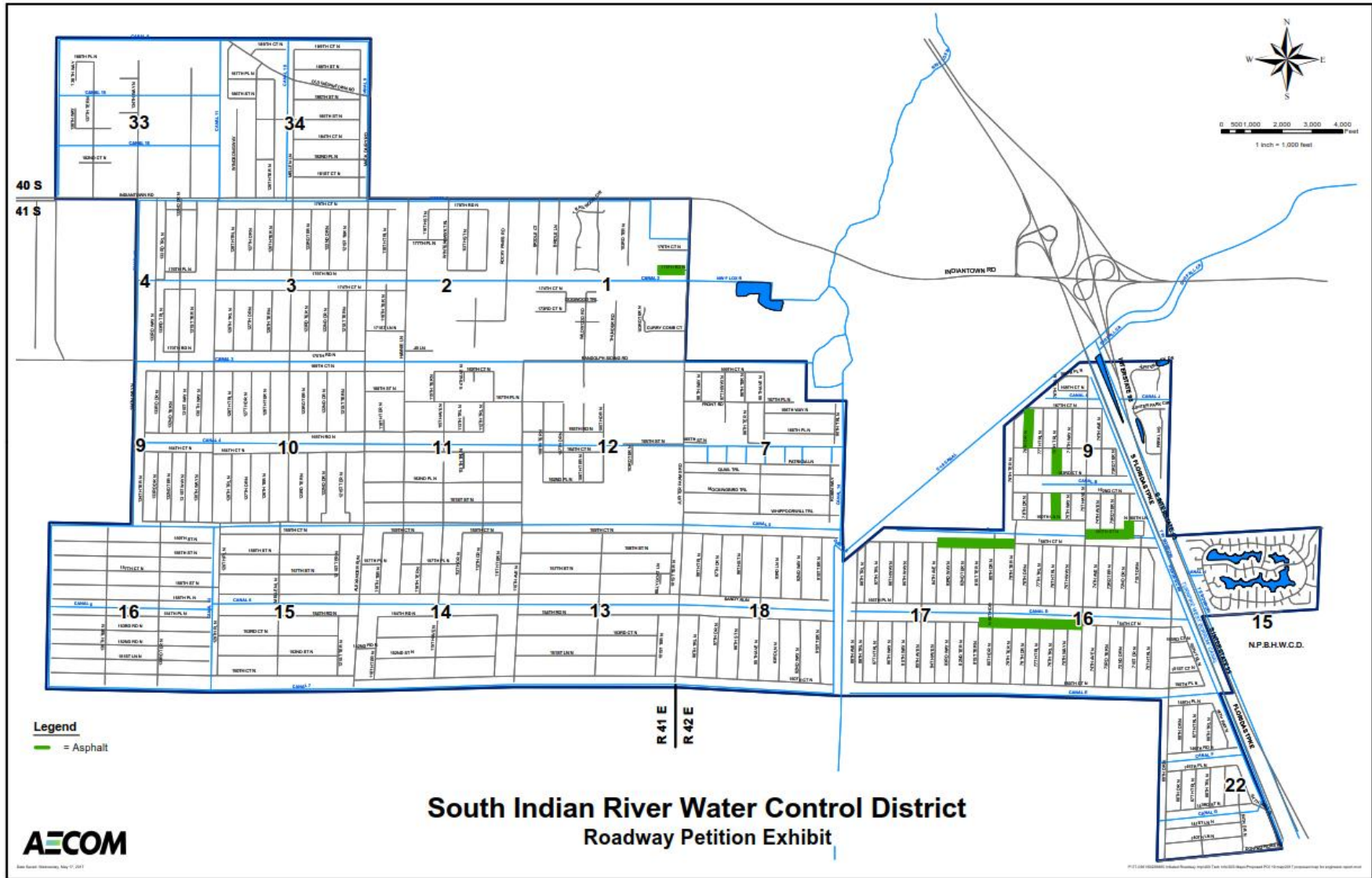


## Proposed 19<sup>th</sup> Plan of Improvements

### Asphalt ( $\pm$ 2.4 miles)

- 76th Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76th Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Ave. and 81<sup>st</sup> Court N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. to 84<sup>th</sup> Avenue N.
- 160<sup>th</sup> Street N. between 75<sup>th</sup> Ave. N. and 72<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End

# Proposed 19<sup>th</sup> Plan of Improvement - Project Location



## Proposed 19<sup>th</sup> Plan of Improvement

- Approximately 2.4 miles
- Estimating \$470,000 per mile
- Approx. 95 assessable lots with 22 corner lots from a previous POI
- Total Estimated Construction Costs = \$1,128,000
- Estimated Payout per lot = \$13,350

### Proposed Schedule

- May 18, 2017 Public Hearing to determine to proceed with the process for approval of the proposed plan
- June or July Final Public Hearing on the Final Plan of Improvement and Engineer's Report



## Item 3: Comment's from Landowners

Landowner's may provide comment to the Board at this time.

**Public Comment**

**Board Discussion**

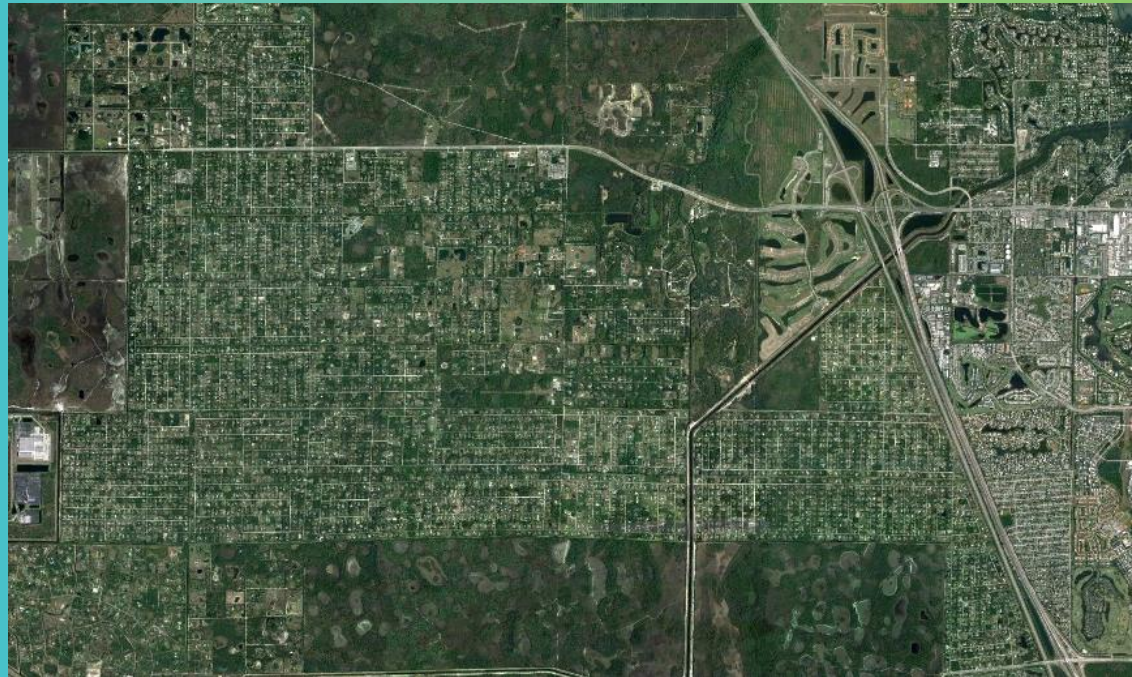


## Item 4: Adjourn

Motion to Adjourn?



# South Indian River Water Control District May Board of Supervisors Meeting



**May 18, 2017**

## Item 1: Consent Agenda

- A. Approval of Minutes of Previous Meeting
- B. Approval of Warrant List

### **Board Discussion**

### **Motion from the Board**

## Item 2: Public Information Report



Presented by Donna J. DeNinno,  
District Public Information Officer



## Item 3: Treasurer's Report



Presented by Chuck Haas, Treasurer

## Item 4: Manager of Operations Report



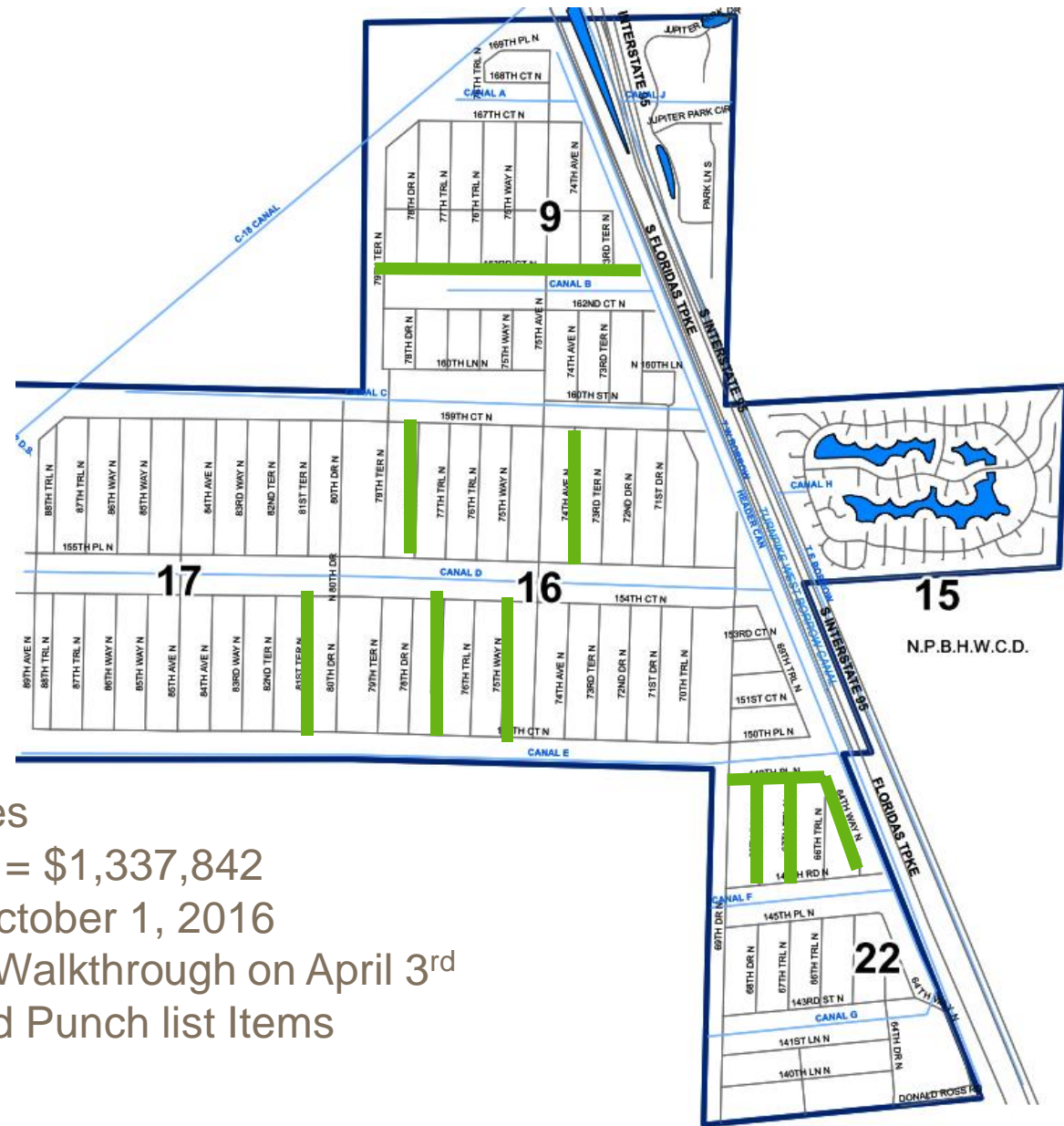
Presented by Mike Dillon  
Manager of Operations

## Item 5: Engineer's Report

Presented by Amy E. Eason, PE,  
District Engineer



# 18<sup>th</sup> Plan of Improvement



- Approximately 3.8 miles
- Total Contract Amount = \$1,337,842
- Notice to Proceed = October 1, 2016
- Substantial Complete Walkthrough on April 3<sup>rd</sup>
- Contractor has finished Punch list Items

# 18<sup>th</sup> Plan of Improvement



149<sup>th</sup> Place N



67<sup>th</sup> Trail N

## Proposed 19<sup>th</sup> Plan of Improvements

### Asphalt ( $\pm$ 2.4 miles)

- 76th Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76th Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Ave. and 81<sup>st</sup> Court N.
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- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End

# 19<sup>th</sup> Plan of Improvement

- Approximately 2.4 miles
- Estimating \$470,000 per mile
- Approx. 95 assessable lots with 22 corner lots from a previous POI
- Total Estimated Construction Costs = \$1,128,000

## Proposed Schedule

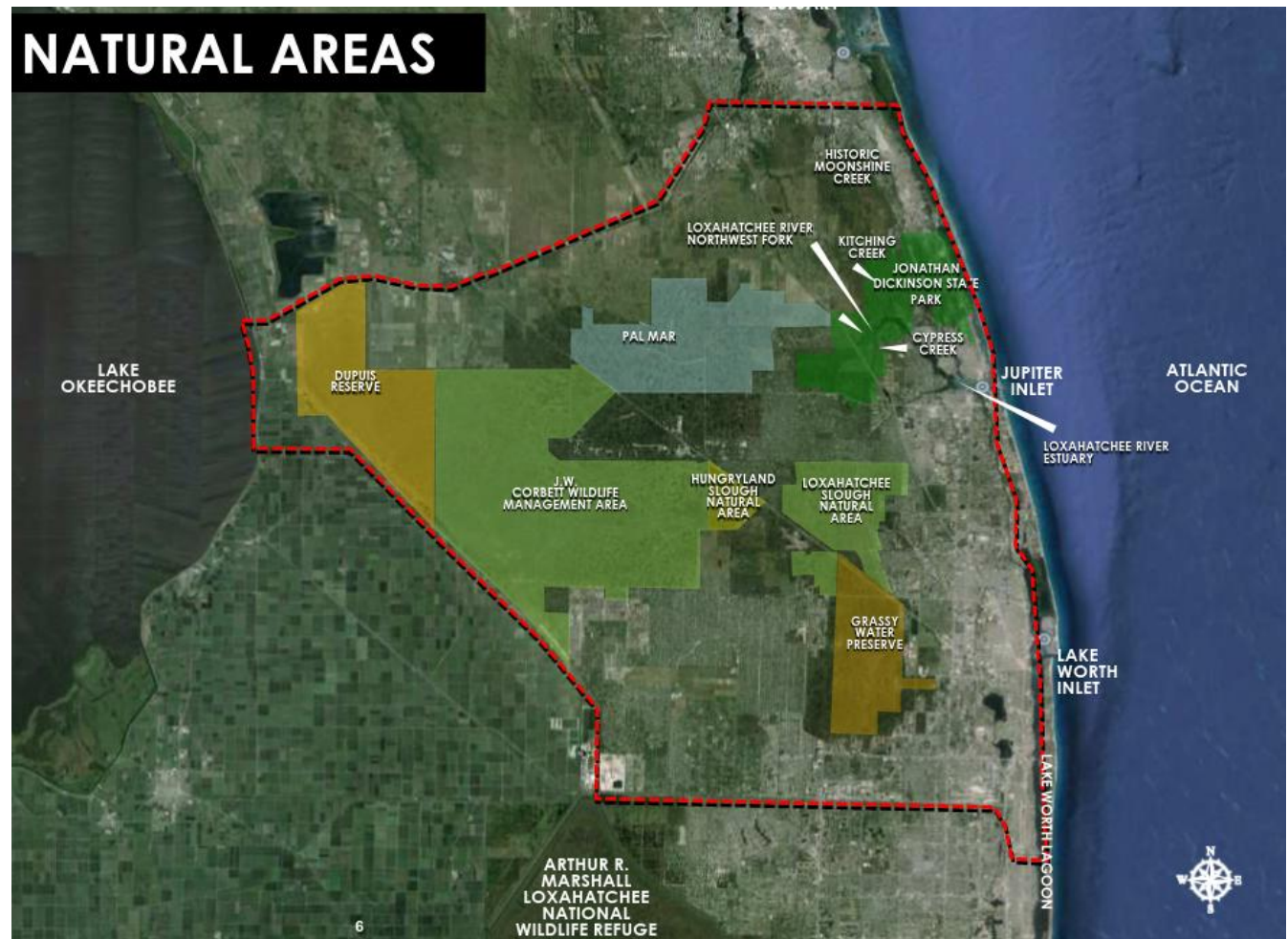
- May 18, 2017 Public Hearing to determine to proceed with the process for approval of the proposed plan
- June/July or August Final Public Hearing on the Final Plan of Improvement and Engineer's Report

## Motion to Approve Preparing of Engineer's Report



# Loxahatchee River Watershed Restoration Project

The Loxahatchee River Watershed Project aims to restore and sustain the overall quantity, quality, timing, and distribution of freshwaters to the federally designated “National Wild and Scenic” Northwest Fork of the Loxahatchee River for current and future generations. This project also seeks to restore, sustain, and reconnect the area’s wetlands and watersheds that form the historic headwaters for the river and its tributaries.





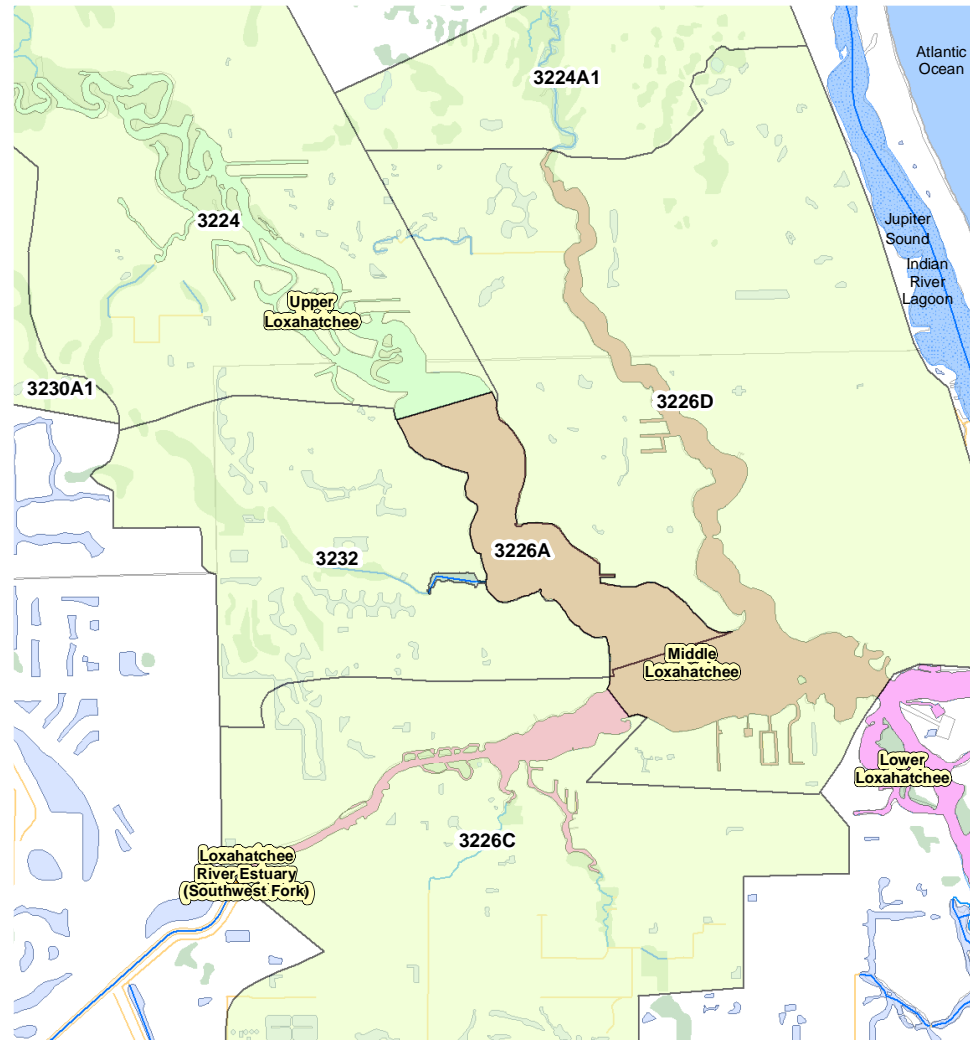
# Loxahatchee River Reasonable Assurance Plan

## Why?

- Used instead of developing a TMDL or BMAP
- Stakeholder document

## Status

- RA Boundaries
- Water Quality Modeling Review
- Development Reduction Criteria
- Prepare Plan
- FDEP Approval
- Updates on implementation of Plan until targets are achieved



## Item 6: Attorney's Report



Presented by  
William G. Capko and Terry E. Lewis,  
District Attorneys



## Item 7: Old Business

### Board Discussion



## Item 8: New Business

### Board Discussion



## Item 9: Landowners' Items

Landowner's may provide comment to the Board at this time.

**Public Comment**

**Board Discussion**



## Item 10: Adjourn

Motion to Adjourn?





# South Indian River Water Control District™

*Established 1923*

## **BOARD OF SUPERVISORS MEETING**

June 29, 2017 – 7:00 p.m.  
Jupiter High School – Media Room  
500 N. Military Trail, Jupiter, FL 33458

### **2016 LANDOWNER INITIATED ROADWAY PROJECT HEARING AGENDA**

1. Pledge of Allegiance
2. Presentation of Proposed 19<sup>th</sup> Plan of Improvements
3. Comments from Landowners
4. Adjourn

### **BOARD MEETING AGENDA**

1. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
2. Public Information Report
3. Treasurer's Report
  - A. Presentation of Preliminary Budget
4. Manager of Operations Report
  - A. Discuss Road Maintenance of Section of Winterhawk Trail off Indiantown Road
5. Engineer's Report
  - A. 19<sup>th</sup> Plan of Improvements
6. Attorney's Report
7. Old business
8. New Business
9. Landowners' Items
10. Adjourn



**DICK GRUENWALD  
ASSOCIATES, LLC**

June 29, 2017

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report- June 2017**

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Monthly Meeting and Public Hearing (*June 29*) release

The following items were updated on the website:

- ❖ Monthly meeting (*Feb. 16, Apr. 20*) minutes
- ❖ Meeting and Public Hearing updates
- ❖ Update About Us page – Special District Overview
- ❖ New Septic System information pages including links
- ❖ Hurricane Preparation story
- ❖ Monthly Staff reports

Attended Monthly Meeting (*May 18*), Staff Meeting (*June 22*)

The District office and staff are reviewing and updating the District's Policy & Procedures Manual. Initial revisions by staff to Chapters 1-6 are currently being incorporated into the manual and a second review will be sent out to staff shortly.

We are starting the July/August newsletter, which will include information on the Proposed 19<sup>th</sup> Plan of Improvements, Palm Beach Country Estates potable water update, Budget Public Hearing and Annual Landowners meeting.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.





To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of June 2017  
CC: Staff  
Date: June 29, 2017

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### **Routine Business**

1. The District received a total of \$5,341,730 in current assessments receipts from the Palm Beach County Tax Collector through May 31, 2017.
2. We continue to work with the District's auditors, Grau & Associates, and will soon be issuing the financial statements for year ending September 30, 2016.
3. The Preliminary Budget for the 2017-18 fiscal year has been prepared and will be sent to the Board under separate cover.
4. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements. (sent under separate cover).

## South Indian River Water Control District

### Statement of Revenues and Expenditures

From 10/01/2016 to 5/31/2017

*All Governmental Funds  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	5,195,298	5,097,846	(97,452)
Rents & Contracted Service Income	-	170	170
Investment Income	2,069	2,905	836
Other Income	12,000	73,352	61,352
<b>Total Revenue:</b>	5,209,367	5,174,273	(35,094)
<b>Expenditures:</b>			
Contracted Services	414,625	335,761	78,864
Operating Expense	1,248,200	1,342,622	(94,422)
Office & Landowner Expense	230	197	33
Capital Outlay	229,000	1,364,770	(1,135,770)
Other Debt Service	88,576	82,390	6,186
<b>Total Expenditures:</b>	2,612,974	3,757,453	(1,144,479)
<b>Transfers, Financing &amp; Capital Outlays</b>			
Transfers in	349,500	229,000	(120,500)
Transfers out	(85,250)	(85,250)	-
Financings-Net	-	-	-
<b>Total Transfers, Financing &amp; Capital Outlays</b>	264,250	143,750	(120,500)
<b>Total Expenditures &amp; Other Financing</b>	2,348,724	3,613,703	(1,023,979)
<b>Excess (Deficit) Revenues over (under) Expenditures and Other Financing Sources (Uses)</b>	2,860,643	1,560,570	1,300,073
Beginning Fund Balance		6,465,745	
Ending Fund Balance		8,026,315	

# South Indian River Water Control District

## Statement of Revenues and Expenditures

From 10/01/2016 to 5/31/2017

*Special Revenue Funds*  
(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	2,393,902	2,398,128	4,226
Rents & Contracted Service Income	-	170	170
Investment Income	1,400	1,362	(38)
Other Income	12,000	39,573	27,573
<b>Total Revenue:</b>	2,407,302	2,439,233	31,931
<b>Expenditures:</b>			
Contracted Services	414,625	335,761	78,864
Operating Expense	1,248,200	1,342,622	(94,422)
Office & Landowner Expense	230	197	33
<b>Total Expenditures:</b>	1,663,055	1,678,580	(15,525)
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlays	-	(85,800)	85,800
Transfers out	(85,250)	(85,250)	-
<b>Total Transfers, Financing &amp; Capital Outlays</b>	(85,250)	(171,050)	85,800
<b>Total Expenditures &amp; Other Financing</b>	1,748,305	1,849,630	(101,325)
<b>Excess (Deficit) Revenues over (under) Expenditures &amp; Other Financing Sources (Uses)</b>	658,997	589,603	(69,394)
<b>Beginning Fund Balance</b>		1,759,305	
<b>Ending Fund Balance</b>		2,348,908	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 5/31/2017

*Debt Service Funds*  
*(In Whole Numbers)*

	<u>YTD Budget</u>	<u>Year to Date Actual</u>	<u>Budget Variance</u>
Revenue:			
Assessments - Net	2,801,396	2,699,718	(101,678)
Investment Income	269	1,095	826
Other Income	-	33,779	33,779
Total Revenue:	2,801,665	2,734,592	(67,073)
Expenditures:			
Principal Paid	292,742	292,743	(1)
Interest Paid	339,601	338,970	631
Other Debt Service	88,576	82,390	6,186
Total Expenditures:	720,919	714,103	6,816
Excess (Deficit) Revenues over (under) Expenditures	2,080,746	2,020,489	(60,257)
Beginning Fund Balance		2,013,775	
Ending Fund Balance		4,034,264	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 5/31/2017

*Capital Projects Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Investment Income	400	448	48
Total Revenue:	400	448	48
Expenditures:			
Capital Outlay	229,000	1,450,570	(1,221,570)
Total Expenditures:	229,000	1,450,570	(1,221,570)
Transfers, Financing & Capital Outlays			
Transfers in	349,500	229,000	(120,500)
Total Transfers, Financing & Capital Outlays	349,500	229,000	(120,500)
Excess (Deficit) Revenues over (under) Expenditures	120,900	(1,221,122)	(1,342,022)
Beginning Fund Balance		2,692,665	
Ending Fund Balance		1,471,543	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 5/31/2017

*Internal Service (Maintenance) Fund  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Charges for Services	1,210,000	1,251,210	41,210
Rents & Contracted Service Income	40,500	45,160	4,660
Investment Income	-	(94)	(94)
Other Income	-	12,053	12,053
<b>Total Revenue:</b>	1,250,500	1,308,329	57,829
<b>Expenditures:</b>			
Personal Services	627,650	623,889	3,761
Contracted Services	119,950	84,196	35,754
Operating Expense	248,500	123,019	125,481
Office & Landowner Expense	17,050	9,919	7,131
Insurance	29,600	28,064	1,536
<b>Total Expenditures:</b>	1,042,750	869,087	173,663
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlays	-	210,242	(210,242)
Transfers out	229,000	229,000	-
<b>Total Transfers, Financing &amp; Capital Outlays</b>	229,000	439,242	(210,242)
<b>Excess (Deficit) Revenues over (under) Expenditures &amp; Transfers</b>	(21,250)	-	21,250
<b>Beginning Fund Balance</b>	-	-	-
<b>Ending Fund Balance</b>	-	-	-



# South Indian River Water Control District™

*Established 1923*

## MEMORANDUM

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for May 13, 2017 to June 22, 2017  
DATE: June 22, 2017

### ADMINISTRATIVE

1. Conducted monthly review of District canals with aquatic weed spray contractor.
2. On-site meetings and phone conversations with Landowners regarding drainage, road conditions, and driveway culvert installations.
3. Attended Staff meeting.
4. Attended Loxahatchee River Management Coordinating Council meeting.
5. Attended Loxahatchee River Preservation Initiative meeting.
6. Received \$2,645.00 from Verizon for monthly cell tower lease.
7. Meetings with District Treasurer to review 2017-18 budget.
8. Received bids for security cameras at District Work Center.
9. Operator, Jeff Borus completes Storm Water Management Inspector Training Program.
10. Attended South Florida Water Management District's Open House on FDEP rule changes for underground storage tanks.
11. Attended Florida Association of Special Districts annual conference in Orlando.

