



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

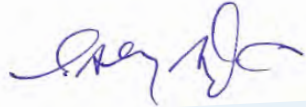
D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

**AGENDA**  
**REGULAR MEETING #09-2022**  
**JULY 21, 2022 – 7:00 PM AT DISTRICT OFFICES**  
ALSO, THE MEETING WILL BE AVAILABLE TO THE PUBLIC ONLINE AT:  
**LOXAHATCHEERIVER.ORG/PUBLICMEETING**

1. Call to Order & Pledge of Allegiance
2. Administrative Matters
  - A. Roll Call
  - B. Previous Meeting Minutes Page 3
  - C. Additions and Deletions to the Agenda
3. Comments from the Public
4. Status Updates
  - A. Loxahatchee River Watershed Page 10
  - B. Loxahatchee River District Dashboard Page 11
5. Consent Agenda (see next page) Page 12
6. Regular Agenda
  - A. Consent Agenda Items Pulled for Discussion
  - B. Lift Station Control Panel Replacement and Telemetry Installation Page 20
  - C. Draft FY2023 Budget Page 21
7. Reports (see next page) Pulled for Discussion
8. Future Business Page 79
9. Board Comments
10. Adjournment

“...if a person decides to appeal any decision made by the Board, with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.”

Submitted by:   
Date: July 13, 2022

**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER

## 5. CONSENT AGENDA

All items listed in this portion of the agenda are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board member or citizen; in which event, the item will be removed and considered under the regular agenda.

- A. Simplex Low Pressure Pump Stations ITB # 22-11-00121 – Recommendation of Award [Page 13](#)
- B. Fixed Asset Disposal – to approve disposal [Page 16](#)
- C. Change Order – to approve change order
  - C1 - 20-007-WWRECGENCONST: Wastewater & Reclaimed Water General Construction Services [Page 17](#)
  - C2 -18-005-LSGENCONSTR: Lift Station Rehabilitation General Construction Services [Page 18](#)

## 7. REPORTS

- A. Neighborhood Sewering [Page 26](#)
- B. Legal Counsel's Report [Page 28](#)
- C. Engineer's Report [Page 32](#)
- D. Busch Wildlife Sanctuary [Page 40](#)
- E. Director's Report [Page 41](#)



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## MEMORANDUM

TO: Governing Board  
FROM: Recording Secretary  
DATE: July 21, 2022  
RE: Approval of Meeting Minutes

Attached herewith are the minutes of the Regular Meeting of June 16, 2022 and 9278 Indiantown Road Workshop of June 28, 2022. As such, the following motion is presented for your consideration:

**“THAT THE GOVERNING BOARD approve the minutes of the June 16, 2022 Regular Meeting and of the June 28, 2022 9278 Indiantown Road Workshop as submitted.”**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT  
REGULAR MEETING - MINUTES  
JUNE 16, 2022

1. CALL TO ORDER

Chairman Snyder called the Regular Meeting of June 16, 2022 to order at 7:02 PM.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance:

Mr. Rockoff  
Mr. Snyder  
Mr. Boggie  
Dr. Rostock

Staff Members in attendance were Dr. Arrington, Mr. Dean (via GotoWebinar), Mr. Howard, Ms. Fraraccio, Mr. Pugsley, and Ms. Marshall .

Consultants in attendance were Mr. Curtis Shenkman and Mr. Hunter Shenkman from Shenkman Law, P.A., Rebecca Travis, Baxter & Woodman (via GotoWebinar).

B. PREVIOUS MEETING MINUTES

“THAT THE GOVERNING BOARD approve the minutes of the May 19, 2022 Regular Meeting as submitted.”

MOTION: Made by Mr. Rockoff, Seconded by Mr. Boggie,  
Passed Unanimously.

C. ADDITIONS & DELETIONS TO THE AGENDA

3. COMMENTS FROM THE PUBLIC

Mr. Kevin Baker and Ms. Mary Ann Hartmann, both candidates for Area 4 Governing Board seat, introduced themselves.

#### 4. STATUS UPDATES

##### A. LOXAHATCHEE WATERSHED STATUS

Mr. Howard presented on recent violations of the Loxahatchee River minimum flow and level and summarized 2022 dry season conditions and impacts within the watershed.

##### B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

#### 5. CONSENT AGENDA

MOTION: Made by Mr. Rockoff, Seconded by Mr. Boggie,  
Passed unanimously.

“THAT THE GOVERNING BOARD approve the Consent Agenda of June 16, 2022 with items 5B, 5C and 5E pulled from the Consent Agenda.”

The following motions were approved as a result of the Board’s adoption of the Consent Agenda:

##### A. Environmental Monitoring Policy – to approve revisions

“THAT THE GOVERNING BOARD approve the revised Environmental Monitoring Policy with an effective date of June 17, 2022.”

##### D. Fixed Asset Disposal – to approve disposal

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property asset tag numbers 2685 and 2908, and the items from aggregated assets listed in the schedule above in accordance with the District’s Disposal of Surplus Tangible Personal Property Policy.”

#### 6. REGULAR AGENDA

##### A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

##### 5B Sewer Backup Policy – to approve policy

“THAT THE DISTRICT GOVERNING BOARD approve the attached, revised Sewer Backup Policy and direct the Executive Director to implement this policy with an effective date of June 17, 2022.”

MOTION: Made by Mr. Boggie, Seconded by Dr. Rostock,  
Passed unanimously.

5C Retirement Plan Investment Policy – to approve a revision  
No action required

5E Change Orders to Current Contracts – to approve modifications

- Construction Contract: Lift Station Fall Protection Improvements – Change Order 003

“THAT THE DISTRICT GOVERNING BOARD approve Change Order 003 in the amount of \$22,943.12 to the Lift Station Fall Protection Improvements construction contract with Florida Design Drillers, Corp.”

MOTION: Made by Mr. Boggie, Seconded by Mr. Rockoff,  
Passed unanimously.

B. Loxahatchee River/Alternate A1A Sub-aqueous Force Main - Engineering Services Contract

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to enter into the Contract for Professional Engineering Services for the Loxahatchee River Subaqueous Force Main Replacement in the amount of \$229,895.”

MOTION: Made by Dr. Rostock, Seconded by Mr. Rockoff,  
Passed unanimously.

C. Conceptual Site Plan for 20 Acres

Dr. Arrington introduced the draft Conceptual Master Plan for 9278 Indiantown Rd, which had been distributed in the Notebook and was available on our website. A brief Board discussion followed. No formal action taken, but a Board Workshop was scheduled for Tuesday, June 28, 2022 at 10:00 AM in the Governing Board room.

## 7. REPORTS

The following reports stood as written.

A. NEIGHBORHOOD SEWERING

B. LEGAL COUNSEL’S REPORT

C. ENGINEER’S REPORTS

D. BUSCH WILDLIFE SANCTUARY

E. DIRECTOR’S REPORT

## 8. FUTURE BUSINESS

Dr. Arrington reviewed Future Business.

## 9. COMMENTS FROM THE BOARD

Mr. Boggie requested counsel to discuss limitations in communications between Governing Board members and qualified candidates, and Mr. Shenkman provided a brief summary of sunshine law constraints on communication among or between existing Governing Board Members and individuals that have qualified as a candidate for a Governing Board seat.

Dr. Rostock encouraged qualified candidates to read the election campaign laws.

Mr. Rockoff recommended the Governing Board consider recognizing Jim Snyder as Loxahatchee River District's Honorary Historian upon his retirement from the Governing Board.

## 10. ADJOURNMENT

MOTION: Made by Mr. Rockoff, Seconded by Mr. Boggie,  
Passed Unanimously.

“That the Regular Meeting of June 16, 2022 adjourns at 8:23 PM.”

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BOARD CHAIRMAN

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BOARD SECRETARY

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RECORDING SECRETARY

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT  
LRD'S 9278 W INDIANTOWN ROAD WORKSHOP MINUTES  
JUNE 28, 2022

1. CALL TO ORDER

Chairman Snyder called the Workshop Meeting of June 28, 2022 to order at 10:10 AM.

2. ROLL CALL

The following Board Members were in attendance: Mr. Boggie; Mr. Rockoff; Dr. Rostock; and Mr. Snyder.

Staff Members in attendance were Dr. Arrington, Mr. Dean, Mr. Howard, Ms. Fraraccio, Mr. Pugsley, Ms. Marshall, and Ms. O'Neill.

Consultants in attendance were Mr. Shenkman, from Shenkman Law, P.A. (via GotoMeeting) and Mr. Mohler (and 2 other consultants) with KCI, Technologies, Inc.

Representatives from Palm Beach County Parks (Bob Hamilton and Jean Matthews) and Environmental Resources Management (Drew Cunningham) were also in attendance.

Board Member candidates Ms. Mary Ann Hartman and Mr. Clinton Yerkes also were in attendance.

3. Workshop discussion of 9278 Indiantown Road (i.e., 20 acres; PCN 00-42-41-06-000-1030)

A. Review of Conceptual Master Plan

Dr. Arrington introduced the workshop and the associated materials that were handed out and available at the Workshop, and discussed the scheduled expiration of the current River Center lease in March 2027. Representatives from PBC Parks Department confirmed their long term plans are to compliment boat-related facilities at Burt Reynolds Park.

Mr. Dean then discussed the intent of the Workshop, and introduced Mr. Todd Mohler.

Mr. Mohler gave a high-level presentation of the Conceptual Master Plan for 9278 W Indiantown Rd, which had been distributed in the June 2022 Governing Board Notebook. Key elements include site remediation, education facilities, recreational facilities, and environmental enhancements (e.g., bioswales).

In the discussion following, Board Members expressed clear consensus supporting the conceptual plan though there were equally clear concerns about funding the plan. Mr. Rockoff discussed the value of a complete conceptual master plan when seeking funding and showing the comprehensive picture for the property. LRD staff will work with the consultants to finalize the Conceptual Master Plan.

B. Phasing Discussion

General Board and staff discussion included the potential to phase various project elements, and there was clear Board consensus on moving forward with site remediation once the conceptual master plan was completed and site remediation details finalized.

Grant funding was a topic that received substantial attention because grant funding would be a meaningful opportunity to offset capital costs of implementing the conceptual site plan. Bob Hamilton (PBC) stated that PBC Parks has a significant budget allocation in FY2027 for a new environmental education facility at Riverbend Park, and there may



be a way to collaborate so we do not duplicate efforts. This statement was interpreted to mean the PBC funding could potentially be used to construct environmental education facilities on the LRD property if the constructed facility would accomplish objectives of PBC Parks.

C. Property and/or Project Alternatives

Staff discussed the current primary use of the River Center, which is exhibit based and generally open to the public, and the forthcoming facilities at BLM, which will be program based and open to the public for scheduled events. In this context, if the River Center lease expires, the 20 Acres could be the replacement for the River Center with LRD's BLM facilities serving as a satellite environmental education location.

Mr. Boggie expressed clear concern at the anticipated cost of the Conceptual Site Plan and raised the prospect of doing nothing or giving the 20 acres to Palm Beach County.

4. COMMENTS FROM THE BOARD

Dr. Rostock and Mr. Snyder expressed concern at the idea of losing the River Center and not recreating functional exhibit space for access and use by the public.

Mr. Boggie stated his appreciation for the draft conceptual site plan, recognized the beauty of the landscape and facilities that have been conceptualized, and their contribution to our community. Nonetheless, he expressed concerns regarding the proposed work at the District's 20 acres in addition to the ongoing work by the District to renovate the two old Coast Guard houses at the Jupiter Inlet Lighthouse Outstanding Natural Area. Mr. Boggie questioned if the work at the 20 acres would be better suited for a general purpose government, and suggested the District should consider other options on use of the site including leasing or giving the property to Palm Beach County to build recreation and environmental education facilities for public use.

All board members would like to better understand grant opportunities.

No comments from the public were received.

5. ADJOURNMENT

MOTION: Made by Mr. Boggie, Seconded by Mr. Rockoff  
Passed Unanimously.

"To adjourn the workshop meeting of June 28, 2022 at 11:50 AM."

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BOARD CHAIRMAN

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BOARD SECRETARY

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RECORDING SECRETARY



## Loxahatchee River Watershed Status Bacteria Microcosm Studies

As we work to improve our understanding of high fecal indicator bacteria in various parts of the Loxahatchee River watershed, we have been conducting a series of preliminary studies to evaluate enterococci bacteria concentration and persistence under various controlled conditions using outdoor laboratory “microcosms”, or simply, beaker experiments.

By conducting a series of tests in these more controlled environments, we can improve our understanding of role of sediments, salinity, sewage spill, nutrients or bacteria “food”, and other important factors.

At our meeting we will discuss some of the details of this project and summarize some of the interesting findings from this preliminary work.



# LOXAHATCHEE RIVER DISTRICT'S EXECUTIVE DASHBOARD



		Stewardship	Pre-Treatment	Collection & Transmission		Wastewater Treatment			Reclaimed Water	EHS	General Business					River Health		
		# People educated at RC	Grease Interceptor Inspections	Customer Service	Unauthorized Discharge of Sewage	Mean Daily Incoming Flow	Permit exceedance	NANO Blend to Reuse (@ 511)	Delivery of Reclaimed Water	Employee Safety	Cash Available	Revenue (excluding assessment & capital contrib.)	Operating Expenses	Capital Projects		Minimum Flow Compliance	Salinity @ NB seagrass beds	River Water Quality
Units		% of Target	% requiring pump out	# blockages with damage in home	Gallons; # impacting surface waters	million gallons/day	# occurrences	Max Specific Conductance (umhos/cm)	# days demand not met	# of OSHA recordable injuries	\$	% of Budget	% of Budget	% within budget	average # days ahead (behind) schedule	# Days MFL Violation	%	Fecal Coliform Bacteria (cfu/100ml)
Green Level		≥ 90%	≤ 15	Zero	<704; 0	< 7.7	Zero	<1542	<2	Zero	≥ \$9,894,657	≥ 95%	≥ 85% but ≤ 105%	≥80%	≥ (30)	0	min ≥ 20 ‰	≤ 1 site > 200
Yellow		< 90%	≤ 25	1	≤1,500; 0	< 8.8	1	≤1875	≥ 2	-	< \$9,894,657	≥ 90%	≥ 80%	≥60%	< (30)	1	min ≥ 10 ‰	≤ 3 sites >200
Red		<75%	> 25	≥ 2	>1,500; ≥1	≥ 8.8	≥ 2	>1875	≥ 9	≥ 1	< \$5,557,057	< 90%	< 80% or > 105%	< 60%	< (60)	≥ 2	min < 10 ‰	≥ 4 sites > 200
2019 Baseline		100%	9	1	8,022	6.8	0	1,229	1	0.3	\$ 35,137,006	100%	89%	95%		2	22.9	1
2020 Baseline		34%	8	0	3,292	7.2	0	1,183	1	0.3	\$ 35,350,661	100%	90%	91%	-15	7	14.6	2
2021 Baseline		113%	16	0.3	1,130	7.1	0	1,294	2	0.2	\$ 40,651,532	97%	89%	79%	-34	0	24.3	3
2021	June	142%	9	0	8; 0	6.7	0	1,404	16	0	\$ 41,162,307	95%	88%	76%	(17)	0	32.0	3
	July	205%	10	0	266; 0	6.6	0	1,336	0	0	\$ 40,444,121	95%	94%	76%	(27)	0	27.2	2
	Aug	160%	14	1	2,060; 0	6.9	0	1,243	0	0	\$ 42,047,326	95%	89%	76%	(42)	0	16.9	5
	Sept	192%	11	0	357; 0	6.8	0	1,300	1	0	\$ 40,450,479	95%	86%	76%	(61)	0	17.2	6
	Oct	77%	18	0	1,050; 1	7.0	0	1,221	0	0	\$ 40,516,049	94%	100%	79%	(55)	0	19.3	6
	Nov	75%	12	0	565; 0	7.4	0	1,164	0	1	\$ 42,924,083	97%	91%	81%	(49)	0	9.9	3
	Dec	67%	12	0	1,500; 0	7.3	0	1,021	0	0	\$ 42,827,478	106%	98%	78%	(55)	0	18.6	0
	2022 Jan	65%	16	0	25; 0	7.3	0	1,154	0	0	\$ 42,677,604	103%	95%	77%	(42)	0	27.9	4
	Feb	79%	8	0	225; 0	7.3	0	1,383	0	0	\$ 44,675,863	101%	94%	80%	(54)	0	30.2	3
	Mar	91%	12	0	241; 0	7.2	0	1,384	0	0	\$ 44,151,634	100%	93%	80%	(59)	0	24.0	2
	Apr	104%	22	1	217; 0	7.1	0	1,296	0	0	\$ 44,230,248	103%	93%	83%	(62)	0	29.3	4
	May	55%	13	0	13; 0	6.5	0	1,312	1	0	\$ 46,067,857	102%	92%	81%	(39)	16	31.8	2
	June	86%	14	0	17; 0	6.6	0	1,249	1	0	\$ 44,902,557	101%	91%	81%	(36)	0	20.6	4
Consecutive Months at Green		0	2	2	6	157	14	141	12	7	154	8	15	5	0	1	6	0
Metric Owner		O'Neill	Pugsley	Dean	Dean	Pugsley	Pugsley	Pugsley	Dean	Horchar	Fraraccio	Fraraccio	Fraraccio	Dean	Dean	Howard	Howard	Howard

## Metric

Stewardship  
Capital Projects (time)  
River Water Quality

## Explanation

"Regular" visitors have rebounded to pre-pandemic levels, but the number of visitors to the River Center remains lower than expected due primarily to decreased visitation from off-site summer camps.  
Our Capital Program schedule improved slightly in June because we removed the Vacuum Truck Dump Facility project (we have solved this issue with operational improvements and minor repairs to our existing facility). Next month we hope to award the Control Panel Replacement project, which will continue our schedule improvement. See Kris' report for more information.  
High fecal coliform bacteria (>200 cfu/100 ml) were observed at Stations 62 (NW Fork @ Island Way bridge), 65 (NW Fork @ Kitching Creek mouth), 67 (NW Fork @ Trapper Nelson's dock), 72 (SW Fork @ Loxahatchee River Rd bridge), and 100 (NW Fork @ Cypress Creek mouth). See Bud's report for additional details.



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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: Governing Board  
FROM: Administration Staff  
DATE: July 21, 2022  
SUBJECT: Consent Agenda

All items listed below are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board Member or citizen, in which event, the item will be removed and considered under the regular agenda.

This month's consent agenda consists of the following items:

- A. Simplex Low Pressure Pump Stations ITB # 22-11-00121 – Recommendation of Award
- B. Fixed Asset Disposal – to approve disposal
- C. Change Order – to approve change order
  - C1 - 20-007-WWRECGENCONST: Wastewater & Reclaimed Water General Construction Services
  - C2 -18-005-LSGENCONSTR: Lift Station Rehabilitation General Construction Services

Should you have any questions regarding these items, I would be pleased to discuss them further with you.

The following Motion is provided for Board consideration:

**“THAT THE GOVERNING BOARD approve the Consent Agenda of July 21, 2022 as presented.”**

Signed  
D. Albrey Arrington, Ph.D.  
Executive Director

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER



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## MEMORANDUM

TO: D. Albrey Arrington, Ph.D.

FROM: Kris Dean, P.E., Director of Engineering Services

DATE: July 14, 2022

SUBJECT: ITB # 22-11-00121 Simplex LPSS Pumps – Recommendation of Award of Contract

This contract provides 9 low pressure pumping units for the following low pressure sewer projects and 2 spare units:

Jamaica Drive	2 units
5331 Center Street	1 unit
69 <sup>th</sup> Terrace	1 unit
Olympus Drive	3 units
Wooden Bridge	1 unit
Island Way	1 unit
Spare	2 units

Low pressure pumping units were previously standardized to Southeastern Pump. This standardization was based on a standard assembly that minimized variations in the field on over 1,500 low pressure pumping units. Staff noted on the most recent quote that the price for the standardized unit had increased 69% over the last 11 months. Staff made the determination that waiving the standard assembly requirement while maintaining the standard components requirement and proceeding with procurement through competitive bidding was in the District's best interest.

Bids were received on July 5, 2022 as summarized below and in the attached Bid Tabulation.

Winsupply of Vero Beach	\$28,200.04
Wastewater Solutions, LLC	\$68,068.00
Joseph G Pollard Co., dba Pollarwater.com	\$84,626.74

As the apparent low, an evaluation of Winsupply of Vero Beach's bid was performed. During the evaluation they requested their bid be withdrawn due to not meeting qualifications, as such, they were found non-responsive.

**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER

Staff then evaluated Wastewater Solutions, LLC bid. Their bid included a quote and detail sheets for a package grinder station. The package grinder station does not meet District standards and modifies, takes exception and is inconsistent with the bid specifications, as such, they were found non-responsive.

Staff then evaluated Joseph G. Pollard Co., dba Pollardwater.com's bid. They were found to be responsive and responsible, as such, staff recommend the following motion.

**“THAT THE DISTRICT GOVERNING BOARD award ITB 22-11-00121 to Joseph G. Pollard Co., dba Pollardwater.com in the amount of \$84,626.74.”**

# Tabulation Sheet

**Agency Name** Loxahatchee River District



**Bid Number** ITB-ITB #22-11-00121-0-2022/SA

**Bid Name** SIMPLEX LPSS PUMPS

**Bid Due Date** 07/05/2022 14:00:00 Eastern

**Bid Opening** Closed

3 responses found.

✓ online,  offline, ● not submitting,  not received

Company		Responded	Address	Bid Amount	Alt Bid Amount	Declared Attributes	Documents	Sent
Complete								
1 .	Joseph G Pollard Co., Inc. dba Pollardwater.com	07/01/2022 17:23:59 Eastern	709 City Center blvd, Suite A101, Newport News, VA, 23606	\$84626.7400	0.0000		Response Document	✓
2 .	Wastewater Solutions, LLC	07/01/2022 18:36:00 Eastern	102 NE 2ND STREET SUITE 510, Boca Raton, FL, 33432	\$68068.0000	0.0000	Hispanic Owned, Small Business	Response Document	✓
3 .	Winsupply of Vero Beach	07/05/2022 11:28:39 Eastern	9030 17th Place, Vero Beach, FL, 32966	\$28200.0400	0.0000		Response Document	✓





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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

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## MEMORANDUM

To: Governing Board  
From: Kara Fraraccio, Director of Finance and Administration  
Date: July 15, 2022  
Subject: Disposal of Surplus Property

Whenever the District disposes of tangible personal property of a non-consumable nature, Florida Statutes and our Disposal of Surplus Tangible Personal Property Policy require Governing Board approval before any Surplus Tangible Personal Property can be disposed of. The following assets were aggregated with other assets or grouped as part of a project when purchased and we therefore do not have individualized asset information on each item, instead a description of each asset is provided. Consistent with state statute and our policies and procedures, I request your authorization to dispose of the items listed below:

In addition,

<u>Description</u>	<u>Serial Number</u>	<u>Condition</u>	<u>Estimated Value</u>
2 HP Barnes Pump	SGVF2022L/C1462622	Beyond Repair	\$0
2 HP Barnes Pump	SGVF2022L/ZS190494	Beyond Repair	\$0
Barnes Pump	SGVF2022L/BAR-LP499	Beyond Repair	\$0
2 HP Barnes Pump	2GVF2022L/C1503610	Beyond Repair	\$0
Barnes Pump1	SGVF2022L/LP137	Beyond Repair	\$0

The items listed in the schedule above are no longer of use to the District and are considered Surplus. The assets will be disposed of in accordance with the District's Disposal of Surplus Tangible Personal Property Policy.

Items slated for disposal that have no remaining value will be recycled or otherwise disposed of in an environmentally conscious manner.

If you have any questions, please feel free to contact me.

I offer the following motion for your approval:

**"THAT THE GOVERNING BOARD authorize the Executive Director to dispose of the items from aggregated assets listed in the schedule above in accordance with the District's Disposal of Surplus Tangible Personal Property Policy."**

James D. Snyder  
CHAIRMAN

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

Gordon Boggie  
BOARD MEMBER





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## MEMORANDUM

TO: D. Albrey Arrington, Ph.D.

FROM: Kris Dean, P.E., Director of Engineering Services

DATE: July 14, 2022

SUBJECT: ITB # 18-005-LSGENCONSTR: Lift Station Rehabilitation General Construction Services – Reauthorize Contract

This contract, originally awarded for 24 months in February 2019, provides unit prices to perform various aspects of lift station rehabilitations that can be selected a la carte to custom tailor a rehabilitation to a lift station's specific needs.

This contract has streamlined our lift station rehabilitation process by reducing time and effort previously expended bidding specific lift station rehabilitations each year and allowed us to address numerous deficiencies in our system.

In January 2022, the District awarded the 2<sup>nd</sup> of 3 potential extensions to contract ITB # 18-005-LSGENCONSTR with Hinterland Group, Inc. for lift station rehabilitation general construction services in the amount of \$250,000. To date we have proposals being processed for \$249,000 to address 4 lift station rehabilitations. Staff are requesting a re-authorization of \$250,000 to continue use of this contract through January 2023.

Staff recommend the following motion:

**“THAT THE DISTRICT GOVERNING BOARD reauthorize the lift station rehabilitation general construction services contract with Hinterland Group, Inc. in the amount not to exceed \$ 500,000.00.”**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: D. Albrey Arrington, Ph.D.

FROM: Kris Dean, P.E., Director of Engineering Services

DATE: May 12, 2022

SUBJECT: ITB # 20-007-WWRECGENCONST: Wastewater and Reclaimed Water  
General Construction Services – Reauthorize Contract

During the course of operating and maintaining our system we frequently have construction projects whose scope exceeds our abilities to address with the in-house construction crews. To address these projects in a timely and efficient manner we use a general construction services contract which expires in October 2022.

In October 2021, the District awarded the 1<sup>st</sup> of 4 potential extensions to contract ITB # 20-007-WWRECGENCONSTR with Hinterland Group, Inc. for general construction services in the amount of \$250,000. To date this contract has encumbered \$246,852.74 and staff are requesting a re-authorization of an additional \$150,000 to continue use of this contract through October 2022.

Staff recommend the following motion:

**“THAT THE DISTRICT GOVERNING BOARD reauthorize the wastewater and reclaimed water general construction services contract with Hinterland Group, Inc. in the amount not to exceed \$ 400,000.00.”**

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

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## Item 6B

Lift Station Control Panel Replacement and Telemetry Installation –  
will be presented at a later Board meeting

J:\Board\Notebook\ConsentAgenda-Noitems





# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458


TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: GOVERNING BOARD  
FROM: D. ALBREY ARRINGTON, Ph.D.   
DATE: JULY 14, 2022  
SUBJECT: FISCAL YEAR 2022-2023 – BUDGET ASSUMPTIONS

Our budget season is upon us. Over the next three months, we will work through our budgeting process to develop, review, and approve our Fiscal Year 2023 budget, which goes into effect on October 1, 2022. We are proceeding with the following schedule:

- July: Provide and review budget matrix
- August: Provide and review draft budget by each account number
- September: Provide, review, and approve Final Budget.

It should be noted that current financial conditions are tough with **June 2022 CPI-U = 9.1% and PPI = 11.3%**. CPI-U (Consumer Price Index for urban consumers) measures the average change over time in the prices paid by urban consumers for a market basket of consumer goods and services. PPI (Producer Price Index) measures average change over time in the selling prices received by domestic producers for their output).

The draft FY2023 Budget includes a proposed 14.1% increase over FY2022:

FY2023 (\$)	FY2022 (\$)	Change (%)	Budget Category
\$ 18,956,876	\$ 17,017,580	11.4%	Operating Expense
\$ 12,482,695	\$ 10,537,513	18.5%	Capital Improvements
<b>\$ 31,439,571</b>	<b>\$ 27,555,093</b>	<b>14.1%</b>	<b>Grand Total</b>

The draft budget includes a 11.4% increase of operating expenses, an 18.5% increase of capital improvements, and a total budgeted increase of 14.1%. Staff are still working on the budget, and we expect it to have better control over projected budget costs in the next two months. As presented, this draft budget presents a starting point for our expectations for next fiscal year. The proposed draft budget includes sufficient funding to maintain our operations and our systematic investment in improving our assets. On the subsequent pages I provide a general discussion of each budget category as outlined in the budget matrix. The budget matrix is provided on the last page of this memo.

**Revenue** – Total revenue is expected to increase (2.9%) from \$22,948,487 in FY2022 to \$23,617,965 in FY2023. This increase is driven by a projected 3% rate increase. Revenue projections include our recently revised connection fees (as recommended in our consultant-led rate study evaluation) and assume continued slowing of new connections within our service area due to limited land for new construction.

**Salary & Wages** – An increase of \$848,500 (13.0%) is budgeted. This increase is driven by:

1. A very tight labor market: Throughout 2022 it has been a challenge filling open positions and have had to adjust starting salaries upward (but within existing pay grades) to attract competent talent.

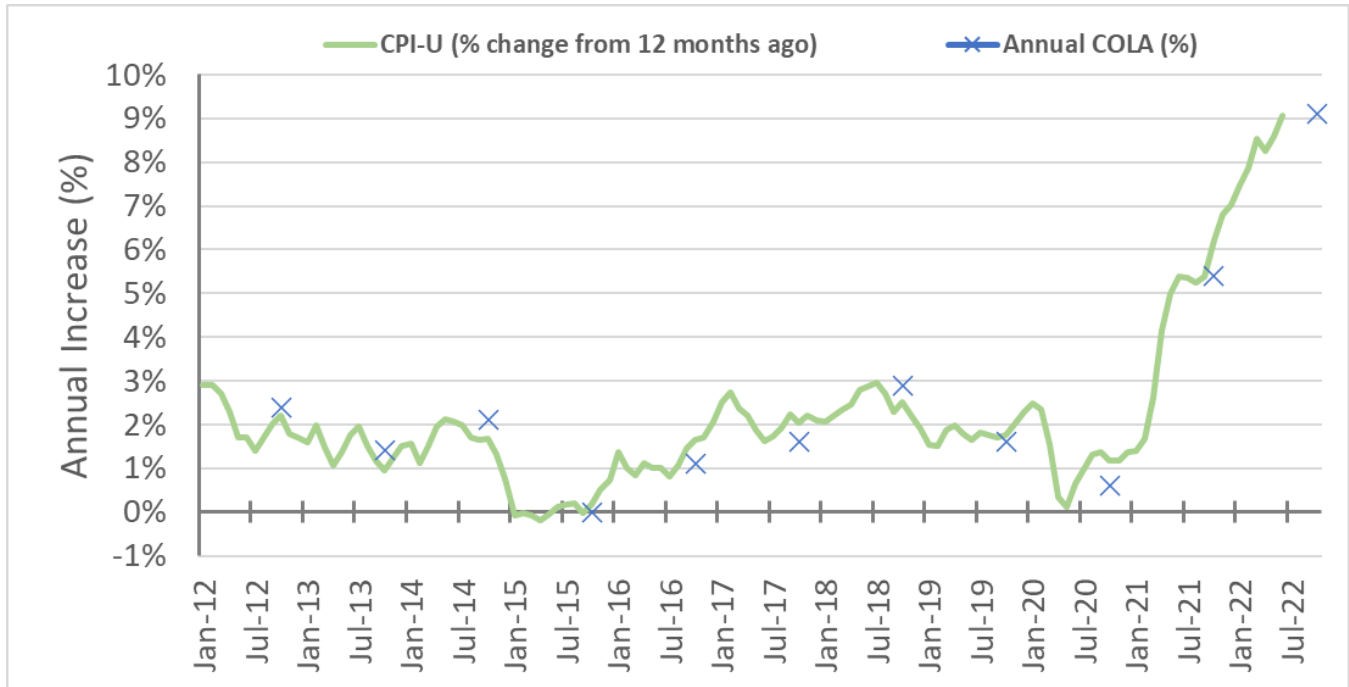
James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

2. Number of Employees: This remains unchanged at 84 full-time positions budgeted.
3. Proposed Cost of Living Adjustment: Traditionally, we have used the June Consumer Price Index (CPI-U, All Items, Not Seasonally Adjusted) as published by the US Bureau of Labor Statistics to adjust employee pay rates effective October 1 to maintain employees' purchasing power relative to the present rate of inflation. This year's June consumer price index (CPI-U) was 9.1%; therefore, I have included a 9.1% cost of living adjustment (COLA) in the budget. The chart below shows ten years of annual increases in CPI-U and our annual COLA increases, which indicates adjusting our employee salaries by the June annual CPI-U has served us well in maintaining the purchasing parity of our employees.



4. Proposed Merit Increase: I have budgeted for a 2.0% merit increase to be disbursed to employees exhibiting meritorious performance during their annual performance review.

**Payroll Tax** – An increase of \$59,100 (12.6%) is budgeted. This increase is driven by the anticipated increase in salaries.

**Retirement** – An increase of \$171,500 (18.1%) is budgeted. This increase is driven by increased payroll as well as staff members fully vesting in our defined contribution retirement plan.

**Employee Health Insurance** – An increase of \$400 (0.0%) is budgeted for health insurance. While we assume we will see a meaningful increase in health insurance premiums this year, the savings we achieved last year (2% less than prior year premiums and 21% less than renewal premiums) were sufficient to offset nearly all anticipated premium increases this year.

**Workers' Compensation Insurance** – An increase of \$6,300 (8.6%) is budgeted based on general market conditions and our success in lowering our Experience Modification Rate (EMR). EMR is a metric used to calculate worker's compensation premiums; it takes into account the number of claims/injuries a company has had in the past and their corresponding costs. Our EMR is 0.72 well below 1.0, the benchmark average, so our worker's compensation premium is lower than average for the type of work we do and the amount of our payroll.

**General Insurance** – An increase of \$48,525 (12.9%) is budgeted for our Property, General Liability, Automobile Liability and Physical Damage, and Fiduciary Liability insurance policies. This increase is based on projected rate increase as well as increased value of insured assets.

**Supplies & Expenses** – An increase of \$132,497 (12.8%) is currently budgeted based on projected needs. This includes diesel and gasoline, which have nearly doubled relative to last year's costs.

**Utilities** – An increase of \$147,208 (10.5%) is budgeted. FPL recently implemented a 15% rate increase that has impacted our utility costs.

**Chemicals** – An increase of \$116,000 (23.1%) is budgeted. While this increase is significantly above inflation, we saw our chlorine costs double in 2022. We have worked diligently to improve the operational efficiencies of our systems in an effort to further reduce chemical demands across our systems.

**Repair & Maintenance** – An increase of \$227,918 (12.3%) is budgeted. The largest repair and maintenance percent increase (42%) is within our IQ Water system as we work to update important elements within the IQ Water distribution system.

**Outside Services** – An increase of \$181,348 (8.9%) is budgeted. This increase is driven predominantly by anticipated cost increases associated with hauling and processing of our biosolids and pass-through costs paid to the Town of Jupiter for Nanofiltration concentrate.

**Contingency** – Our Operating Expense contingency remains unchanged.

**Capital** – Our Capital budget line items and individual items  $\geq$  \$200,000 are presented on the following page.

Budgeting is an important process, and we look forward to receiving your input. I am pleased to present this draft budget to you. Staff have invested significant effort into developing this budget, and we are pleased with our progress to date. I look forward to discussing our budgeting efforts with you and answering any questions you may have.



**Capital** – a summary of the draft capital budget includes a 18.5% increase from FY2022.

<b>Capital Accounts</b>	<b>FY2023</b>	<b>FY2022</b>	<b>Increase</b>
Contingency	\$ 0	\$ 257,013	-100%
Land	\$ 129,500	\$ 252,500	-49%
Buildings	\$ 1,790,800	\$ 500,000	258%
Improvements Other than Buildings (Infrastructure)	\$ 260,000	\$ 460,000	-43%
Machinery and Equipment	\$ 1,120,000	\$ 838,000	34%
Vehicles	\$ 695,000	\$ 830,000	-16%
Construction in Progress	\$ 1,237,000	\$ 900,000	37%
Construction in Progress – Neighborhood Sewering	\$ 275,000	\$ 2,235,000	-88%
Construction in Progress – Lift Stations	\$ 800,000	\$ 1,700,000	-53%
Construction in Progress – Gravity System	\$ 3,250,000	\$ 1,395,000	133%
Construction in Progress – Force Mains	\$ 164,895	\$ 295,000	-44%
Construction in Progress – LPSS	\$ 0	\$ 25,000	-100%
Construction in Progress – Permanent Generators	\$ 365,000	\$ 300,000	22%
Construction in Progress – Telemetry	\$ 2,395,500	\$ 550,000	336%
<b>Total</b>	<b>\$ 12,482,695</b>	<b>\$ 10,537,513</b>	<b>18%</b>

Budgeted capital projects  $\geq$  \$200,000:

<b>Project description</b>	<b>Cost</b>
Adding telemetry to 100% of lift stations without telemetry FY22 \$550k budgeted and \$30k spent; carryover \$520k to FY23	\$ 2,395,500
Gravity system service lateral renewal or replacement (including lining) FY22 \$0 budgeted	\$ 1,750,000
Renovation and rehabilitation of two houses at BLM site FY22 \$500k budgeted and \$17k spent; carryover \$483k to FY23	\$ 1,541,800
Gravity system main line renewal or replacement (including lining) FY22 \$1,395k budgeted and \$875k spent; carryover \$520k to FY23	\$ 1,375,000
*Replace Unit 15 - Vacuum Truck for Excavation and Line Washing (carry over) FY22 \$450k budgeted and \$0 spent; carryover \$450k to FY23	\$ 450,000
Information Technology – Network Replacement FY22 \$0 budgeted	\$ 375,000
*Improving operational flexibility of our IQ System – Interconnect B Structure FY22 \$300k budgeted and \$250k spent; carryover \$50k to FY23	\$ 300,000
Replacement of Lift Station Control Panels FY22 \$750k budgeted and \$0 spent; carryover \$250k to FY23 + rest in FY24	\$ 250,000
Rehabilitation of lift stations (general construction services) FY22 \$250k budgeted and \$41k spent; carryover \$209k to FY23	\$ 250,000
Neighborhood sewerage (Rolling Hills, BLM, Private Roads, Remnant Properties) FY22 \$2.235M budgeted and \$1.995M spent; carryover \$240k	\$ 275,000
*Master Lift Station Traveling Bridge Crane FY22 \$150k budgeted and \$10k spent; carryover \$140k to FY23	\$ 200,000
*Injection Well Pump Station Emergency Generator Connections FY22 \$300k budgeted and \$10k spent; carryover \$290k to FY23	\$ 200,000

*\*Will be removed from FY2023 budget if completed in FY2022.*



					Information Services (IT, Lab, Cust Service)										
Matrix Category	FY	Executive	Finance and Admin	Public Education		Engineering	Construction	General Operations	Collection & Transmission	Treatment & Disposal	IQ Water System	Biosolids	Total	\$ Increase (Decrease)	% Increase Decrease
Salaries & Wages	2022	607,200	521,400	261,100	1,063,500	765,700	392,000	315,300	1,003,500	1,294,300	152,300	145,700	6,522,000		
Salaries & Wages	2023	675,800	544,100	327,800	1,194,400	861,100	481,700	347,500	1,090,900	1,535,200	169,400	142,600	7,370,500	848,500	13.0%
Payroll Taxes	2022	36,300	38,400	19,500	77,600	56,000	28,700	21,000	74,500	95,900	11,300	11,000	470,200		
Payroll Taxes	2023	38,900	39,800	24,600	86,600	63,700	35,200	22,400	81,100	113,900	12,600	10,500	529,300	59,100	12.6%
Retirement Contributions	2022	86,000	75,400	31,600	161,200	107,800	35,900	50,400	145,900	203,600	25,000	24,000	946,800		
Retirement Contributions	2023	108,600	87,700	33,900	178,000	129,000	64,700	56,500	166,100	248,700	27,800	17,300	1,118,300	171,500	18.1%
Employee Health Insurance	2022	119,800	141,800	50,100	256,100	233,900	122,700	63,200	220,200	293,400	40,400	16,800	1,558,400		
Employee Health Insurance	2023	109,100	122,200	49,300	230,300	208,100	145,500	62,000	224,800	329,300	39,700	38,500	1,558,800	400	0.0%
Workers' Comp Insurance	2022	4,700	600	300	8,300	8,300	6,600	3,100	16,100	20,700	2,600	2,400	73,700		
Workers' Comp Insurance	2023	3,700	2,600	300	9,200	8,600	7,600	3,200	16,600	23,300	2,700	2,200	80,000	6,300	8.5%
General Insurance	2022	24,500	-	7,495	3,500	-	-	339,500	-	-	-	-	374,995		
General Insurance	2023	26,950	-	16,450	4,120	-	-	376,000	-	-	-	-	423,520	48,525	12.9%
Supplies & Expenses	2022	105,350	23,040	85,300	110,000	70,150	41,500	126,325	131,000	313,970	19,600	10,050	1,036,285		
Supplies & Expenses	2023	109,400	26,040	98,610	156,037	78,700	48,000	137,425	167,550	306,970	29,000	11,050	1,168,782	132,497	12.8%
Utilities	2022	56,800	-	27,308	65,000	-	-	62,300	317,250	565,750	313,500	-	1,407,908		
Utilities	2023	38,440	2,500	29,400	69,700	9,800	5,800	27,160	443,150	601,088	327,378	700	1,555,116	147,208	10.5%
Chemicals	2022	-	-	-	-	-	-	-	140,000	4,000	175,000	184,000	503,000		
Chemicals	2023	-	-	-	-	-	-	-	160,000	4,000	225,000	230,000	619,000	116,000	23.1%
Repair & Maintenance	2022	59,975	5,000	61,307	82,450	21,000	50,000	100,520	735,000	538,610	120,000	84,500	1,858,362		
Repair & Maintenance	2023	63,325	5,000	65,375	41,200	27,100	40,000	101,270	915,000	571,010	170,000	87,000	2,086,280	227,918	12.3%
Outside Services	2022	329,300	133,330	10,500	305,400	-	-	27,500	40,000	65,050	206,000	923,850	2,040,930		
Outside Services	2023	320,150	116,393	11,735	309,900	-	-	28,100	45,000	71,000	245,000	1,075,000	2,222,278	181,348	8.9%
Contingency	2022	225,000	-	-	-	-	-	-	-	-	-	-	225,000		
Contingency	2023	225,000	-	-	-	-	-	-	-	-	-	-	225,000	-	0.0%

Prior Year Total	2022	1,654,925	938,970	554,510	2,133,050	1,262,850	677,400	1,109,145	2,823,450	3,395,280	1,065,700	1,402,300	17,017,580		
Current Year Total	2023	1,719,365	946,333	657,470	2,279,457	1,386,100	828,500	1,161,555	3,310,200	3,804,468	1,248,578	1,614,850	18,956,876		11.4%

\$ Increase or (Decrease)		-	-	-	-	-	-	-	-	-	-	-	-		
% Increase or Decrease		64,440	7,363	102,960	146,407	123,250	151,100	52,410	486,750	409,188	182,878	212,550	1,939,296		
		3.89%	0.78%	18.57%	6.86%	9.76%	22.31%	4.73%	17.24%	12.05%	17.16%	15.16%	11.40%		



## Neighborhood Sewering Schedule-Revised February 2020

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
11	Jupiter Farms (East)	708		TBD	TBD
11	PB Country Estates	1547		TBD	TBD

\* Rank based upon "2010 Septic System Inventory & Assessment"  
TBD = To be determined

### Remnant Areas

Rank*	Area Description	Lots	Activity	Original Target Date	Revised Target Start Date
H	Olympus Dr, Juno (LP)	2	Notified Owners – June 2013 Prelim. Design started – August 2017 Notice of Intent to Assess – July 2020	2016	2021
	605+607 Military Trl (LP)	2	Notified Owners – June 2020 Notice of Intent – Jan 2021	2022	
	18041 69 <sup>th</sup> Terrace	1	LRD procedures shared for connection to sewer services Statutory Way Provision – Jan 2022	N/A	2022
	5331 Center Street	1	LRD procedures shared for connection to sewer services Notice of Intent – March 2022	N/A	2022
	18150 SE Wooden Bridge Lane	1	LRD procedures shared for connection to sewer services Notice of Intent – May 2022	N/A	2022