MEMORANDUM

To: Board of Supervisors

Date: June 22, 2017

Page 2

**WATER CONTROL**

1. Mowers continue routine maintenance throughout the District.
2. Received 13.17 inches of rain this reporting period.
3. Prepared swales for three culvert installations, inspected five driveway culverts and District crews installed 19 driveway culverts.
4. Terra Tech continues canal spraying for aquatic weed control.
5. Crews continue to replace District drainage culverts at various locations.
6. Drainage swales continue to be re-contoured throughout the District.

**ROAD MAINTENANCE.**

1. Rented 2000 gallon water truck. Roads are being watered as requested.
2. Lake Point Restoration hauled 633 tons of shellrock to District yard.
3. Roads are being re-contoured for proper storm water run-off.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations



To South Indian River Water Control District (SIRWCD)  
Board of Supervisors Pages 3

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CC

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Subject Engineer's Report for June 2017

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From Amy E. Eason, PE, District Engineer

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Board Meeting  
Date June 29, 2017

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The following is a summary of activities and communications that were of significance during the month of June. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016. On December 14, 2016 and on April 14, 2017, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately 2.4 miles)

- 76<sup>th</sup> Trail N between 160<sup>th</sup> Lane N and 162<sup>nd</sup> Court N
- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 81<sup>st</sup> Terrace N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and 84<sup>th</sup> Avenue N.
- 160<sup>th</sup> Street N. between 72<sup>nd</sup> Drive N. and 75<sup>th</sup> Avenue N. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End

At the February 2017 Board Meeting, staff receive approval to prepare the 19<sup>th</sup> Plan of Improvements. **A public hearing for the filing of the resolution to consider approval of an amendment to its current water control plan to include this project was held on May 18, 2017. At this meeting, the board approved staff to prepare the Engineer's Report and draft Plan of Improvement. The Engineer's Report was filed on May 26, 2017. A final hearing to consider approval of the report and proposed water control plan amendment is being held at this month's meeting. Staff is prepared to conduct this public hearing and to update the Board on the next steps.**

**II. OPERATION AND MAINTENANCE**

- A. The National Pollutant Discharge Elimination System (NPDES) Steering Committee met on **May 17, 2017 and June 21, 2017**. **The May meeting consisted of a presentation and discussion on the elements of an assessment program document, and the June 21, 2017 meeting consisted of results of the recent audit along with a presentation from the Florida Department of Environmental Protection on the Cycle 4 Permit Program**. All permittees are required to submit a written assessment program by September 7, 2017. **Staff met to discuss the details of the assessment program. The next Steering Committee Meeting is scheduled for August 16, 2017 to discuss the Total Maximum Daily Load (TMDL) Outfall Prioritization Plan and the Loxahatchee River Reasonable Assurance Plan (RAP)**.
- B. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers (ACOE) and South Florida Water Management District (SFWMD) to clarify the operational protocols of South Indian River Water Management District. Efforts on the sub team include confirming assumptions in the model and aiding in the planning effort.

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce the number of projects that will undergo further analysis. A subsequent meeting was held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District. SFWMD and the ACOE have been working on updating the model with the different scenarios and updating the cost estimates of proposed regional projects for the cost feasibility analysis. These updates are being prepared for the Project Implementation Report (PIR) as part of the ACOE process. The ACOE has posted some of the preliminary results of the modeling and staff has been reviewing and meeting with both SFWMD and ACOE on the modeling and flood protection subteams. A draft calibration report of the modeling effort has been provided for review and comment along with the results of the alternative analysis. Comments for the draft calibration report are due on May 12, 2017. Based on the initial review of the modeling, the model is being re-conceptualized to ensure that the proper inputs are in the model. Staff will continue to participate in these sub teams on behalf of the District.

- C. The Loxahatchee River Management Coordinating Council is initiating the process with the Florida Department of Environmental Protection (FDEP) to prepare a Reasonable Assurance plan in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs within the Loxahatchee River watershed. **Staff attended a committee meeting to review the modeling efforts for the development of the RA Plan on May 23, 2017. FDEP and stakeholders discussed the model, and staff subsequently requested for more details on the model inputs and results. As a result of the committee meeting, stakeholders attended another meeting on June 7, 2017 to discuss RAP options. Staff**



**continues to participate in meetings and committees on this subject and will update the Board as items occur.**

- D. Staff has been working together to update the Policy and Procedure Manual. This month, staff concentrated its efforts on Chapters 1, 2, 3, 5, and 6. Staff will continue to work on this effort.**
- E. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- F. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- G. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.

## ATTENTION AUDIENCE

- Tonight's meeting is a **PUBLIC HEARING** and then a **BOARD MEETING**.
- The items that the Board is going to discuss are numbered on the **AGENDA**.
- If you would like to comment on any of the items,  
**PLEASE FILL OUT A COMMENT CARD AND CIRCLE THE ITEM IN WHICH YOU WOULD LIKE TO COMMENT ON.**
- **PUBLIC COMMENT** will be taken after the **PRESENTATION** for the Public Hearing and for the Board Meeting, **PUBLIC COMMENT** will be taken after the Board discussion on items that require **BOARD ACTION**.
- Depending on the number of comment cards received, will determine the amount of time you are allowed speak.  
**The President will determine the time allowed to speak.**
- At **8:40 pm**, the meeting will end. We must be out of the space at **9:00 pm**
- **Thank you for your patience!**

# South Indian River Water Control District Public Hearing for the 2016 Landowner Initiated Roadway Improvement Project



**June 29, 2017**

## Item 1: Pledge of Allegiance

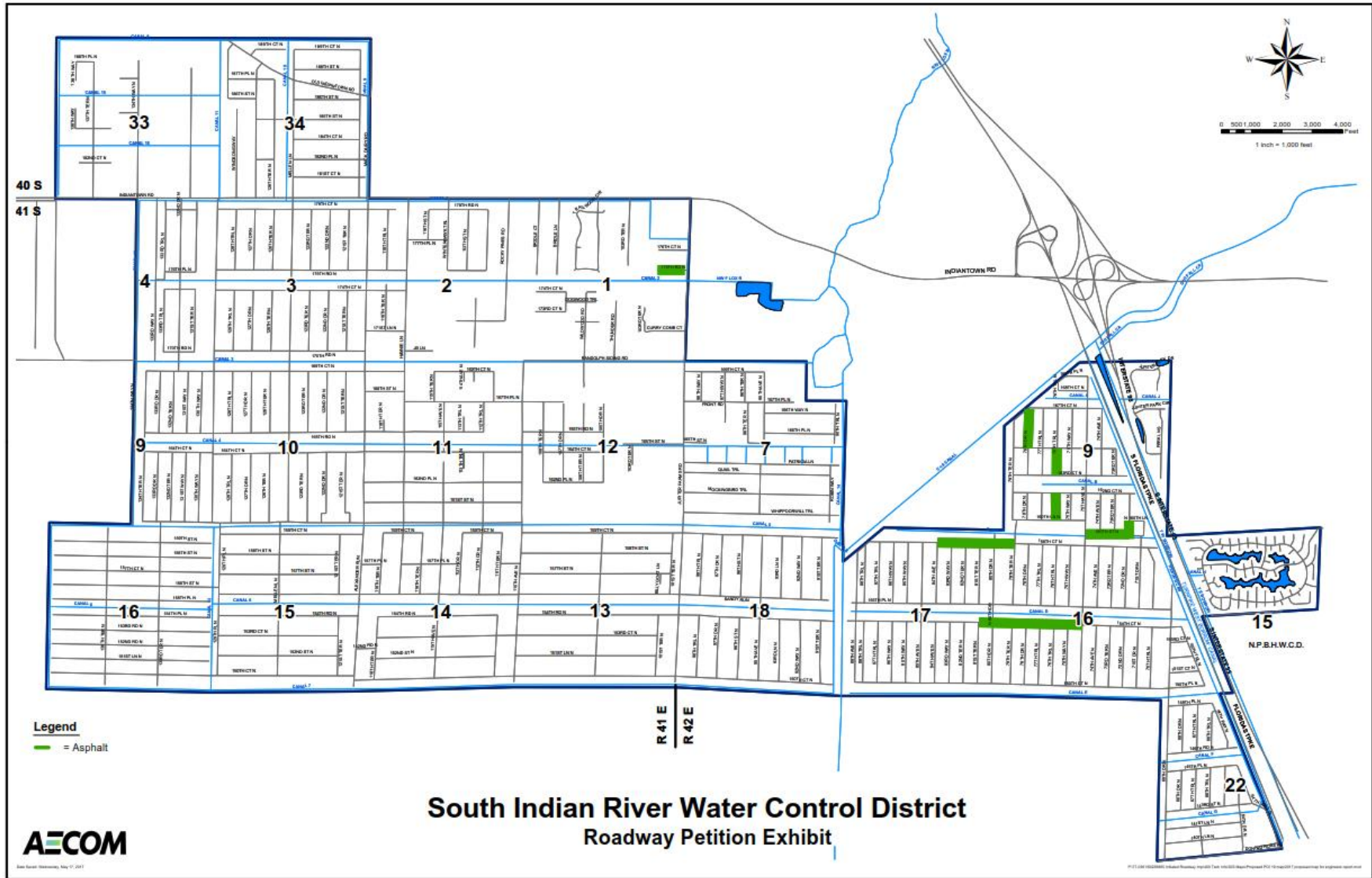


## Proposed 19<sup>th</sup> Plan of Improvements

### Asphalt ( $\pm$ 2.4 miles)

- 76th Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76th Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Ave. and 81<sup>st</sup> Court N.
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- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End

# Proposed 19<sup>th</sup> Plan of Improvement - Project Location





## Proposed 19<sup>th</sup> Plan of Improvement

- Approximately 2.4 miles
- Estimating \$470,000 per mile
- Approx. 95 assessable lots with 22 corner lots from a previous POI
- Total Estimated Construction Costs = \$1,128,000
- Estimated Payout per lot = \$13,350



## Item 3: Comment's from Landowners

Landowner's may provide comment to the Board at this time.

**Public Comment**

**Board Discussion**

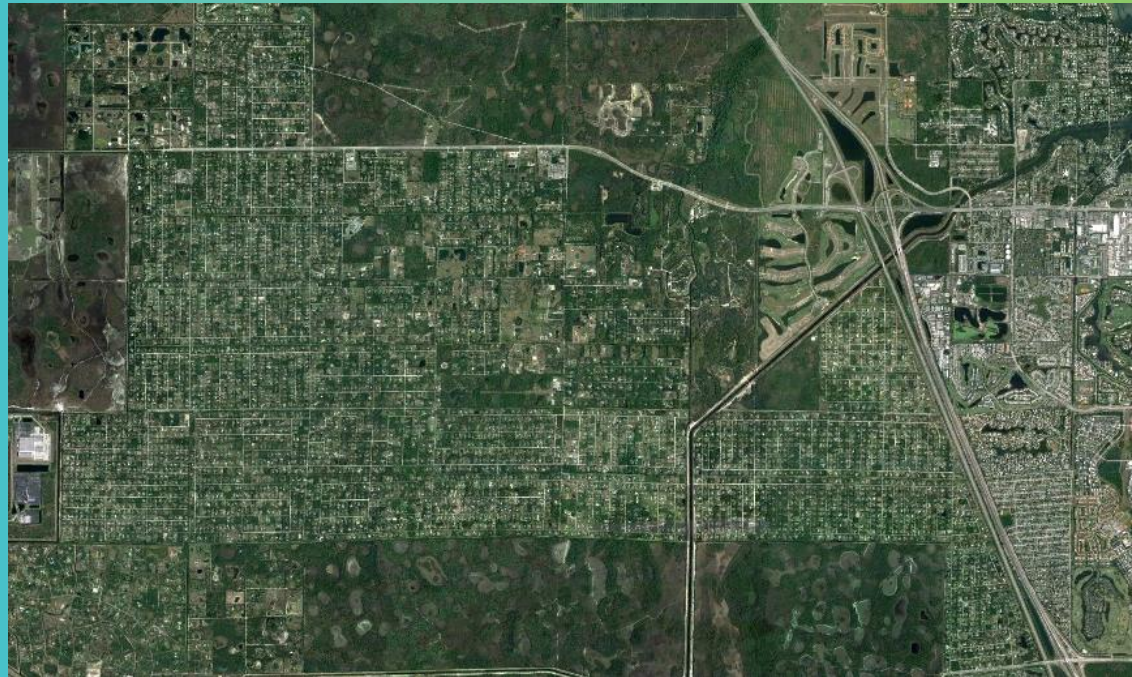


## Item 4: Adjourn

Motion to Adjourn?



# South Indian River Water Control District June Board of Supervisors Meeting



**June 29, 2017**

## Item 1: Consent Agenda

- A. Approval of Minutes of Previous Meeting
- B. Approval of Warrant List

### **Board Discussion**

### **Motion from the Board**

## Item 2: Public Information Report



Presented by Donna J. DeNinno,  
District Public Information Officer

## Item 3: Treasurer's Report

### A. Presentation of Preliminary Budget – Fiscal Year 2017/2018



Presented by  
Chuck Haas, Treasurer

# Combined Budget

DESCRIPTION	CURRENT		PRELIMINARY
	BUDGET	ESTIMATED	BUDGET
	2016/2017	2016/2017	2017/2018
<b>Revenue</b>			
Assessments	\$ 5,486,450	\$ 5,382,700	\$ 4,867,800
Less discounts	(219,692)	(192,554)	(194,900)
Intergovernmental revenue	35,800	35,841	35,800
Investment earnings	3,690	1,254	3,430
Other revenue	36,000	88,046	36,000
<b>Total Revenue</b>	<b>5,342,248</b>	<b>5,315,287</b>	<b>4,748,130</b>
<b>Expenditures</b>			
Current:			
Water control	1,142,830	1,111,228	1,320,840
Road maintenance	1,065,980	1,025,584	1,066,660
Park maintenance	24,600	13,168	24,600
Capital outlay:			
Road renewal	150,000	1,615,000	150,000
Canal Improvements	-	65,000	-
Park improvements	-	-	-
Equipment	65,000	195,000	79,000
Debt service:			
Interest	669,396	663,615	593,846
Principal	2,175,315	2,175,317	1,375,901
Other	153,268	142,217	110,250
<b>Total Expenditures</b>	<b>5,446,389</b>	<b>7,006,129</b>	<b>4,721,097</b>
<b>Excess revenues over expenditures</b>	<b>(104,141)</b>	<b>(1,690,842)</b>	<b>27,033</b>
Appropriated fund balance, beginning	3,751,213	5,251,473	3,608,685
<b>Appropriated fund balance, ending</b>	<b>\$ 3,647,072</b>	<b>\$ 3,560,631</b>	<b>\$ 3,635,718</b>
<b>Fund Balance, Ending:</b>			
<b>Committed Funds</b>	<b>\$ 1,949,859</b>	<b>\$ 1,874,777</b>	<b>\$ 2,127,715</b>
<b>Assigned Funds</b>	<b>1,697,213</b>	<b>1,685,854</b>	<b>1,508,003</b>



# Summary of Budgeted Assessments

	PRELIMINARY BUDGET 2017/2018	CURRENT BUDGET 2016/2017
<b>SIRWCD ONGOING PROGRAMS:</b>		
<b>Operations</b>		
Water Control		
East Side -Maintenance	\$ 330,000	\$ 300,000
West Side-Maintenance	1,003,800	978,800
Road Maintenance		
PBCE	405,000	367,500
Jupiter Farms	795,000	770,000
PBCE Park-Maintenance	96,000	96,000
<b>Debt Service</b>		
<b>Area Wide Debt Service</b>		
2011 Section 15 Egret Landing Refunding Note	0	535,000
2015 PBCE Water Distribution System Bonds	1,200,000	1,200,000
<b>Project Based Debt Service</b>		
2004 Road Improvement Note Series A	0	210,000
2004 Road Improvement Note Series B	0	8,000
2004 Road Improvement Note Series C	40,000	40,000
2007 Road Improvement Note- Series A	213,400	213,400
2007 Road Improvement Note- Series B	15,100	15,100
2007 Road Improvement Note- Series C	21,500	21,500
2011 16A POI Road Improvement Note	36,200	36,200
2011 16B POI Road Improvement Note	144,800	144,800
2013 17TH POI Road Improvements-Series A	12,640	12,600
2013 17TH POI Road Improvements-Series B	66,360	66,400
2016 18TH POI Road Improvements	189,000	189,000
2009 Hookup Financing Note-3/4" Meter	214,400	214,400
2009 Hookup Financing Note-1" Meter	15,600	15,600
<b>TOTAL SIRWCD ONGOING PROGRAMS</b>	<b>\$ 4,798,800</b>	<b>\$ 5,434,300</b>
<b>TOJ Hookup Financing</b>	<b>\$ 69,325</b>	<b>\$ 52,150</b>
<b>TOTAL ALL PROGRAMS</b>	<b>\$ 4,868,125</b>	<b>\$ 5,486,450</b>

# Typical Assessment by Unit

	Typical Acre	Nbr. Of Units	Typical Parcel Assessment (\$)	Typical Parcel Assessment (\$)	Increase (Decrease) (\$)	% Increase	% (Decrease)
			2016/2017	2017/2018			
<b>RESIDENTIAL</b>							
PBCE (Excluding Hookup Financing & Road Improvement Notes)	1.15	1,531	1,238	1,278	40.00	3.23%	
PBCE, No Road Maintenance	1.15	15	998	1,013	15.00	1.50%	
Egret Landing	0.25	666	844	37	(807.00)		-95.62%
Jupiter Farms (Excluding Road Improvement Notes)	1.25	4,550	309	318	9.00	2.91%	
Jupiter Farms, No Road Maintenance	1.25	558	139	143	4.00	2.88%	
2004 Road Improvement Note Series C		70	574	574	-		0.00%
2007 OGEM Road Improvement Note- Series A		569	380	380	-		0.00%
2007 OGEM Road Improvement Note- Series B		46	330	330	-		0.00%
2007 OGEM Road Improvement Note- Series C		25	860	860	-		0.00%
2009 Hookup Financing Note 3/4" Meter		536	400	400	-		0.00%
2009 Hookup Financing Note 1" Meter		15	988	988	-		0.00%
2011 16A POI Road Improvement Note		71	510	510	-		0.00%
2011 16B POI Road Improvement Note		168	873	873	-		0.00%
2013 17TH POI Road Improvements-Series A		11	1,150	1,150	-		0.00%
2013 17TH POI Road Improvements-Series B		57	1,170	1,170	-		0.00%
2016 18TH POI Road Improvements		165	1,150	1,150	-		0.00%
TOJ Hookup Financing 3/4" Metter		170	350	362	12.00	3.43%	
TOJ Hookup Financing 1"Meter		9	840	865	25.00	2.98%	

# Combined Assessment Roll

			MAINTENANCE RATES				DEBT SERVICE RATES			
			Per Acre	Per Parcel			Per Parcel			
Assessment Unit Name	Acreage	Parcels	Water Control	Road Maint.	Park Maint.	Total Maint.	2011 Section 15 Egret Landing Refunding Note	2015 PBCE Water Distribution System Bonds	TOTAL DEBT	GRAND TOTAL
PBCE- Water Control, Road Maint	1,959	1,531	\$148	\$265	\$63	\$476		\$780	\$780	\$1,256
PBCE- Water Control, No Road Maint	18	15	\$148		\$63	\$211		\$780	\$780	\$991
Jupiter Farms- Water Control, Road Maint	7,035	4,550	\$114	\$175		\$289			\$0	\$289
Jupiter Farms- Water Control, No Road Maint	1,819	558	\$114			\$114			\$0	\$114
Egret Landing	154	666	\$148			\$148	\$0		\$0	\$148
Jup. Commerce Park	106	106	\$148			\$148			\$0	\$148

## Combined Assessment Roll (cont.)

Road Improvement Projects	Nbr of Parcels	Road Improvement Assessment Rate	Hookup Financing Assessment	Total
POI 12: 2004 Rd Imp Series A	684	\$0		\$0
POI 10: 2004 Rd Imp Series B	402	\$0		\$0
POI 11: 2004 Rd Imp Series C	70	\$574		\$574
POI 14: 2007 Rd Imp Series A	569	\$380		\$380
POI 15: 2007 Rd Imp Series B	46	\$330		\$330
POI 15: 2007 Rd Imp Series C	25	\$860		\$860
POI 16: 2011 Rd Imp Series 16A	71	\$510		\$510
POI 16: 2011 Rd Imp Series 16B	166	\$873		\$873
2013 17TH POI Road Improvements-Series A	11	\$1,150		\$1,150
2013 17TH POI Road Improvements-Series B	57	\$1,170		\$1,170
2016 18TH POI Road Improvements	165	\$1,150		\$1,150

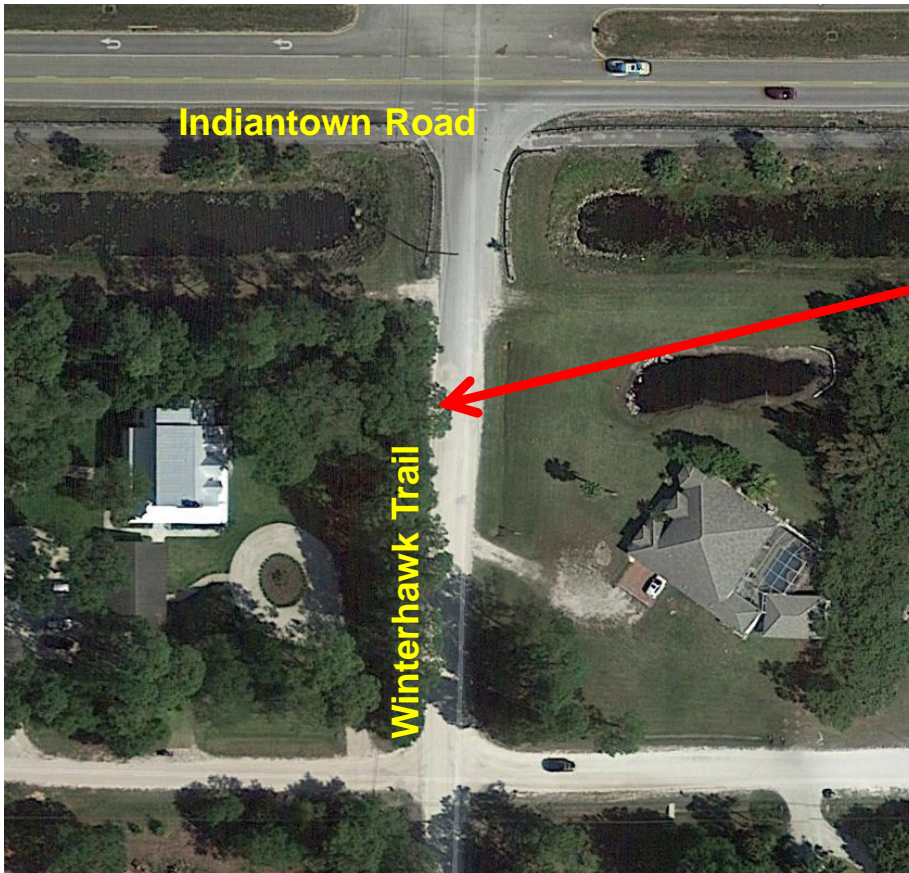
Hookup Financing Projects	Nbr of Parcels	Road Improvement Assessment Rate	Hookup Financing Assessment	Total
Hookup Financing - 3/4" Meter	536		\$400	\$400
Hookup Financing - 1" Meter	16		\$988	\$988
TOJ Hookup Financing 3/4" Meter	170		\$362	\$865
TOJ Hookup Financing 1" Meter	9		\$865	\$865

## Item 4: Manager of Operations Report



Presented by Mike Dillon  
Manager of Operations

## A. Road Maintenance on Winterhawk Trail



## Item 5: Engineer's Report

Presented by Amy E. Eason, PE,  
District Engineer



## Proposed 19<sup>th</sup> Plan of Improvements

### Asphalt (±2.4 miles)

- 76th Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76th Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Ave. and 81<sup>st</sup> Court N.
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- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End



# 19<sup>th</sup> Plan of Improvement

- Approximately 2.4 miles
- Estimating \$470,000 per mile
- Approx. 95 assessable lots with 22 corner lots from a previous POI
- Total Estimated Construction Costs = \$1,128,000

## Motion to Approve Engineer's Report and Plan of Improvements

### Next Steps

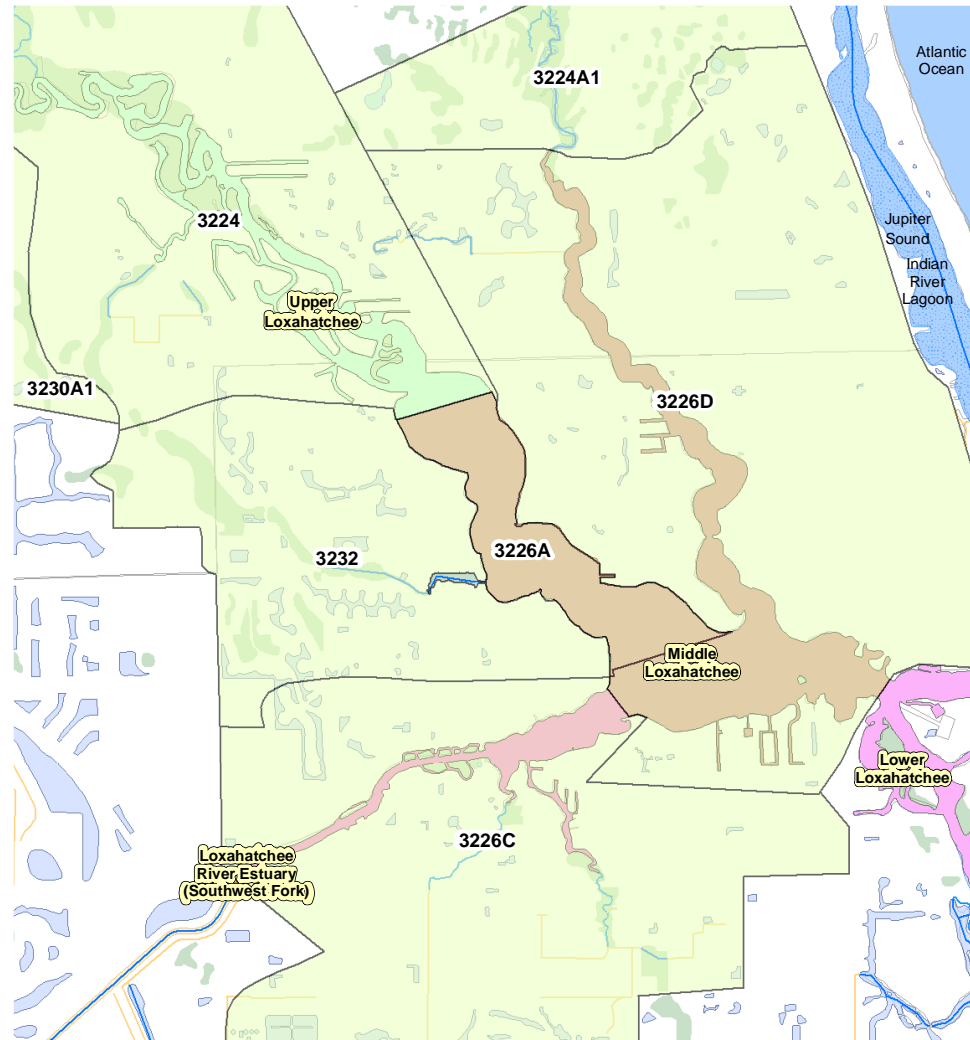
- Submit plan to SFWMD for review and comment
- Complete any ditch work or pipe relocations
- Begin survey work for design
- Begin design



# Loxahatchee River Reasonable Assurance Plan

## Activities since last meeting

- Met with FDEP concerning the water quality model
- Met with key members of the Palm Beach County NPDES Steering Committee
- Contacted FDEP on clarification items concerning the process



## Item 6: Attorney's Report



Presented by  
William G. Capko and Terry E. Lewis,  
District Attorneys



## Item 7: Old Business

### Board Discussion



## Item 8: New Business

### Board Discussion



## Item 9: Landowners' Items

Landowner's may provide comment to the Board at this time.

**Public Comment**

**Board Discussion**



## Item 10: Adjourn

Motion to Adjourn?





# South Indian River Water Control District™

*Established 1923*

## **BOARD OF SUPERVISORS MEETING**

July 20, 2017 – 6:00 p.m.  
District Work Center  
15600 Jupiter Farms Rd., Jupiter, FL 33478

### **BOARD MEETING AGENDA**

1. Pledge of Allegiance
2. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
  - C. Approval to Pay August 1, 2017 Debt Service Payments
3. Supervisor Appointment
4. Election of New Vice-President
4. Adjourn

### **WATER QUALITY WORKSHOP**

1. Engineer's Presentation Regarding Water Quality
2. Adjourn



# South Indian River Water Control District Water Quality Workshop



**July 20, 2017**

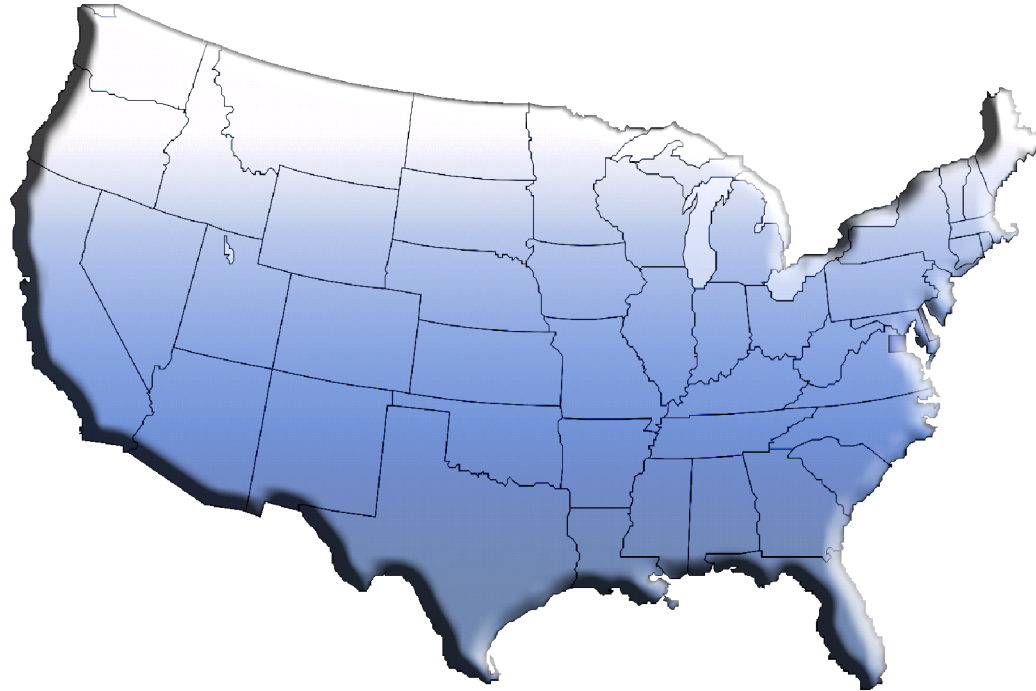
## Discussion Agenda

- Ø Water Quality Standards
  - Ø Trends
  - Ø Numeric Nutrient Criteria
  - Ø Waterbody Classifications
  
- Ø FDEP Impaired Waters Program
  - Ø Loxahatchee River Watershed
  - Ø SIRWCD WBIDs
  
- Ø Reassurance Plan
  
- Ø Watershed Assessment Program
  
- Ø SIRWCD Water Quality Monitoring
  
- Ø Loxahatchee River Watershed Restoration Project



## Water Quality Standards - Trends

- More stringent requirements developing across the country
- Agencies discharging to sensitive water bodies leading the way
- Working to advance stormwater treatment technology levels



# Facts Driving Water Quality

## Direct Outcomes of High TN and TP Loadings

- g Harmful algal blooms
- g Fish kills
- g Reduced spawning grounds
- g Degraded nursery habitats
- g "Dead" zones



## Public Health Concerns

- § Consumption of Fish
- § Suitability for Contact Recreation
- § Impaired drinking water sources
- § Increased exposure to toxic microbes

Over 300 US Coast areas experienced hypoxia in 2008 versus 12 areas in 1960.



# Numeric Nutrient Criteria

## Numeric Nutrient Criteria (NNC)

- § EPA Proposed Draft Rules in January 2010
- § FDEP petitioned EPA to cease in their determination of the NNC for Florida
- § FDEP published a draft of the proposed rule on September 29, 2011
- § The Environmental Regulation Commission (ERC) passed rule December 8, 2011
- § The rules were ratified by the Florida Legislature and signed into law (HB 7051) by Governor Rick Scott
- § EPA approved FDEP's NNC on November 30, 2012
- § FDEP's rule did not cover all the waters in the state



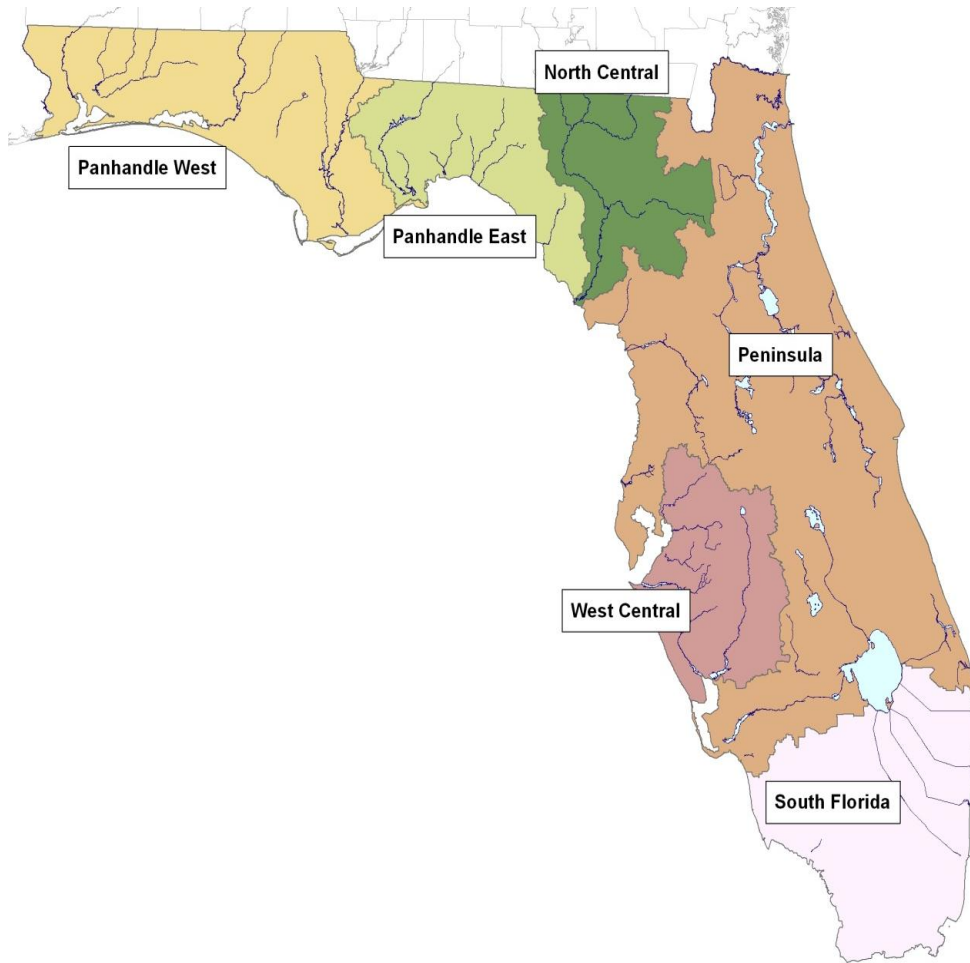
# Numeric Nutrient Criteria

## “Path Forward”

- § EPA and FDEP’s “Path Forward” agreement on March 15, 2013
- § Plan for FDEP to develop NNC for the remaining water bodies by EPA’s deadline on September 30, 2013
- § FDEP adopted a NNC Implementation Document April 23, 2013
- § FDEP adopted Criteria for Additional Waterbodies on June 20, 2013
- § Status report to Governor on August 1, 2013 titled, *“Status of Efforts to Establish Numeric Interpretations of the Narrative Nutrient Criterion for Florida Estuaries and Current Nutrient Conditions of Unimpaired Waters”*



# Numeric Nutrient Criteria - Streams

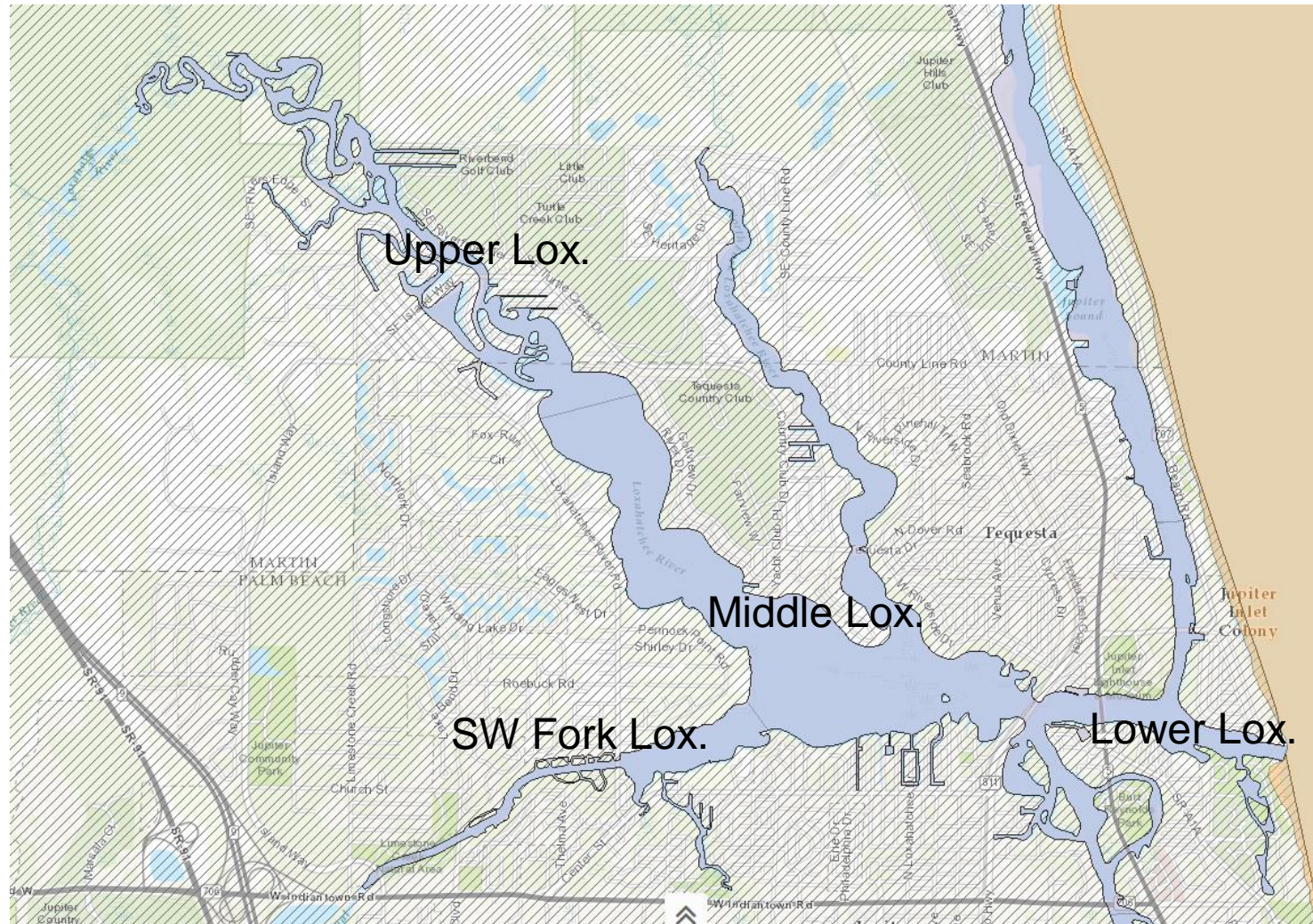


Nutrient Region	Total Phosphorus Threshold	Total Nitrogen Threshold
Panhandle West	0.06 mg/L	0.67 mg/L
Panhandle East	0.18 mg/L	1.03 mg/L
North Central	0.30 mg/L	1.87 mg/L
Peninsula	0.12 mg/L	1.54 mg/L
West Central	0.49 mg/L	1.65 mg/L
South Florida	No numeric nutrient threshold. The narrative criterion in paragraph 62-302.530(47)(b), F.A.C., applies.	

Floral Metric	Evidentiary Threshold of No Imbalances
<b>Chlorophyll</b>	< 20 ug/L; 3.2 to 20 ug/L = site specific

Floral measures summary. These values were based on the distribution of a population of minimally disturbed Benchmark sites sampled by the Department as part of Numeric Nutrient Criteria development (the same benchmark sites EPA used for their criteria).

# Numeric Nutrient Criteria – Loxahatchee Estuary





## Numeric Nutrient Criteria – Loxahatchee Estuary

<b>Loxahatchee River Estuary</b>	For estuary segments with criteria expressed as annual geometric means (AGM), the values shall not be exceeded more than once in a three year period. For all other estuary segments, the criteria shall not be exceeded in more than 10 percent of the measurements and shall be assessed over the most recent seven year period.		
<b>Estuary</b>	<b>Total Phosphorus</b>	<b>Total Nitrogen</b>	<b>Chlorophyll <i>a</i></b>
<b>1. Lower Loxahatchee</b>	0.032 mg/L as AGM	0.63 mg/L as AGM	1.8 µg/L as AGM
<b>2. Middle Loxahatchee</b>	0.030 mg/L as AGM	0.80 mg/L as AGM	4.0 µg/L as AGM
<b>3. Upper Loxahatchee</b>	0.075 mg/L as AGM	1.26 mg/L as AGM	5.5 µg/L as AGM
<b>4. Loxahatchee River Estuary (Southwest Fork)</b>	0.075 mg/L as AGM	1.26 mg/L as AGM	5.5 µg/L as AGM

# Waterbody Classification

The Clean Water Act requires that the surface waters of each state be classified according to designated uses.

- Class I – Potable Water Supplies
- Class II – Shellfish Propagation or Harvesting
- Class III – Fish Consumption, Recreation, Propagation and Maintenance of a Healthy, Well-Balanced Population of Fish and Wildlife
- **Class III – Limited – Fish Consumption, Recreation or Limited Recreation; and/or Propagation and Maintenance of a Limited Population of Fish and Wildlife**
- Class IV – Agricultural Water Supplies
- Class V – Navigation, Utility and Industrial Use

## Waterbody Classification – Class III - Limited

### **Class III – Limited – Fish Consumption, Recreation or Limited Recreation; and/or Propagation and Maintenance of a Limited Population of Fish and Wildlife**

This classification is restricted to waters with human-induced physical or habitat conditions that, because of those conditions, have limited aquatic life support and habitat that prevent attainment of Class III uses.

In order to be classified as Class III – Limited, a site specific evaluation must be done and examines:

- Limited aquatic life support
- Habitat limitations
  - Physical and Hydrologic Characteristics
  - Water Management Uses

## FDEP Impaired Waters Program

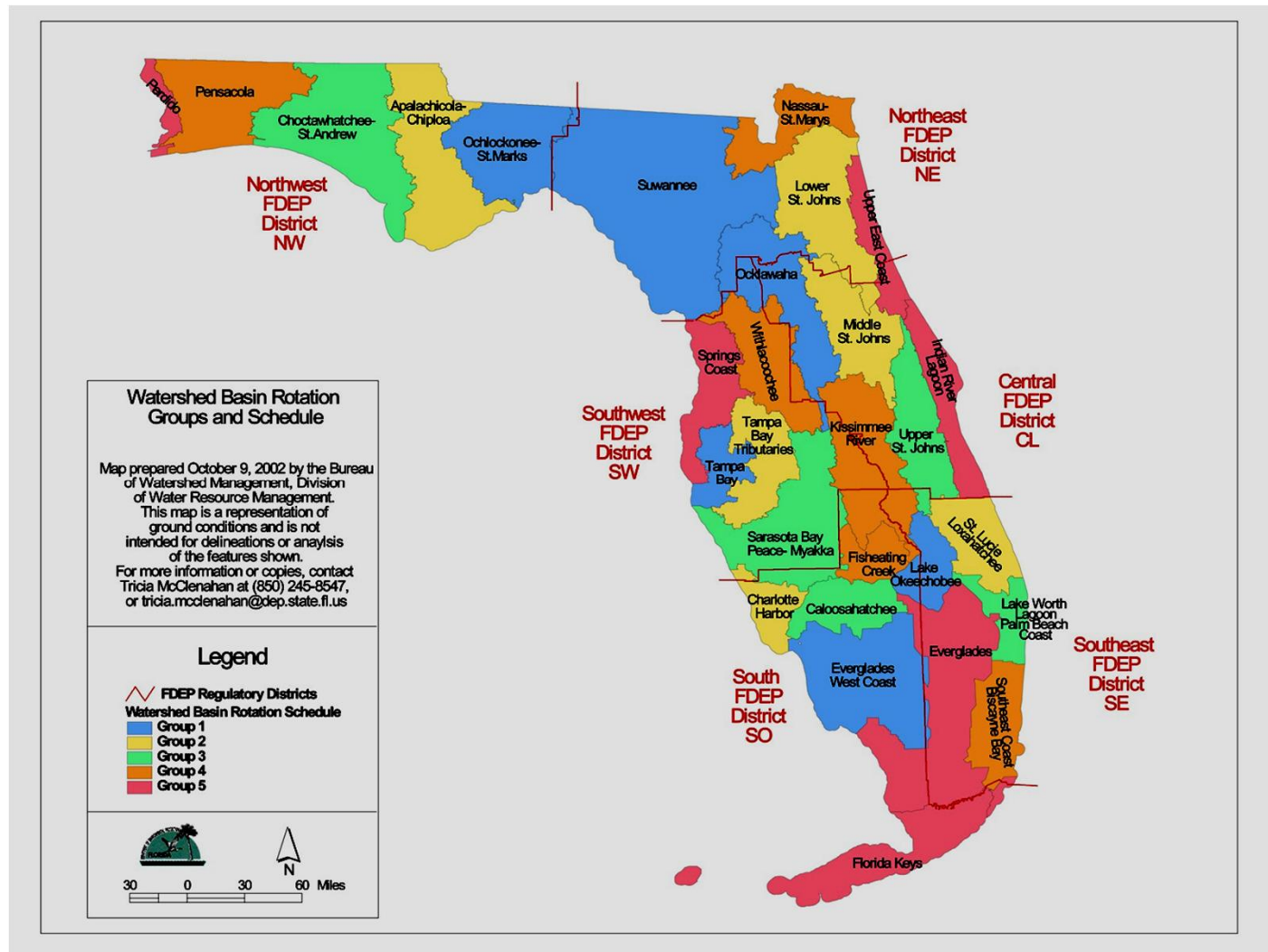
### Section 303(d) of the Federal CWA requires states to:

- Submit lists of waters that do not meet applicable water quality standards, including designated uses
  - “impaired waters”
- Identify pollutant causing or expected to cause impairment
- Establish/implement TMDLs for these waters on a prioritized schedule

## FDEP Impaired Waters Program

- **DEP implements Impaired Waters assessment program as part of Watershed Management Approach**
  - Started in July, 2000
  - Assessment
  - TMDL Development
  - Implementation
  - Watershed Restoration
- **Watershed Approach established five-phase cycle that rotates through all basins in the state over five-year period**
  - Divided state's basins into groups

# FDEP Impaired Waters Program



July 20, 2017

DEP Presentation 3-28-16

# FDEP Impaired Waters Program

## Uses Addressed by Assessment Methods

- Aquatic Life
  - Metals, Turbidity, Pesticides, Biological assessment
- Primary Contact and Recreation
  - Bacteria, Beach advisories
- Fish and Shellfish Consumption
  - Pathogenic bacteria, Mercury, Shellfish Classification
- Drinking Water
  - Metals, Pesticides, Bacteria

**Water Quality Standards 62-302 F.A.C.  
Impaired Waters Rule 62-303 F.A.C**

# FDEP Impaired Waters Program

## Watershed Management Cycle

### Phase 1 - Preliminary Assessment

- Produce Strategic Monitoring Plan

### Phase 2 – Targeted Monitoring and Assessment

#### Restoration Options

### Phase 3 - Develop and adopt TMDLs

### Phase 4 – Establish TMDL Implementation Strategy

- Basin Management Action Plan or
- Other Implementation Option

### Phase 5 - TMDL Implementation



## FDEP Impaired Waters Program – Assessment Categories

- Category 1 – Not Impaired (attains ALL uses)
- Category 2 – Meets standards; Not Impaired
- Category 3 – Insufficient data to verify
- **Category 4 – Does not meet standards but a TMDL is not needed**
- Category 5 – Does not meet standards; Impaired by a pollutant

## FDEP Impaired Waters Program – Impaired, but TMDL Not Needed

- **4a - TMDL Completed**
- **4b - Waters with Reasonable Assurance**
  - Waters where we have formal documentation that existing or proposed pollution control measures are expected to restore the water
- **4c - Waters impaired but it is not due to a pollutant**
  - Includes waterbodies that are impaired due to natural conditions or pollution (e.g. hydrologic modifications).

**These categories qualify for delisting from the State's Verified List and the federal 303(d) list.**

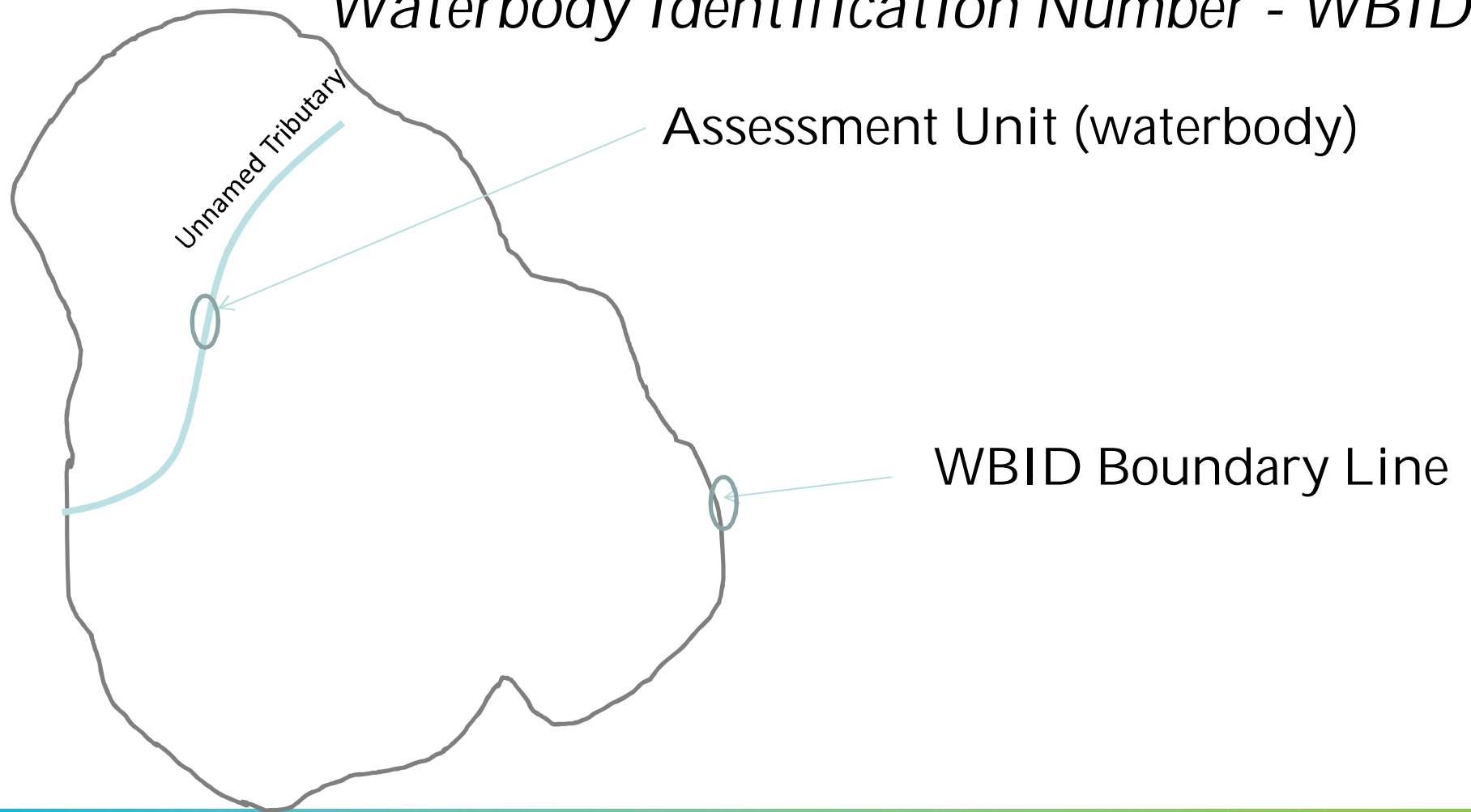
## FDEP Impaired Waters Program – Impaired, but TMDL Not Needed

- **4d - Waters that are impaired, but no pollutant has been identified**
  - typically for dissolved oxygen or biology
  - SSACs, UAAs, reclassification
- **4e - Waters that have been identified as impaired, but for which an on-going restoration initiative has begun, but not completed.**  
(Not covered by a Reasonable Assurance plan.)