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
AA	Peninsular Road	4	Private Road Notice of Intent – February 2010 Partial construction complete - June 2013 Soliciting easements for remainder of project	2010	AEO
BB	Rivers Edge Road (Martin Co.)	35	Notified Owners – August 2010 Private Road-Easements Solicited –May 2014 Notice of Intent – February 2014 Project Delayed	2013	AEO
CC	171 <sup>st</sup> Street (Martin Co.)	7	Private Road - In House Design Owners notified October 2012 Easement rec'd from Church – April 2017 Grant received	2014	AEO
CC	Jamaica Dr	11	Private Road Owners notified Oct 2012 Statutory Way Provision (2) – June 2021	2014	AEO
D	Loggerhead Park <i>(institutional)</i>	6 ECs	Need Easements from County-No database	2014	AEO
DD	Taylor Road	38	Notified Owners – September 2011 Private Roads	2015	AEO
FF	Rolling Hills	50	Notified Owners – Jan. 2013 - Private HOA Notice of Intent to Assess – October 2019 Award of Contract – December 2021	2017	2021
FF	North A1A	3	Postponed-Town activities in area No database	2012	AEO
GG	815 S US 1 (Yum Yum Tree)	9 ecs	Notified Owner – November 2014	2016	AEO
GG	Rockinghorse <i>(north of Roebuck Road)</i>	11	Notified Owners – January 2013	2018	AEO
GG	Castle Rd SE	5	Notified Owners – Jan 2013-private road	2018	AEO
GG	Jupiter Rd SE	4	Notified Owners – Jan 2013-private road	2018	AEO
HH	Harbor Rd. S. LPSS	6	Notified Owners – January 2014-private road	2017	AEO
HH	Indian Hills SE	12	Notified Owners – January 2016 Easement for Road & Utilities, No Dedication	2019	AEO
16	Limestone Creek Road West	49	Notified Owners – January 2013-private road	2018	TBD
19	US Coast Guard Station Offices <i>(institutional)</i> PX Commercial <i>(commercial)</i>	2 ECs 2 ECs	US Government - private roads-No database Contract for installation of sanitary sewers – September 2020	2019	2021
	109+111 Old Jupiter Beach Road	2	Notified Owners – September 2021		

**CURTIS L. SHENKMAN**  
*Board Certified*  
*Real Estate Attorney*  
**HUNTER SHENKMAN**  
*Attorney*

**CURTIS SHENKMAN, P.A.**  
4400 PGA BLVD, SUITE 300  
PALM BEACH GARDENS, FLORIDA 33410  
TELEPHONE (561) 822-3939  
**Curtis@PalmBeachLawyer.Law**

**LEGAL ASSISTANTS**  
**REAL ESTATE**  
JUDY D. MONTEIRO  
DENISE B. PAOLUCCI  
KRISTY SANTORO

July 12, 2022

Loxahatchee River Environmental Control District  
D. Albrey Arrington, Exec. Dir. and Board Members (sent by email to S. Patel)  
2500 Jupiter Park Drive  
Jupiter, FL 33458

**RE:** PENDING LITIGATION STATUS REPORT

Dear Dr. Arrington and Board Members:

We are enclosing herewith a brief status report relating to the litigation in which the Loxahatchee River Environmental Control District is involved with our law firm as the attorney of record, and/or monitoring the attorney of record. This status report updates the last monthly status report previously submitted and consists of a summary of the record proceedings which have occurred in each of the pending cases since last month.

There are no analyses of the pending cases included, as the inclusion of such items might constitute a waiver of any attorney/client privilege that exists between our firm and the District. Therefore, if you would like to discuss the particulars of any specific case in more detail or would like to obtain more information concerning the strategy, status, or settlement posture of any of the individual cases, please feel free to contact me.

As always, we are available at any time to discuss any of these lawsuits with each individual Board Member by telephone or by conference, if there are any questions.

Respectfully submitted,

***CURTIS L. SHENKMAN***

CURTIS L. SHENKMAN

Attachments

## **OTHER LITIGATION**

---

IN THE CIRCUIT COURT OF THE FIFTEENTH JUDICIAL CIRCUIT, IN AND  
FOR PALM BEACH COUNTY, FLORIDA  
CASE NO. 50-2019 CA 014447 XXXX MB AB

FRED BEMAN, Plaintiff, vs.  
LOXAHATCHEE RIVER DISTRICT,  
Defendant.

December 6, 2017. Auto Accident involving District vehicle and vehicle driven by Fred Beman.

April 15, 2020. Summons & Complaint served upon the District.

April 20, 2020. Attorney Lyman Reynolds, appointed be District's Insurance Carrier to Defend the  
District under the District's Insurance Policy.

May 4, 2020. District's Motion to Dismiss filed.

July 8, 2020. District's attorney reports Motion to Dismiss not yet set for a hearing.

August 19, 2020. Agreed Order permitting transfer of the case to Martin County Sept

16, 2020. Amended Complaint filed in Martin County

November 16, 2021, Notice of Lack of Prosecution filed in Palm Beach County.

Dec 2, 2021, Summons served on the District; Attorney Reynolds responded with Motion to Dismiss on  
December 17, 2021.

January 14, 2022. District's Responses to Plaintiff's Request for Production and Interrogatories was filed.

January 31, 2022. District's Motion to Dismiss denied. District's Answer due by February 20, 2022, being  
prepared by Attorney Reynolds.

February 20, 2022, District's Answer Filed.

April 22, 2022, Deposition of Plaintiff

June 21, 2022, Attorney Reynolds indicated projected trial date is December 18, 2023, and provided  
confidential information to claims adjuster.

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Pre-Suit Notice of Claim under FS 768.28 (6)(a)  
Dated August 3, 2020, from Attorney for Plaintiff

Donovan Mackey and Dee Mackey, PlaintiffVs.  
LOXAHATCHEE RIVER DISTRICT, Defendant.

On or about October 2019 sewage back up into 141 Beacon Lane, Jupiter, FL 33469 (Jupiter  
Inlet Colony). Plaintiffs claim personal injury from the sewage back up.

August 3, 2020, District notified District's insurance carrier of the claim.

August 18, 2020, Insurance Adjuster for the District assigned the claim.

As of July 11, 2022, No activity since Adjuster assigned the claim

Plaintiff cannot file suit until claim is denied. 768.28 (6)(b).

Statute of Limitations is running on the claim.

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Pre-Suit Notice of Claim under FS 768.28(6)(a)  
Universal Property & Casualty Insurance Company a/s/o Betty  
Cavanagh & Jules Formel, Plaintiff VS.  
LOXAHATCHEE RIVER DISTRICT, Defendant.

On or about November 18, 2020, sewage back up into 18081 SE Country Club Drive, Apt 4-  
33, Tequesta, FL 33469. The Owners, Betty Cavanagh & Jules Formel made claim to their  
insurance company, University Property & Casualty Company.

On April 29, 2021, 2020, the Insurance Adjuster for University Property  
& Casualty Company notified the District's Insurance Company, PGCS  
Claims Services of the claim.

On July 13, 2021, University Property & Casualty Company (UPCC), as subrogee of Betty  
Cavanagh & Jules Formel, notified the District in accordance with 768.28, the District has 6  
months from receipt of the letter to investigate this claim and provide formal acceptance or

denial. Plaintiffs claim property damage from the sewage back up in the amount of \$26,860. PGCS has been investigating.

On July 12, 2022, PGCS informed the District, that UPCC resubmitted new information as to the claim in the amount of \$28,860.00. PGCS is investigating the claim. Plaintiff cannot file suit until claim is denied. 768.28 (6)(b).

**LIEN FORECLOSURES**

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**NONE**

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**MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS**

**NONE**



***Loxahatchee River Environmental Control District  
Monthly Status Report  
July 1, 2022***

***Submitted To: Kris Dean, P.E, Deputy Executive Director/Director of Engineering***

---

The following is a summary of work performed by Baxter and Woodman, Inc. (B&W), on District projects for the monthly period ending July 1, 2022.

**Irrigation Quality 511 (IQ-511) Pump Station Piping Improvements**

The following items were ongoing or completed during the last monthly period:

- Payment Application No. 4 submitted on June 3, 2022.
- Contractor re-mobilized on June 13, 2022.
- Contractor submitted Appendix C - Shutdown & Bypassing plan on June 16, 2022.
- Shutdown of IQ-511 scheduled for Wednesday June 29 to Thursday June 30.

**Lift Station Fall Protection Improvements**

The following items were ongoing or completed during the last monthly period:

- All work of the original Contract (including the punch list) has been completed.
- The District recently requested safety grates for five more lift stations at the plant. A Change Order has been issued extending the Contract to September 12, 2022 to allow for procurement and installation.

Respectfully Submitted by:

**BAXTER & WOODMAN, INC.**

Rebecca Travis, P.E.  
Executive Vice President / Florida Division Manager



July 8, 2022

Mr. Kris Dean, P.E.  
Deputy Director/Director of Engineering  
Loxahatchee River Environmental Control District  
2500 Jupiter Park Drive  
Jupiter, FL 33458

Subject: Monthly Progress Report

Dear Mr. Dean:

The following activities were conducted in the month of June 2022 for the MLS Bypass Study (no activity occurred during the month of May 2022, other than review of Draft deliverable by District):

1. Addressed District comments on the Draft Model Documentation and Bypass Study Results TM
2. Prepared and held a meeting on June 29, 2022 to review District comments and Carollo responses on the Draft TM
3. Addressed questions that surfaced during the Draft TM review meeting of June 29<sup>th</sup> and added such content to the TM

Next month's activities will include:

1. Submit Final Model Documentation and Bypass Study Results TM
2. Schedule a meeting to discuss further related necessary work

Please let me know if you have any questions.

Sincerely,

CAROLLO ENGINEERS, INC.



Elizabeth Fujikawa, P.E., LEED AP  
Vice President

**Loxahatchee River Environmental Control District  
 CMA Project Status Update  
 July 5, 2022**

CMA Project /Proposal #	Name	Status
PROPOSALS		
None		
PROJECTS		
494.001	BLM House Demolition and Reconstruction	<ul style="list-style-type: none"> <li>• Conceptual Design Memorandum and building layout options approved by Board 10/21/21</li> <li>• Coordination meeting held 11/12/21</li> <li>• 90% design, specifications and cost estimate submitted</li> <li>• LRD plan comments addressed</li> <li>• Proposed roof alternative design submitted to LRD for review (to address comments from SHPO)</li> <li>• Bid documents in progress</li> </ul>
494.002	2500 Jupiter Park Drive Conceptual Site Planning	<ul style="list-style-type: none"> <li>• Conducted kick off meeting 11/12/21</li> <li>• Environmental field work performed, report submitted, comments received from LRD, revised report submitted</li> <li>• Staff and Board survey performed</li> <li>• Existing site base plan prepared</li> <li>• Review of adjacent stormwater permits performed</li> <li>• Site concept plans prepared</li> <li>• Site visits and meeting with LRD was conducted to review survey results and concept plans</li> <li>• Presented survey results and concept plans to Board</li> <li>• Submitted data request to LRD for massing study</li> <li>• Reviewed WWTF capacity expansion goals with LRD. Review of space requirements for future capacity is underway.</li> </ul>



**HOLTZ CONSULTING ENGINEERS, INC.**  
270 South Central Boulevard, Suite 207, Jupiter, FL 33458 (561) 575 2005

**MEMORANDUM**

**To:** Kris Dean, PE, Deputy Director/Director of Engineering, Loxahatchee River Environmental Control District  
**From:** Christine Miranda, PE, Holtz Consulting Engineers, Inc.  
**Date:** July 14, 2022  
**Subject:** **Loxahatchee River Environmental Control District Monthly Status Report**

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The following is a summary of work performed by Holtz Consulting Engineers, Inc. (HCE) on Loxahatchee River District projects through July 14, 2022. **Note: Any information that is historical or repeated from previous months are shown in italics. Otherwise, all information as shown below is newly reported information.**

**Lift Station No. 082 Improvements**

- The Contractor has stated that they have finally received written approval from the shopping plaza owner and have forwarded it to the Town of Jupiter. The Town has requested additional information from the shopping plaza owner and HOA representative of the adjacent community. The Contractor has obtained the additional information from the shopping plaza but is still working on obtaining the additional HOA information and approval. The first payment application has been submitted by the Contractor for stored materials which HCE is currently reviewing

**Schedule Update:** Change Order #2 for the project, issued on January 13, 2022 extended the contract completion date to August 16, 2022. As work has not yet commenced on the project, this schedule will not be met. The amount of delay caused by obtaining the approval of the shopping plaza owner and the Town of Jupiter will have to be reviewed by HCE. HCE has requested an updated schedule to be submitted by the Contractor for review and approval. The approved schedule will be used as the basis for the requested time extension to be submitted via change order request for the District consideration.

**Country Club Drive Force Main Transmission System Preliminary Evaluation**

- The draft technical memorandum was submitted to the District on June 10, 2022 for review and comment. Upon receipt of the comments from the District, the memorandum will be finalized and transmitted to the District.

**Schedule Update:** Per the work authorization agreement, upon receipt of comments from the District on the draft memorandum, the final memorandum will be prepared and submitted within two weeks.



### **Lift Station Telemetry Improvements**

- The award of the project has been made to Revere Control Systems, Inc and the construction contracts have been executed. The preconstruction meeting is currently being scheduled for the first week of August.

**Schedule Update:** This construction contract has a duration of 660 days. At the preconstruction meeting a Notice to Proceed date will be determined and the schedule will be updated in the forthcoming engineering reports.

### **Rolling Hills Gravity Sewer System, Lift Station, & Force Main**

- Construction work is ongoing for the project. Current work has included manhole rehabilitation, point repairs of the gravity sewer system, installation of new service laterals, lift station work, and removal of the existing oak tree by the lift station. HCE has processed two payment applications to date for the project. HCE is currently reviewing and processing a change order for proposed inside drops at three manhole locations due to existing outside drops found when excavating.

**Schedule Update:** The current contract substantial completion date is August 13, 2022 and final completion date is October 17, 2022. Construction progress is steady and moving forward. The Contractor has provided documentation that the lead time for the control panel for the lift station has been extended by the supplier and is not anticipated to be delivered until sometime in October. The Contractor has requested a time extension showing completion by the end of the year. This is currently being reviewed and will be submitted via change order request to the District for consideration.

### **Jupiter Inlet Lighthouse Septic to Sewer Conversion**

- The Contractor has had materials delivered on site and commenced construction. HCE has coordinated construction commencement with both archaeologists who will be performing cultural resources monitoring during the construction duration. The work on Town of Jupiter property is currently on-hold until a Town permit is issued. All requested documentation has been provided to the Town. An on-site meeting was held on June 27, 2022 with the District, HCE, Contractor and BLM to review outstanding issues on the project. HCE is currently working with the Contractor on a no-cost change order proposal for adding a duplex commercial grinder station for a new proposed restroom facility and eliminating a section of the gravity system and installing specific sections of the water main system via horizontal directional drill in lieu of open cut in order to protect existing vegetation and landscaping. One payment requisition has been processed to date.

**Schedule Update:** The current substantial contract completion date is September 9, 2022 and final contract completion date is December 5, 2022. The most recent schedule provided by the Contractor on July 12, 2022 stills showing them completing all work by the end of September.



HCE will continue to monitor the Contractor's progress and address any approved time extension requests via change order.

#### **Deep Injection Well Replacement Cost Study**

- The technical memorandum will be submitted to the District no later than July 22, 2022. Upon receipt of comments from the District the memorandum will be finalized and transmitted to the District.

**Schedule Update:** Per the work authorization agreement, upon receipt of comments from the District on the draft memorandum, the final memorandum will be prepared and submitted within three weeks.

#### **Injection Well Pump Manual Transfer Switch Addition**

- *The Contractor has stated they are waiting for equipment deliveries. Upon receipt of materials and equipment they will notify the team and provide a schedule for mobilization and construction activities.*

**Schedule Update:** The current substantial contract completion date is August 13, 2022 and final contract completion date is October 17, 2022. Due to the delay in procurement of materials the contractor will be submitting a request for a time extension once delivery dates are confirmed. The request will be forwarded via change order request for the District's consideration.

#### **Master Lift Station No. 1 Traveling Bridge Crane Solicitation**

- An on-site coordination meeting was held with the District, HCE, Contractor, and crane contractor on July 11, 2022. The Contractor mobilized onto the project site on July 14, 2022 and a safety coordination meeting was conducted. Crane construction is anticipated to commence on July 15, 2022.

**Schedule Update:** The current substantial contract completion date is July 21, 2022 and final contract completion date is September 24, 2022. The most recent schedule provided by the Contractor shows all work being completed by July 31, 2022.

#### **Emergency Response ESRI Collection Tool & Synovia Vehicle Tracking Assistance**

- No new activities have occurred for this work.



ISO 9001:2015 CERTIFIED

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

1425 W Cypress Creek Road, Suite 101 • Fort Lauderdale, FL 33309 • Phone 954-776-1616

**Loxahatchee River Environmental Control District  
Master Plan 20-AC “Sierra Square” @ 9278 Indiantown Rd  
LRECD PO# 21-0649 / KCI #482021095.01**

**Progress Report**

**To:** Mr. Kris Dean, P.E., Deputy Executive Director/Director of Engineering  
**From:** Todd Mohler, RLA, KCI, Project Manager  
**Date:** July 10, 2022

**ACTIVITIES**

KCI Technologies progress report updates for the current billing period are:

**Activities and Support:**

1. **Survey:** Complete.
2. **Environmental:** Complete.
3. **Geotechnical:** Complete.
4. **Electrical Engineering:** 90% Complete.
5. **Civil Engineering:** Finalized grading analysis and budget estimate. Presented at workshop for Board of Directors on 6/28/22.
6. **Landscape Architecture:** Finalized budget estimate and revised Site Plan per previous comments. Presented at workshop for Board of Directors on 6/28/22.
7. **Architecture:** 90% Complete.



# MOCK • ROOS

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## CONSULTING ENGINEERS

July 11, 2022

Mr. Kris Dean, P.E.  
Deputy Executive Director/Director of Engineering  
Loxahatchee River Environmental Control District  
2500 Jupiter Park Drive  
Jupiter, FL 33458

Ref. No. C0089.40  
Subject: Loxahatchee River Subaqueous Forcemain Replacement  
PO No. 22-0911

Dear Mr. Dean:

Below is our Monthly Update for June 2022:

- PO No. 22-0911 issued on June 17, 2022.
- Kick-off Meeting (Virtual) was conducted with District staff on July 7, 2022.
- The Project Schedule is as follows:
  - 60% Submittal October 15, 2022
  - Permit Submittals November 14, 2022
  - 95% Submittal December 29, 2022
  - 100% Submittal January 28, 2023

Upcoming Activities – July 2022:

- Initiate Topographic Field Survey.
- Initiate Basemap preparation.
- Initiate Construction Drawings.

If you have any questions, please contact me at 683-3113, extension 293.

Sincerely,  
MOCK, ROOS & ASSOCIATES, INC.

Garry G. Gruber, P.E.  
Senior Vice President

GGG:cge  
Copies: John Cairnes  
Spencer Schroeder





# **Busch Wildlife Sanctuary** **At Loxahatchee River District** **Quarterly Dashboard -2nd Quarter 2022**



	Education				Animal Care			Financial Operations			Gift Shop	Volunteers	Safety
	General Public Visitors	Visitors Attending Public Programs	In-reach / Out-reach Program Attendance	Education Net Income	Injured Animals Received / Treated	Animals Released	Average Donation per Animal Admitted	General Donation Income	Grants/Major Donor Income	BWS Net Income	Net Income	Hours Logged	OSHA Recorded Incidents
Benchmark	# of People	# of People	# of People		#	%						#	#
Green	> 25,000	> 3500	> 5500	> \$20,000	< 500	≥30%	≥ \$15.00/Animal	> \$25,000	> \$100,000	≥ \$100,000	> \$10,000	> 2000	0
Yellow	≥ 20,000	≥ 2500	≥ 4000	≥ \$10,000	≥ 500	≥25%	< \$15.00/Animal	≥ \$15,000	≥ \$50,000	> \$0.00	≥ \$5,000	≥ 1500	1
Red	< 20,000	< 2500	< 4000	< \$10,000	>1000	<25%	< \$10.00/Animal	< \$15,000	< \$50,000	≤ \$0.00	< \$5,000	< 1500	>2
2021 Qtr Results													
1st Qtr													
2nd Qtr													
3rd Qtr													
4th Qtr													
2022 Qtr Results													
1st Qtr													
2nd Qtr													
3rd Qtr													
4th Qtr													

## **2nd Quarter Onsite Items:**

Projects Completed: Landscape clean up & re-mulching throughout Sanctuary

Projects In Progress: Remulching Pineland Nature Trail, started to restore property and remove unused enclosures

Future Projects: None scheduled at this time

## **2nd Quarter Appearances, Notables, Trainings:**

**Trainings:** All Staff Trainings on Extreme Temperatures - Heat, Emergency Preparation & Cell Phone Safety

**Onsite Educational Activities:** In addition to daily programming we provided 64 Tours, 5 VIP Tours, 22 B-day parties, and 29 Junior Naturalist & Mini Jrs Sessions

**Offsite Educational Activities:** 31 presentations, 3 Exhibits

**Other Community Events/Notables:** Awarded Non Profit of the Year by North Palm Beach Chamber participated in a Kids Club event at the Gardens Mall, Jupiter Farms Craft Fair, and Wheels Across the Pond, held a Volunteer Appreciation Luncheon, recent press included article in Florida Weekly about expansion and move, Executive Director made a guest appearances on Palm Beach perspective on multiple iHeart stations and real Radio 92.1 midday show

**Licensing & Permits:** BWS has been euthanizing all birds suspicious of avian flu and many raccoons due to a distemper outbreak in South Florida.