**These categories are not on the State's Verified List, but are on the federal 303(d) list.**

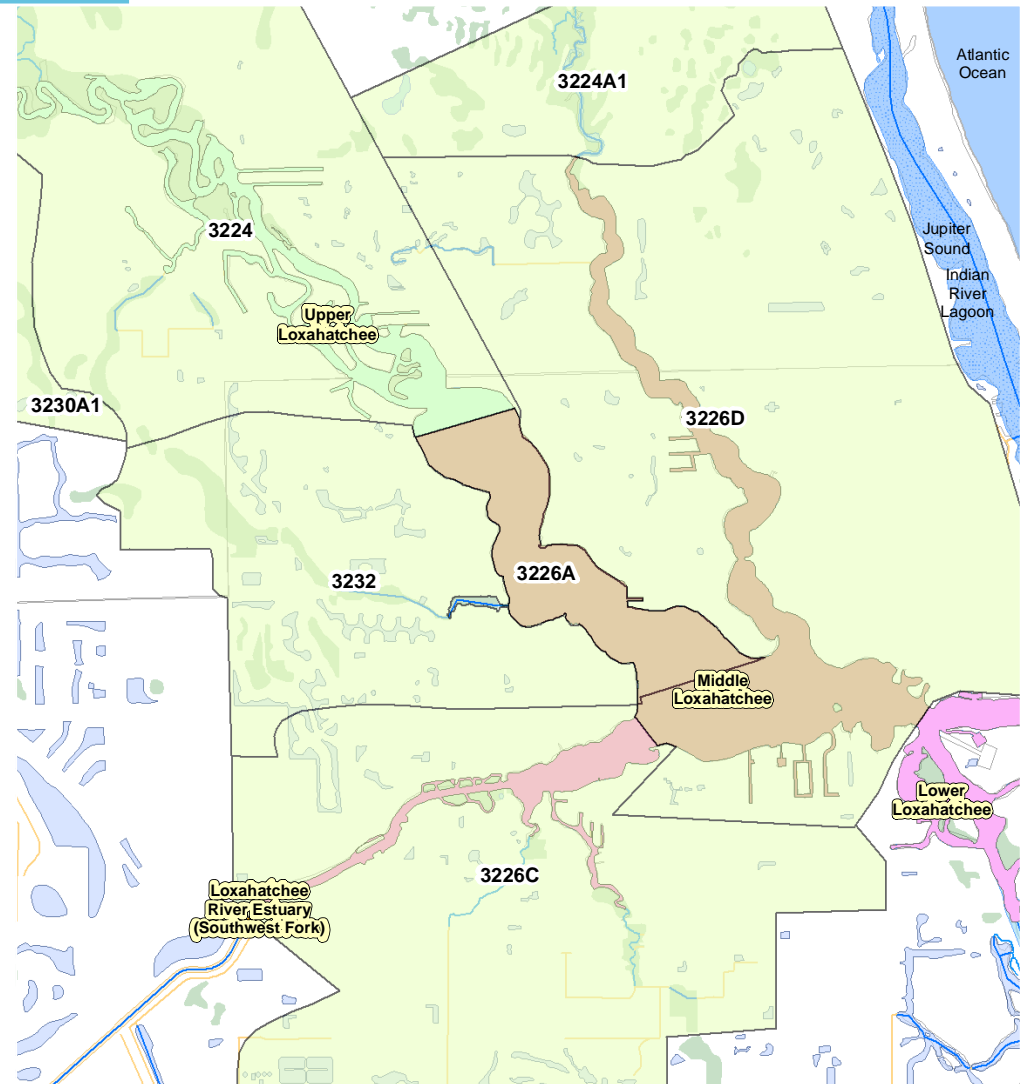
## FDEP Impaired Waters Program – Assessment Units

### *Waterbody Identification Number - WBID*

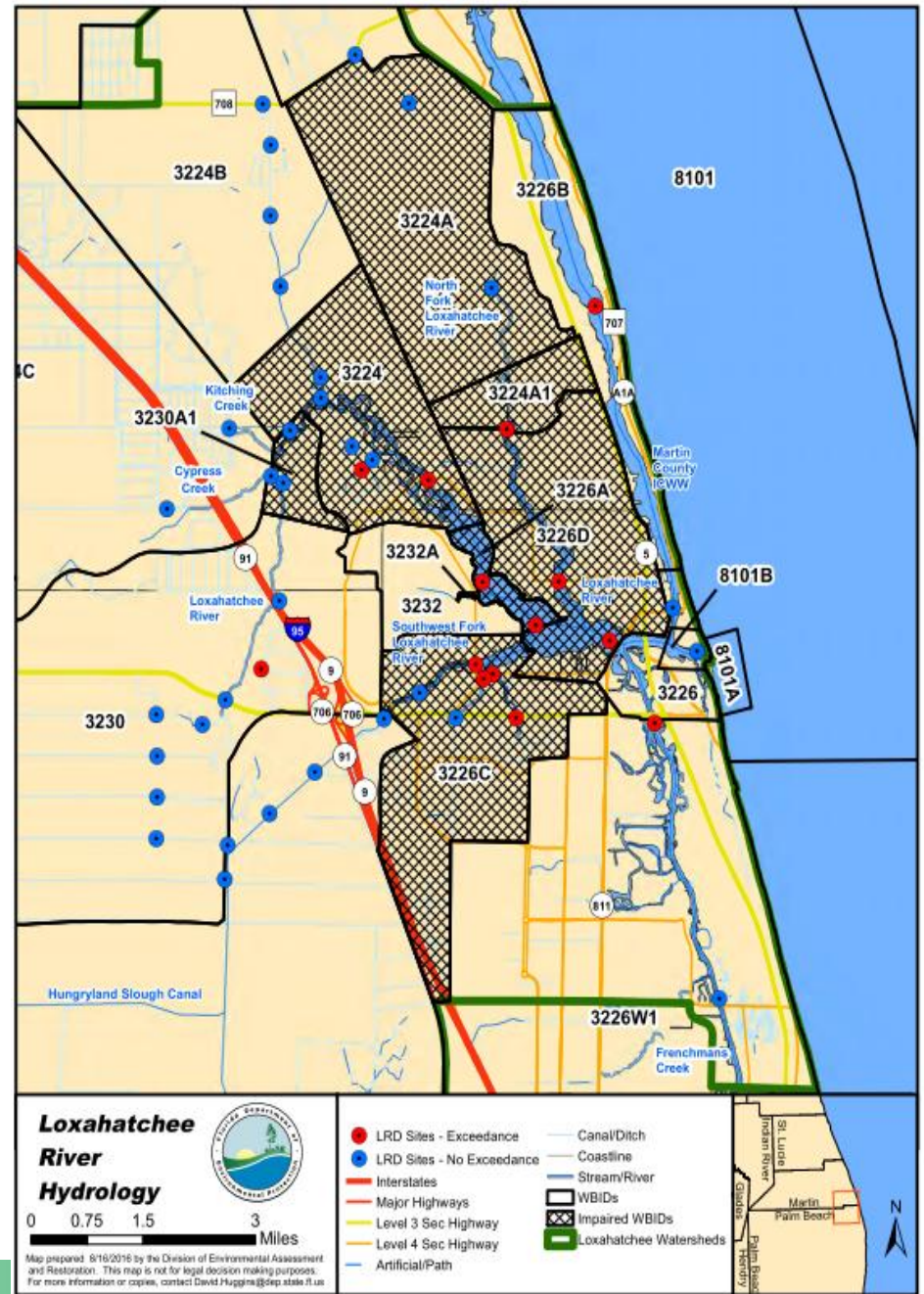


## FDEP Impaired Waters Program – WBIDs of Interest

- **Loxahatchee River**
  - WBID 3224 – Upper segment, estuary
  - WBID 3226C – SW Fork, estuary
  - WBID 3226A – NW segment, estuary
  - WBID 3226D – Middle segment, estuary
  - WBID 3226 – Jupiter Inlet, estuary



# FDEP Impaired Waters Program – WBIDs of Interest



July 20, 2017

DEP Presentation 3-28-16

## FDEP Impaired Waters Program – Current Status

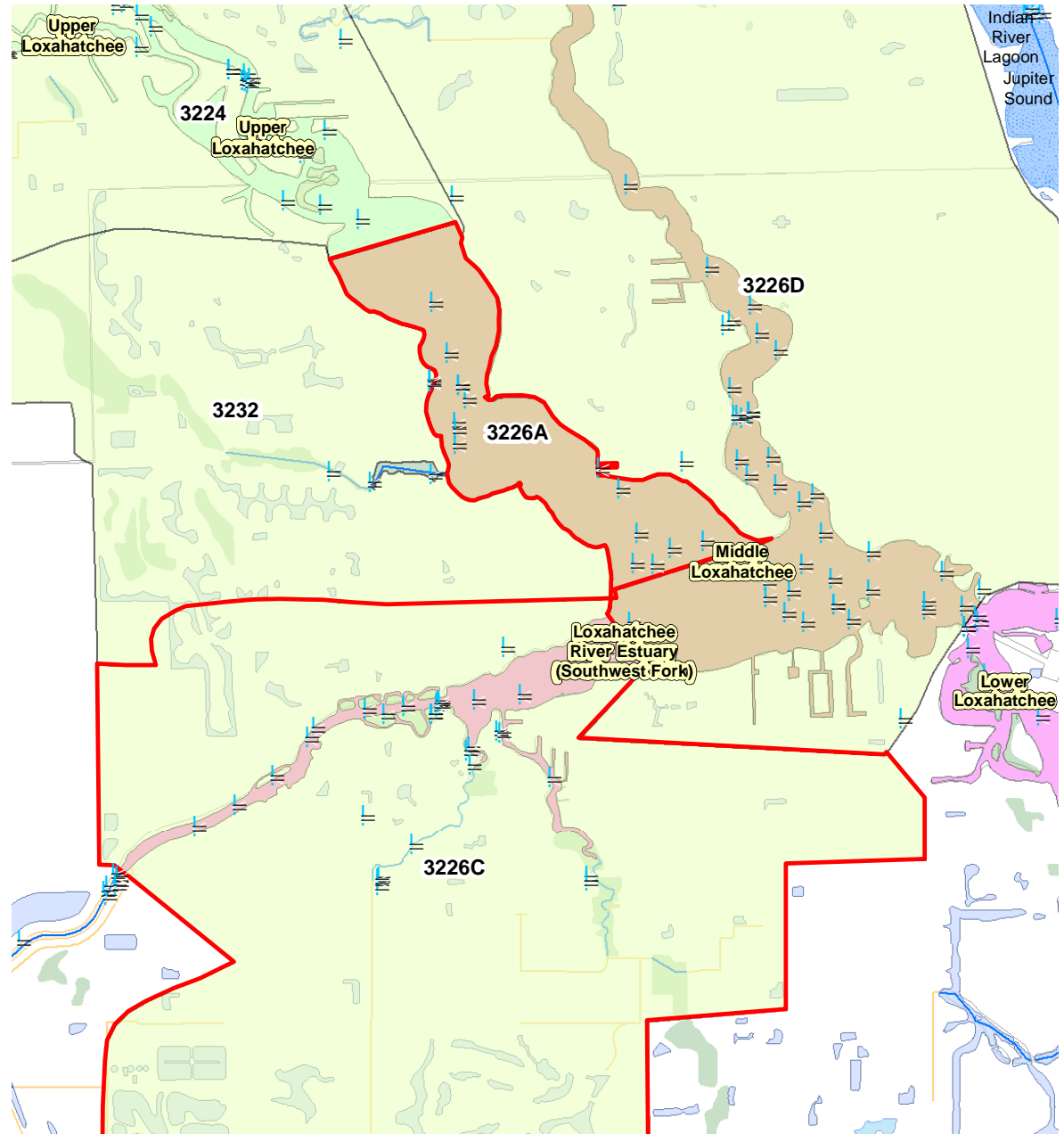
- Loxahatchee River (estuary segments)
  - WBID 3224 – Upper Loxahatchee
    - **Impaired for:** fecal coliforms, dissolved oxygen (study list)
    - **Not Impaired for:** chlorophyll-a, TN, or TP
  - WBID 3226C – Loxahatchee River Estuary (Southwest Fork)
    - **Impaired for:** chlorophyll-a, fecal coliforms (TMDL-not to exceed 43 counts/100mL in any sampling event for Class 2)
    - **Not Impaired for:** DO, TN, or TP
  - WBID 3226A – Northwest Segment of Estuary
    - **Impaired for:** chlorophyll-a, fecal coliforms
    - **Not Impaired for:** DO, TN, or TP
  - WBID 3226D – Middle Segment of Estuary
    - **Impaired for:** fecal coliforms
    - **Not Impaired for:** DO, chlorophyll-a, TN, or TP

# FDEP Impaired Waters Program – Current Nutrient Status

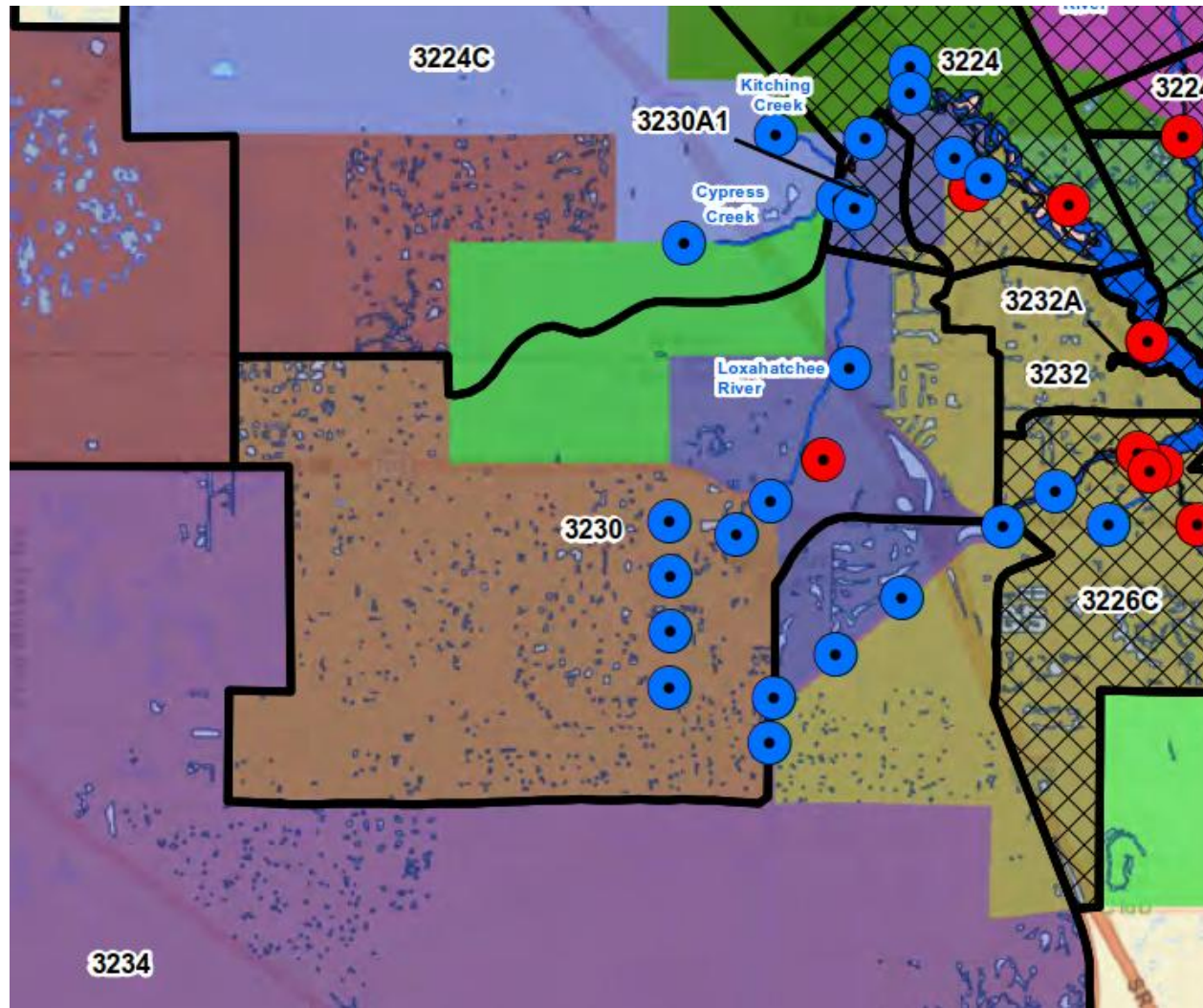
Waterbody Information			Chlorophyll-a			Total Nitrogen			Total Phosphorus		
WBID	Estuary Nutrient Region	Waterbody Name	Criterion	Assessment Status	Verified Period Assessment Data	Criterion	Assessment Status	Verified Period Assessment Data	Criterion	Assessment Status	Verified Period Assessment Data
3224	ENRQ3	Loxahatchee River (Jonathan Dickinson State Park)	AGM ≤ 5.5 µg/L	Not Impaired	ENRQ3: AGM 2007 (3.0 µg/L) 2008 (5.1 µg/L) 2009 (5.8 µg/L) 2010 (5.5 µg/L) 2011 (4.9 µg/L) 2012 (3.8 µg/L) 2013 (5.4 µg/L)	AGM ≤ 1.26 mg/L	Not Impaired	ENRQ3: AGM 2007 (0.77 mg/L) 2008 (0.88 mg/L) 2009 (0.67 mg/L) 2010 (0.85 mg/L) 2011 (0.91 mg/L) 2012 (0.73 mg/L) 2013 (0.75 mg/L)	AGM ≤ 0.075 mg/L	Not Impaired	ENRQ3: AGM 2007 (0.061 mg/L) 2008 (0.062 mg/L) 2009 (0.052 mg/L) 2010 (0.061 mg/L) 2011 (0.060 mg/L) 2012 (0.058 mg/L) 2013 (0.061 mg/L)
3226A	ENRQ2	Loxahatchee River (Northwest Fork)	AGM ≤ 4.0 µg/L	Impaired	ENRQ2: AGM 2007 (2.7 µg/L) 2008 (3.7 µg/L) 2009 (4.7 µg/L) 2010 (6.0 µg/L) 2011 (5.1 µg/L) 2012 (4.2 µg/L) 2013 (6.8 µg/L)	AGM ≤ 0.8 mg/L	Not Impaired	ENRQ2: AGM 2007 (0.5 mg/L) 2008 (0.5 mg/L) 2009 (0.3 mg/L) 2010 (0.4 mg/L) 2011 (0.4 mg/L) 2012 (0.3 mg/L) 2013 (0.4 mg/L)	AGM ≤ 0.03 mg/L	Not Impaired	ENRQ2: AGM 2007 (0.03 mg/L) 2008 (0.03 mg/L) 2009 (0.03 mg/L) 2010 (0.03 mg/L) 2011 (0.04 mg/L) 2012 (0.03 mg/L) 2013 (0.03 mg/L)
3226C	ENRQ4	Loxahatchee River (Southwest Fork)	AGM ≤ 5.5 µg/L	Impaired	ENRQ4: AGM 2007 (8.0 µg/L) 2008 (12.3 µg/L) 2009 (8.5 µg/L) 2010 (12.9 µg/L) 2011 (8.0 µg/L) 2012 (9.6 µg/L) 2013 (9.2 µg/L)	AGM ≤ 1.26 mg/L	Not Impaired	ENRQ4: AGM 2007 (0.72 mg/L) 2008 (0.54 mg/L) 2009 (0.45 mg/L) 2010 (0.48 mg/L) 2011 (0.58 mg/L) 2012 (0.48 mg/L) 2013 (0.48 mg/L)	AGM ≤ 0.075 mg/L	Not Impaired	ENRQ4: AGM 2007 (0.031 mg/L) 2008 (0.041 mg/L) 2009 (0.033 mg/L) 2010 (0.041 mg/L) 2011 (0.039 mg/L) 2012 (0.040 mg/L) 2013 (0.043 mg/L)
3226D	ENRQ2	Loxahatchee River	AGM ≤ 4.0 µg/L	Not Impaired	ENRQ2: AGM 2007 (2.3 µg/L) 2008 (2.6 µg/L) 2009 (2.3 µg/L) 2010 (2.8 µg/L) 2011 (2.9 µg/L) 2012 (3.4 µg/L) 2013 (1.8 µg/L)	AGM ≤ 0.8 mg/L	Not Impaired	ENRQ2: AGM 2007 (0.4 mg/L) 2008 (0.2 mg/L) 2009 (0.1 mg/L) 2010 (0.2 mg/L) 2011 (0.2 mg/L) 2012 (0.3 mg/L) 2013 (0.2 mg/L)	AGM ≤ 0.03 mg/L	Not Impaired	ENRQ2: AGM 2007 (0.02 mg/L) 2008 (0.02 mg/L) 2009 (0.01 mg/L) 2010 (0.02 mg/L) 2011 (0.02 mg/L) 2012 (0.02 mg/L) 2013 (0.02 mg/L)



# FDEP Impaired Waters Program – Sample Locations



# FDEP Impaired Waters Program – SIRWCD WBIDs of Interest



## FDEP Impaired Waters Program – Jupiter Farms WBID

- **WBID 3230 – Jupiter Farms**

- Waterbody Type – Stream
- Waterbody Class – 3F
- Parameters Assessed Using the Impaired Surface Waters Rule (IWR) – Nutrients (Algal Mats)
- Criterion Concentration or Threshold Not Met – RPS  $\leq$  25%, or when between 20% - 25%  
Evaluation of Algal Autoecological Data Indicates No Imbalance
- EPA’s Intergrated Report Category – 5, Water quality standards are not attained and a TMDL is required
- Summary Assessment Status – Impaired
- Priority for TMDL Development is Medium

Verified Period Assessment Data <sup>5</sup>	Comments
05/08/2008: 0% 05/15/2008: 0% 05/22/2008: 0% 09/29/2008: 0% 09/30/2008: 0% 09/30/2008: 0% 04/20/2010: 63.33% 04/06/2011: 58% 04/20/2011: 5.13%	This waterbody is impaired for this parameter based on failing rapid periphyton survey results. This parameter is being added to the 303(d) List.

## FDEP Impaired Waters Program – Next Steps for Lox.

- **For some waterbodies:**
  - TMDL Development
  - BMAP Development
  - Restoration implementation
- **Other options:**
  - Pollutant Source Reduction Plans
  - Establishment of Alternative Criteria
  - Reasonable Assurance Plan

## Reasonable Assurance (4b) Plans (RAP)

- **Basic Requirements:**

- Description of Impaired Waterbody
- Description of Water Quality or Aquatic Ecological Goals
  - The water quality–based targets or aquatic ecological goals (both interim and final) that have been established for the pollutant(s) of concern.
- Description of Proposed Management Actions To Be Undertaken
  - Schedule for restoration projects, including funding sources
- Description of Procedures for Monitoring and Reporting Results
- Description of and Commitment to Proposed Corrective Actions

## Reasonable Assurance (4b) Plans (RAP)

- **Course of Action:**
  - Develop a draft RA plan
  - Submit to the Department for Review
  - RA Plan is approved by the Department and adopted by the Secretary
  - Updates are provided to the Department based on the schedule established in the Plan
  - Updates are reviewed for confirmation of reasonable progress
  - Implementation of plan continues until targets are achieved

## Reasonable Assurance (4b) Plans (RAP)

- **Course of Action:**
  - Develop a draft RA plan
  - Submit to the Department for Review
  - RA Plan is approved by the Department and adopted by the Secretary
  - Updates are provided to the Department based on the schedule established in the Plan
  - Updates are reviewed for confirmation of reasonable progress
  - Implementation of plan continues until targets are achieved

## RAP Path Forward for Loxahatchee

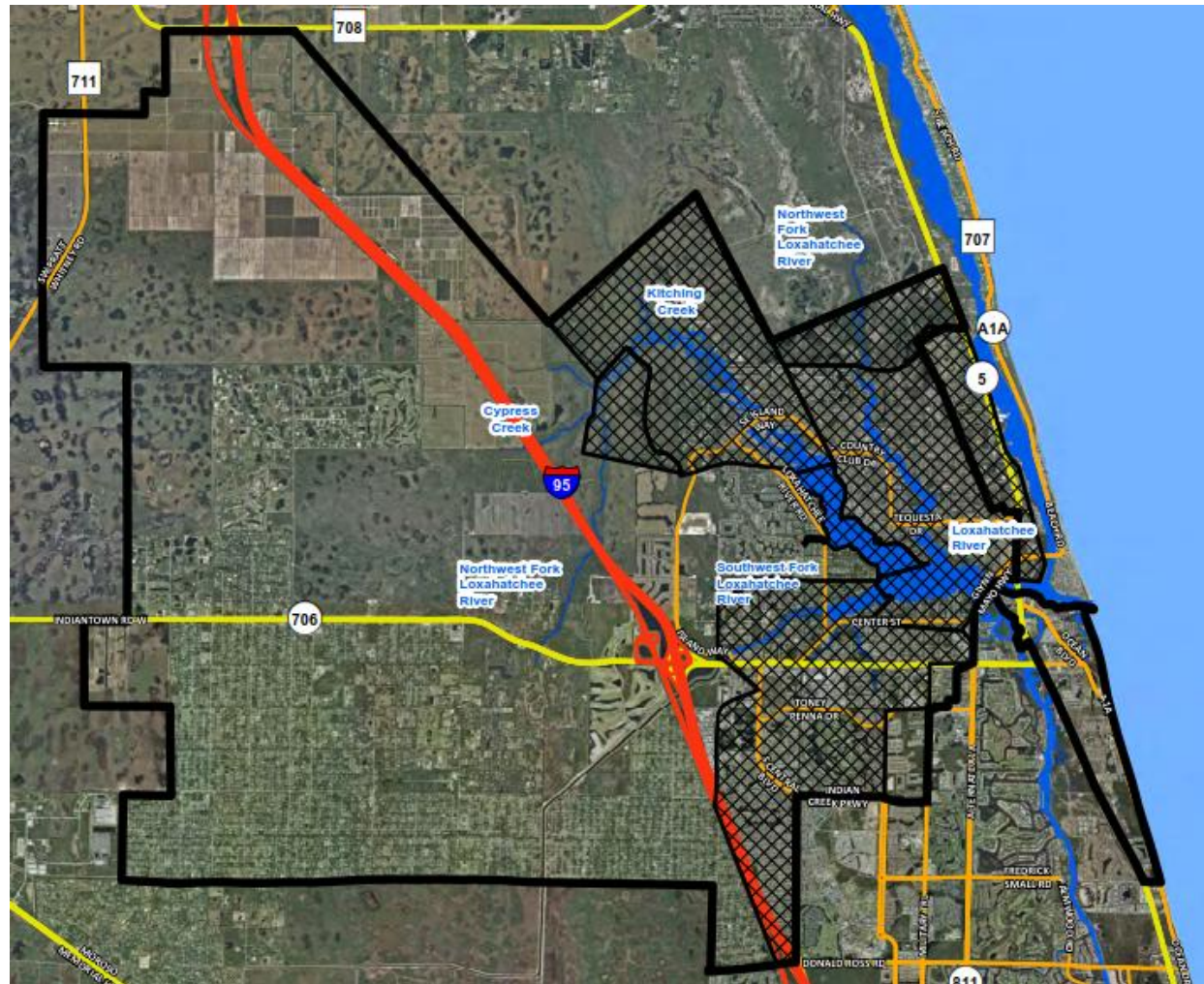
- **DEP's role**
  - TMDL Development
    - DEP Contractors
    - EPA model
  - Assistance with the plan
    - Facilitation
    - Technical support on WQ target
- **Loxahatchee Stakeholder commitments**
  - Staff resources
  - Funding for restoration projects
  - Monitoring



## RAP Status

- Loxahatchee River Management Coordinating Council (LRMCC) agreed to proceed with a RAP for the impaired waters in the Loxahatchee
- Determine the RAP boundary
- Adjusting the WBID Boundaries
- Preliminary modeling complete (LRMCC has not accepted modeling)
- FDEP is collecting projects that have been completed since 2005

# RAP Boundary



## SIRWCD Role in RAP

- SIRWCD is a member of the LRMCC
- SIRWCD is included in the RAP boundary
- Staff is an active member in reviewing the boundary adjustments and the modeling
- SIRWCD provided FDEP current monitoring plan
- SIRWCD will provide past projects that had received Loxahatchee River Preservation Initiative (LRPI) funding (water quality benefits)
- In future, SIRWCD will need to develop projects that address water quality since it is included in the RAP boundary

## Watershed Assessment Program

- SIRWCD is a member of the Palm Beach County National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit, which is managed by the Northern Palm Beach County Improvement District (NPBCID)
- As part of this permit, permittees have to develop an Assessment Program
- The purpose of the program is to assist permittees in evaluating the effectiveness of its stormwater management (permit compliance) program in reducing stormwater pollutant loadings

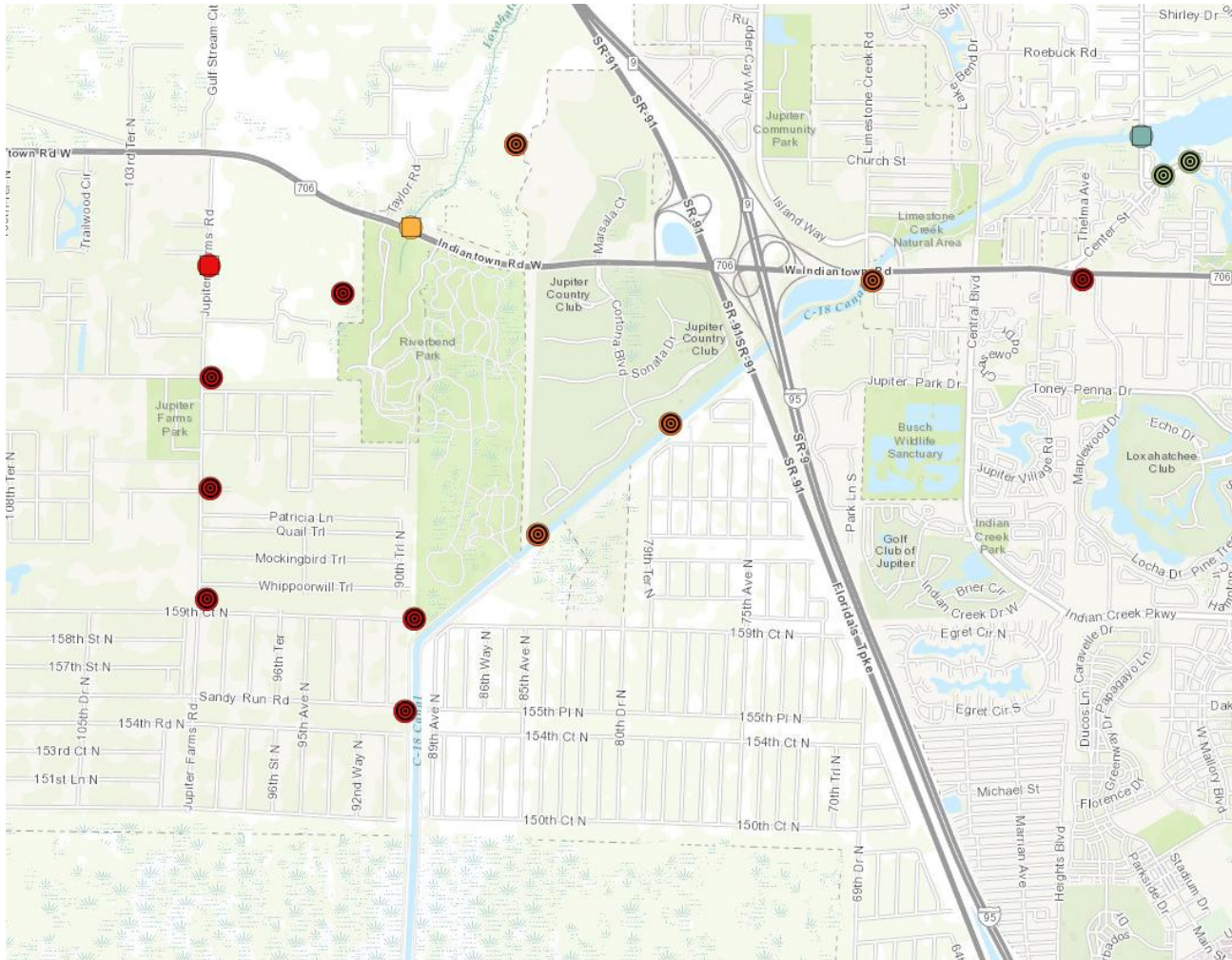
## Watershed Assessment Program

Includes 3 parts:

- A water quality monitoring plan
- A pollutant loading estimate plan
- An action/response plan

As part of the permit, this assessment program document is due September 7, 2017. The results are reported on an annual basis.

# SIRWCD Water Quality Monitoring – LRD Monitoring Sites



July 20, 2017

# SIRWCD Water Quality Monitoring – LRD Monitoring Sites Results



Loxahatchee River District  
 WildPine Laboratory  
[www.loxahatcheeriver.org](http://www.loxahatcheeriver.org)

## RiverKeeper Water Quality Monitoring Program Monthly Average Stoplight Maps

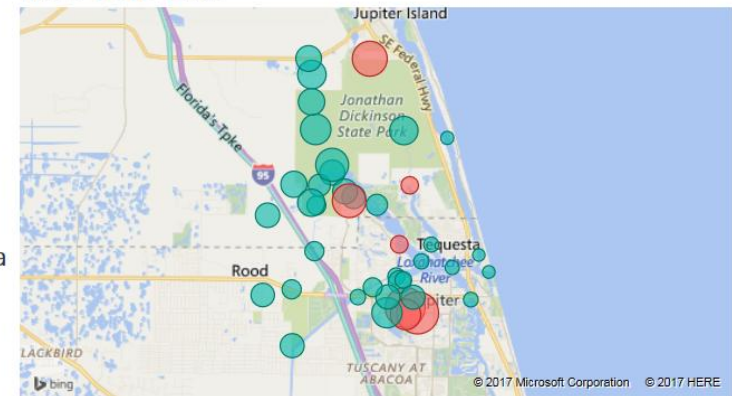
### Nutrients - Total Nitrogen, Total Phosphorus, and Chlorophyll a Scored to EPA/DEP Numeric Nutrient Criteria for each Site

Month-Year

- July 2017
- June 2017
- May 2017
- April 2017
- March 2017
- February 2017
- January 2017
- December 2016
- November 2016
- October 2016
- September 2016
- August 2016
- July 2016
- June 2016
- May 2016

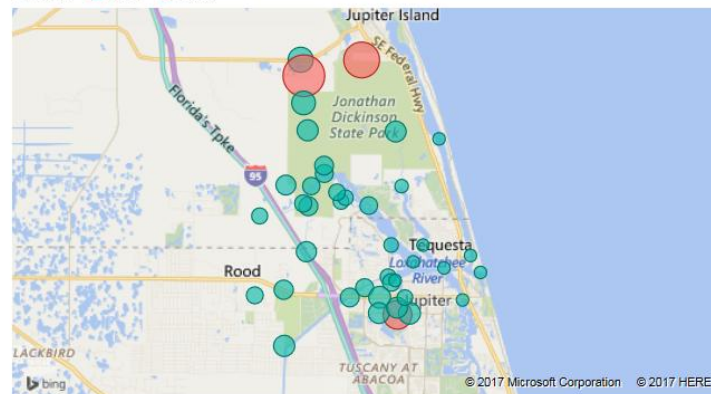
#### Total Phosphorus (mg/L)

TP\_Score ● GOOD ● POOR



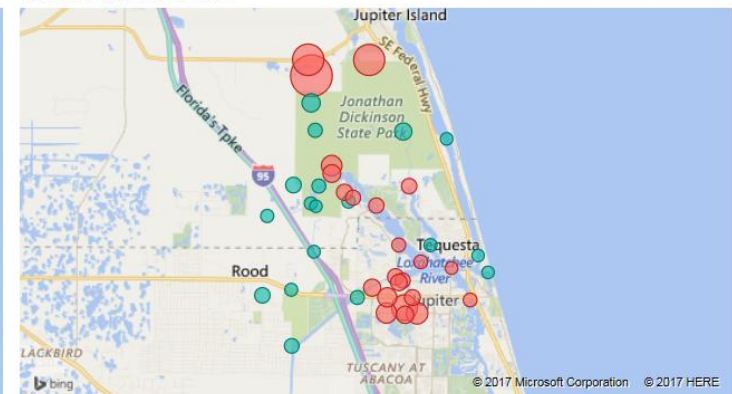
#### Total Nitrogen (mg/L)

TN\_Score ● GOOD ● POOR



#### Chlorophyll a (ug/L)

CHL\_Score ● GOOD ● POOR



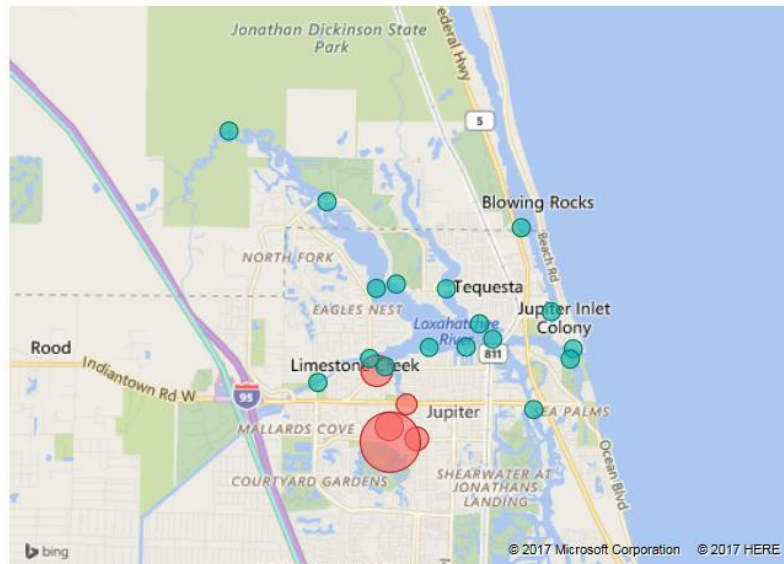
# SIRWCD Water Quality Monitoring – LRD Monitoring Sites Results

Month-Year

- July 2017
- June 2017
- May 2017
- April 2017
- March 2017
- February 2017
- January 2017
- December 2016
- November 2016
- October 2016
- September 2016
- August 2016
- July 2016
- June 2016
- May 2016

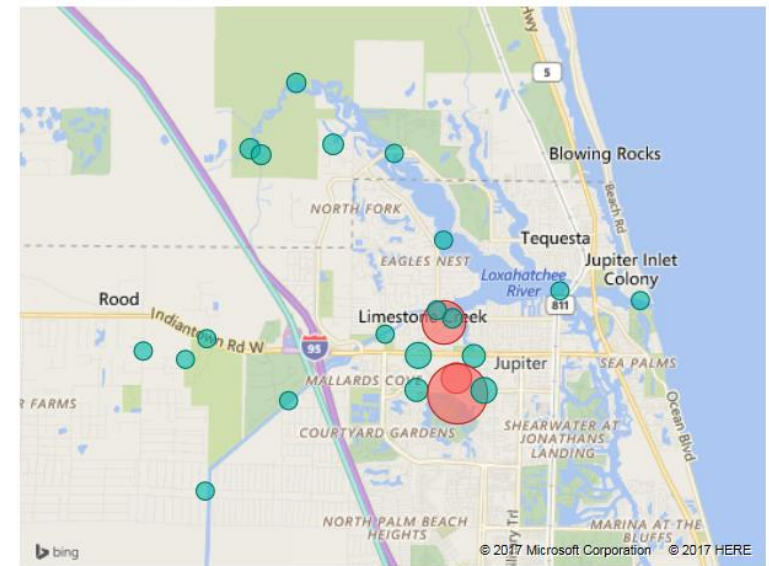
Enterococci Bacteria

EC\_Score ● GOOD ● POOR



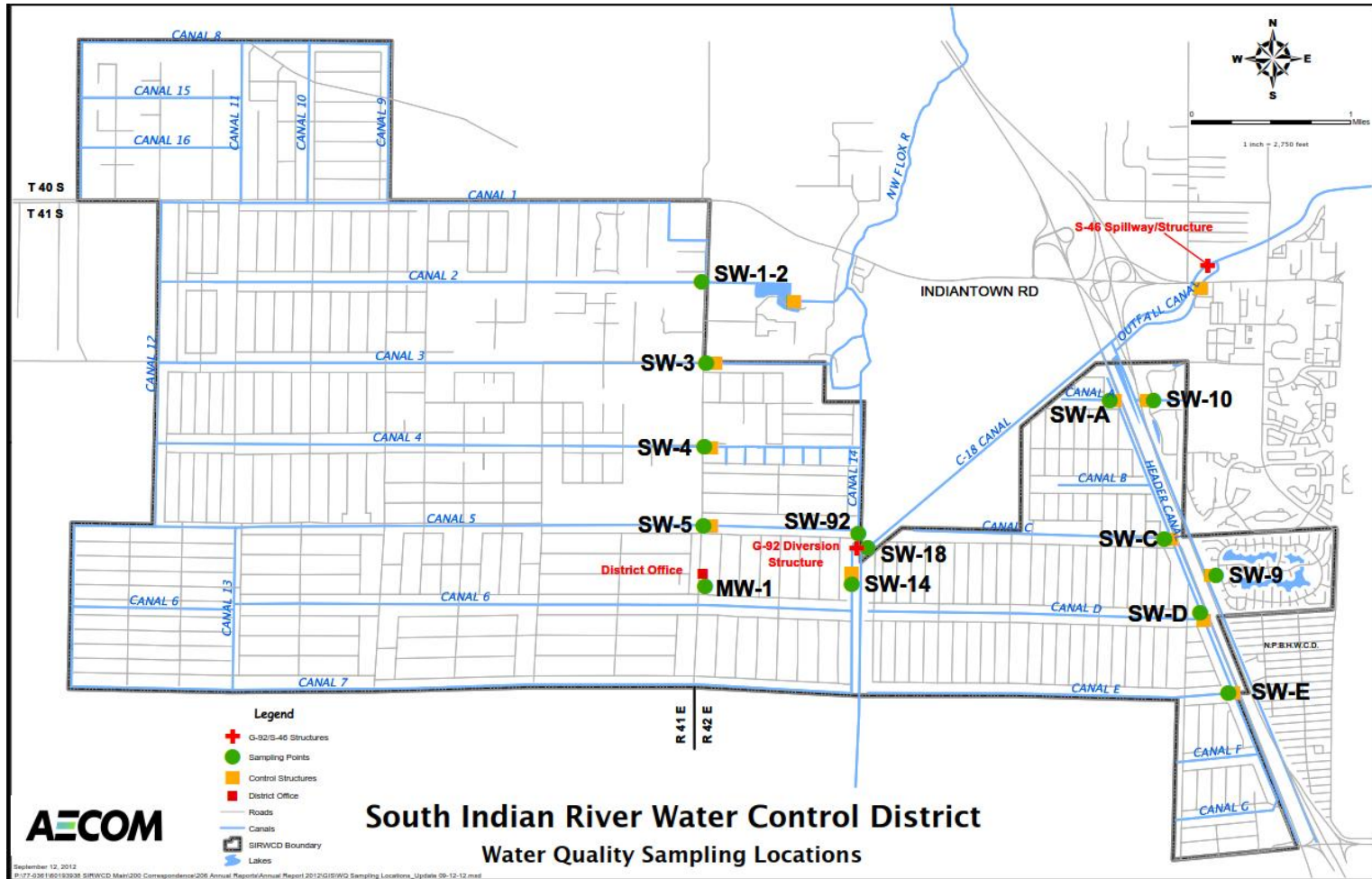
Fecal Coliform Bacteria

FC\_Score ● GOOD ● POOR





# SIRWCD Water Quality Monitoring



# SIRWCD Water Quality Monitoring

Alkalinity
Arsenic
Cadmium
Chlorophyll-a (corrected)
Copper
Color
Dissolved Oxygen
Fecal Coliform
Lead
Nitrogen, Ammonia
Nitrogen, Nitrate-Nitrite
Nitrogen, Total Kjeldahl
pH
Phosphorus, Orthophosphate
Phosphorus, Total
Salinity
Specific Conductivity
Temperature
Total Hardness (as CaCO <sub>3</sub> )
Total Suspended Solids
Turbidity
Zinc

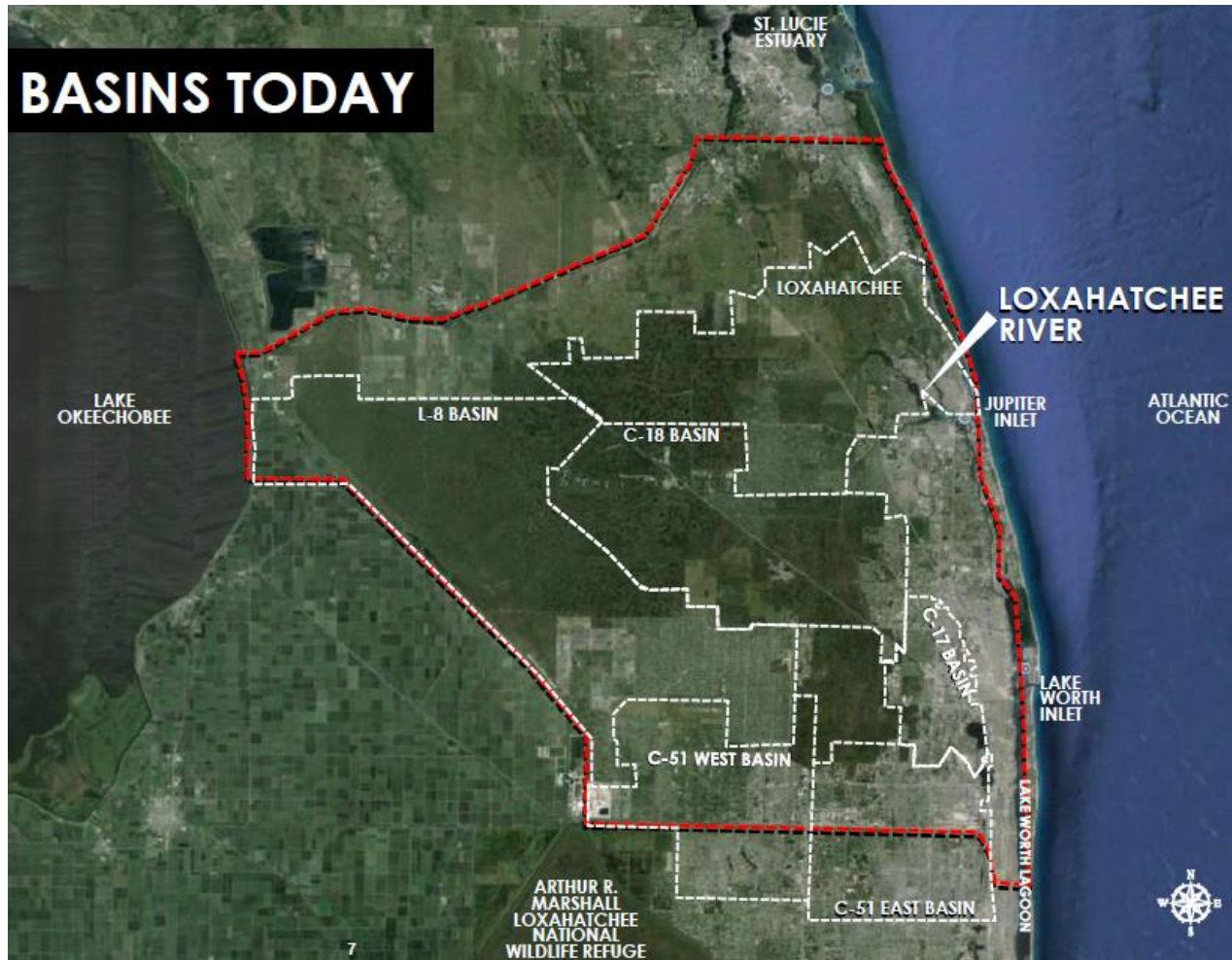
## Potential SIRWCD Issues

- Preclusion of a Mixing Zone – Florida Law currently precludes use of a mixing zone if the receiving water body is impaired (End-of-pipe compliance)
- Downstream Protection Standard may require discharges to meet the marine/brackish limits instead of the freshwater/flowing water limits (Effectively reclassifies water bodies)
- Adequacy of the Compliance Period is critical for long-term success and cost control
  - Planning for implementation
  - Undertaking management practices (if required)
  - Purchasing nutrient credits (if necessary)
- Coordination with Fellow Stakeholders
  - Shared agendas and action items
  - Shared water quality treatment facilities (if viable)
  - Strength in numbers

## SIRWCD Path Forward in Water Quality

- Continue to monitor water quality data
- Continue to monitor regulations
- Continue to participate in the RAP process
- Develop projects that help with both flood control and water quality
  - Increase roadside ditch widths to gain more storage
  - Installing sumps at the outfall pipes so that water can be detained longer
  - Remove vegetation within the canals and outfall ditches
  - Investigate in projects that may help outside the District limits
  - Investigate where is our current system longer detention times can be achieved without impacting flood control
  - Investigate new technologies – Stormceptors/BAM (Biosorption Activated Media)
  - Buy vacant lots close to canals

# Loxahatchee River Watershed Restoration Project



## Item 4: Adjourn

Motion to Adjourn?





# South Indian River Water Control District™

*Established 1923*

## **BUDGET HEARING AND BOARD OF SUPERVISORS MEETING**

August 17, 2017 – 7:00 p.m.  
Jupiter High School – Media Room  
500 N. Military Trail, Jupiter, FL 33458

### **BUDGET HEARING AGENDA**

1. Pledge of Allegiance
2. Presentation to former Board Supervisor Mike Ryan
3. Presentation of Budget
4. Comments from Landowners
5. Adjourn

### **BOARD MEETING AGENDA**

1. Consent Agenda
  - A. Approval of Minutes of Previous Meeting
  - B. Approval of Warrant List
2. Public Information Report
3. Treasurer's Report
  - A. Consideration of Adoption of a Resolution Adopting the 2017-18 Budget
  - B. Election of the Uniform Method of Collection of Non Ad Valorem Assessments for the Fiscal Year 2017-2018.
4. Manager of Operations Report
5. Engineer's Report
6. Attorney's Report
7. Old business
8. New Business
  - A. Requirements for Candidate Bios
9. Landowners' Items
10. Adjourn



**DICK GRUENWALD  
ASSOCIATES, LLC**

August 8, 2017

**TO: Board of Supervisors  
SOUTH INDIAN RIVER WATER CONTROL DISTRICT**

**FROM: Dick Gruenwald Associates  
DISTRICT PUBLIC INFORMATION SPECIALISTS**

**SUBJECT: Monthly Report- August 2017**

News releases/Notices were sent out to local newspapers and community publications:

- ❖ Monthly Meeting and Budget Hearing (*Aug. 17*) release
- ❖ Monthly Meeting and Water Quality Workshop (*July 20*) release
- ❖ Board of Supervisors Election and Bios release

The following items were updated on the website:

- ❖ Monthly meeting (*May 18, June 29*) minutes
- ❖ Meeting, Workshop, Budget Hearing updates
- ❖ Update Supervisor page – John Jones bio, picture and e-mail account
- ❖ Update Statistics page
- ❖ Elections information – News & Elections pages
- ❖ Update 19<sup>th</sup> Plan of Improvements – News & Referendum pages
- ❖ Monthly Staff reports

Attended Monthly Meeting and Public Hearing (*June 29*), Monthly Meeting and Workshop (*July 20*), and Staff Meeting (*July 31*)

The District office and staff are reviewing and updating the District's Policy & Procedures Manual. Initial revisions by staff to Chapters 1-6 and associated Appendices are currently being incorporated into the manual and a second review is being conducted by staff.

The July/August newsletter has been mailed out to landowners and includes information on the Proposed 19<sup>th</sup> Plan of Improvements, Palm Beach Country Estates potable water update, Budget and Public Hearing, Water Quality Workshop, Hurricane information and Annual Landowners meeting and Election updates.

The "Welcome to the District" letter for new landowners has been updated, printed and mailed out to 529 new owners.

We continue to work with Mr. Meyer and the Manager of Operations on a regular basis. We review and monitor print and online media for all SIRWCD related stories articles on roads, drainage and other issues of interest in Palm Beach County and Florida, as well as nationally, then prepare and distribute material to supervisors and members of the staff via PDF in e-mail.





To: Board of Supervisors  
FROM: Charles F. Haas, Treasurer  
RE: Treasurer's Report for the month of August 2017  
CC: Staff  
Date: July 27, 2017

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### **Routine Business**

1. The District received a total of \$5,392,713 in current assessments receipts from the Palm Beach County Tax Collector through June 30, 2017.
2. The 2017 Assessment roll was completed for the TRIM Bill notices was completed on July 21, 2017 authorized for release to the Property Appraiser.
3. With the last payments on the outstanding notes for the 2004 Road Improvements Series A & B and the 2011 Egret Landing Refunding Note having been made, we will be closing these three debt service funds. Any remaining balances in the funds will be transferred to the respective Special revenue funds. Specifically funds 229,240 and 245 will be closed prior to the fiscal year end of September 30, 2017
4. Following the Board's direction we will be sending our report to the District's Public Information Officer for uploading to the web-site.

### **Board Consideration**

1. The Board will be asked to approve the list of disbursements (sent under separate cover).
2. After the public hearing is closed the Board will be asked to consider approving the proposed budget.

South Indian River Water Control District  
Statement of Revenues and Expenditures  
From 10/01/2016 to 6/30/2017

*All Governmental Funds  
(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	5,238,500	5,148,303	(90,197)
Rents & Contracted Service Income	-	170	170
Investment Income	2,283	4,435	2,152
Other Income	12,000	99,351	87,351
<b>Total Revenue:</b>	<b>5,252,783</b>	<b>5,252,259</b>	<b>(524)</b>
<b>Expenditures:</b>			
Contracted Services	471,725	370,173	101,552
Operating Expense	1,400,650	1,291,632	109,018
Office & Landowner Expense	260	237	23
Capital Outlay	1,704,000	1,370,924	333,076
Other Debt Service	87,843	89,844	(2,001)
<b>Total Expenditures:</b>	<b>4,296,821</b>	<b>3,754,522</b>	<b>542,299</b>
<b>Transfers, Financing &amp; Capital Outlays</b>			
Transfers in	314,250	314,250	-
Transfers out	(85,250)	(85,250)	-
<b>Total Transfers, Financing &amp; Capital Outlays</b>	<b>229,000</b>	<b>229,000</b>	<b>-</b>
<b>Total Expenditures &amp; Other Financing</b>	<b>4,067,821</b>	<b>3,525,522</b>	<b>542,299</b>
<b>Excess (Deficit) Revenues over (under) Expenditures and Other Financing Sources (Uses)</b>	<b>1,184,962</b>	<b>1,726,737</b>	<b>(541,775)</b>
<b>Beginning Fund Balance</b>		<b>5,278,111</b>	
<b>Ending Fund Balance</b>		<b>7,004,848</b>	

# South Indian River Water Control District

## Statement of Revenues and Expenditures

From 10/01/2016 to 6/30/2017

*Special Revenue Funds*  
(In Whole Numbers)

	YTD Budget	Year to Date Actual	Budget Variance
<b>Revenue:</b>			
Assessments - Net	2,413,550	2,422,857	9,307
Rents & Contracted Service	-	170	170
Investment Income	1,575	2,112	537
Other Income	12,000	40,673	28,673
Total Revenue:	2,427,125	2,465,812	38,687
<b>Expenditures:</b>			
Contracted Services	471,725	370,173	101,552
Operating Expense	1,400,650	1,291,632	109,018
Office & Landowner Expense	260	237	23
Total Expenditures:	1,872,635	1,662,042	210,593
<b>Transfers, Financing &amp; Capital Outlays</b>			
Capital Outlays	-	(85,800)	85,800
Transfers out	(85,250)	(85,250)	-
Total Transfers, Financing & Capital Outlays	(85,250)	(171,050)	85,800
Total Expenditures & Other Financing	1,957,885	1,833,092	124,793
Excess (Deficit) Revenues over (under) Expenditures & Other Financing Sources (Uses)	469,240	632,720	163,480
Beginning Fund Balance		1,375,747	
Ending Fund Balance		2,008,467	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 6/30/2017

*Debt Service Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Assessments - Net	2,824,950	2,725,446	(99,504)
Investment Income	308	1,875	1,567
Other Income	-	58,678	58,678
Total Revenue:	2,825,258	2,785,999	(39,259)
Expenditures:			
Principal Paid	292,742	292,743	(1)
Interest Paid	339,601	338,969	632
Other Debt Service	87,843	89,844	(2,001)
Total Expenditures:	720,186	721,556	(1,370)
Excess (Deficit) Revenues over (under) Expenditures	2,105,072	2,064,443	(40,629)
Beginning Fund Balance		1,319,995	
Ending Fund Balance		3,384,438	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 6/30/2017

*Capital Projects Funds*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Investment Income	400	448	48
Total Revenue:	400	448	48
Expenditures:			
Capital Outlay	1,704,000	1,456,724	247,276
Total Expenditures:	1,704,000	1,456,724	247,276
Transfers, Financing & Capital Outlays			
Transfers in	314,250	314,250	-
Total Transfers, Financing & Capital Outlays	314,250	314,250	-
Excess (Deficit) Revenues over (under) Expenditures	(1,389,350)	(1,142,026)	247,324
Beginning Fund Balance		2,582,369	
Ending Fund Balance		1,440,343	

South Indian River Water Control District  
Statement of Revenues and Expenditures

From 10/01/2016 to 6/30/2017

*Internal Service (Maintenance) Fund*  
*(In Whole Numbers)*

	YTD Budget	Year to Date Actual	Budget Variance
Revenue:			
Charges for Services	1,361,250	1,188,740	(172,510)
Rents & Contracted Service	40,500	47,805	7,305
Investment Income	-	(94)	(94)
Other Income	-	12,153	12,153
Total Revenue:	1,401,750	1,248,604	(153,146)
Expenditures:			
Personal Services	735,750	728,376	7,374
Contracted Services	130,650	95,174	35,476
Operating Expense	275,300	153,463	121,837
Office & Landowner Expense	18,575	11,076	7,499
Insurance	33,300	31,515	1,785
Total Expenditures:	1,193,575	1,019,604	173,971
Transfers, Financing & Capital Outlays			
Capital Outlays	-	240,113	(240,113)
Transfers out	229,000	229,000	-
Total Transfers, Financing & Capital Outlays	229,000	469,113	(240,113)
Excess (Deficit) Revenues over (under) Expenditures & Transfers			
	(20,825)	(240,113)	(219,288)
Beginning Fund Balance		497,000	
Ending Fund Balance		256,887	



# South Indian River Water Control District™

*Established 1923*

## MEMORANDUM

TO: Board of Supervisors  
FROM: Manager of Operations  
SUBJECT: Manager's Report for June 23, 2017 to August 10, 2017  
DATE: August 10, 2017

### ADMINISTRATIVE

1. Conducted monthly review of District canals with aquatic weed spray contractor.
2. On-site meetings and phone conversations with Landowners regarding drainage, road conditions, and driveway culvert installations.
3. Attended Staff meeting.
4. Attended Loxahatchee River Management Coordinating Council meeting.
5. Attended Loxahatchee River Preservation Initiative meeting.
6. Received \$2,645.00 from Verizon for monthly cell tower lease.
7. Award contract for installation of security cameras at District Work Center to Alarm Partners.
8. Four employees attend "Stings, Bites, and Zika Risks" seminar sponsored by the Safety Council of Palm Beach County.
9. Received check for \$2,786.26 from District's Workers Compensation Insurance Carrier, Preferred Government Insurance Trust, through their Matching Incentive Safety Program.
10. Received quarterly payment of \$8,000.00 from Board of County Commissioners for mowing and grading services.
11. Phone conversations with South Florida Water Management District regarding Tropical Storm Emily.
12. Received New Kubota M6S 4-Wheel Drive Tractor, traded 2008 John Deere 6430 2-wheel Drive Tractor.

*A Florida Special District*

15600 Jupiter Farms Road • Jupiter, Florida 33478-9399 • (561) 747-0550 • Fax (561) 747-9182

[www.sirwcd.org](http://www.sirwcd.org) • [sirwcd@sirwcd.org](mailto:sirwcd@sirwcd.org)

MEMORANDUM

To: Board of Supervisors

Date: August 10, 2017

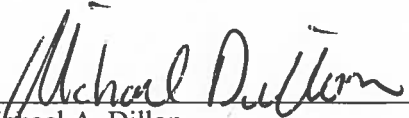
Page 2

**WATER CONTROL**

1. Mowers continue routine maintenance throughout the District.
2. Received 12.46 inches of rain this reporting period.
3. Prepared swales for six culvert installations, inspected two driveway culverts and District crews installed eight driveway culverts.
4. Terra Tech continues canal spraying for aquatic weed control.
5. Crews continue to replace District drainage culverts at various locations.
6. Drainage swales continue to be re-contoured throughout the District.
7. Murray Logan Construction begins restoration work along Canal 13 and 156<sup>th</sup> St.

**ROAD MAINTENANCE.**

1. J & S Asphalt awarded bid to extend paving on Winterhawk Trail.
2. Roads are being re-contoured for proper storm water run-off.
3. Lake Point Restoration hauled 504 Tons of Shell rock to the District Yard.