**Rocky Pines Facilities Build Update:** On schedule





# Director's Report

- |                               |            |
|-------------------------------|------------|
| ➤ Admin. & Fiscal Report      | attach. #1 |
| ➤ Engineering Report          | attach. #2 |
| ➤ Operations Report           | attach. #3 |
| ➤ Information Services Report | attach. #4 |
| ➤ Environmental Education     | attach. #5 |
| ➤ Safety Report               | attach. #6 |
| ➤ Other Matters (as needed)   | attach. #7 |



J:\Board\Notebook\Directors Report



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

To: Governing Board  
From: Kara Fraraccio, Director of Finance and Administration  
Date: July 15, 2022  
Subject: Monthly Financial Report

### Cash and Investments

Balance as of June 30, 2022  
Certificates of Deposit:

Institution	Original Term	Maturity	Rate	Book Value	Monthly Interest Earned	Market Value
US Century	12 Months	08/04/22	0.25%	\$ 2,500,000	\$ 515	\$ 2,505,656
US Century	12 Months	08/04/22	0.25%	2,500,000	515	2,505,656
Bank United	6 Months	09/12/22	0.10%	1,573,802	129	1,574,277
Bank United	12 Months	11/12/22	0.13%	1,054,256	113	1,055,124
Bank United	9 Months	11/22/22	0.40%	1,001,500	329	1,002,902
Bank United	12 Months	02/22/23	0.60%	1,001,500	493	1,003,602
Bank United	12 Months	02/22/23	0.60%	1,001,500	493	1,003,602
<b>Subtotal</b>				<b>\$ 10,632,558</b>	<b>\$ 2,587</b>	<b>\$ 10,650,819</b>

#### Investment Accounts:

Synovus - Public Demand	0.06%	\$ 364	\$ 7,374,561
TD Bank - NOW	0.50%	3,397	8,269,158
Florida Prime - SBA	1.25%	1,985	2,001,986
<b>Subtotal</b>		<b>\$ 5,746</b>	<b>\$ 17,645,705</b>

#### Checking Account:

SunTrust-Hybrid Business Account	0.02%	\$ 233	\$ 14,698,407
<b>Subtotal</b>		<b>\$ 233</b>	<b>\$ 14,698,407</b>

#### Brokerage Accounts:

		Gain/Loss	
Vanguard GNMA ADM	-9.75%	\$ 541,327	(48,085) \$ 493,242
Vanguard Short-Term Treasury	-4.13%	1,206,858	(47,822) 1,159,036
Vanguard Short-Term Inflation	-5.21%	205,574	(10,181) 195,393
Charles Schwab Bank Sweep			59,955
<b>Subtotal</b>		<b>\$ 1,953,759</b>	<b>\$ (106,088) \$ 1,907,626</b>

<b>Total</b>		<b>\$ (97,522)</b>	<b>\$ 44,902,557</b>
--------------	--	--------------------	----------------------

Average weighted rate of return on investments is: 0%

As of 6/30/22:

3 month Short Term Bond: .1.66%

1 month Federal Fund Rate: 1.75%

District brokerage accounts have underperformed due to abnormal market conditions and uncertainties with the Federal Reserve. However, the District is optimistic that losses will be recovered and that we have an optimized portfolio based on risk and cash flow needs.

Cash position for June 2021 was \$41,162,307. Current Cash position is up by \$3,740,250.

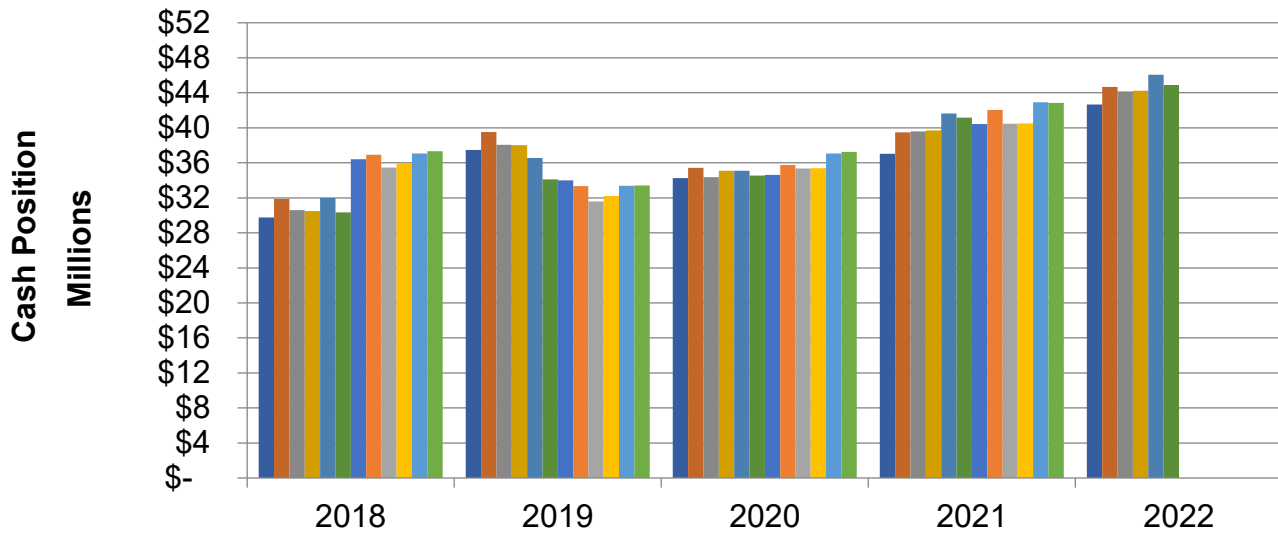
James D. Snyder  
CHAIRMAN

Stephen B. Rockoff  
BOARD MEMBER

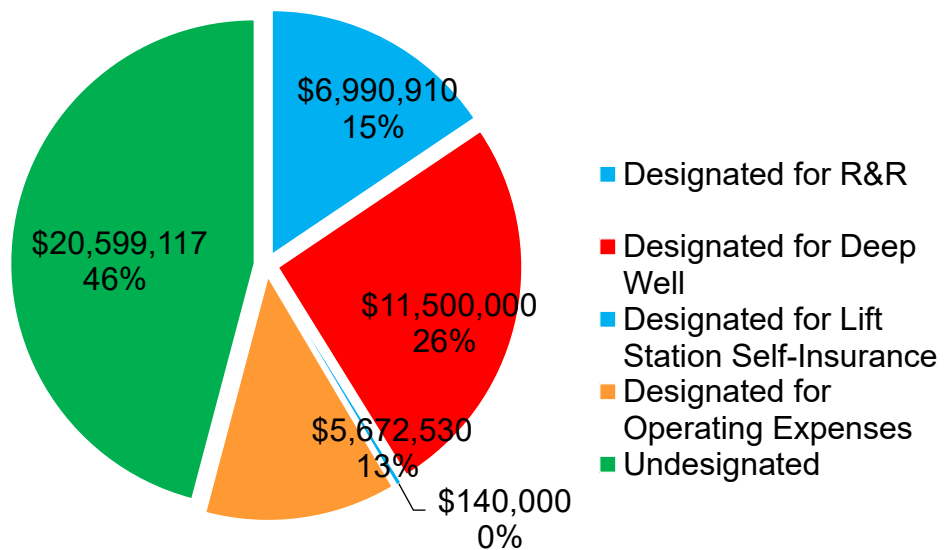
Dr. Matt H. Rostock  
BOARD MEMBER

Gordon Boggie  
BOARD MEMBER

### Cash On-Hand



### Designated vs. Available Cash Balance



### Financial Information

- Legal Fees billed in June were \$(1,510). The fiscal year-to-date total is \$49,565.
- There was no Septage billing for the month of June.
- Developer's Agreement – There were no new Developer Agreements in June.
- I.Q. Water Agreements –Abacoa Plaza and Sophia are past due for the month of May and June; Jupiter Town Park and Town Center Ph I are past due for June.
- Estoppel fees collected in June totaled \$7,615. The fiscal year-to-date total is \$68,990.

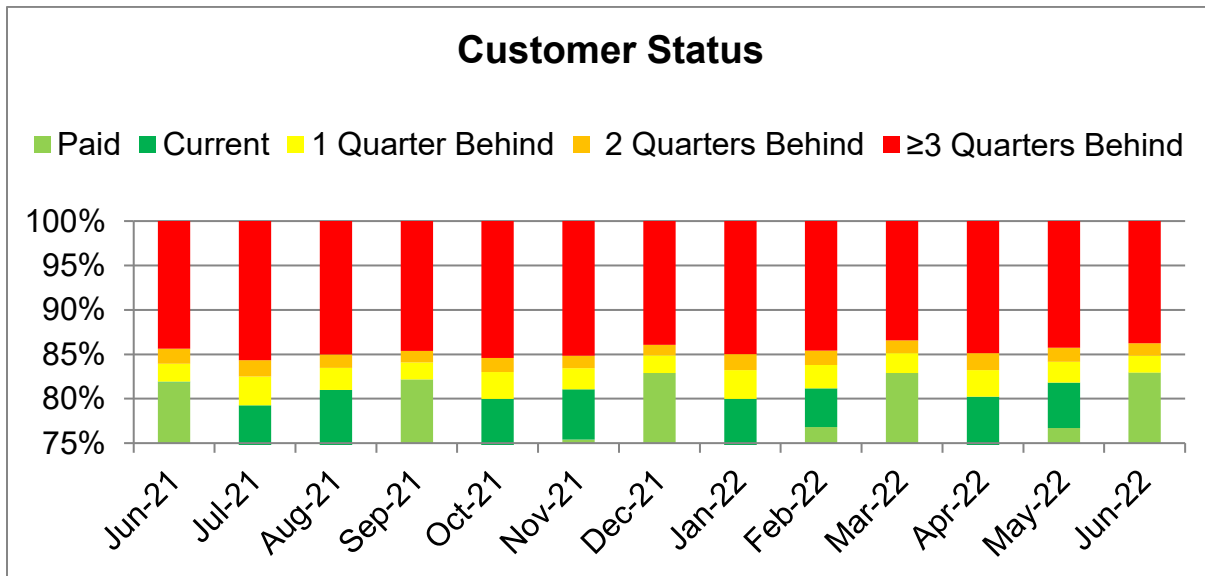
## Summary of Budget vs. Actual

<i>Budget Benchmark</i> 75%	<b>Jun-22 Actual</b>	<b>YTD Actual</b>	<b>FY 22 Budget</b>	<b>Favorable (Unfavorable)</b>	<b>Budget Expended</b>	<b>Jun-21 YTD</b>
<b>Revenues</b>						
<b>Operating Revenues</b>						
Regional Sewer Service	\$ 1,452,358	\$12,835,737	\$17,100,000	\$ (4,264,263)	75.06%	\$12,746,624
Standby Sewer Service	9,384	86,718	73,000	13,718	118.79%	69,531
IQ Water Charges	194,562	1,727,208	2,326,000	(598,792)	74.26%	1,794,057
Admin. and Engineering Fees	1,599	26,803	38,000	(11,197)	70.53%	84,286
Other Revenue	26,373	361,719	424,490	(62,771)	85.21%	269,009
<b>Subtotal Operating Revenues</b>	<b>1,684,276</b>	<b>15,038,185</b>	<b>19,961,490</b>	<b>(4,923,305)</b>	<b>75.34%</b>	<b>14,963,507</b>
<b>Capital Revenues</b>						
Assessments	\$ 6,896	\$ 1,251,325	1,188,997	62,328	105.24%	1,079,174
Line Charges	11,046	135,317	287,000	(151,683)	47.15%	317,673
Plant Charges	37,747	461,462	898,000	(436,538)	51.39%	537,312
Capital Contributions		637	800,000	(799,363)	0.08%	163,877
<b>Subtotal Capital Revenues</b>	<b>55,689</b>	<b>1,848,741</b>	<b>3,173,997</b>	<b>(1,325,256)</b>	<b>58.25%</b>	<b>2,098,036</b>
<b>Other Revenues</b>						
Grants		351,500		351,500		
Interest Income	(7,023)	547,919	613,000	(65,081)	89.38%	934,897
<b>Subtotal Other Revenues</b>	<b>(7,023)</b>	<b>899,419</b>	<b>613,000</b>	<b>286,419</b>	<b>146.72%</b>	<b>934,897</b>
<b>Total Revenues</b>	<b>\$ 1,732,942</b>	<b>\$17,786,345</b>	<b>\$ 23,748,487</b>	<b>\$ (5,962,142)</b>	<b>74.89%</b>	<b>\$ 17,996,440</b>
<b>Expenses</b>						
Salaries and Wages	\$ 477,339	\$ 4,292,719	\$6,522,000	\$ 2,229,281	65.82%	\$3,757,462
Payroll Taxes	34,964	309,316	470,200	160,884	65.78%	281,754
Retirement Contributions	64,224	599,637	946,800	347,163	63.33%	572,145
Employee Health Insurance	119,749	1,061,203	1,558,400	497,197	68.10%	906,460
Workers Compensation Insurance		49,856	73,700	23,844	67.65%	88,173
General Insurance	5,412	389,575	374,995	(14,580)	103.89%	360,233
Supplies and Expenses	72,551	772,241	1,036,285	264,044	74.52%	698,237
Utilities	111,887	1,115,163	1,407,908	292,745	79.21%	905,466
Chemicals	58,026	305,181	503,000	197,819	60.67%	287,144
Repairs and Maintenance	119,713	1,338,898	1,858,362	519,464	72.05%	1,350,462
Outside Services	213,834	1,439,807	2,040,930	601,123	70.55%	1,199,157
Contingency			225,000	225,000	0.00%	
<b>Subtotal Operating Expenses</b>	<b>1,277,699</b>	<b>11,673,596</b>	<b>17,017,580</b>	<b>5,343,984</b>	<b>68.60%</b>	<b>10,406,693</b>
<b>Capital</b>						
Capital Improvements	\$ 548,176	\$ 2,424,652	10,537,513	8,112,861	23.01%	5,302,287
<b>Subtotal Capital</b>	<b>548,176</b>	<b>2,424,652</b>	<b>10,537,513</b>	<b>8,112,861</b>	<b>23.01%</b>	<b>5,302,287</b>
<b>Total Expenses</b>	<b>\$ 1,825,875</b>	<b>\$14,098,248</b>	<b>\$ 27,555,093</b>	<b>\$ 13,456,845</b>	<b>51.16%</b>	<b>\$ 15,708,980</b>
<b>Excess Revenues</b>						
<b>Over (Under) Expenses</b>	<b>\$ (92,933)</b>	<b>\$ 3,688,097</b>	<b>\$ (3,806,606)</b>	<b>\$ 7,494,703</b>		<b>\$ 2,287,460</b>

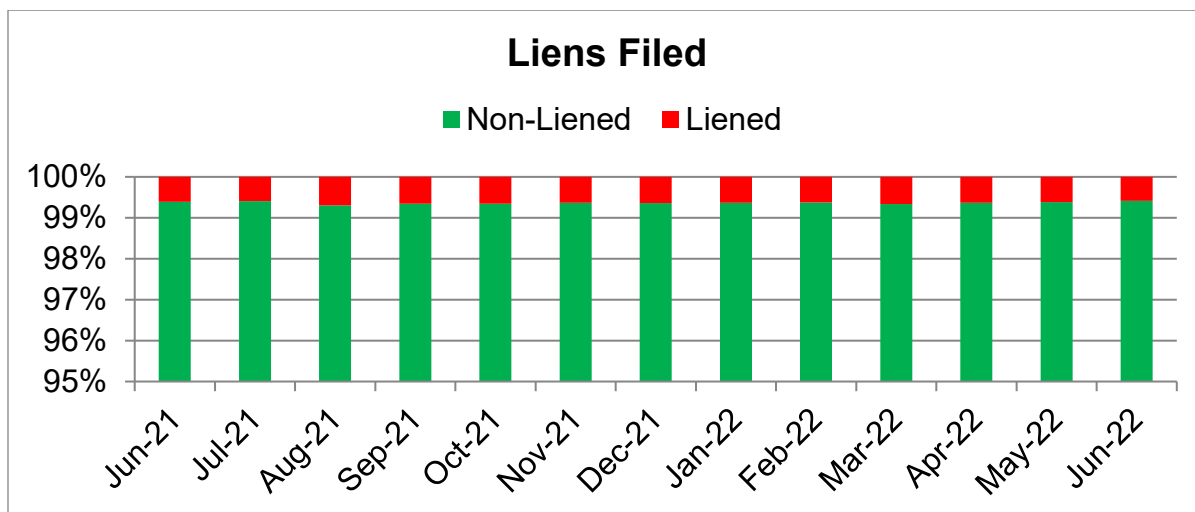
Total Capital expenses incurred and encumbered totalled \$13,528,401 or 110% of the capital budget. This includes funds encumbered in a prior fiscal year for projects that stretch across multiple fiscal years.

## Accounts Receivable

The chart below illustrates customers' receivable status as a percentage of quarterly sewer billing. Paid or current balances represent approximately 84% billing.



The District serves approximately 33,160 customers. Currently, the District has 188 liens filed which represent approximately 1% of our customers.



## Pending/Threatened Litigation

- Vehicle Accident – The District received a legal summons related to a vehicle accident involving a District vehicle. This claim is currently being handled through the District's General Liability Insurance provider, PRIA. PRIA has assigned the firm of Roberts, Reynolds, Bedard & Tuzzio, PLLC to represent the District.
- Beacon Lane – The District received a formal notice that a negligence claim is being made on behalf of a resident on Beacon Lane from injuries sustained as a result of septic and sewage over-flow at the property. We notified the District's legal counsel, the project engineers, the contractor, and the District's General Liability Insurance provider, PRIA.



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director

FROM: Kris Dean, P.E., Deputy Executive Director/Director of Engineering Services

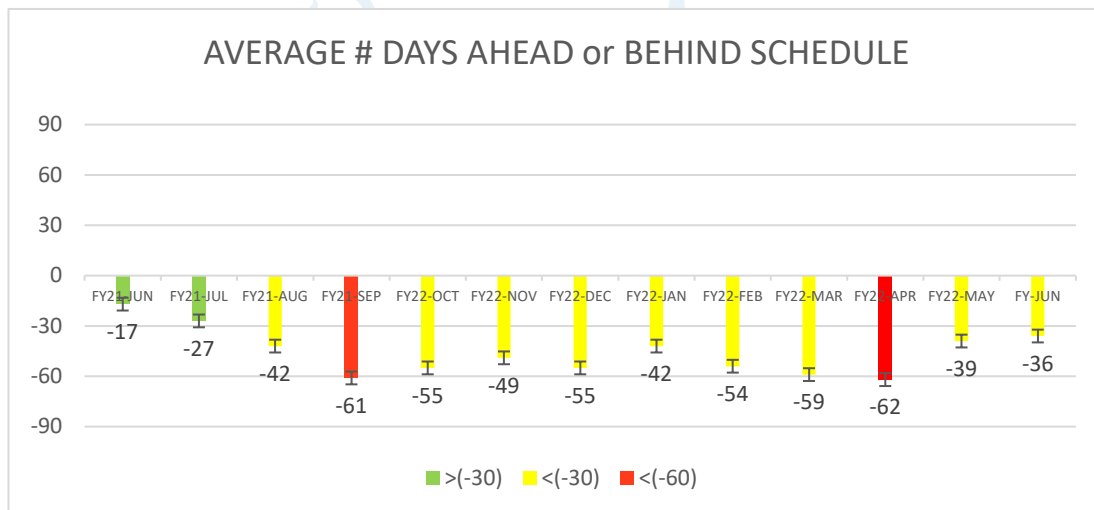
DATE: July 13, 2022

SUBJECT: Capital Program and Engineering Services Report

### Capital Projects

#### *Capital Schedule (FLOAT = -36 Days)*

The overall Capital Program schedule improved slightly through June. Mainly due to removal of the Vacuum Truck Dump Facility project from the Capital Program (see Collections section for details). Continued improvement should result through August with award of the Control Panel Replacement project.