  
\_\_\_\_\_  
Michael A. Dillon  
Manager of Operations



To South Indian River Water Control District (SIRWCD)  
Board of Supervisors Pages 3

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CC

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Subject Engineer's Report for August 2017

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From Amy E. Eason, PE, District Engineer

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Board Meeting  
Date August 17, 2017

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The following is a summary of activities and communications that were of significance during the months of July/August. Updated information is presented in **bold**:

I. CURRENT CAPITAL IMPROVEMENTS AND OTHER DISTRICT PROJECTS

A. Pursuant to Board direction after petitioners met the minimum requirements, staff prepared a referendum for the landowner proposed project that was mailed October 17, 2016 with the request that the landowners submit their response to the District by December 9, 2016. On December 14, 2016 and on April 14, 2017, staff received the certification from the Supervisor of Elections on the results of the referendum. The majority of the landowners on the following roadways were "in favor" of the proposed project for asphalt in Palm Beach Country Estates (approximately **2.3 miles**)

- 76<sup>th</sup> Trail N between 160<sup>th</sup> Lane N and 162<sup>nd</sup> Court N
- 76<sup>th</sup> Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Avenue N. and 81<sup>st</sup> Terrace N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. and **83<sup>rd</sup> Way N.**
- 160<sup>th</sup> Street N. between 72<sup>nd</sup> Drive N. and 75<sup>th</sup> Avenue N. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End

At the February 2017 Board Meeting, staff receive approval to prepare the 19<sup>th</sup> Plan of Improvements. A public hearing for the filing of the resolution to consider approval of an amendment to its current water control plan to include this project was held on May 18, 2017, and the board approved the preparation of the Engineer's Report and draft Plan of Improvement. The Engineer's Report was filed on May 26, 2017. **On June 29, 2017, a final hearing was held, and the Engineer's Report and proposed water control plan amendment was approved. Staff has submitted the amendent to South Florida Water Management District (SFWMD) for review and approval. Staff is prepared to update the Board at this month's meeting.**

**II. OPERATION AND MAINTENANCE**

- A. The National Pollutant Discharge Elimination System (NPDES) Steering Committee met on **July 10, 2017**. **The Florida Department of Environmental Protection (FDEP) presented common annual report deficiencies and the assessment program requirements, which includes water quality monitoring, pollutant loading analysis, trend evaluation, and targeted load reductions. The assessment program plan is due September 7, 2017. The next scheduled meeting is on August 16, 2017.**
- B. Staff has been actively involved in a sub team for modeling for the Loxahatchee River Water Restoration Plan. Staff has been meeting with the Army Corp of Engineers (ACOE) and South Florida Water Management District (SFWMD) to clarify the operational protocols of South Indian River Water Management District. Efforts on the sub team include confirming assumptions in the model and aiding in the planning effort.

In addition, a meeting was held March 30, 2016 of the Project Delivery Team. At this meeting the group reviewed 13 project alternatives and ranked the projects to reduce the number of projects that will undergo further analysis. A subsequent meeting was held on April 5, 2016 to reduce the number of alternatives to 5 alternatives. The alternatives include a variety of projects to help the Loxahatchee River to meet its goals for minimum flow and restoration.

Staff has been attending the Engineering and Modeling Task subcommittee meetings to ensure that the operational protocols are being implemented for the District. SFWMD and the ACOE have been working on updating the model with the different scenarios and updating the cost estimates of proposed regional projects for the cost feasibility analysis. These updates are being prepared for the Project Implementation Report (PIR) as part of the ACOE process. The ACOE has posted some of the preliminary results of the modeling and staff has been reviewing and meeting with both SFWMD and ACOE on the modeling and flood protection subteams. A draft calibration report of the modeling effort has been provided for review and comment along with the results of the alternative analysis. Comments for the draft calibration report were due on May 12, 2017. Based on the initial review of the modeling, the model is being re-conceptualized to ensure that the proper inputs are in the model. Staff will continue to participate in these sub teams on behalf of the District.

- C. The Loxahatchee River Management Coordinating Council is initiating the process with the Florida Department of Environmental Protection (FDEP) to prepare a Reasonable Assurance plan (RAP) in lieu of a TMDL and Basin Area Management Plan (BMAP) for the impaired WBIDs within the Loxahatchee River watershed. Staff attended a committee meeting to review the modeling efforts for the development of the RAP on May 23, 2017. FDEP and stakeholders discussed the model, and staff subsequently requested for more details on the model inputs and results. As a result of the committee meeting, stakeholders attended another meeting on June 7, 2017 to discuss RAP options. **The next meeting on the RAP is scheduled for August 24, 2017. Staff will continue to participate in meetings and committees on this subject and will update the Board as items occur.**



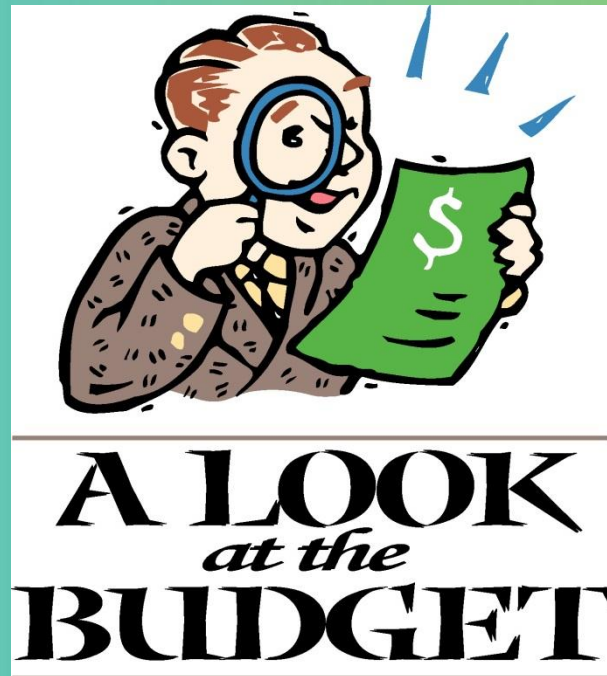
- D. Staff has been working together to update the Policy and Procedure Manual. This month, staff concentrated its efforts on Chapters 1, 2, 3, 5, and 6. Staff will continue to work on this effort.
- E. Staff continues to monitor and participate in the activities of the Loxahatchee River Ecosystem Management Committee, the Loxahatchee River Initiative, and the Loxahatchee River Management Coordinating Council.
- F. We continue to receive, review, and comment on various permit applications for projects to be constructed within the District.
- G. We continue to provide engineering assistance to the General Manager, as needed, on operation and maintenance items, as well as landowner requests, utility requests, and inquiries from other governmental entities on issues that involve engineering support.

Should you have any questions or comments, please feel free to contact me for more detailed information on any of the above subjects.

## ATTENTION AUDIENCE

- Tonight's meeting is a **BUDGET HEARING** and then a **BOARD MEETING**.
- The items that the Board is going to discuss are numbered on the **AGENDA**.
- If you would like to comment on any of the items, **PLEASE FILL OUT A COMMENT CARD AND CIRCLE THE ITEM IN WHICH YOU WOULD LIKE TO COMMENT ON.**
- **PUBLIC COMMENT** will be taken after the **PRESENTATION** for the Budget Hearing and for the Board Meeting, **PUBLIC COMMENT** will be taken after the Board discussion on items that require **BOARD ACTION**.
- Depending on the number of comment cards received, will determine the amount of time you are allowed speak.  
**The President will determine the time allowed to speak.**
- At **8:40 pm**, the meeting will end. We must be out of the space at **9:00 pm**
- **Thank you for your patience!**

# South Indian River Water Control District Public Hearing for the 2017/2018 Budget



August 17, 2017

## Item 1: Pledge of Allegiance



## Item 2: Presentation to Former Supervisor Mike Ryan



**THANK YOU**

**For Your  
Service!**

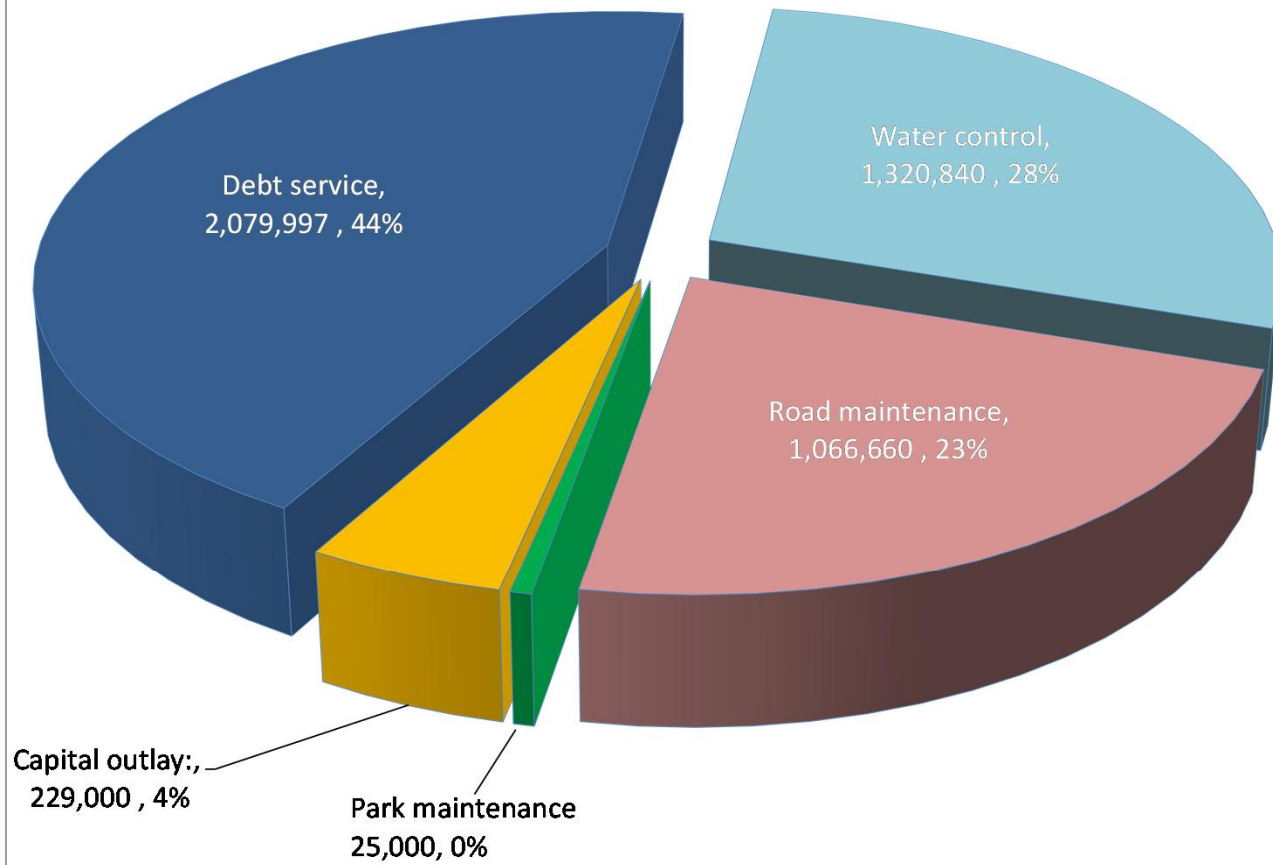
# Item 3: 2017/2018 Proposed Budget Combined

DESCRIPTION	CURRENT BUDGET 2016/2017	ESTIMATED 2016/2017	PROPOSED BUDGET 2017/2018
<b>Revenue</b>			
Assessments	\$ 5,486,450	\$ 5,382,700	\$ 4,868,125
Less discounts	(219,692)	(192,554)	(194,900)
Intergovernmental revenue	35,800	35,841	35,800
Investment earnings	3,690	1,254	3,430
Other revenue	36,000	88,046	36,000
<b>Total Revenue</b>	<b>5,342,248</b>	<b>5,315,287</b>	<b>4,748,455</b>
<b>Expenditures</b>			
Water control	1,142,830	1,111,228	1,320,840
Road maintenance	1,065,980	1,025,584	1,066,660
Park maintenance	24,600	13,168	24,600
Capital outlay:			
Road renewal	150,000	1,615,000	150,000
Canal Improvements	-	65,000	-
Equipment	65,000	195,000	79,000
Debt service:			
Interest	669,396	663,615	593,846
Principal	2,175,315	2,175,317	1,375,901
Other	153,268	142,217	110,250
<b>Total Expenditures</b>	<b>5,446,389</b>	<b>7,006,129</b>	<b>4,721,097</b>
<b>Excess revenues over expenditures</b>	<b>(104,141)</b>	<b>(1,690,842)</b>	<b>27,358</b>
Appropriated fund balance, beginning	3,751,213	5,251,473	3,608,685
<b>Appropriated fund balance, ending</b>	<b>\$ 3,647,072</b>	<b>\$ 3,560,631</b>	<b>\$ 3,636,043</b>
<b>Fund Balance, Ending:</b>			
<b>Committed Funds</b>	<b>\$ 1,949,859</b>	<b>\$ 1,874,777</b>	<b>\$ 2,128,040</b>
<b>Assigned Funds</b>	<b>1,697,213</b>	<b>1,685,854</b>	<b>1,508,003</b>



# South Indian River Water Control District

## Breakdown of Proposed Expenditures

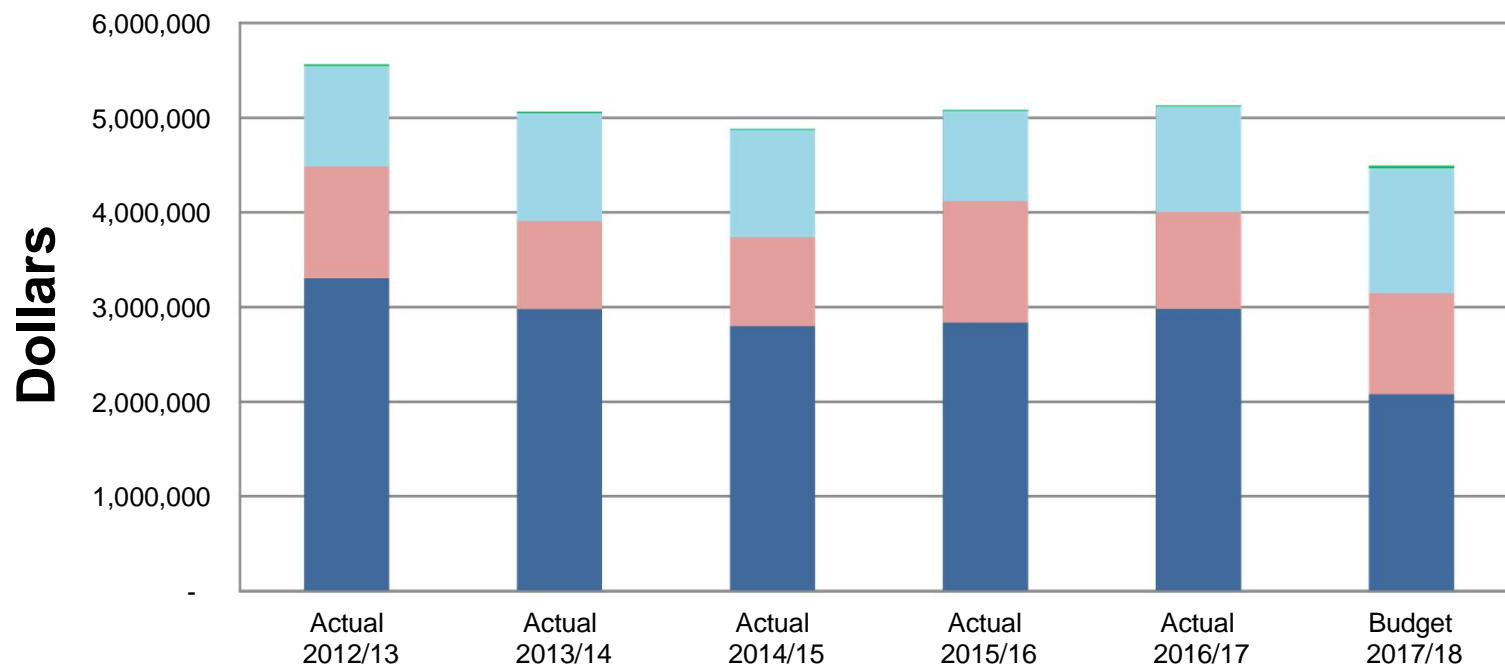


# Summary of Budgeted Assessments

	PROPOSED BUDGET 2017/2018	CURRENT BUDGET 2016/2017
<b>SIRWCD ONGOING PROGRAMS:</b>		
<b>Operations</b>		
Water Control		
East Side -Maintenance	\$ 330,000	\$ 300,000
West Side-Maintenance	1,003,800	978,800
Road Maintenance		
PBCE	405,000	367,500
Jupiter Farms	795,000	770,000
PBCE Park-Maintenance	96,000	96,000
<b>Debt Service</b>		
<b>Area Wide Debt Service</b>		
2011 Section 15 Egret Landing Refunding Note	0	535,000
2015 PBCE Water Distribution System Bond	1,200,000	1,200,000
<b>Project Based Debt Service</b>		
2004 Road Improvement Note Series A	0	210,000
2004 Road Improvement Note Series B	0	8,000
2004 Road Improvement Note Series C	40,000	40,000
2007 Road Improvement Note- Series A	213,400	213,400
2007 Road Improvement Note- Series B	15,100	15,100
2007 Road Improvement Note- Series C	21,500	21,500
2011 16A POI Road Improvement Note	36,200	36,200
2011 16B POI Road Improvement Note	144,800	144,800
2013 17TH POI Road Improvements-Series A	12,640	12,600
2013 17TH POI Road Improvements-Series B	66,360	66,400
2016 18TH POI Road Improvements	189,000	189,000
2009 Hookup Financing Note-3/4" Meter	214,400	214,400
2009 Hookup Financing Note-1" Meter	15,600	15,600
<b>TOTAL SIRWCD ONGOING PROGRAMS</b>	<b>\$ 4,798,800</b>	<b>\$ 5,434,300</b>
<b>TOJ Hookup Financing</b>	<b>\$ 69,325</b>	<b>\$ 52,150</b>
<b>TOTAL ALL PROGRAMS</b>	<b>\$ 4,868,125</b>	<b>\$ 5,486,450</b>

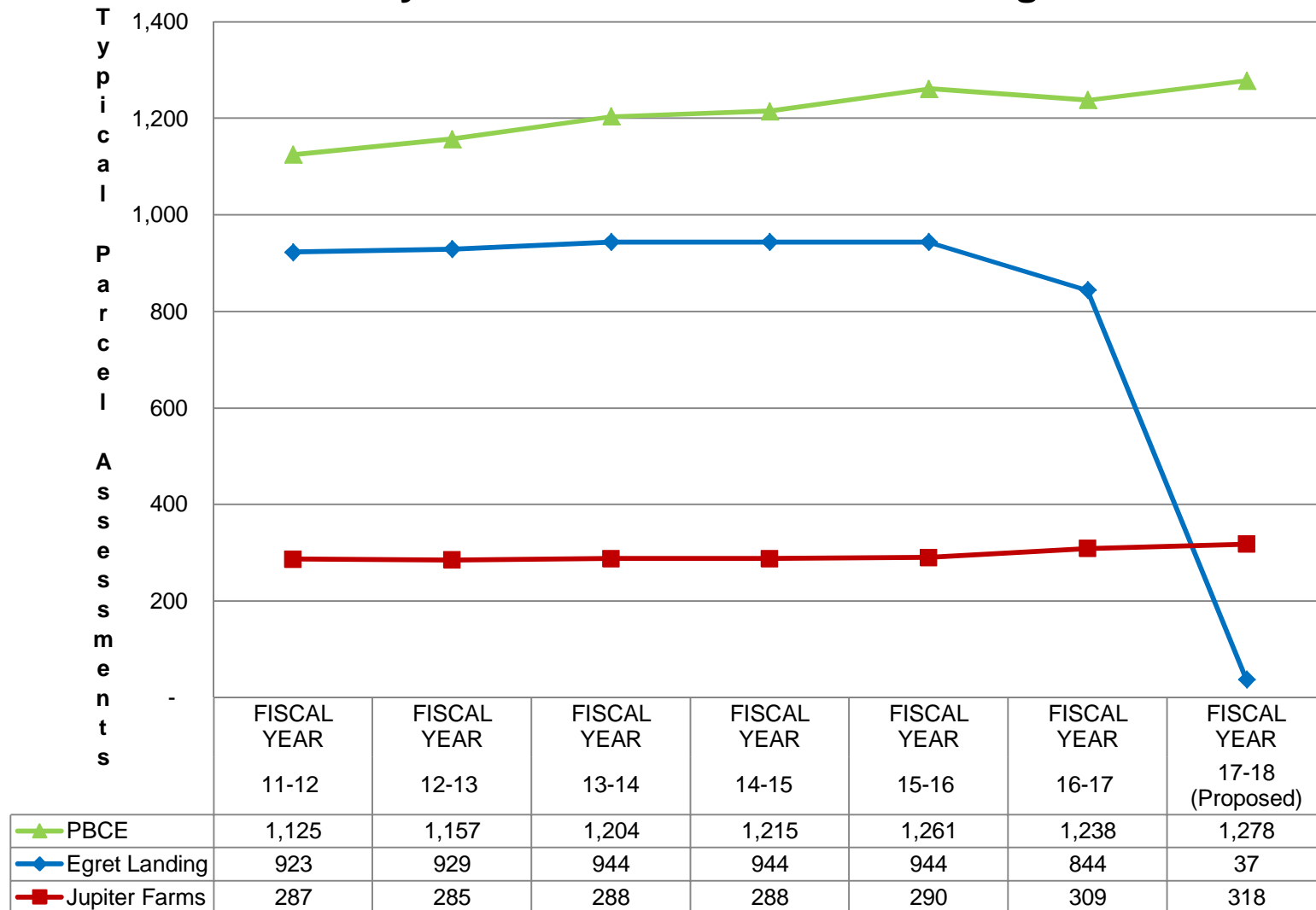
Typical Assessment By Unit	Typical Acre	Nbr. Of Units	Typical	Typical	Increase (Decrease) (\$)	% Increase	% (Decrease)
			Parcel Assessment (\$) 2016/2017	Parcel Assessment (\$) 2017/2018			
PBCE (Excluding Hookup Financing & Road Improvement Notes)	1.15	1,531	1,238	1,278	40.00	3.23%	
PBCE, No Road Maintenance	1.15	15	998	1,013	15.00	1.50%	
Egret Landing	0.25	666	844	37	(807.00)		-95.62%
Jupiter Farms (Excluding Road Improvement Notes)	1.25	4,550	309	318	9.00	2.91%	
Jupiter Farms, No Road Maintenance	1.25	558	139	143	4.00	2.88%	
2004 Road Improvement Note Series A		684	310	-	(310.00)		-100.00%
2004 Road Improvement Note Series B		402	20	-	(20.00)		-100.00%
2004 Road Improvement Note Series C		70	574	574	-		0.00%
2007 OGEM Road Improvement Note- Series A		569	380	380	-		0.00%
2007 OGEM Road Improvement Note- Series B		46	330	330	-		0.00%
2007 OGEM Road Improvement Note- Series C		25	860	860	-		0.00%
2009 Hookup Financing Note 3/4" Meter		536	400	400	-		0.00%
2009 Hookup Financing Note 1" Meter		15	988	988	-		0.00%
2011 16A POI Road Improvement Note		71	510	510	-		0.00%
2011 16B POI Road Improvement Note		168	873	873	-		0.00%
2013 17TH POI Road Improvements-Series A		11	1,150	1,150	-		0.00%
2013 17TH POI Road Improvements-Series B		57	1,170	1,180	10.00	0.85%	
2016 18TH POI Road Improvements		165	1,150	1,160	10.00	0.87%	
TOJ Hookup Financing 3/4" Metter		170	350	362	12.00	3.43%	
TOJ Hookup Financing 1"Meter		9	840	865	25.00	2.98%	

# South Indian River WCD Expenditures by Programs



	Actual 2012/13	Actual 2013/14	Actual 2014/15	Actual 2015/16	Actual 2016/17	Budget 2017/18
■ Park maintenance	17,549	15,817	10,588	11,989	13,168	24,600
■ Water control operations	1,062,179	1,138,276	1,129,877	950,258	1,111,228	1,320,840
■ Road maintenance-operations	1,182,019	929,726	939,918	1,282,491	1,025,584	1,066,660
■ Debt service	3,302,955	2,978,196	2,799,872	2,837,045	2,981,149	2,079,997

# South Indian River Water Control District History of Assessments- Selected Neighborhoods



## Item 4: Comments from Landowners

Landowners may provide comment to the Board at this time.

**Public Comment**

**Board Discussion**

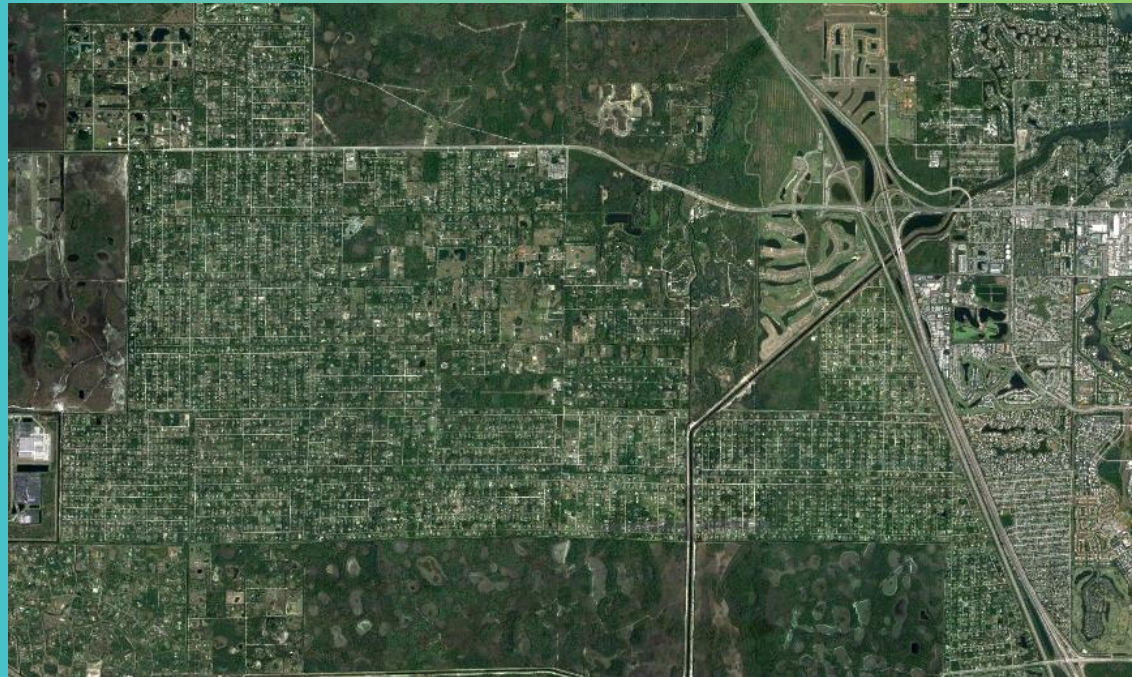


## Item 5: Adjourn

Motion to Adjourn?



# South Indian River Water Control District August Board of Supervisors Meeting



**August 17, 2017**



## Item 1: Consent Agenda

- A. Approval of Minutes of Previous Meeting
- B. Approval of Warrant List

### **Board Discussion**

### **Motion from the Board**

## Item 2: Public Information Report



Presented by Donna J. DeNinno,  
District Public Information Officer

## Item 3: Treasurer's Report

- A. Consideration of Adoption of a Resolution Adopting the 2017/2018 Budget
- B. Election of the Uniform Method of Collection of Non Ad Valorem Assessments for the Fiscal Year 2017/2018



Presented by  
Chuck Haas, Treasurer

## Item 4: Manager of Operations' Report



Presented by Mike Dillon  
Manager of Operations



## Item 4: Canal 13 at 156<sup>th</sup> Street



## Item 4: Canal 13 at 156<sup>th</sup> Street



## Item 4: 10388 154<sup>th</sup> Outfall



## Item 4: 87<sup>th</sup> and 159th





## Item 4: 87<sup>th</sup> and 159th



## Item 4: 87<sup>th</sup> and 159th



## Item 4: 87<sup>th</sup> and 159th



## Item 4: 87<sup>th</sup> and 159th



## Item 4: 87<sup>th</sup> and 159th



## Item 4: 87<sup>th</sup> and 159th



## Item 5: Engineer's Report

Presented by Amy E. Eason, PE,  
District Engineer



## Proposed 19<sup>th</sup> Plan of Improvements

### Asphalt ( $\pm$ 2.3 miles)

- 76th Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- 76th Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
- 154<sup>th</sup> Court N. between 75<sup>th</sup> Ave. and 81<sup>st</sup> Court N.
- 159<sup>th</sup> Court N. between 78<sup>th</sup> Drive N. to 83<sup>rd</sup> Way N.
- 160<sup>th</sup> Street N. between 75<sup>th</sup> Ave. N. and 72<sup>th</sup> Drive N. and 75<sup>th</sup> Ave. and 72<sup>nd</sup> Drive N. from 160<sup>th</sup> Street N. to 160<sup>th</sup> Lane N.
- 175<sup>th</sup> Road N. between Jupiter Farms Road and West End



# 19<sup>th</sup> Plan of Improvement

- Approximately 2.3 miles
- Estimating \$470,000 per mile
- Approx. 95 assessable lots with 22 corner lots from a previous POI
- Total Estimated Construction Costs = \$1,128,000

## Next Steps

- Submitted plan to SFWMD for review and comment on July 19<sup>th</sup> (60 day review process. Approx. Sept 19<sup>th</sup>)
- Complete any ditch work or pipe relocations (approx. end of Sept. Dependent of rain)
- Begin survey work for design (approx. Oct)
- Begin design (approx. Nov-Dec)



## Item 6: Attorney's Report



Presented by  
William G. Capko and Terry E. Lewis,  
District Attorneys



## Item 7: Old Business

### Board Discussion



## Item 8: New Business

### A. Requirements for Candidate Bios

## Board Discussion



## Item 9: Landowners' Items

Landowners may provide comment to the Board at this time.

**Public Comment**

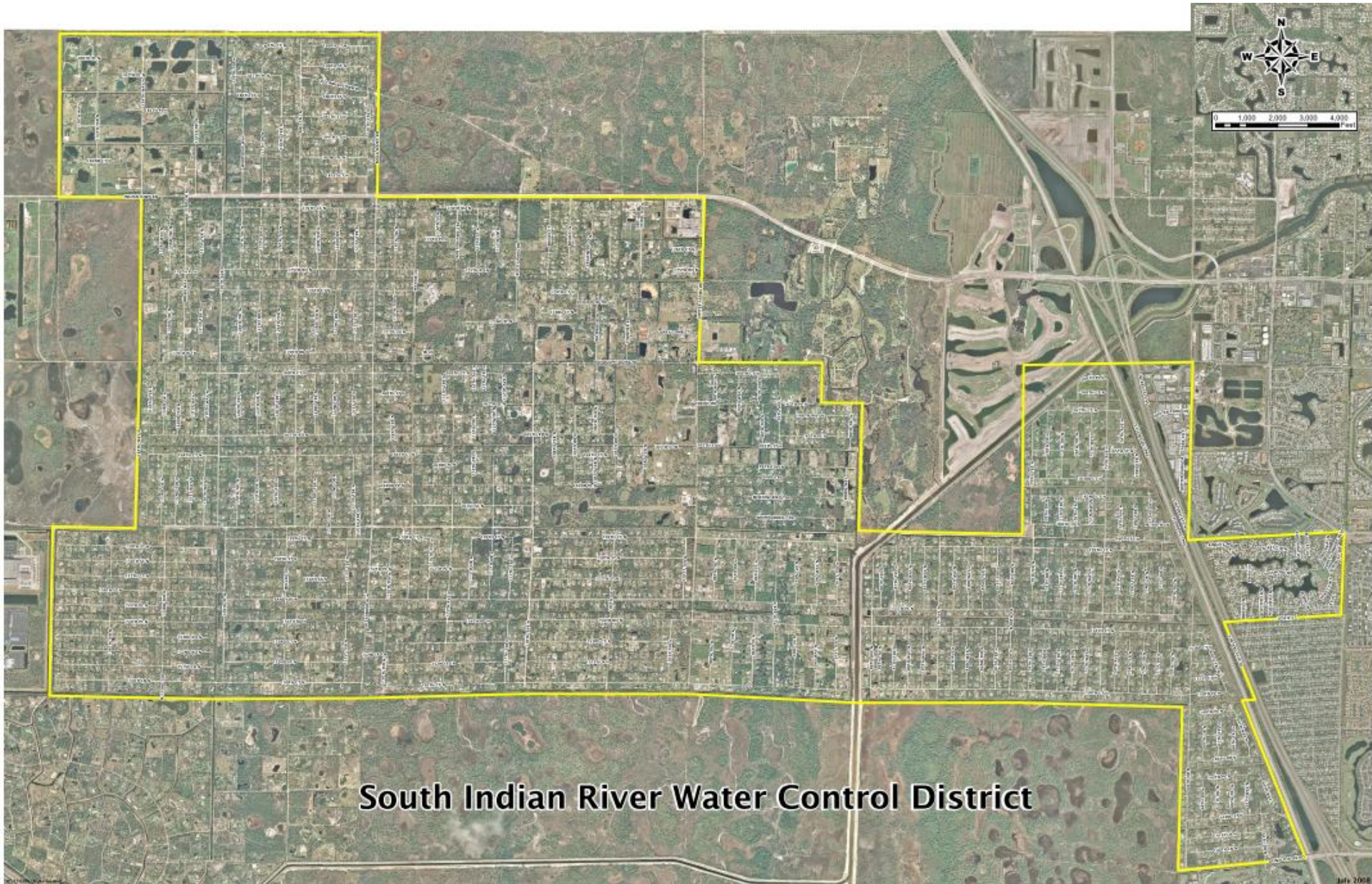
**Board Discussion**



## Item 10: Adjourn

Motion to Adjourn?





**South Indian River Water Control District**



# South Indian River Water Control District™

*Established 1923*

## **BOARD OF SUPERVISORS AND ANNUAL LANDOWNERS' MEETINGS**

September 21, 2017 - 7:00 p.m.

JUPITER COMMUNITY HIGH SCHOOL AUDITORIUM  
500 N. Military Trail, Jupiter, FL 33458

### **A G E N D A**

#### **BOARD OF SUPERVISORS MONTHLY MEETING**

1. Call to order
2. Pledge of Allegiance
3. Consent Agenda
  - a) Approval of Warrant List
4. Adjourn

#### **ANNUAL LANDOWNERS' MEETING**

1. Call to Order
2. Election of Officers for the Meeting
  - a) Chairman
  - b) Secretary
3. Approval of Minutes of 2016 Annual Meeting
4. Election of Supervisors
  - a) Nominations
  - b) Motion to Close Nominations
  - c) Voting for Candidates and Closing of Balloting
5. Annual Reports
  - a) Treasurer's Report
  - b) Engineer's Report
  - c) Manager of Operations Report
6. Compensation of Supervisors
7. General Discussion
8. Adjourn

*A Florida Special District*

15600 Jupiter Farms Road • Jupiter, Florida 33478-9399 • (561) 747-0550 • Fax (561) 747-9182

[www.sirwcd.org](http://www.sirwcd.org) • [sirwcd@sirwcd.org](mailto:sirwcd@sirwcd.org)



## ATTENTION AUDIENCE

- ✓ Tonight's meeting contains two meetings: **Monthly Board Meeting and the Annual Landowner Meeting**
- ✓ Please make sure you sign in at the table
- ✓ The Monthly Board Meeting will be conducted **only to approve the warrant list**
- ✓ Landowner's will be given an opportunity to comment and ask questions after each of the Annual Reports given by staff
- ✓ If you would like to comment on Item 7, General Discussion,

### **PLEASE FILL OUT A COMMENT CARD**

- ✓ Depending on the number of comment cards received, will determine the amount of time you are allowed to speak

**The Chairperson will determine the time allowed to speak**

- ✓ At 8:40 pm, the meeting will end. We must be out of the space by 9:00 pm
- ✓ **Thank you for your patience!**

**BOARD OF SUPERVISORS**  
**MONTHLY MEETING**  
SEPTEMBER 21, 2017



**South Indian River**  
*Water Control District™*

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# AGENDA

1. Call to Order
2. Pledge of Allegiance
3. Consent Agenda
- a) Approval of Warrant List
4. Adjourn



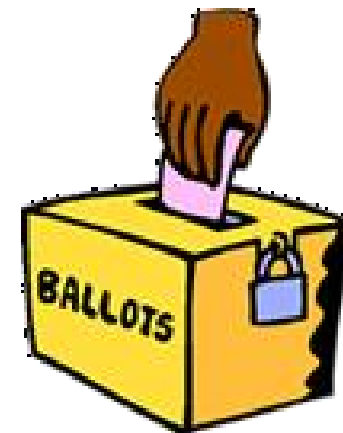
**ANNUAL LANDOWNER'S  
MEETING**  
SEPTEMBER 21, 2017



[www.sirwcd.org](http://www.sirwcd.org)

# AGENDA

1. Call to Order
2. Election of Officers for the Meeting
  - a) Chairman
  - b) Secretary
3. Approval of Minutes of 2016 Annual Meeting
4. Election of Supervisors
  - a) Nominations
  - b) Motion to Close Nominations
  - c) Voting for Candidates and Closing of Balloting
5. Annual Reports
  - a) Treasurer's Report
  - b) Engineer's Report
  - c) Manager of Operations' Report



# ANNUAL TREASURER'S REPORT



Presented by Chuck Haas, Treasurer

[www.sirwcd.org](http://www.sirwcd.org)



# SIRWCD BACKGROUND INFORMATION

- ✓ Uses Assessments to Finance it's Programs
- ✓ Contains Approx. 12,500 acres with 11,089 acres being assessed
- ✓ Created Under Chapter 298 FS and Chapter 2001-313 Laws of Florida
- ✓ Maintains Water Control and Road Maintenance for Jupiter Farms, Egret Landing, and Jupiter Park of Commerce
- ✓ Maintains Water Control and Road and Park Maintenance for Palm Beach Country Estates (PBCE)

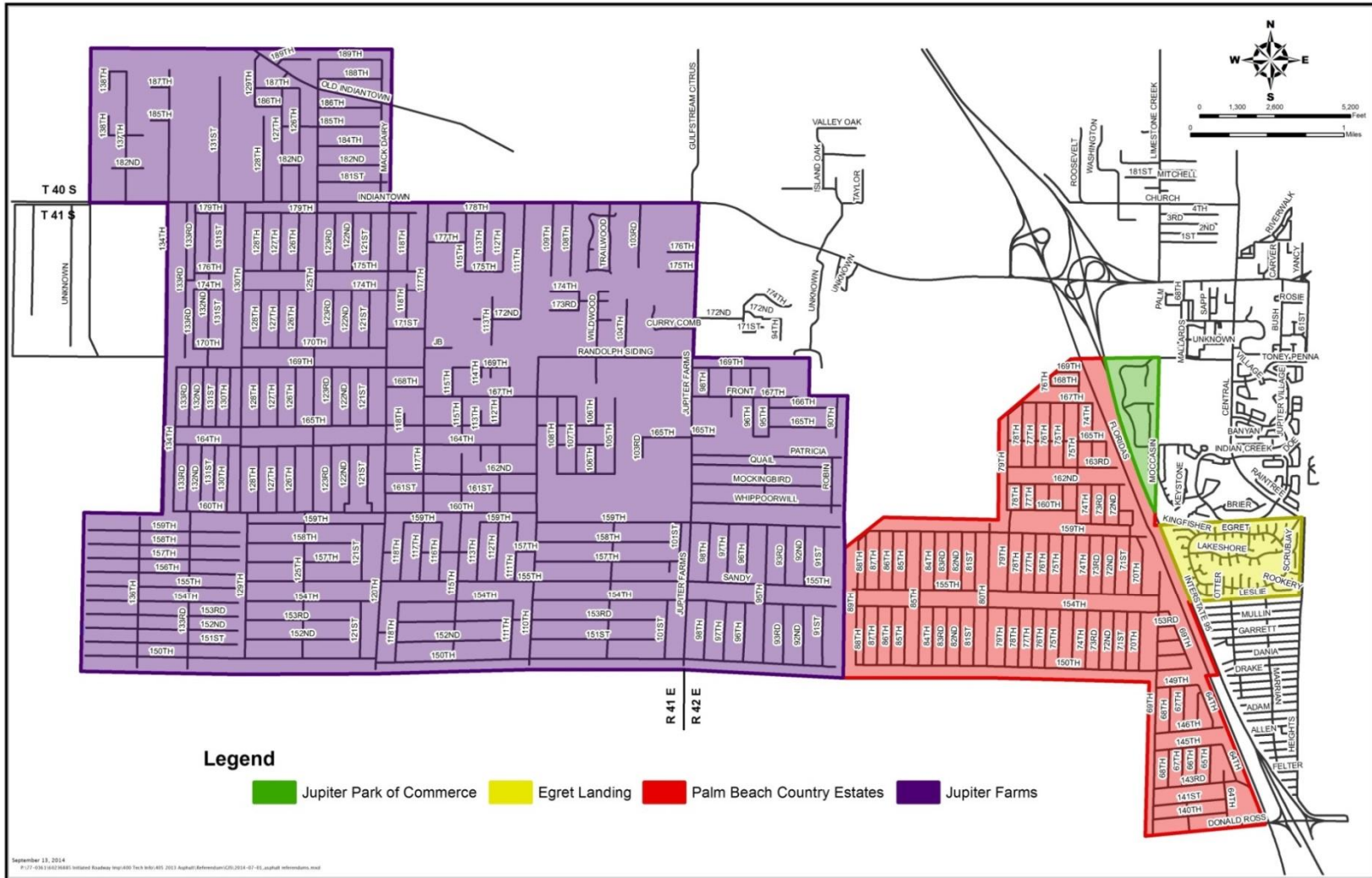
## SIRWCD COMPLIES WITH:

- ✓ Section 11.45 and Chapter 218, FS prescribing a Uniform Chart of Accounts and Uniform Fiscal Year
- ✓ With the Florida Auditor General by filing an Annual Audited Financial Statement (Chapter 218.39, FS)
- ✓ With the Florida Department of Financial Services by filing an Annual Financial Report
- ✓ Filing a Public Depositor Annual Report to the Florida Chief Financial Officer
- ✓ The Local Governmental Entity Financial Emergencies Act (Chapter 218, FS)
- ✓ The Uniform Special District Accountability Act (Chapter 189, FS)
- ✓ Chapter 197, Florida Statutes – Tax Collections, Sales, and Liens





# ROAD AND PARK MAINTENANCE



September 13, 2014  
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**SOUTH INDIAN RIVER WATER CONTROL DISTRICT**  
**GOVERNMENTAL FUNDS**  
**COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN**  
**FUND BALANCES FOR FISCAL YEAR ENDING**  
**SEPTEMBER 30, 2016**

Total revenues	\$ 5,340,810
Total other financing sources	1,902,116
Total expenditures	5,737,622
Excess of revenues and other financing sources under expenditures	1,505,304
Fund balances, beginning of year	3,326,851
Fund balances, September 30, 2016	\$ 4,832,155

SOUTH INDIAN RIVER WATER CONTROL DISTRICT  
 GOVERNMENTAL FUNDS  
 COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN  
 FUND BALANCES FOR FISCAL YEAR ENDING  
 SEPTEMBER 30, 2016

## Revenues Detailed

Revenues:	
Assessments	\$ 5,206,736
Charges for services	4,250
Reimbursement of connections fees	88,891
Investment income	9,255
Miscellaneous	31,678
Total revenues	5,340,810
Other financing sources	
Net proceeds from debt issuance	1,702,116
Transfers (net)	200,000
Total other financing sources	1,902,116
Total revenues and other financing sources	\$ 7,242,926

SOUTH INDIAN RIVER WATER CONTROL DISTRICT  
 GOVERNMENTAL FUNDS  
 COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN  
 FUND BALANCES FOR FISCAL YEAR ENDING  
 SEPTEMBER 30, 2016

## Expenditures Detailed

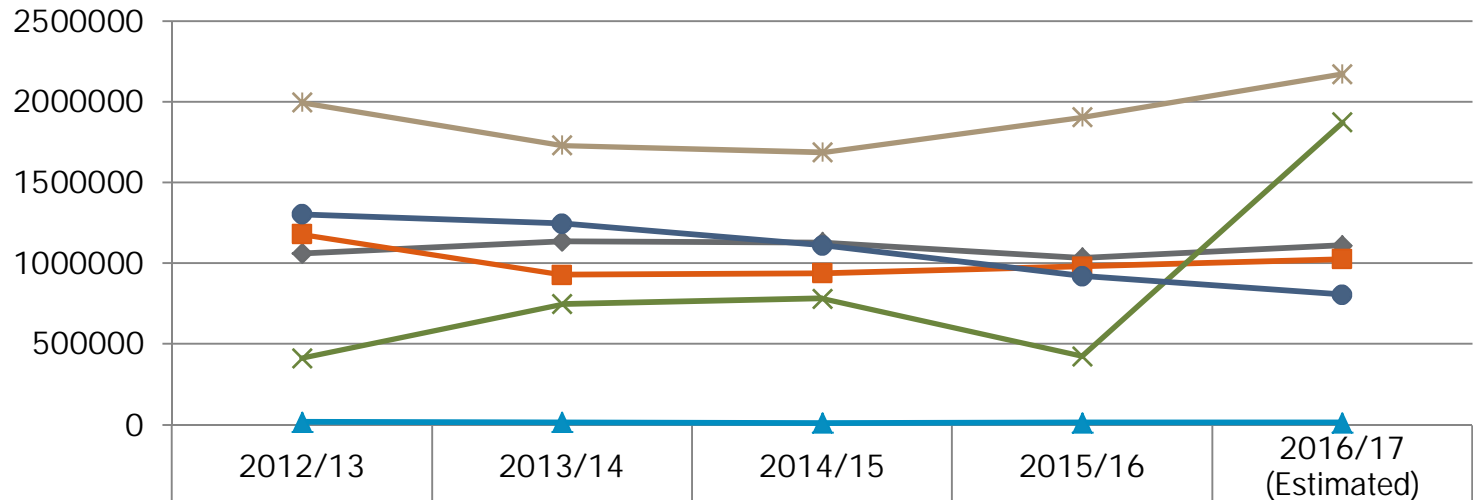
Expenditures:	
Current:	
Water control	950,258
Road maintenance	1,282,491
Park maintenance	11,989
Capital outlay	
Water control	124,522
Road improvements	309,032
Debt service:	
Principal retirement	1,906,480
Interest & Other	795,790
Bond issuance cost	222,285
Other debt service	134,775
Total expenditures	5,737,622

SOUTH INDIAN RIVER WATER CONTROL DISTRICT  
GOVERNMENTAL FUNDS  
COMBINED STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN  
FUND BALANCES FOR FISCAL YEAR ENDING  
SEPTEMBER 30, 2016

**Fund Balance Detailed**

Total revenues and other financing sources	7,242,926
Total expenditures	5,737,622
Excess of revenues and other financing sources under expenditures	1,505,304
Fund balances, beginning of year	3,326,851
Fund balances, September 30, 2016	\$ 4,832,155
Restricted for debt service	1,319,996
Restricted for future construction	1,750,340
Committed for renewal and replacement	386,072
Assigned for subsequentt year operations	1,375,747
Total fund balances	\$ 4,832,155

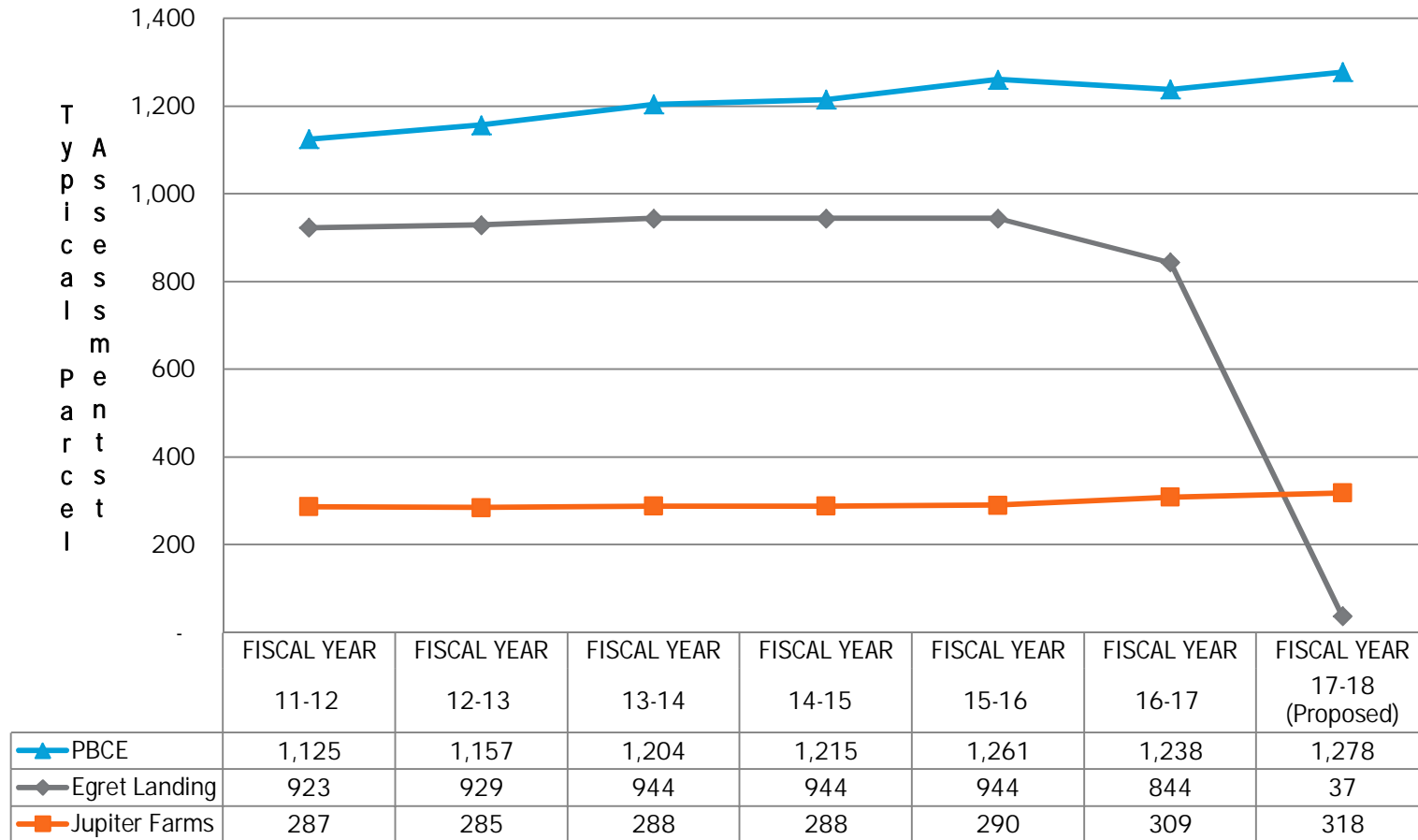
# EXPENDITURE HISTORY



◆ Canal Maintenance	1062179	1138276	1129877	1034384	1111228
■ Road Maintenance	1182019	929726	939918	980149	1025584
▲ Park Maintenance	17549	15817	10588	13120	13168
✕ Capital Outlay	413250	749561	782229	425000	1875000
* Principal (scheduled)	1998665	1731880	1688298	1906480	2175317
● Interest & Fiscal Changes	1304290	1246336	1111574	921269	805832

# HISTORY OF ASSESSMENTS-SELECTED AREAS

South Indian River Water Control District  
History of Assessments- Selected Neighborhoods





# PUBLIC COMMENT OR QUESTIONS



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**South Indian River**  
Water Control District™

# ANNUAL ENGINEER'S REPORT



Presented by Amy Eason, PE  
District Engineer

# DISTRICT ENGINEER'S STATEMENT

- ✓ To the best of my knowledge and belief, the District is in compliance with all regulatory requirements that affect works of the District and their operation.
- ✓ The works of the District continue to be operated and maintained in a manner that achieves the available level of service.
- ✓ The annual report of the Operations Manager has been included as an appendix to the 2017 written report.

# 2017 ANNUAL REPORT

- ✓ Capital Improvements
- ✓ Resource Regulations
- ✓ Intergovernmental Coordination
- ✓ Operations & Maintenance

**AECOM**

September 21, 2017

South Indian River Water Control District  
**District Engineer's  
Annual Report**



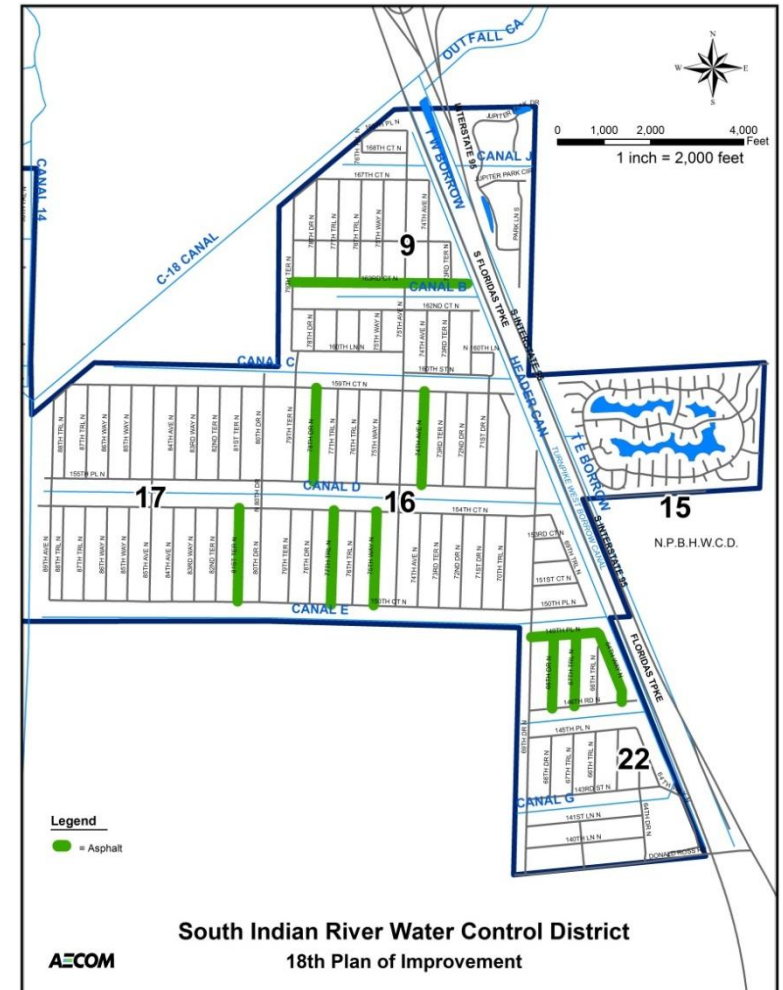
**AECOM**

[www.sirwcd.org](http://www.sirwcd.org)



# CAPITAL IMPROVEMENTS 18<sup>TH</sup> PLAN OF IMPROVEMENTS

- ✓ Approximately 3.8 miles
- ✓ Approximately 166 assessable lots
- ✓ Total Estimated Construction Costs = \$1,463,000
- ✓ Estimate Financing = \$1,150 per year for 10 years
- ✓ Payout per lot \$8,813
- ✓ Completed April 2017
- ✓ Final Construction Cost = \$1,333,650



# CAPITAL IMPROVEMENTS 18<sup>TH</sup> PLAN OF IMPROVEMENTS



149<sup>th</sup> Place N



67<sup>th</sup> Trail N

# CAPITAL IMPROVEMENTS

## 19<sup>TH</sup> PLAN OF IMPROVEMENTS

- ✓ 76th Trail N. between 160<sup>th</sup> Lane N. and 162<sup>nd</sup> Court N.
- ✓ 76th Trail N. between 163<sup>rd</sup> Court N. and 165<sup>th</sup> Street N.
- ✓ 78<sup>th</sup> Drive N. between 165<sup>th</sup> Street N. and 167<sup>th</sup> Court N.
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- ✓ 175<sup>th</sup> Road N. between Jupiter Farms Road and West End





# CAPITAL IMPROVEMENTS 19<sup>TH</sup> PLAN OF IMPROVEMENTS

- ✓ Approximately 2.3 miles
- ✓ Estimating \$470,000 per mile
- ✓ Approximately 95 assessable lots with 22 corner lots from a previous Plan of Improvement
- ✓ Total Estimated Construction Costs = \$1,128,000

## Next Steps

- ✓ Complete any ditch work or pipe relocations (approx. Nov.)
- ✓ Begin survey work for design (approx. Dec.)
- ✓ Begin design (approx. Jan.-Feb)