**James D. Snyder**  
CHAIRMAN

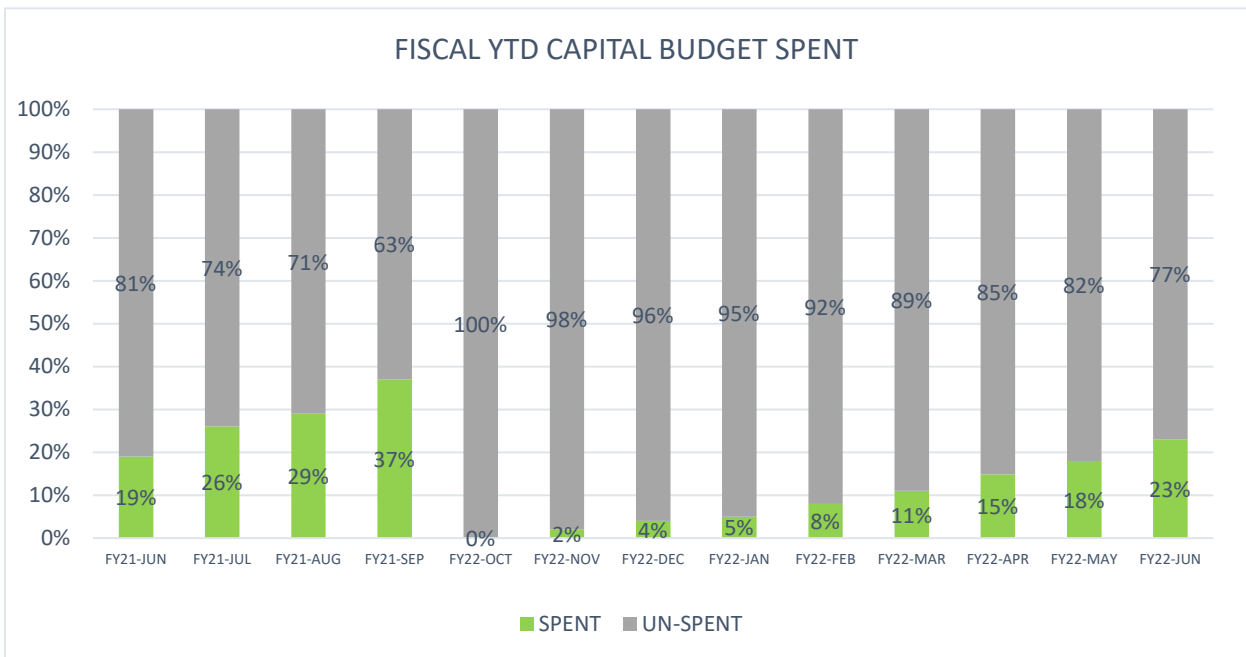
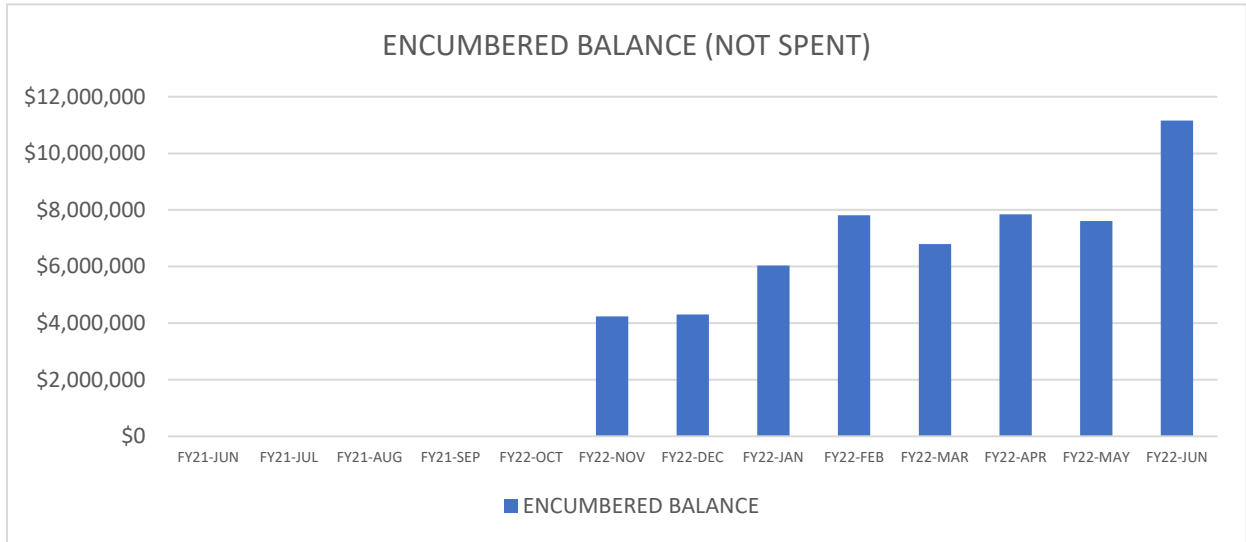
**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER

## Capital Budget

Encumbered Balance saw a large increase over June with award of the Lift Station Telemetry project. Spending over June was consistent with previous months, although, staff anticipate an increase in spending July – September with contractors mobilized on 4 significant projects; FY22 Main Lining, JILONA Septic to Sewer, Rolling Hills Gravity Sewer, and IQ511 Piping Improvements.





## **PROJECT HIGHLIGHT**

### **Vacuum Truck Dump Facility**

The existing vacuum truck dump facility is located southeast of the plant adjacent to the construction barn. The facility consists of an upper level with concrete pads for a dumpster and construction debris (shown to the right and middle). These pads are sloped into a containment area that uses rock to filter FOG (fats, oil and grease) and debris from the vacuum truck waste (shown bottom right). The containment area has an underdrain (shown bottom left) which discharges to a trap designed to separate any FOG and debris that passes through the rock filter. The trap discharges to a lift station that pumps the filtered and separated vacuum truck waste to headworks to be treated in the plant.

Operation and maintenance of the facility has been an issue since my tenure here resulting in numerous complaints, changes in operating protocols, use of various materials and disagreements between operation, maintenance, construction and collection staff.





In 2020 staff began researching options to replace the existing vacuum truck dump pit. The consultant evaluated replacement of the existing facility with a similar but larger facility, a manual bar screen, a mechanical bar screen and an automated facility. Total cost for the options ranged from \$200K to \$2.6M. Based on the available options presented by the consultant staff were not confident a larger facility, a manual bar screen or a mechanical bar screen would improve operation and maintenance of the facility. Neither did staff see a \$2.6M investment for a fully automated facility being justified by the operational issues and volume of vacuum truck waste processed.

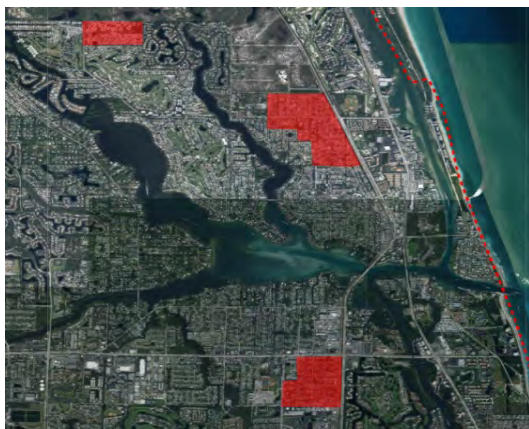
Understanding the available options, their limitations and subsequent pricing staff began working to redefine the operation and maintenance program at the existing facility.

In doing so Collections and Operations worked together to create a detailed Standard Operating Protocol (SOP) to address everyone's concerns with the operation of the existing facility. The new SOP clearly defined operation and maintenance responsibilities as well as detailed requirements for lift station operation and triggers for cleaning the containment area, trap and wetwell. Staff were trained on the new SOP and reports to date indicate that all staff are satisfied with the facility operation.

In addition to the new SOP, Operations staff piloted a project that installed aeration in the facility's wetwell. The aeration provided oxygen to boost biological processes in the wetwell, reducing the formation of odors (hydrogen sulfide gas) and also provided aggressive mixing of the wetwell contents preventing the accumulation of FOG and rags. This ultimately results in a significant decrease in maintenance requirements at the station and costs associated with collection and disposal of the FOG and rags.

Based on staff's efforts detailed above to improve operation of the facility, provide process improvements, and perform minor repairs it was determined that a new facility was not needed and resulted in a savings to the capital budget of \$650,000.

## **In-house Projects**



*Gravity System Rehabilitation – Cleaning, TV Inspection and Lining:* The contractor has mobilized and is working through LS018 collection system with an overall project schedule showing completion through LS041 collection system this fiscal year and LS054 collection system by December 2022.

*Lift Station Rehabilitations General Construction Services:* Site visits and design have commenced based on the prioritized inspection reports. Engineering is working on design and project set up in EAM to ensure the work moves into construction.

Work is complete at LS059. LS112, LS266 and LS089 are in scheduling. LS064 and LS233 are in design. The new work flow continues to work well with defined coordination between Collections, Inspections, Engineering and Construction.

*Neighborhood Sewering/Remnant Properties:*

*5331 Center St.:* Staff are in design and permitting for 5331 Center Street. This project includes a single service to be installed in easements coordinated by the property owner. Staff anticipate completion by the end of May.

*18041 and 18049 69<sup>th</sup> Terrace:* The property owner at 18041 69<sup>th</sup> Terrace provided easements and requested staff install sewers to a proposed two-unit residential project. Staff are in design and permitting. This project includes a double service to be installed in easements. Staff anticipate completion by the end of June.

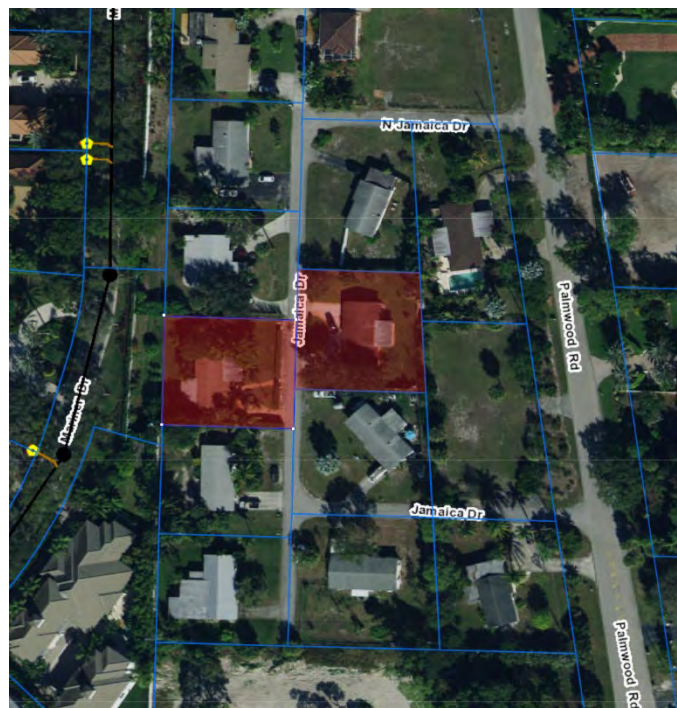
*18150 SE Woodbridge Lane:* Staff are in design and permitting. The project includes a single service to be installed in right of way. Staff anticipate construction completion by September.

*Other:* Recent activity with Statutory Way of Necessity has postponed staff focusing on other remnant properties. Staff anticipate moving forward with remnant properties this spring then coordinating with IT and customer service to re-evaluate our system to confirm remnant areas on public right of way or with easement access have all been served.

*Statutory Way of Necessity:*

*Jamaica Drive Low Pressure Sewer:* Over the last two years staff has been coordinating with two property owners for utility easements to install sewers to their properties on Jamaica Drive without success. At this time both property owners have determined Statutory Way of Necessity is the preferred option and entered into letter agreements for staff to proceed on their behalf.

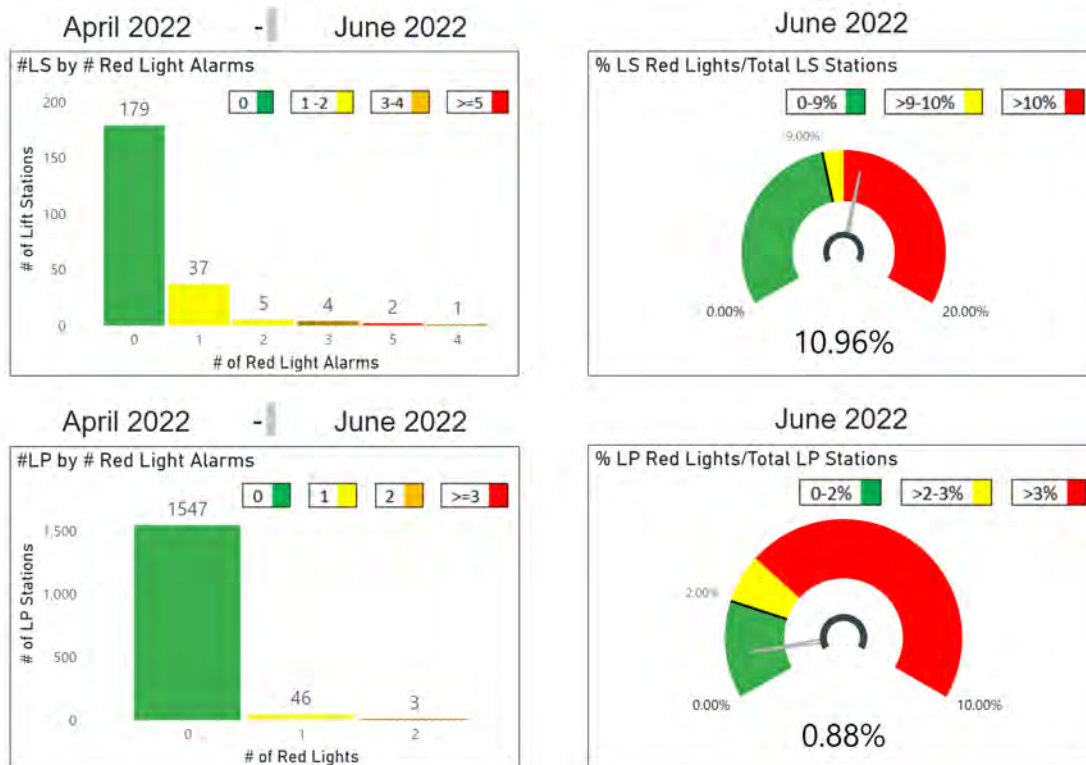
Staff are in design and permitting. This project will include a 2" low pressure force main, two single services with connection to the existing low pressure main in Palm Wood Dr.



## COLLECTIONS AND REUSE DASHBOARD

**Lift Station Red Lights:** This month the system experienced 39 total red lights. 25 lift station red lights (with 3 stations experiencing multiple red light events) and 14 low pressure red lights (with 0 stations experiencing multiple red light events). Board members have requested trending be provided for lift station red lights. Staff are working on revisions to provide this.

### Emergency Call Work Orders Dashboard



**Air Release Valves:** The ARV evaluation process has resulted in 115 ARVs inspected year to date (July 14, 2022). Of all inspected ARV's from beginning of reporting, January 2020, 111 are out of service. Board members have requested trending be provided for ARVs out of service. Staff are working on revisions to provide this.

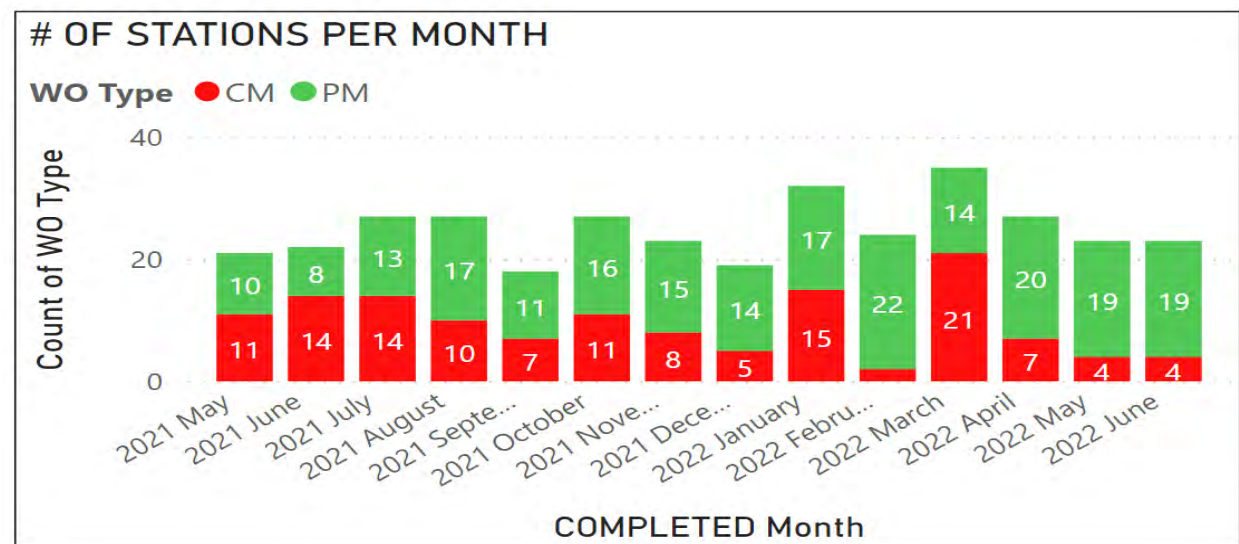
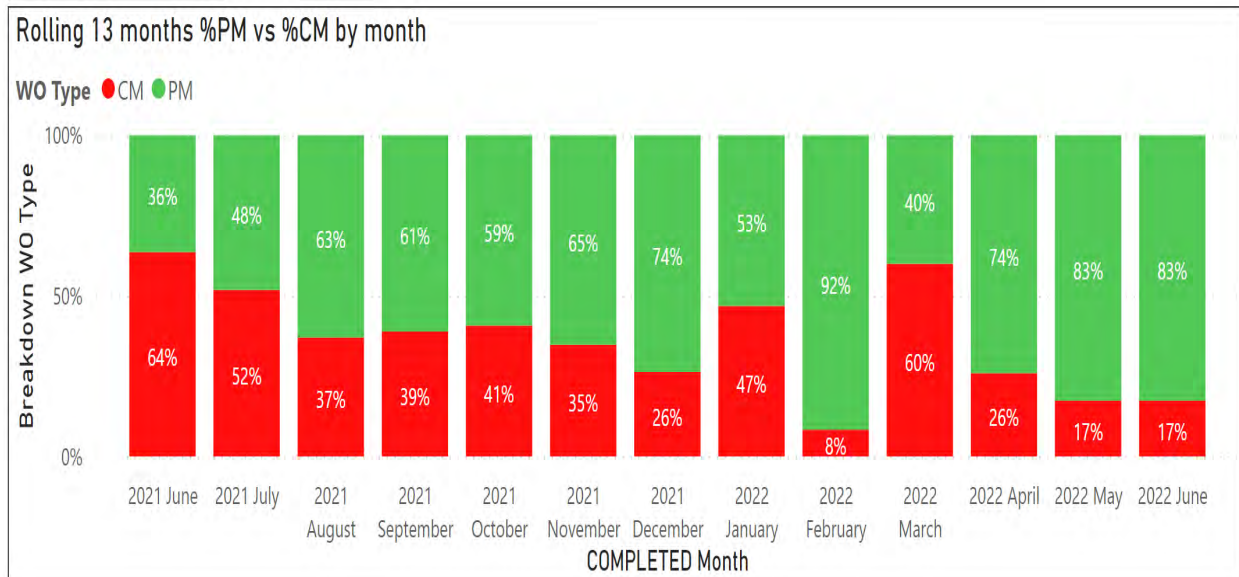
### MONTHLY ARV INSPECTIONS

Visits													
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2020	25	35	63	39	23	33	14	24	56	17	15	13	285
2021	11	33	58	88	34	33	11	23	41	19	24	21	291
2022	5	20	23	30	33	43	3						146

Out of Service
111



*Wet Well Cleaning:* Unscheduled wetwell cleanings totaled 4 for the month.



## **UNAUTHORIZED DISCHARGES (fka SANITARY SEWER OVERFLOWS)**

There were 3 unauthorized discharges in the collection-transmission-distribution system this month.

On June 2, 2022, the Loxahatchee River District (LRD) had an unauthorized discharge of 8 ounces of sewage from an air release valve (LS162-VLA08) located on Senegal Drive in Jupiter, FL. The unauthorized discharge was caused by a failed air release valve seat. The unauthorized discharge was stopped by isolating the valve until repairs could be made. The unauthorized discharge was confined to an air release valve box. The affected area was disinfected with lime and all liquid was recovered. No known surface waters or storm drains were affected.

On June 13, 2022, the Loxahatchee River District (LRD) had an unauthorized discharge of 15 gallons of sewage at a private residence low pressure system wet well (LP0137-LPSP) located on Elsa Road, Jupiter, FL. The unauthorized discharge was caused by a crack in a 1.25 inch low-pressure system PVC pipe. The unauthorized discharge was stopped turning off the system until a repair could be made. The unauthorized discharge was absorbed into the soil and the affected soil was disinfected with lime. No known storm drains or bodies of water were affected.

On June 18, 2022, the Loxahatchee River District (LRD) had an unauthorized discharge of 80 gallons of reclaimed water (aka irrigation quality water) from a force main (IQ518-IQ12M) located on University Blvd in (Abacoa) Jupiter, Florida. The unauthorized discharge was caused by a failed 4 inch PVC stub out cap. The unauthorized discharge was stopped by isolating the system until repairs could be made. The unauthorized discharge was absorbed into the soil and sidewalk and immediate area was sprayed down with potable water. No known storm drains or bodies of water were affected.



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director

FROM: Jason A. Pugsley, P.E., Operations – Plant Manager

DATE: July 14, 2022

SUBJECT: June 2022 Operations Department Monthly Report

### **Treatment Plant Division/Maintenance Department**

Overall, the month of June was productive with all monthly reports prepared and submitted on time. There were no permit exceedances this month. The treatment plant generally operated efficiently and met all treatment objectives. During the month, influent flows to the plant were on the same order of magnitude as the previous month. The plant experienced three (3) unauthorized discharges during the month June. Two (2) of the unauthorized discharges resulted in approximately 2-gallons of highly disinfected reclaimed water being released onto the ground. Both discharges were related to leaking PVC piping joints. To mitigate the recurrence of discharges at these locations, Staff are in the process of replacing the affected PVC piping with stainless steel piping. The third unauthorized discharge resulted in approximately 2-gallons of screened wastewater being released to the ground due to the failure of an air release valve to fully close and seal. The leaking air release valve was quickly discovered, isolated and replaced. All discharge areas were disinfected with lime and reported to the appropriate regulatory agencies.

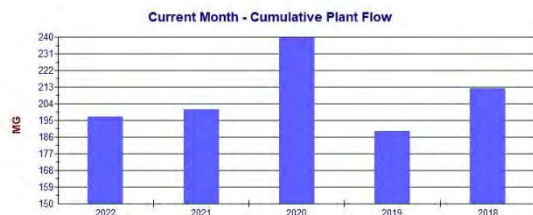
**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

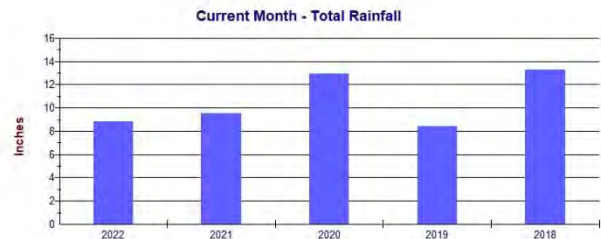
**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER

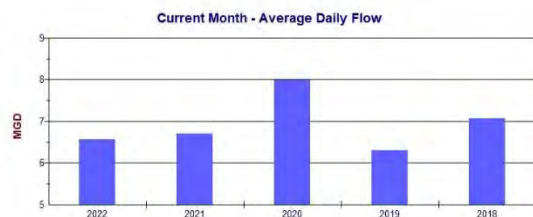
Graphical summaries of the plant flows and rainfall during the month of June including comparisons with plant flows during the previous month (i.e., May 2022) are presented below.



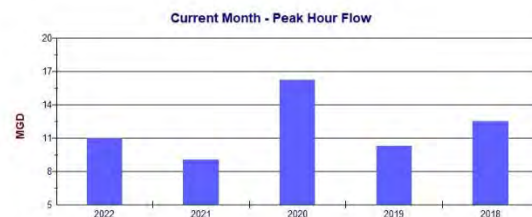
The Cumulative Influent Flow to the plant for the month of June was 197.00 million gallons. This is slightly less than the May flow of 201.54 million gallons.