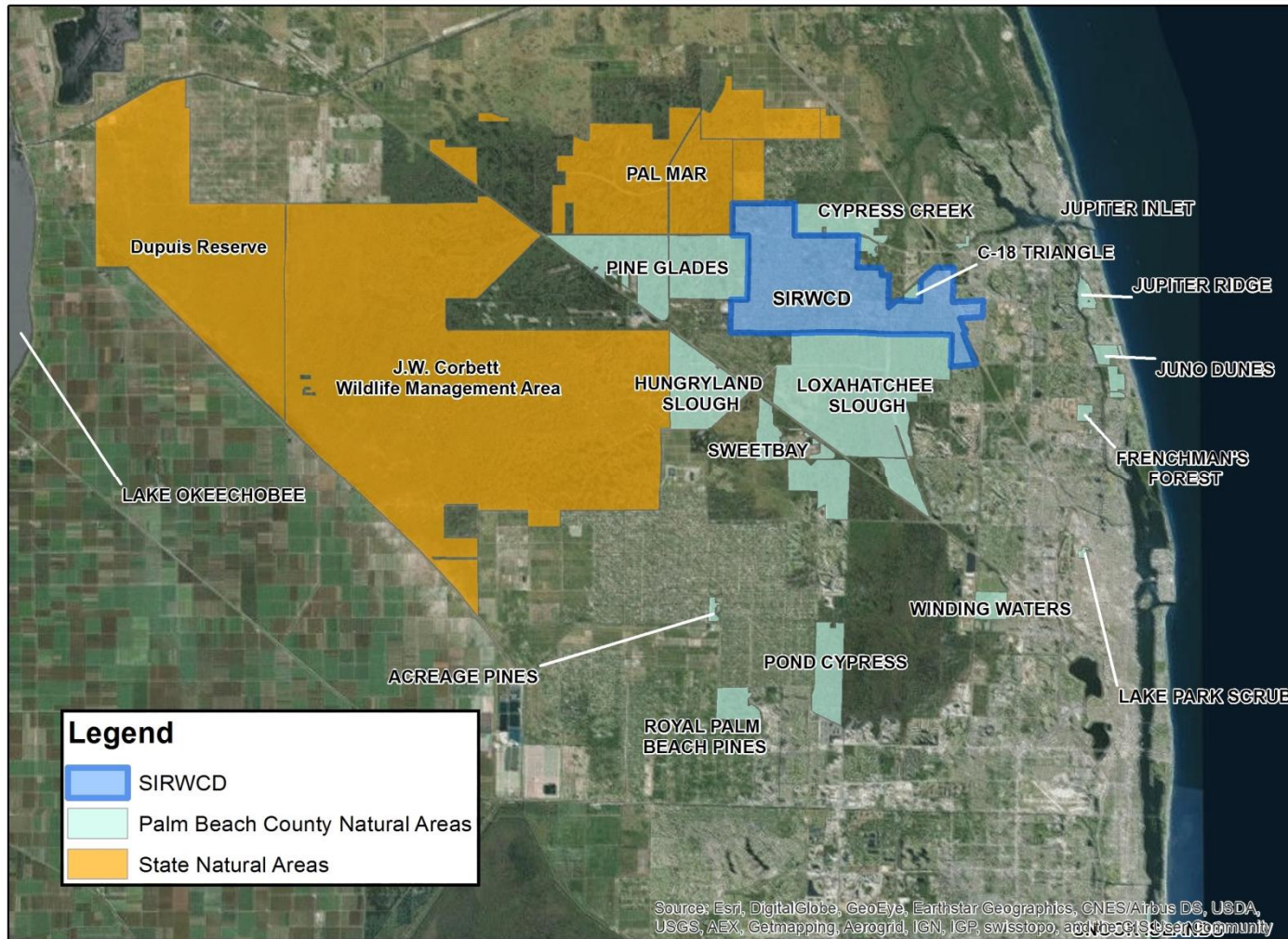


# RESOURCE REGULATIONS

- ✓ National Pollutant Discharge Elimination System (NPDES)
- ✓ Waters of the United States (WOTUS) Rule



# INTERGOVERNMENTAL COORDINATION



# INTERGOVERNMENTAL COORDINATION

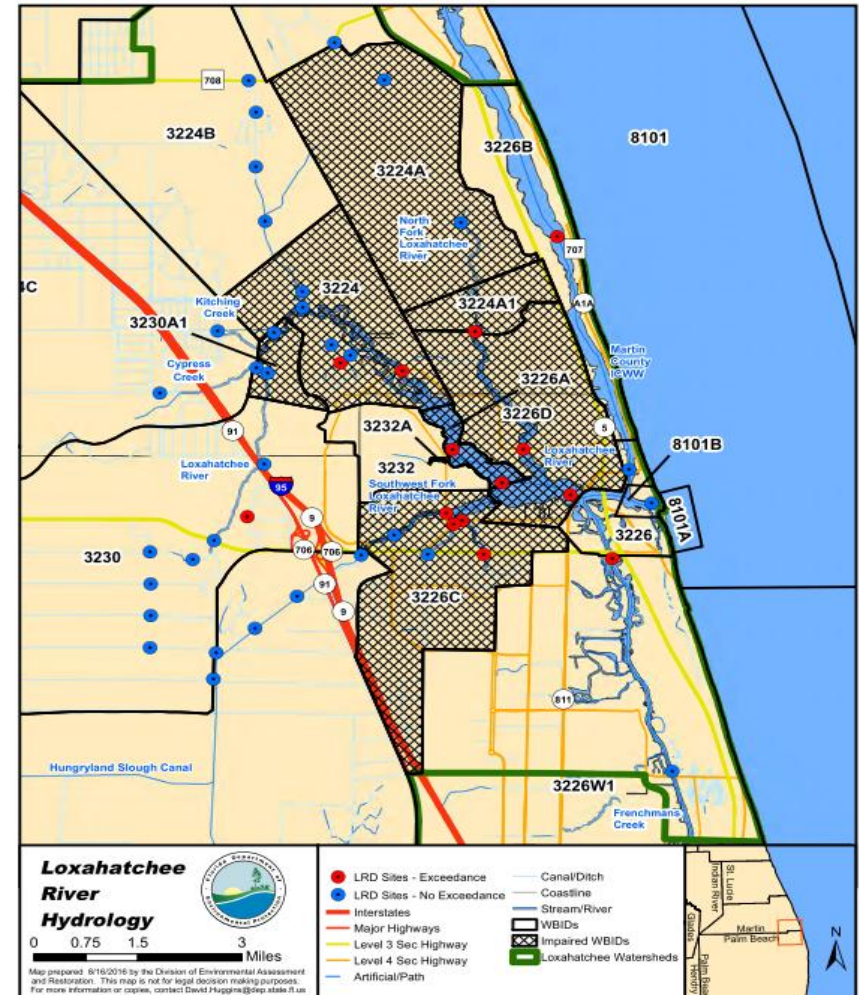
U.S. Environmental Protection Agency (EPA)	Treasure Coast Regional Planning Council
U.S. Army Corps of Engineers (USACE)	Seacoast Utility Authority
Florida Fish & Wildlife Conservation Commission	Loxahatchee River Management Coordinating Council
Florida Department of Environmental Protection (FDEP)	Loxahatchee River Ecosystem Management Area
Florida Department of Community Affairs	Jupiter Inlet District
Florida Department of Transportation (FDOT)	Indian Trail Improvement District
South Florida Water Management District (SFWMD)	City of Palm Beach Gardens
Loxahatchee River Environmental Control District	Martin County
Palm Beach County	U.S. Geological Survey (USGS)
Town of Jupiter	City of West Palm Beach
Northern Palm Beach County Improvement District (NPBCID)	U.S. Fish & Wildlife Service
Solid Waste Authority of Palm Beach County (SWA)	Numerous Citizen Interest Groups and Committees

# INTERGOVERNMENTAL COORDINATION

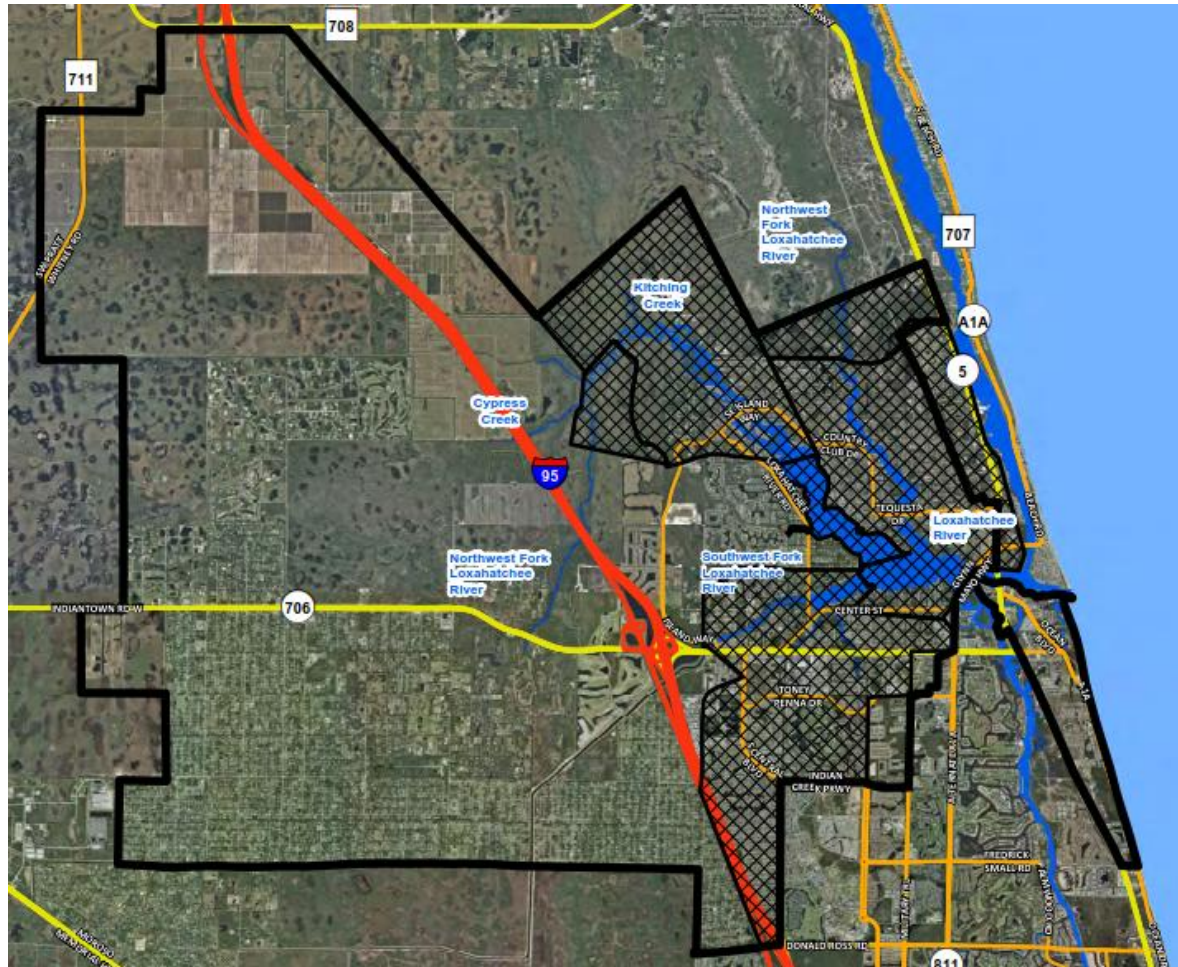
- ✓ Loxahatchee River Management Coordinating Council (LRMCC)
- ✓ Reasonable Assurance Plan (RAP)
- ✓ Loxahatchee River Preservation Initiative (LRPI)
- ✓ South Florida Water Management District (SFWMD) Everglades Restoration Strategies
- ✓ Loxahatchee River Watershed Restoration Project

# INTERGOVERNMENTAL COORDINATION REASONABLE ASSURANCE PLAN (RAP)

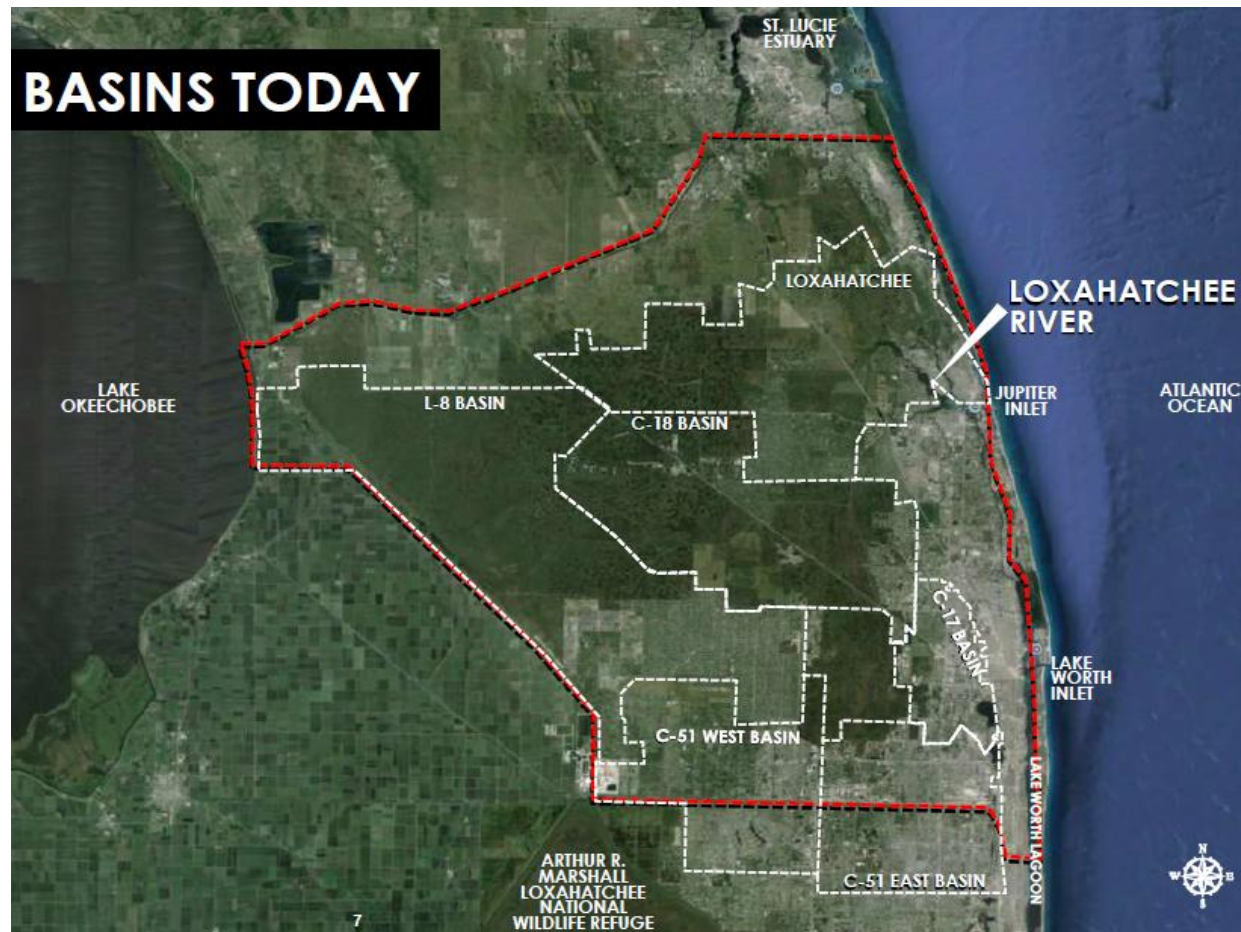
- ✓ **WBID 3224 – Upper Loxahatchee**
  - **Impaired for:** fecal coliforms, dissolved oxygen (study list)
  - **Not Impaired for:** chlorophyll-a, TN, or TP
- ✓ **WBID 3226C – Loxahatchee River Estuary (Southwest Fork)**
  - **Impaired for:** chlorophyll-a, fecal coliforms (TMDL-not to exceed 43 counts/100mL in any sampling event for Class 2)
  - **Not Impaired for:** DO, TN, or TP
- ✓ **WBID 3226A – Northwest Segment of Estuary**
  - **Impaired for:** chlorophyll-a, fecal coliforms
  - **Not Impaired for:** DO, TN, or TP
- ✓ **WBID 3226D – Middle Segment of Estuary**
  - **Impaired for:** fecal coliforms
  - **Not Impaired for:** DO, chlorophyll-a, TN, or TP



# INTERGOVERNMENTAL COORDINATION REASONABLE ASSURANCE PLAN (RAP)



# INTERGOVERNMENTAL COORDINATION LOXAHATCHEE RIVER WATERSHED RESTORATION PROJECT



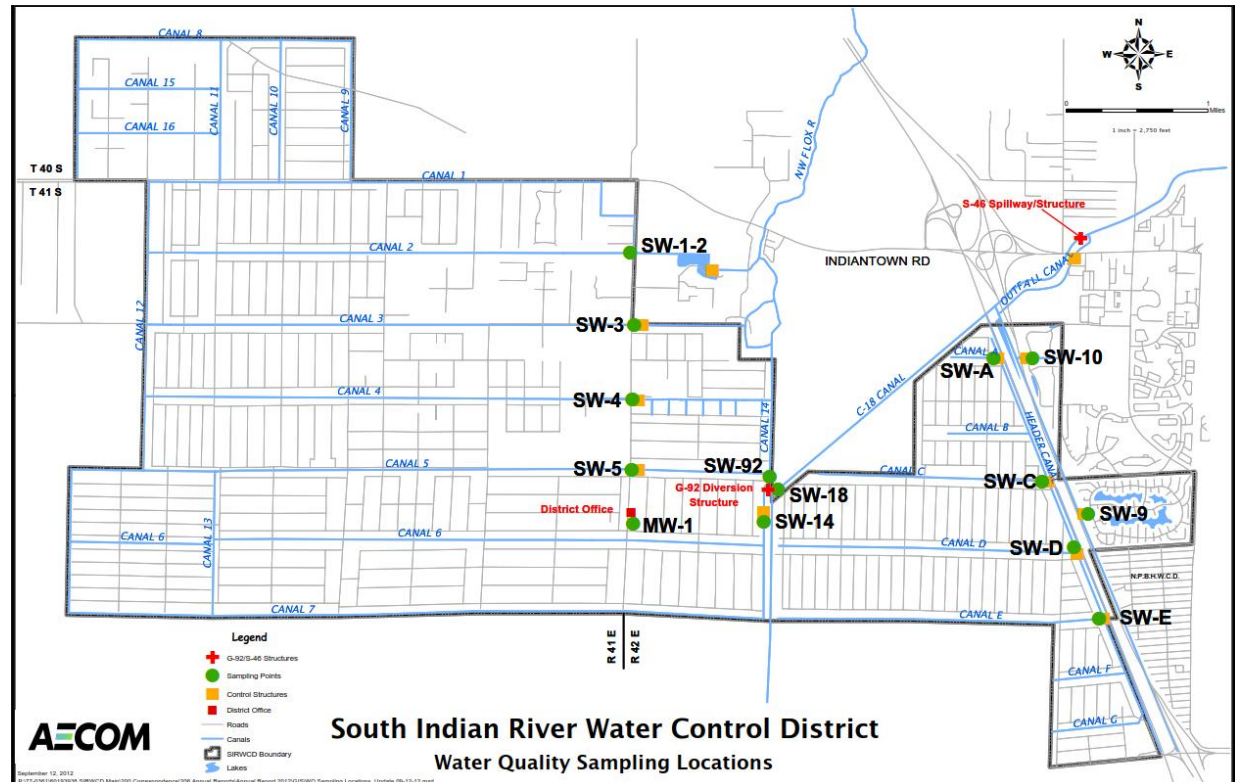


# OPERATION & MAINTENANCE

- ✓ Water Quality Monitoring
- ✓ Rainfall
- ✓ Driveway Culvert Replacement Program
- ✓ Culvert Installation in Canal 6 and Canal 8
- ✓ Canal Clearing and Maintenance
- ✓ Secondary Ditch Reclamation
- ✓ Roadway Maintenance

# OPERATIONS AND MAINTENANCE WATER QUALITY

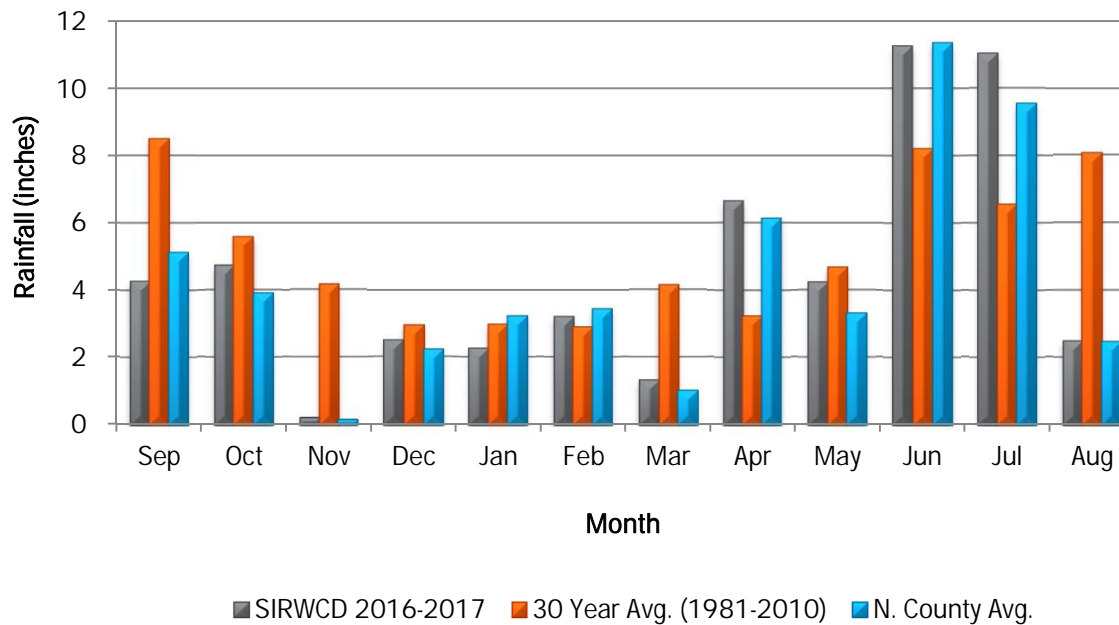
Alkalinity
Arsenic
Cadmium
Chlorophyll-a (corrected)
Copper
Color
Dissolved Oxygen
Fecal Coliform
Lead
Nitrogen, Ammonia
Nitrogen, Nitrate-Nitrite
Nitrogen, Total Kjeldahl
pH
Phosphorus, Orthophosphate
Phosphorus, Total
Salinity
Specific Conductivity
Temperature
Total Hardness (as CaCO <sub>3</sub> )
Total Suspended Solids
Turbidity
Zinc



# OPERATION AND MAINTENANCE 2016-2017 RAINFALL

- ✓ Average annual rainfall for SIRWCD = 65 inches
- ✓ Cumulative Rainfall = approximately 54 inches

## SIRWCD 2016-2017 RAINFALL ANALYSIS



# OPERATION & MAINTENANCE LEVEL OF SERVICE

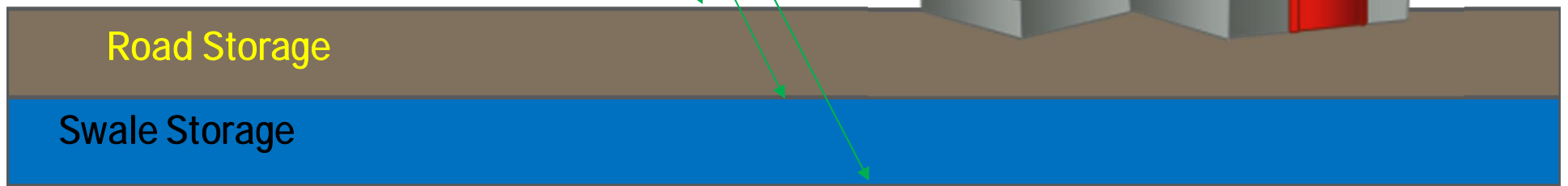
10 year, 1 day = 8.7 inches  
100 year, 3 day = 16 inches

## Design Storms

- < 10 year, 1-day
- > 10 year, 1-day
- 100 year, 3 day



Dry House Pad



# PUBLIC COMMENT OR QUESTIONS



# ANNUAL MANAGER OF OPERATIONS' REPORT



Presented by Mike Dillon  
Manager of Operations

[www.sirwcd.org](http://www.sirwcd.org)



# DRIVEWAY CULVERT REPLACEMENT PROGRAM



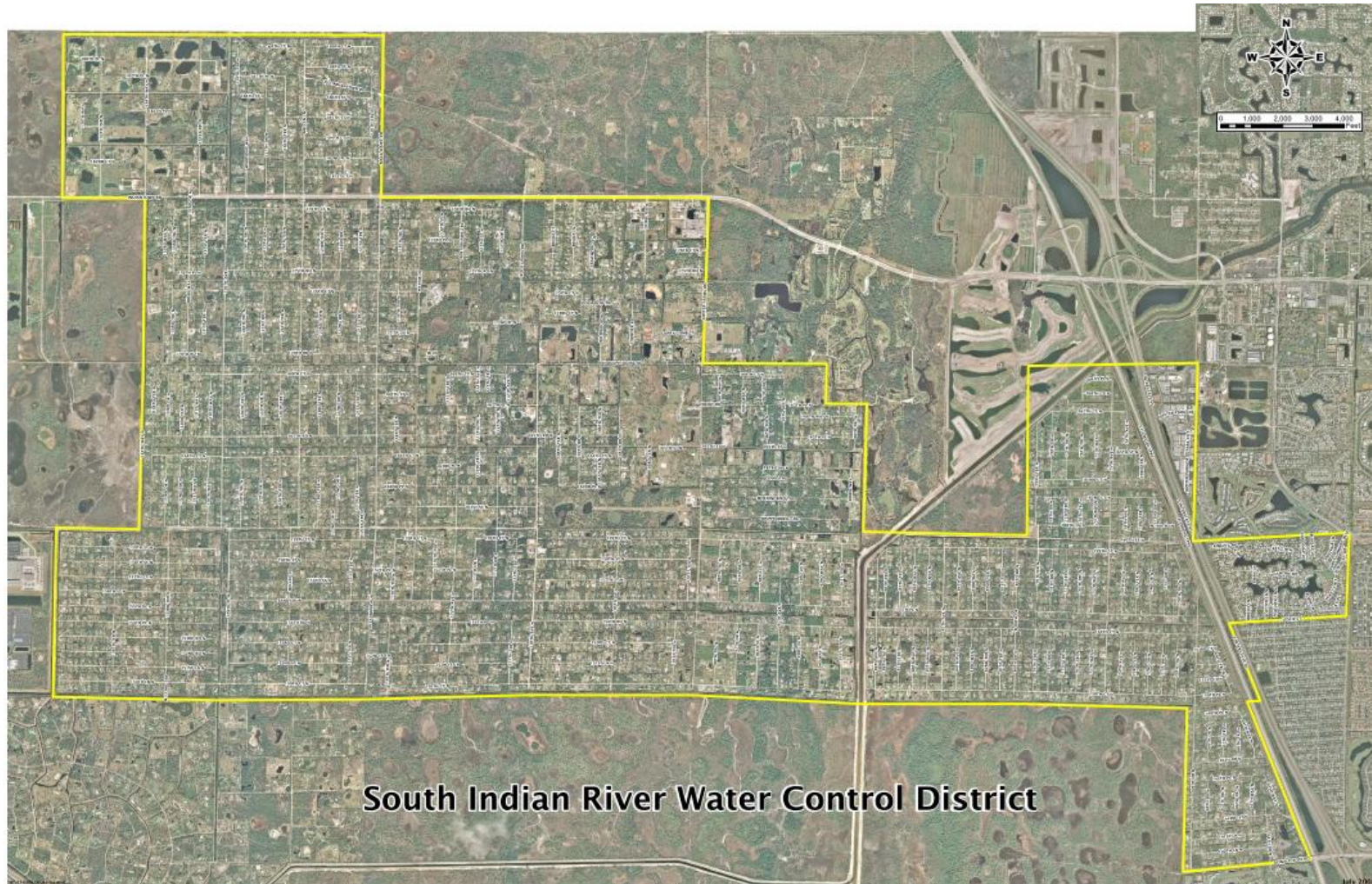
- ✓ Installed 207 culverts, 59 on schedule for this upcoming year
- ✓ \$300 per culvert replacement
- ✓ \$750 per culvert replacement on County roads

# OPERATION AND MAINTENANCE CULVERT REPLACEMENT IN CANAL 6 AND 8





# OPERATION AND MAINTENANCE CULVERT REPLACEMENT IN CANAL 6 AND 8



# OPERATION AND MAINTENANCE CANAL CLEARING AND MAINTENANCE



- ✓ 60 miles of canals
- ✓ 378 miles of drainage swales
- ✓ 6-8 weeks to complete mowing schedule



# OPERATION AND MAINTENANCE SECONDARY DITCH RECLAMATION



# OPERATION AND MAINTENANCE

## ROADWAY MAINTENANCE

- ✓ Over 100 miles of dirt roads maintained
  - ✓ Graded once a week on average
  - ✓ Spread material to restore surface
- 
- ✓ Approx. 53 miles of District Roads are Paved (Asphalt/OGEM)
  - ✓ Inspected each year



# PUBLIC COMMENT OR QUESTIONS



[www.sirwcd.org](http://www.sirwcd.org)



**South Indian River**  
Water Control District™

# COMPENSATION OF SUPERVISORS



# GENERAL DISCUSSION



ADJOURN