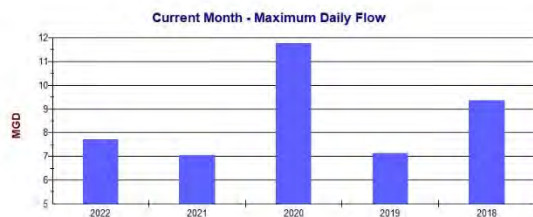
8.82 inches of total rainfall was recorded at the plant site during the month of June. This is significantly greater than the May rainfall recorded of 2.06 inches.



The Average Daily Flow (ADF) for the month of June was recorded at 6.57 MGD compared to 6.50 MGD during the month of May and 6.70 MGD during June 2021.

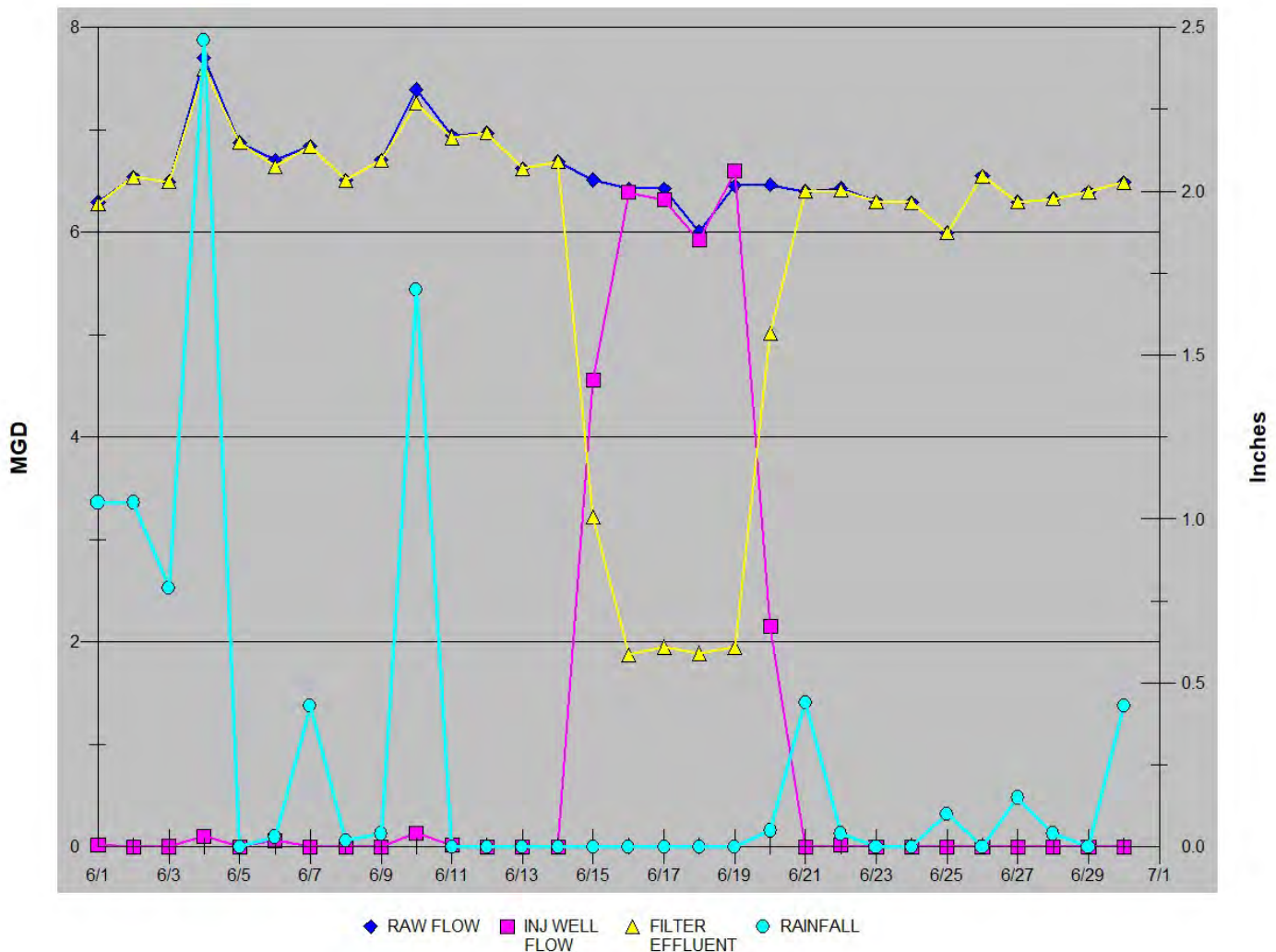


The Peak Hour Flow (PHF) for June was 7,659 GPM which equates to an equivalent daily rate of 11.03 MGD. This is an increase when compared to the PHF for May of 5,965 GPM (8.59 MGD).



The Maximum Daily Flow (MDF) in June was 7.70 MGD. This is greater than the MDF for May of 6.82 MGD.

For the month of June, 88.46 % or 174.26 MG of the cumulative influent flow to the plant was sent to the IQ storage system where it was distributed, as needed, to the various golf courses and the Abacoa development sites. A total of 32.29 MG of blended effluent was diverted to the Deep Injection Well. The plant delivered a total of approximately 163.93 million gallons of IQ water to the reuse customers during the month of June.



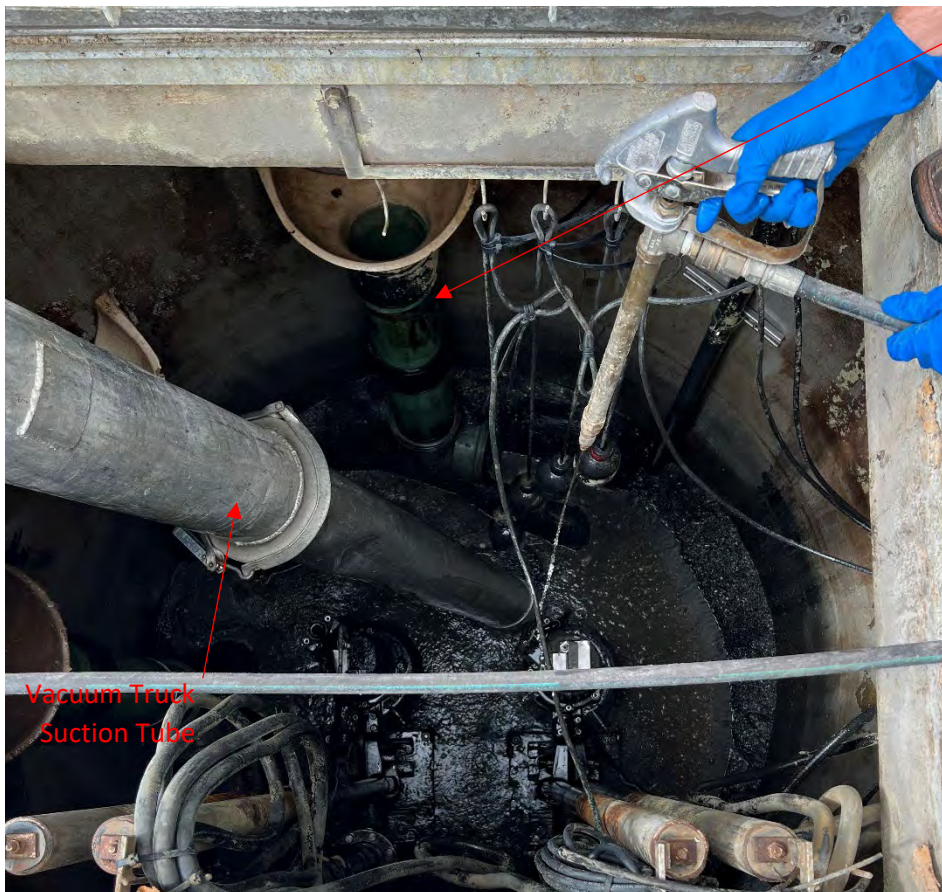
Year to date (i.e., Calendar Year 2022), approximately 80.26% of all influent flow to the plant was treated and available for reuse as IQ water. The total volume of IQ water distributed to reuse customers for the year stands at 1,154.69 million gallons.

**All monthly reporting was submitted on time.**



## Treatment Plant:

Operations Staff continued to work diligently to perform routine monitoring, sampling and general maintenance of equipment and structures. Staff also completed special projects during the month including working with the Construction Department to repair a broken drop bowl and riser pipe at Plant Lift Station No. 3 (PLS-3) which is located at the headworks structure. PLS-3 collects the side stream flows generated from the screenings and grit dewatering systems located at the headworks as well as domestic sewage discharged at the site by septic hauling contractors. All flows are diverted back to the influent of the plant to undergo treatment. Drop bowls and risers assist with minimizing the separation of solids and liquids and help to reduce the formation of hydrogen sulfide gas by controlling the rate of fall of the influent flow into the wet well at PLS-3. The repair required Staff to execute a confined space entry which was completed under the direction of the District's Compliance Officer.



Vacuum Truck  
Suction Tube

PLS-3 Drop Bowl  
Riser and Example



Plant Lift Station No. 3 – Drop Bowl Riser Repair

During the month of June, Operations also worked with the Maintenance Team to install a remote pressure indicating transmitter on the plant service water system. The transmitter, which includes a digital read-out, was installed within Electrical Room No. 2 which is immediately adjacent to the plant service water pumps. The installation of this transmitter will allow operators to quickly assess and view the plant service water pressure in the event of a failure of the pumps when in the automatic mode. Since the digital read-out is located in close proximity to the service water pumps, Staff will be able to more easily perform troubleshooting of potential issues.

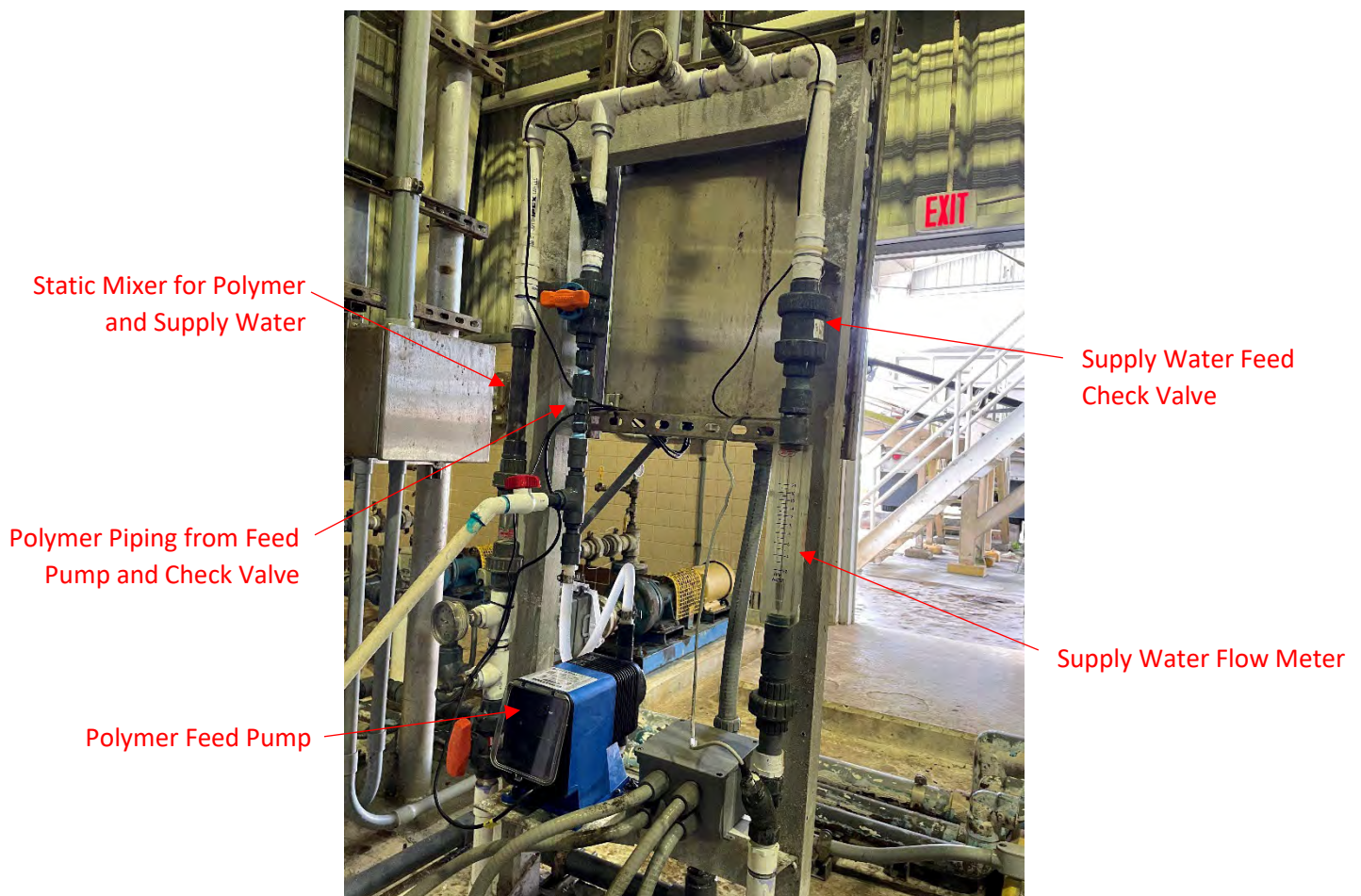


**Plant Service Water – System Pressure Display**

### **Maintenance Department:**

The Maintenance Department continued to efficiently perform planned maintenance (PM) tasks over the last monthly period. In addition to the completion of standard PM tasks, the Maintenance Department addressed non-routine maintenance items as well as “special projects”. A few examples of these types of projects are presented below.

The Maintenance Team completed necessary repairs and piping improvements to the polymer preparation and pump skids (Typical of 3) within the Sludge Dewatering Building. While the Maintenance Team regularly performs planned maintenance tasks to keep the systems running optimally, the periodic replacement of specific components is warranted. As part of the recent overhaul work, Staff replaced the existing pumping units, piping, tubing and valving on each feed system which had reached the end of their useful life and/or which had become partially blocked. Staff also took the opportunity to reconfigure the piping to eliminate unnecessary valving and to mitigate the potential for pre-mature mixing of the polymer with the supply water source. The premature mixing and activation of the polymer increases the likelihood of blockages to occur and reduces the effectiveness of the polymer when mixed with the waste activated sludge discharged to the belt filter press units.



**Typical Polymer Preparation and Feed Pump Skid**



During the month of June, the Maintenance Team also coordinated the clean-up and disposal of floating pond vegetation within the irrigation quality (IQ) storage ponds. During the summer months, when it is generally hotter, it is not unusual for an undesirable quantity of floating aquatic vegetation to grow within the ponds. To facilitate cleaning of the ponds Staff contracted with a speciality contractor, Weedoo Greenboat, Inc., which uses a specialized boat to harvest and remove aquatic vegetation from the ponds. The use of the specialized boat enabled the removal of additional weeds which were further away from the bank that would not otherwise be capturable from the pond bank. All aquatic vegetation was placed on the bank and disposed of by the Maintenance Team.



**I.Q. Lake – Aquatic Vegetation Removal – Photo No. 1**



**I.Q. Lake – Aquatic Vegetation Removal – Photo No.**



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director  
FROM: Bud Howard, Director of Information Services  
DATE: July 14, 2022  
SUBJECT: Information Services Monthly Governing Board Update for June 2022

### WildPine Ecological Laboratory Riverkeeper Project

In June, the lab staff and our partners collected water quality samples from 16 monitoring stations throughout the watershed. In addition, a total of 75 bacteria samples were tested for fecal indicator bacteria in support of additional testing for the weekly bacteria monitoring program, and the monthly testing in Jones and Sims Creeks.

The overall water quality score for June 2022 scored "Fair" with 76% of all samples meeting the EPA/DEP water quality criteria. This was worse than last month's score of 84% and last year's score of 82% for June (see score card below). The wet season started strong with over 8 inches of rain in early June that reduced water quality.

All water quality parameters degraded to some degree from last month. *Total Nitrogen* scored "Good" during June with 88% of sites meeting the water quality criteria, which was down from last month's score of 95% and last year's score of 100%. *Total Phosphorus* scored "Fair" with 75% of sites meeting the criteria, and down from last month's score of 85% and last year's 88%. *Chlorophyll*, which frequently struggles to meet the stringent water quality criteria, went from a short-lived score of "Good" last month with 80% of the sites meeting the water quality criteria, to a "Fair" score of 69% in June, which was identical to last year's score. For the combined *Fecal Indicator Bacteria* (fecal coliforms in all waters, enterococci in marine and brackish waters and *E. coli* in fresh waters), June scores scored "Fair" at 75% of the sites meeting the criteria, which was lower than last months and last year's scores at 81% and 80% respectively.

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

6/1/2021

7/1/2022



# Loxahatchee River District Water Quality Scorecard

Results scored to FDEP/EPA Water Quality Criteria

Green - Good: 80% - 100%  
Yellow - Fair: 60% - 79.9%  
Red - Poor: < 60%

## Monthly Water Quality Score

June  
2022

76%  
Overall

123  
Total Samples

TN: Total Nitrogen, TP: Total Phosphorus, CLA: Chlorophyll a, BAC: Enterococci and E. coli bacteria

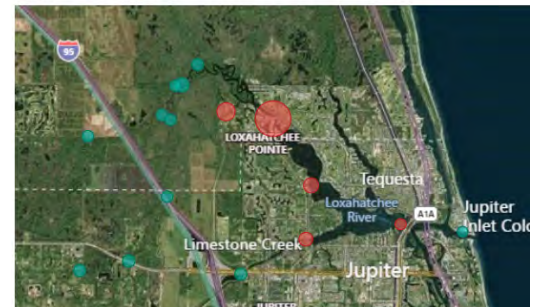
Year	Month	# Samples	Overall Score	# TN Samples	Total Nitrogen Percent Good	# TP Samples	Total Phosphorus Percent Good	# CLA Samples	Chlorophyll Percent Good	# BAC Samples	Bacteria Percent Good
2022	June	123	76%	16	88%	16	75%	16	69%	75	75%
2022	May	119	84%	21	95%	20	85%	20	80%	58	81%
2022	April	147	82%	26	96%	27	81%	27	48%	67	91%
2022	March	123	88%	16	100%	16	100%	16	88%	75	83%
2022	February	153	86%	26	88%	26	88%	26	85%	75	84%
2022	January	152	83%	28	100%	28	89%	28	79%	68	85%
2021	December	126	87%	17	100%	17	94%	17	76%	75	84%
2021	November	129	86%	26	92%	26	92%	26	81%	51	82%
2021	October	164	70%	28	100%	28	75%	28	50%	80	64%
2021	September	164	67%	24	96%	24	83%	24	50%	92	60%
2021	August	184	66%	26	77%	26	73%	26	65%	106	62%
2021	July	243	57%	55	98%	55	62%	55	18%	78	51%
2021	June	117	82%	16	100%	16	88%	16	69%	69	80%
<b>Total</b>		<b>1944</b>	<b>76%</b>	<b>325</b>	<b>95%</b>	<b>325</b>	<b>81%</b>	<b>325</b>	<b>60%</b>	<b>969</b>	<b>74%</b>

## Spatial Distribution of Water Quality Results

In June, Chlorophyll scored “Good” at 11 out of 16 sites. Station 62 at Island Way Bridge (the large red dot in figure), had an unusually high value at 92 µg/L. The other four “Poor” stations were in the estuary, which has stricter quality criteria. The upper estuary stations 60, 72 and 107 were between 12 and 28 µg/L, while station 40, near the Alt A1A bridge, was only 2.5, but above the very stringent criteria of 1.8 for that location. This time of year when the water temperatures rise and there is increased rainfall, we see algal growth in the saltwater sections of the river which can lead to higher chlorophyll results compared to the freshwater segments of the river.

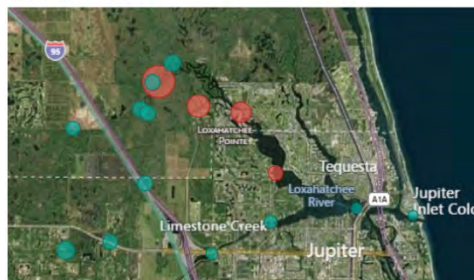
Chlorophyll a (µg/L)

CHL\_Score ● GOOD ● POOR





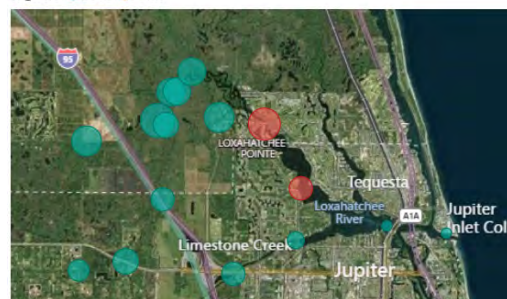
Total Phosphorus (mg/L)  
TP\_Score: GOOD POOR



Total Phosphorus scored “Good” at 12 out of 16 sites in June. The highest concentration was where Hobe Grove Ditch (HGD) enters the river in the upper Northwest Fork at 0.17 mg/L. The other three “Poor” stations were further downstream in the Northwest Fork at River’s Edge (Station 107), Island Way Bridge (Station 62) and NWF Bay (Station 60). TP results were 0.1, 0.08 and 0.04 mg/L respectively and decreased accordingly at each downstream location.

Total Nitrogen scored “Good” at all but two sites in June. Like chlorophyll, Station 62 at Island Way Bridge had the highest value at 1.3 mg/L. Station 60 in the NWF Bay was also above the criteria at 0.9 mg/L.

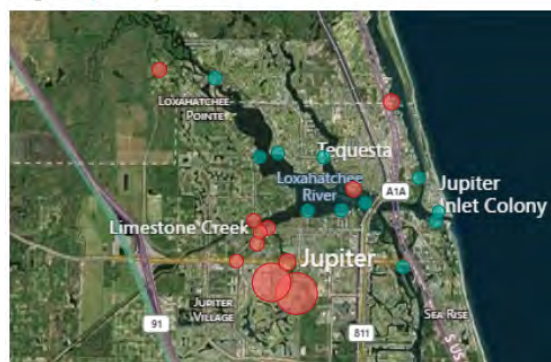
Total Nitrogen (mg/L)  
TN\_Score: GOOD POOR



The fecal indicator bacteria results for the start of the 2022 wet season took a significant decline to score “Fair”. Jones/Sims Creeks and Rivers Edge again scored “Poor” this month as they were each over the water quality criteria. For Enterococci (see map below left), the preferred indicator bacteria for saltwater, two stations in Jones Creek are consistently high. This month, the Toney Penna footbridge (TPJ) had the highest enteric count at 4,352 MPN/100 mL. Caloosahatchee culvert (CALC) was second highest at 3,873 MPN/100 mL. Sims Creek and Rivers Edge, while over the water quality criteria of 130 MPN/100mL and scored “Poor”, had bacteria concentrations in the hundreds. For E. coli (see map below right), the preferred indicator bacteria for freshwater, all stations tested were “Good” this month when compared to FDEP’s water quality criteria for E. coli.

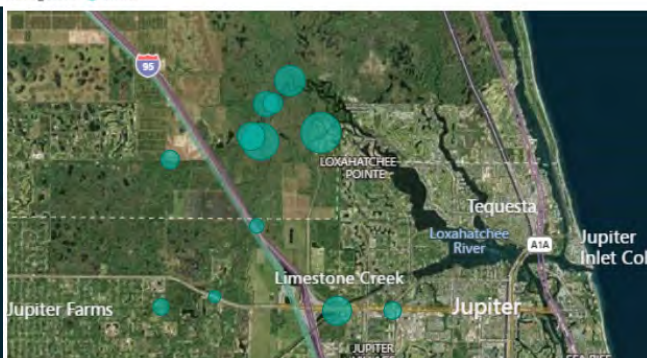
Enterococci Bacteria - Criteria: 130 MPN/100mL

ENT\_Score: GOOD POOR



E. coli Bacteria - Criteria: 410 MPN/100mL

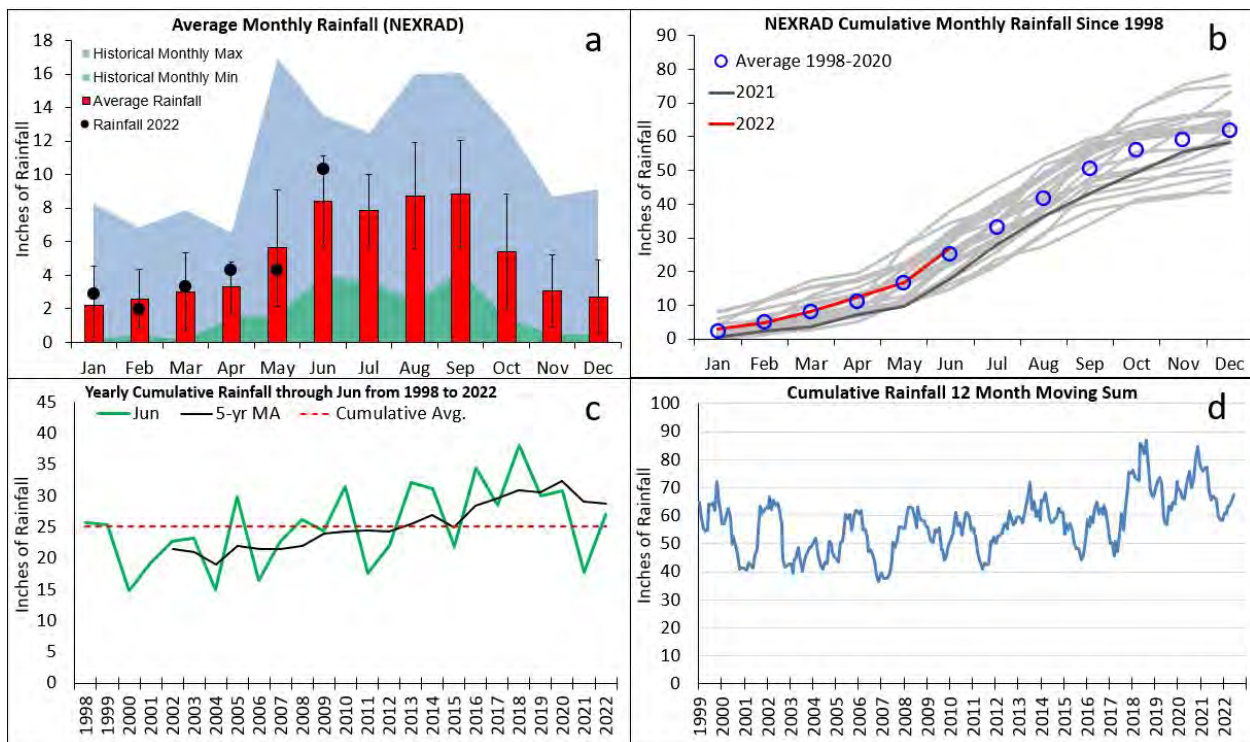
ECOL\_Score: GOOD



## Hydrologic Monitoring

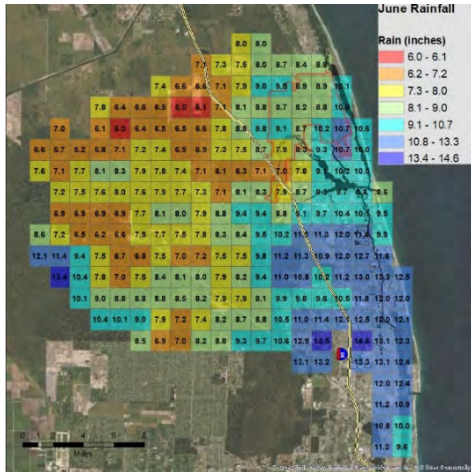
Rainfall measured across the watershed during June averaged 10.3" which is about 23% higher than the 8.4" historical average for the month (panel 'a' in figure below) and about 28% higher than the 8.1" monthly rainfall measured during June 2021. Rainfall was detected within the watershed during 27 days in June with the highest single-day total of 2.5" recorded on June 4 when a tropical disturbance moved through the area.

Despite higher than average rainfall for June, overall rainfall for 2022 continues to generally follow historical averages. Cumulative rainfall through June is 27.1", about 8% higher than the historical average of 25.1" (panel 'b' in figure below), but is substantially higher than during the same period last year which had 17.9" through June (panel 'c' in figure below). The rolling 12-month rainfall sum (July 2021 – June 2022) is 67.6", which is near the 65.5" measured during the same 12-month period last year (panel 'd' in figure below).



Figures above display various measures of rainfall. Panel (a) shows average monthly rainfall from 1998 to 2021 (red bars; error bars indicate  $\pm 1$  sd). Black dots indicate monthly rainfall for 2022. The blue and green shaded areas show the maximum and minimum rainfall ever recorded for each month. Panel (b) shows monthly cumulative rainfall for each year since 1998. Red line indicates cumulative rainfall during 2022; dark gray line indicates rainfall during 2021. Blue circles are monthly cumulative average rainfall measured between 1998-2021. Panel (c) shows cumulative annual rainfall using NEXRAD radar-based data. Green line indicates cumulative rainfall through June for each year since 1998, when the radar-based rainfall measurements began. Black line is the 5-year moving average across all years and red dashed line shows cumulative average through indicated month. Panel (d) shows cumulative 12-month moving sum of monthly rainfall.





Rainfall distribution across the watershed using NEXRAD data. Each pixel represents an area of 2 km x 2 km. Blue colored pixels show highest rainfall and red pixels show

The spatial distribution of rainfall across the watershed ranged from 6.0" of rain to a maximum of 14.6" (Figure left). Rainfall during June exhibited a typical wet season distribution and resembled dry season pattern where the highest amounts of rain were along coastal area and the driest areas were generally more inland. This month, the areas of highest rainfall were over the Abacoa community out to Juno Beach, with a small, isolated pocket of high rainfall in the western portion of the watershed in J.W. Corbett Wildlife Management Area. The driest regions were west of I-95 especially in the northwest portion of the watershed, including portions of Hungryland Wildlife Conservation Area (WCA).

River flows measured at Lainhart Dam started the month below the 35 cfs Minimum Flow and Level (MFL) target but increased rapidly to over 200 cfs because of the significant rains in early June. The peak flow of 251 cfs occurred on June 11 and decreased soon after, ending the month at about 65 cfs and resulting in a monthly average of 115 cfs.



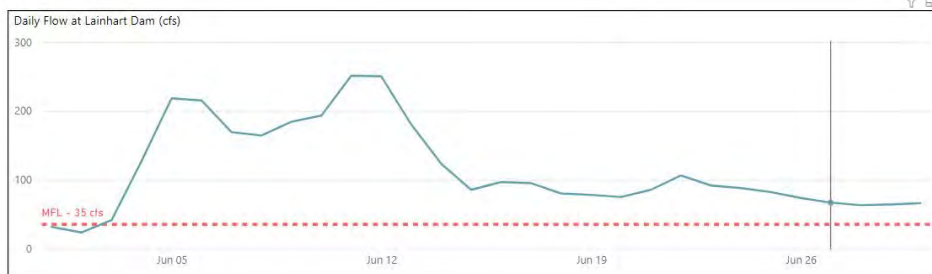
Loxahatchee River District  
WildPine Laboratory  
www.loxahatcheeriver.org

Loxahatchee River Flow at Lainhart Dam and Salinity at River Mile 9.1 Relative to the Minimum Flow & Level (MFL)  
Data from USGS. MFL Exceedance when Flow is less than 35 cfs for 20 consecutive days or Salinity 20d rolling average is greater than 2 ppt.

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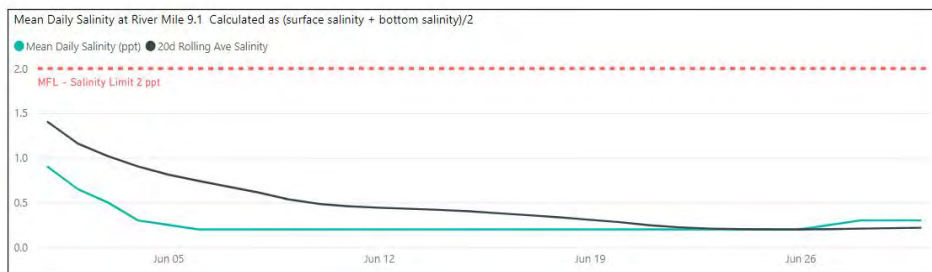
6/1/2022 6/30/2022

South Florida Water Management District's  
Real-time Flow Data Available [HERE](#)



Days of Flow Less Than MFL  
for Selected Dates  
**2**

Average flow (cfs) for  
Selected Dates  
**115.4**



Days of Salinity MFL  
Exceedance  
**0**

Average Salinity (ppt) for  
Selected Dates  
**0.27**

Flow measurements for June 2022 through the Lainhart Dam (top graph) with salinity at River Mile 9.1 (bottom graph).

## Oyster Spat Monitoring

Oyster spat settlement evaluation for the 28-day period ending June 29 showed strong oyster settlement activity, as anticipated, in both forks of the river. In the Northwest Fork, average spat density was 14,978 spat m<sup>2</sup> with 84% of the activity occurring at the downstream site. This is about three times higher than the historical average of 3,372 spat m<sup>2</sup> for this period and is a substantial increase over the 8,533 spat m<sup>2</sup> counted last month and also higher than 8,416 spat m<sup>2</sup> counted during same period last year.

Oyster spat settlement in the Southwest Fork was lower at 5,842 spat m<sup>2</sup> with a little more than half, or 59%, of settlement activity occurring at the downstream site. Spat density was less than the period average of 9,354 spat m<sup>2</sup> and substantially lower than the record-setting 32,558 spat m<sup>2</sup> counted during same period last year.

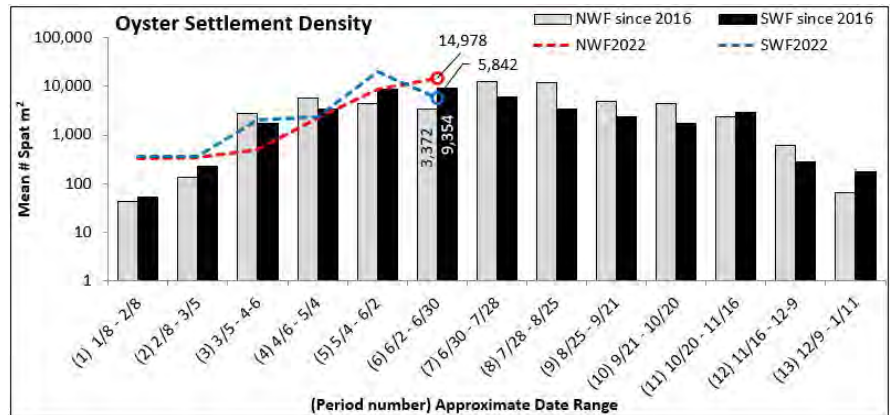
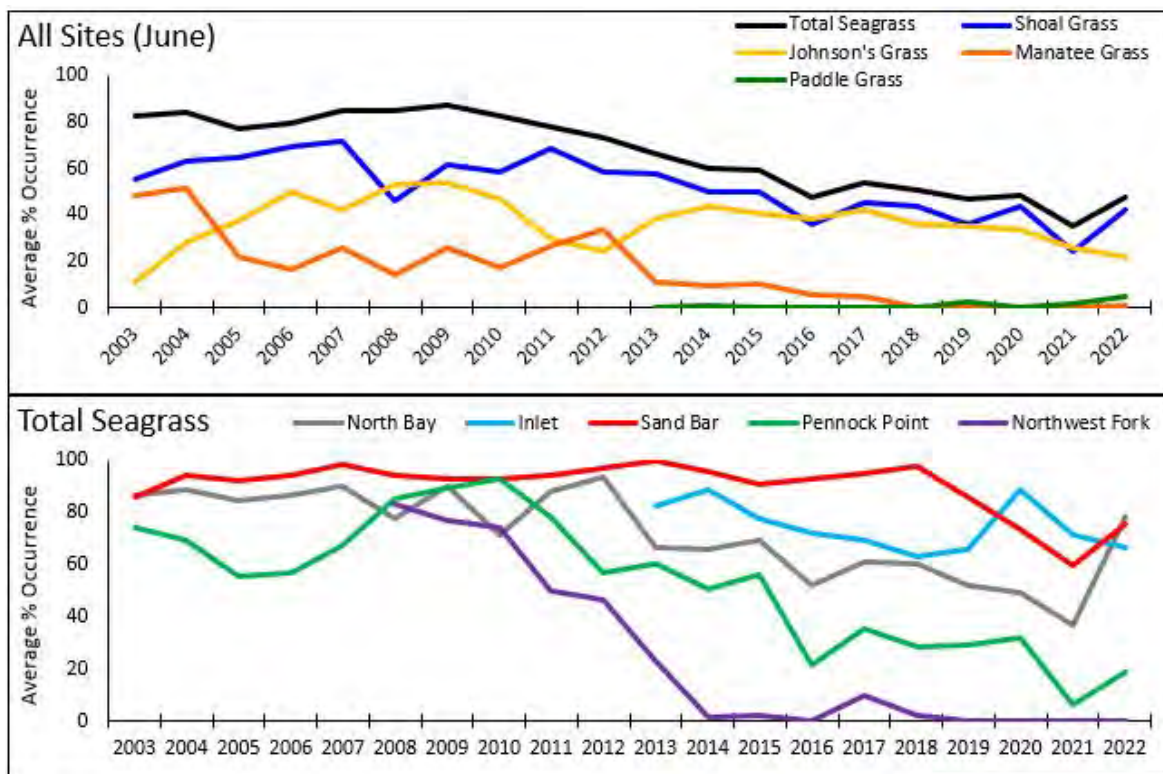


Figure shows mean oyster spat settlement for the Northwest Fork (gray bars) and the Southwest Fork (black bars) since 2016. Dashed lines show oyster spat settlement so far for 2022 in the NWF (red) and SWF (blue). Note logarithmic scale of vertical axis.

## Seagrass Monitoring

Bimonthly seagrass monitoring for June was completed and, again, showed some encouraging results with increases in seagrass coverage across the Loxahatchee River estuary. Overall seagrass presence showed increase from 35% in June 2021 to 48% in June 2022 and was driven primarily by the increase of Shoal Grass (top panel in figure below). Interestingly, the occurrence of Paddle Grass, a species related to and similar in appearance to Johnson's Grass, has been on the rise in recent years. Manatee Grass, which declined to near zero occurrence since 2017, has shown very slight increases in occurrence to about 1% in 2022. Conversely, Johnson's Grass experienced a slight decline from 26% in June 2021 to 22% in 2022.

Seagrass occurrence showed an overall increase at North Bay, Sand Bar and Pennock Point sites compared to June 2021, while the Inlet site showed a slight decrease, but well within the historical range of variability (bottom panel in figure below). The Northwest Fork seagrass site continues to lack presence of any seagrass as of the June sampling.

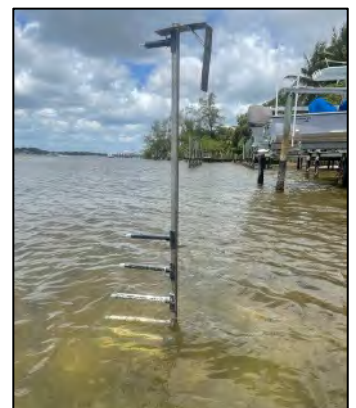


Figures above show average percent occurrence of seagrass by species (top) and by site (bottom) during June of each year beginning in 2003. The North Bay, Sand Bar, and Pennock Point sites include data back to 2003 when monitoring commenced. Northwest Fork (purple) and Inlet (light blue) were added to the monitoring program later as indicated.

## Light Monitoring Project

Light is a critical factor for seagrass growth and persistence. Over the past year, Jerry Metz, one of our lab technicians, has been working on a creative project to develop a method to collect high frequency measurements of light attenuation through water, between the surface down to the river bottom where seagrass is present.

In the past, we collected single point light measurements measured as PAR, or “photosynthetic active radiation”, at three depths in the water column. With the availability of low-cost data loggers that can measure light continuously throughout the day, Jerry has been developing a system to calibrate the new sensors to the historic, and scientific standard, PAR measurements. In Jerry’s latest iteration, he created a “tree” (pictured) to hold both the PAR and the data logger instruments, with the data logger sensors positioned at 20 cm intervals on the tree. The tree is then anchored and submerged and the data logger sensors collect measurements every 15 minutes and that data is referenced to PAR measurements. Following a method that Jerry found in the



scientific literature, he is refining a calibration equation for the data logger results under a variety of meteorological and water clarity conditions.

Early results from the study are providing some very interesting results. For example, the average light percentage reaching the seagrass bed at North Bay during June was only about 42% of the light above water, with an average water depth of only one meter.

We look forward to Jerry's continued progress on this project as we anticipate it will provide valuable information on understanding the role of light and seagrass success.

## Wastewater Surveillance of COVID-19

The wastewater surveillance monitoring for June continues to show that SARS/COVID-19 is still very prominent in our community. The recent spike in virus concentration peaked in our June 8 sample, which was followed by lower, but high concentrations measured on samples collected June 28 and July 5. Our next sampling is scheduled for July 18, and we should have results prior to our meeting.

Biobot's weekly national and regional consolidated analysis summaries include details on the proportion of the virus variants (see results [HERE](#)). This data indicates that the Omicron sub-variant BA.5 is now the most prevalent variant in the Southeast US. Some research suggests that antibodies triggered by vaccination or previous infections may be less effective at blocking this variant compared to previous strains.

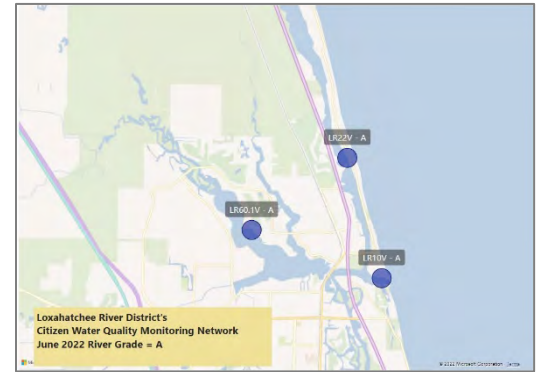
SARS-CoV-2 RNA Concentration from Wastewater- Log Scale





## Volunteer Water Quality

The overall Volunteer Water Quality grade for June 2022 was an “A”. Station 10, at the Jupiter Inlet, had lower dissolved oxygen values as the month progressed, which contributed to the reduced grade at that site from last month. All other parameters at the other two sites had excellent water quality scores.



Site	Temp (F)	Secchi	Salinity	pH	DO	DO%	Color	Vis	Salt	pH	DO	DO%	Color	Score	Grade
LR10V	28.0	3.00	32.0	8.1	6.1	93.6	1.0	A	B	A	D	A	A	91.7	A
LR22V	28.4	1.28	33.5	8.4	5.8	89.0	1.0	A	A	A	A	A	A	100.0	A
LR60.1V	27.0	1.10	25.0	8.2	6.1	88.1	1.0	A	A	A	A	A	A	100.0	A
Average	27.5													96.9	A

VAB (Visible at Bottom)

DO (Dissolved Oxygen)

ND (No Data)

## Customer Service

### Payment Processing

The Customer Service Team closed out the 2<sup>nd</sup> quarter billing, processing nearly 2,400 late payments totalling nearly \$250k, and were busy preparing for our 3<sup>rd</sup> quarter billing that began distribution on July 14.

The most interesting change to our payment patterns in Q2 was an increase in the proportion of online bill payments made through the customer's bank. Previously, these online bill payments comprised 26% of our total payments each quarter since Q1 2021, but last quarter it jumped to 32% of the total payments.

### In-House Check Scanning & Online Bill Pay Processing Solution

Following a lengthy implementation, we have successfully transitioned to our new online bill pay processing system to import, review and load the payments made by our customers using their bank's online bill pay. This new system improves efficiency and will be especially valuable when we transition to our new Customer Information and Billing System later this year.

Because of delays with the delivery of our new check and coupon scanner, we have postponed the rollout of scanning/processing our regular bill payments to our Q4 billing.

## Information Technology (IT)

### New Intercom System at Gate 2

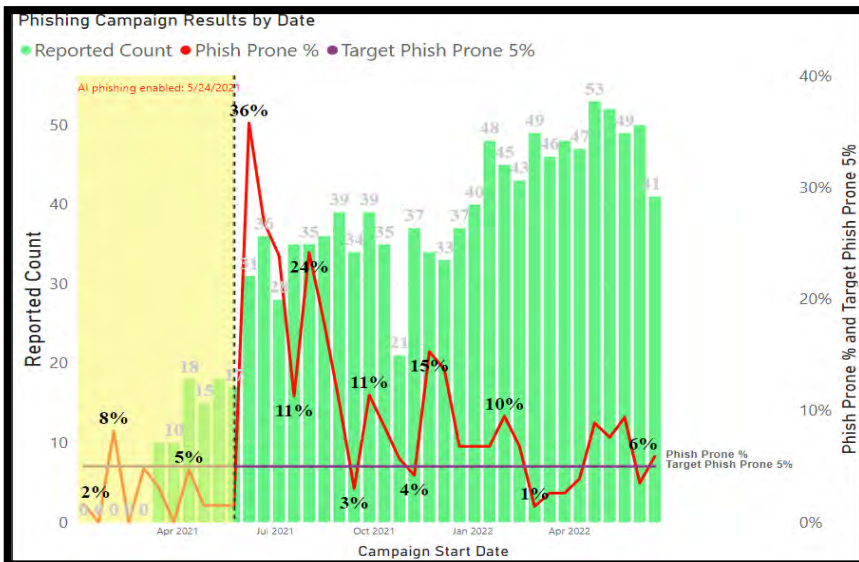
While we were doing an inventory of critical equipment, we determined that our gate intercom system had reached end of life and needed to be replaced. The new system which was installed is easy to use and has the added benefit of doubling as a camera that records to our video surveillance system. In addition, the operator can interact with the caller both on the installed computer software and on a mobile device using a secure app.



### Phishing Report

The District continues to improve our overall performance related to simulated phishing emails. We evaluate our performance by determining the phish prone percentage which is the likelihood a user will fall victim to a phishing attack. While our average phish prone percentage is going down (see red line on graph), we haven't quite stayed below our target of 5%.

These data have helped us identify two areas for improvement. The first is accelerating the knowledge and skills of new users as they onboard with the District. Users who have been at the District for one year or less are three times more likely to have a negative outcome on a simulated phishing email.



The second area of improvement is to improve our understanding of *why* people fail phishing tests. As we more specifically address why a user is having issues detecting phishing emails, then we will conduct tailored training that will hopefully improve their phish prone percentage.

The figure is a summary of results from our Phishing Campaign Testing over the past 18 months. The bars indicate the number of phishing emails (tests or real) that District staff reported before and after we

implemented the very challenging Artificial Intelligence (AI)-based testing. The red line represents the Phish Prone Percentage score, which is the likelihood of a District user falling victim to a phishing attack before and after the tests sent by the AI-powered platform.

# Loxahatchee River Environmental Center

July 2022

## River Center Summary Statistics



## LRD'S ENVIRONMENTAL STEWARDSHIP DASHBOARD



Environmental Stewardship Impact [%ES Impact = (Total Visitors x ES Index)/Monthly Target]		Environmental Stewardship Index	Total Visitors (incl. Visitors, Field Trips, Onsite Programs)	Average Program Participation [Actual participants/Capacity of Program]	Volunteer Engagement	1st Time Visitors	Visitor Satisfaction	Staff Overall Program Assessment	Expenses	Program Revenue
Benchmark / Customer Expectation	% of Target	Monthly Average [Max Rating is 9]	% of Target	% of Capacity	% of Target	% of Target	Rating Average [Max Rating is 5]	Rating Average [Max Rating is 9]	% within budget	% of Target
Blue Level	≥ 110%	≥8	≥ 110%	≥ 95%						
Green Level	≥ 90%	≥7	≥ 90%	≥ 75%	≥ 90%	≥ 90%	≥4	≥7	≥ 85% but ≤ 105%	≥ 90%
Yellow	≥ 75%	≥5	≥ 75%	≥ 50%	≥ 75%	≥ 75%	≥3	≥5	≥ 80%	≥ 75%
Red	<75%	<5	<75%	<50%	<75%	<75%	<3	<5	< 80% or > 105%	<75%
2019 Baseline	134%	7.3	44%	83%	121%	124%	4.7	7.8	97%	128%
2020 Baseline	62%	7.6	28%	50%	70%	65%	4.6	7.8	81%	103%
2021 Baseline	188%	8.1	112%	83%	102%	275%	4.7	7.8	92%	85%
2021 June	312%	8.1	142%	106%	115%	328%	4.6	8.0	96%	51%
July	371%	8.1	205%	87%	154%	579%	4.5	8.1	115%	49%
Aug	355%	8.1	160%	85%	175%	330%	4.7	8.0	107%	86%
Sept	237%	7.6	192%	85%	66%	519%	4.6	7.8	91%	83%
Oct	63%	7.8	77%	81%	92%	155%	5.0	7.8	104%	90%
Nov	76%	8.0	75%	87%	112%	156%	4.9	7.9	89%	101%
Dec	74%	8.1	67%	86%	63%	193%	4.9	7.6	95%	120%
2022 Jan	44%	8.4	65%	73%	65%	236%	4.9	7.6	98%	111%
Feb	45%	7.8	79%	90%	109%	235%	4.5	8.1	99%	98%
Mar	82%	8.2	91%	90%	96%	110%	4.7	8.2	103%	103%
Apr	82%	8.6	104%	75%	136%	173%	4.9	7.9	97%	87%
May	45%	8.1	55%	86%	55%	147%	5.0	7.9	100%	153%
June	139%	8.4	86%	92%	98%	107%	4.8	8.0	100%	122%
Consecutive Months at Green	1	13	0	2	1	13	13	13	9	2
Metric Owner	O'Neill	O'Neill	O'Neill	Duggan/Warwick	Weeks	O'Neill	O'Neill	O'Neill	O'Neill	O'Neill

Metric	Explanation
Total Visitors	With summer, we are seeing our numbers climb back to near normal levels. The summer camp field trip numbers are lower than usual which is causing the dip in numbers, but regular visitation seems to have bounced back to near pre-pandemic levels.

## River Center General

Nothing this month.

## Special Programs

### River Center Aquatic Adventure Summer Camp:

On June 6<sup>th</sup>, the River Center kicked off our Summer Camp Season. This month we began our summer with 16 campers each week, spanning the ages of 6-13. Each week campers explored many of the wonderful and beautiful locations all around the Loxahatchee River including Dubois Park, Blowing Rocks Preserve, Coral Cove Park and the Intracoastal. River Trekkers is designed for children ages 9 and 10 entering 4<sup>th</sup> and 5<sup>th</sup> grades. Nature Navigators is designed for children ages 7 and 8 entering 2<sup>nd</sup>, and 3<sup>rd</sup> grade. Our Middle School Snorkel Camp is designed for children ages 11-13 entering 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> grade. Campers went kayaking, seine and dip netting, standup paddle boarding, boating, and fishing! Campers kayaked to Fullerton Island and Sawfish Bay, seine and dip netted at Burt Reynolds Park, and took a boat trip to Bird Island in the Central Embayment of the Loxahatchee River. It has been a wonderful first month of camp and we cannot wait to finish the summer.



### Family Estuary Exploration [Saturday, June 11<sup>th</sup>]



**On Saturday, June 11<sup>th</sup> the River Center hosted a Family Estuary Exploration at Blowing Rocks Preserve.** This activity includes 2 hours of seine and dip netting in our beautiful Indian River Lagoon. Guests discovered plenty of sea urchins, Florida Fighting Conchs, and cigar jellyfish! We had fun exploring the preserve and splashing around outdoors. We had 14 participants total for the programs. The River Center would like to thank The Nature Conservancy for their continued support through this partnership.

### H2O to Go – FAU / Pine Jog Environmental Learning Center [June 13, 17, 27]

Each summer the H2O to Go teen camp visits the Loxahatchee River District Wastewater Treatment Facility several times to help their students better understand water resources in our communities. Each group consists of 15-20 students. They walk the plant site and learn about the different processes at the plant, how we make a difference in our community through wastewater treatment, research, and education, and participate in a chemistry demonstration to represent the testing that our operators do each day. Afterwards, they have lunch before travelling to Busch Wildlife Sanctuary for another field trip.

### AustinBlu Fishing Tournament [Saturday, June 18<sup>th</sup>]

On Saturday, June 26<sup>th</sup> the AustinBlu Foundation and the River Center hosted the 4<sup>th</sup> AustinBlu Foundation Land and Sea Fishing Tournament. This unique tournament offered two competitions for anglers: a harvest competition and a catch and release tournament. Over 130 anglers were registered to compete in this stacked competition. With lines in the water at 7:00 AM, anglers had until 4:00 PM to submit or weigh their catches in-order to be considered for prizes.

Anglers in the catch and release tournament used the Fish On app from Reeltime Apps to submit catches to our River Center judges. The more fish they caught, the better their chances of winning. By the closing of the event, over 1000 catches had been submitted for judging!



Contestants in the harvest competition weighed their largest catch at our AustinBlu weigh-in station. Anglers could submit fish for four different categories: Jack Crevalle, Snapper (any Species), Grunts (any species) and Sheepshead. The competition was steep, but Lilly Lasater managed to catch a 15-pound Jack Crevalle, which brought her into the Grand Prize position. This is the second year we have had a girl win grand prize! Fish on ladies!



After fishing, the fun kept rolling with an awesome prize-packed raffle and great food trucks from Little Moir's Food Shack, Chick-fil-a, and Pop shack. We had approximately 250 people attend the award ceremony and festivities. Participants went home with amazing swag buckets filled with items from our generous tournament sponsors. Winners of the competition were awarded cash prizes, with a grand prize of \$500!

We are so proud to work with an organization like the AustinBlu Foundation and we are looking forward to next year's tournament!

### **Blooming in the Garden [Saturday, June 25th]**

On June 25th, the River Center hosted a Blooming in the Garden program for families with early learners. The theme this month was *Fireflies of Florida* which included a fun firefly themed craft. Families got the opportunity to explore the River Center's migratory bird garden. They learned where fireflies like to live and what makes them special from other bugs.



### **Intro to Kayaking [Wednesday, June 15th]**

On Wednesday, June 15<sup>th</sup> the River Center lead a group of 9 participants around Burt Reynolds Park teaching the basics of kayaking. This workshop is an introductory course on the basics of kayaking. Participants learned about paddling safety, various equipment, and what to do before you go. Once on the water, guests got firsthand experience testing their strokes and paddling around the park.

### **Sandbar and Seashells Family Boat Tour & Snorkeling Adventure [Wednesday, June 22nd]**

11 participants joined the River Center for an exciting family-friendly boat tour! On-board the Osprey families enjoyed a trip up the Central embayment of the Loxahatchee River. While snorkeling families hunted for shells and creatures at the sandbar while learning about our unique waterways.



### **Volunteer of the Month**

Katalina Nance is our June 2022 volunteer of the month! Katalina recently volunteered at our AustinBlu Fishing Tournament as a face painter and volunteers at the River Center on a weekly basis. She maintains a sunny disposition and always wears a smile around the center. Katalina enjoys working at the touch tank as a docent and getting up close and personal with the animals in our care. She is a great docent and provides our guests with a wealth of knowledge. She is pictured with our corn snake, Daisy.

# Upcoming River Center Events

RSVP at [www.lrdrivercenter.org/events-calendar](http://www.lrdrivercenter.org/events-calendar)  
[rivercenter@lrecd.org](mailto:rivercenter@lrecd.org) or 561-743-7123

**Every Thursday, 9:30 a.m. – 10 a.m. – Story time:** Join the River Center outside in the Chiki hut for Story Time. Families are welcome as we read stories and have an animal encounter.

## SUMMER SEASON

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**July 8, 6 – 7 p.m.: Science with Sam – Family Fun: Bones & Teeth** – Families will learn to identify animal bones and teeth, compare various animal teeth, discuss the relationship between teeth shape animal diet and the animal's place in the food chain. Finally, we'll dissect owl pellets to identify their prey.

**July 15, 6 – 7 p.m.: Science with Sam – Family Fun: Mangrove Mania** – Families will be taught the life of mangrove trees and discover their importance in our natural systems and in our community. Families will learn how mangrove trees protect our shorelines and why we should protect them through a series of educational games.

**July 23, 10 – 11:30 a.m.: Blooming in the Garden:** Join the River Center for our Blooming in the Garden program, designed for children ages 3-6. The program will start at 10:00am at the River Center Fire Pit with a story time and a garden themed craft. We will then move to our garden for a garden themed hands-on activity. When it is time to go home, children will receive seeds to take home to start their own garden! So do not miss this exciting opportunity for your little ones to enjoy nature!

**July 27, 10 a.m. – 12 p.m.: Family Boat Tour – Sandbar & Seashells:** Join the River Center for an exciting family-friendly boat tour! Hop on-board the Osprey for a trip up the Central embayment of the Loxahatchee River. Hunt for shells and creatures at the sandbar and soak up some sunshine! Make sure to bring water, snacks, water shoes, and snorkel gear! The boat will launch from Burt Reynold's Park. Registration is required to attend. Space is Limited!

**July 29, 9:30 a.m. – 12 p.m.: Kayaking 101:** Join the River Center for our Intro to Kayaking: Kayak 101 workshops! Participants in these workshops will learn basic kayak strokes, safety tips and how to be a proficient paddler on the water. This course will be conducted by a Level 2 Kayak instructor and all equipment will be provided. Registered participants need to bring water, water shoes, and comfortable clothing that can get wet. Registration is required to attend. Space is limited.

**July 29, 6 – 7 p.m.: Science with Sam – Family Fun: Chemical Reactions** - Families will learn the difference between chemical and physical reactions and experiment with some chemical reactions of their own. Families will experiment making their own lava lamps, titrating acids/bases, dissolving shells with vinegar, and creating a reaction with soda and mentos.

**July 30, 9 a.m. – 12 p.m.: Fishing Clinic:** Don't miss out on this exciting fishing opportunity with the River Center. Fishing clinics are a great way for kids to learn the basics of fishing methods and tactics! Make sure to join us for an engaging overview that includes knot tying, fish identification, and of course fishing! Parents are encouraged to accompany their kids and participate in the clinic. The cost is \$10 per child. Interested participants should bring water, sunscreen, a hat, and sunglasses.

**August 4, 10 a.m. – 12 p.m.: Kayak Tour – Loxahatchee Slough:** Be adventurous and join the River Center for a paddle through the marshes and swamps at the Loxahatchee Slough Natural Area.

**August 5, 6 – 8 p.m.: Jr. Angler Fish Fry & Awards Ceremony:**

**August 6, 10 a.m. – 12 p.m.: Seine & Dip Estuary Exploration – Blowing Rocks Preserve:** Join the River Center in a day of estuary exploration at our Family Seine and Dip Netting Experience at Blowing Rocks Preserve! Activities will include exploring our local waterways through dip netting and seining. Guests are welcome to bring their own buckets and dip nets. Please make sure to bring sunscreen, water shoes, and plenty of water!



# LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

[loxahatcheeriver.org](http://loxahatcheeriver.org)

## MEMORANDUM

**To:** D. Albrey Arrington, Ph.D., Executive Director  
**From:** Ed Horchar Safety Officer  
**Date:** July 13, 2022  
**Subject:** District Safety Report for June 2022

### Safety Metrics: June 2022

OSHA recordable injuries: Zero

Lost time injuries: Zero

**Actual TRIR: 1.3** [Goal < 2.2]

TRIR = Total Recordable Incident Rate

### Safety is a Core Value at LRD – Our

*conduct is shaped by a personal commitment to protect the health and safety of ourselves and our colleagues. Safety is driven through education, training, planning, protective equipment, and individual accountability.*

### **OSHA Recordable Incidents/MVA's:**

The LRD has now experienced zero OSHA Recordable Injuries and zero Motor Vehicle Accidents (MVA) for seven consecutive months. With one recordable injury in the last 12 months, we have sustained a Total Recordable Incident Rate (TRIR) of 1.3, below our goal of 2.2 and a rate shared as the lowest in recent history. The District will need to work injury free for an additional five months to reach a rate of zero. The District best for consecutive months with no recordable injuries is 8.

With a total of two MVAs in the last 12 months, the MVA incident rate is at 2.2. Equal to the LRD MVA goal of 2.2. Similar to the zero-injury rate focus, the District will need to work MVA free for an additional five months to reach a rate of zero.

### **Sustainment:**

Job Hazard Assessment (JHA) activity sustained the impressive volume established in May. The District experienced another record volume, albeit by an increase of 10 for a June total of 740 completed JHA's. The following is a comparison of June JHA's performed per employee in each participating department:

Reuse:	37 JHA's / employee	Construction:	11 JHA's / employee
Collections:	25 JHA's / employee	Inspection:	1 JHA / employee
Operations:	25 JHA's / employee	Wild Pine Lab	2 JHA's / employee
Maintenance:	11 JHA's / employee		

James D. Snyder  
CHAIRMAN

Gordon M. Boggie  
BOARD MEMBER

Stephen B. Rockoff  
BOARD MEMBER

Dr. Matt H. Rostock  
BOARD MEMBER

Reuse, Collections, Operations, Maintenance and Construction seem to have a solid and stable monthly output and am confident this will continue moving forward. Since the goal is to have a JHA performed for each work order initiated, I would challenge each department to self-check each work order to ensure a JHA has been completed and adequately reviewed prior to each task. While we remind each other of this approach, we will continue to improve the overall safety performance and reach the zero-incident rate.

Near Miss reporting increased to six submittals in June. This is second highest number submitted, following the record high number of nine submittals in April. Now that the Near Miss process is integration into the EAM work order system, the submitter of each Near Miss will be notified of the Near Miss disposition including the Corrective Action status if appropriate. Each employee is encouraged to participate in this program.

### **Training:**

The emphasis on classroom and computer-based safety training continued in June. One new hire received mandatory onboarding safety training which is regulatory, and policy driven. Completed training will continue to be tracked. The focus in June was Hazard Communication, AKA “The Right to Know Law”. The District realized a 93% completion rate for all safety training tracked in June, below the District goal of 95%. Employees are asked to be aware of initial computer-based Safety training notification’s from “platform@targetsolutions”. If employees are overdue a computer-based training reminder will be sent. This most likely is not spam.

The final 2022 CPR/AED and First Aid training (including Bloodborne Pathogen) is scheduled for August 10<sup>th</sup> from 8:00 AM – 12:30 PM in the Operation Education Training Room. This certification is of benefit for work and home, as the course offers Adult, Infant & Child CPR/ AED and First Aid Training. Upgraded AED’s have been distributed to appropriate District buildings. If you have yet to attend, it is highly recommended District employees sign up for this training. Contact Ed Horchar to register.

Congratulations to John Voss and Courtney Marshall as they completed the Advanced Management of Traffic (MOT) training in June. Intermediate MOT training will be scheduled for July/August for new employees requiring training to stay in compliance

The plant FDEP storage tank registration was completed, and the Placards are posted in the breakroom.

A review of the Risk Management Plan / Process Safety Management for chlorine operations is underway. Any changes will be made and appropriately forwarded to the EPA. Training for affected employees will be conducted after the change implementation and EPA notification

Workplace inspections were sustained in June. District jobs that were observed included headworks LS 3 drop repair, LS 160 wall opening repair, Shirley Drive LP collar installation, ARV 133 inspection (MOT), and various LS and IQ ARV inspections.





Pictured at right: Tommy Cox, prepares to enter Plant Lift Station 3 for a drop repair while Robbie Spires, Alex Smith and Nathan Jarvis support this confined space entry. At left: Tommy Cox is performing the repair while utilizing proper PPE and Confined Space Entry equipment.



Below, after review of the JHA, Kyle Shepherd enters a confined space as Dwayne Martin lowers him utilizing the davit winch. Brandan Collins monitors as the Confined Space Permit Writer while Aaron Toth adjust the confined space gas meter tubing as the Confined Space Attendant. This confined space entry was unique due to the very narrow size of the opening. Because a ladder could not be used to enter, Kyle had to be carefully lowered in place utilizing proper equipment (winch), while also being tied on to a Self-Retracting Lifeline to support non-entry rescue if required. Proper training, and technique were vital to complete this task. Four separate confined space entries were successfully conducted on June 29<sup>th</sup> by these District employees utilizing this process.



The District employees are benefiting from a safe work environment as evident by the successful confined space entry above, and seven consecutive months of injury and MVA free work. The JHA and training programs are benefiting District employees as the District shoots for 12 months of injury free work. Please reach out to me and let me help you achieve your safety goals.



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## MEMORANDUM

**TO:** Governing Board  
**FROM:** Administration Staff  
**DATE:** July 21, 2022  
**SUBJECT:** Consultant Payments

The following amounts have been reviewed and approved for payment to our consultants for work performed during the prior month.

Consultant	Prior Month	Fiscal YTD
Shenkman	\$ 4,000.00	\$ 75,660.00
Baxter & Woodman	\$ 3,359.48	\$ 65,476.93
Carollo	\$ 4,507.64	\$ 113,701.16
Chen Moore	—	\$ 79,796.41
Holtz	\$ 31,645.05	\$ 233,886.83
KCI	\$ 12,325.00	\$ 78,740.20
Mock, Roos & Associates	—	\$ 67,831.50

Should you have any questions regarding these items, please contact Kara Fraraccio concerning the attorney's invoice, and Kris Dean concerning the engineers' invoices.

**James D. Snyder**  
CHAIRMAN

**Gordon M. Boggie**  
BOARD MEMBER

**Stephen B. Rockoff**  
BOARD MEMBER

**Dr. Matt H. Rostock**  
BOARD MEMBER



# Future Business

## General:

- FY2023 Budget
- Board Presentation of select Six Sigma green belt projects
- Renewal of Health Insurance

## Future Contracts:

- Construction contract for BLM Site Plan and House Renovations
- Biosolids Process Evaluation – engineering contract
- Lift Station Control Panel Replacements – engineering contract