

FRIENDS OF ST. SEBASTIAN RIVER
BOARD OF DIRECTORS' MEETING AGENDA
TUESDAY, JUNE 11, 2024 – 9:45am, Ryall house/South Prong Preserve

CALL TO ORDER/ATTENDANCE

CALL FOR ADDITIONS/DELETIONS TO THE AGENDA

MINUTES FROM THE PREVIOUS MEETING(S) – pp. 2-3

TREASURER'S REPORT – pp. 4-10

PRESIDENT'S REPORT –IR County grant funding from FWC for IPM/invasive plant removal on St. Sebastian River Greenway/Dentin/Ansin/South Prong Preserve

UNFINISHED BUSINESS

- 1) Adopt-a-Road – IR County for route 512 segment – awaiting update from County
- 2) St. Sebastian River road signs – Apr 2023 email request forwarded to new County email format. Acknowledgement that it was received and awaiting response.

NEW BUSINESS

Mobile Beacon hotspot (internet service) subscription renewal, \$120/year

COMMITTEE REPORTS

Advocacy – Herrmann

SJRWMD permits – Bluewater Bay (route 510) permit #95794-6, completion of stormwater infrastructure with modification of control structure

ACOE permits –

Dr. Gilmore – petition for endangered fish status, Ashley Lingwood, IRC Cons. Lands to be involved, working on outline of issues to be addressed by narrative

Tree ordinance – email from Katherine Booth re. trees at new homes along IR Drive – pp. 11-14

FDEP blue/green algae report, May 24-30, 2024 – p. 15

Education/Outreach – Bolton/Stephen

Next General Meetings – Sep. 24th and Nov. 26th, TBA

Wimbrow Park/River manatee signs

UF/IFAS Bookstore sale/items for purchase?

The Emerson Center 2024-25 E-Series sponsorship? – p. 16

IR County Cons. Lands, South Prong project with school students, September?

American Rivers/Verizon mural donation – p. 17

Financial – Greene, donation by the Sebastian River Art Club from sales at Earth Day, thank-you sent by Carol Lynn

Governance – Herrmann

Information – Glover – handouts from May 24 General Meeting posted to website

Membership – Herrmann, good response to reminders, none for May and June, new members - none

Publicity – Penny Phillips, Facebook message from Katherine Booth, trees, see above

Volunteer – vacant, summer South Prong volunteer dates?

Round robin –

Adjournment

ANNOUNCEMENTS

- 1) Next BOD meeting – July 9, 9:45am, Ryall house
- 2) South Prong Preserve workdays – June 15
- 3) Roseland Women's Club/Community Park workday, June 19, 9am (monthly on the third Wed.)

**FRIENDS OF ST. SEBASTIAN RIVER
BOARD OF DIRECTORS MEETING MINUTES
MAY 14, 2024--9:45 am, RYALL HOUSE, SO. PRONG PRESERVE**

CALL TO ORDER/ATTENDANCE-Pres. Glover called the meeting to order at 9:49 am. In attendance were Herrmann(vice-pres.), Greene(treas.), Peterson(secy.) and directors Bolton, Stephen, and Zingman. Advisory director Hinck was also present.

CALL FOR ADDITIONS/DELETIONS TO AGENDA--Remarks from Herrmann under New Business

MINUTES FROM PREVIOUS MEETING(S)--Herrmann made a motion, seconded by Bolton, that the Minutes from the April 9, 2024 meeting be approved and accepted; all voted in favor.

TREASURER'S REPORT(AP,pp.4-10)--Bolton made a motion, seconded by Peterson, that the report be accepted for audit; all voted in favor.

PRESIDENT'S REPORT--

- new MRC Exec. Dir. to start mid-June--Glover does not know the name.
- ORCA Impact 100 grant -SSR pollution map-one of ten recipients of specialty grant
- SSR Greenway plans/developments meeting w/IRC Parks & Rec, and IRLT, June 12-
Glover will attend this meeting.
- SPP hog removal-Glover reported that the wild hogs have created less property damage than before.

UNFINISHED BUSINESS

- 1) Adopt-a-Road-IR County for Rte. 512 segment-awaiting update from County
- 2) St. Sebastian River road signs, no update

NEW BUSINESS-Herrmann thanked Bolton and Hinck for their successful handling of the 3rd Paddle Fest. He asked that Hinck share with him the names of those who sponsored the event or provided raffle prizes so that he could write thank-you notes.

COMMITTEE REPORTS

Advocacy-Herrmann

SJRWMD permits-Liberty Park stormwater pond, phase status and mod, permit #165199(AP, pp.11-12)

ACOE permits-none

FL Right to Clean Water commitment at Level 2(AP, p.13)

Brevard County Comp Plan/FLU(Future Land Use) Map amendment, @1110 acres on Babcock Street, between Deer run and Waterstone developments, change in density from Residential 1 unit/2.5 acres, to Residential 4 and Commercial (adjacent to the Sottile Canal)(AP, p.14)

Dr. Gilmore-petition for endangered fish status, meeting with Jeff Howe, and MRC

members Mara Skadden, head Of Science and Jim Moir, Chairman of the Board, on Apr. 16 to discuss endangered species petition for pipefish
Sierra Club sign-on to Gov. DeSantis re fertilizer study, etc.(AP, pp.15-19)
Education/Outreach-Bolton/Stephen
May 28th FSSR meeting, North IR Library, Alexis Peralta, summer fertilizer restrictions and stormwater
Wimbrow Park/River manatee signs-need to be updated by Florida Fish & Wildlife
St. Sebastian River cruise/fundraiser w. Hiram's in the fall-Hinck shared his ideas re having speakers on board to address special happenings on the River-cruise to occur possibly Nov./Dec.?
Alexis Solomon thank-you--Glover read her letter aloud (one of two recipients of George Schum award)
UF/IFAS Bookstore sale/items for purchase(AP, pp.20-24)—tabled
Financial-Greene-Ryall expenses reports(AP, pp.25-26)--Greene reported that expended \$1300+in 2022, \$1159 in 2023, and \$919 to date in 2024.
Governance-Herrmann
Information-Glover-no update
Membership-Herrmann, good response to reminders, none for May and June, new members from Paddle Fest: Al & Charlene Fuhrman, Lee Gedeon, Murray Izenwasser, Sara Martz, Jim Moir, Terra Scherz, Chris Tschinkel, Pamela Williams, Pamela Wolf; members renewed who participated in Paddle Fest; also Ray Osborne
Publicity-Penny Phillips, no update
Volunteer-vacant
Round Robin--
1) Board discussed 3rd Paddle Fest, its success, and how to run Paddle Fest #4
2) Peterson reminded Greene and Glover to order a hand rail for outside front door
Adjournment--Herrmann made a motion, seconded by Greene, that the meeting be adjourned at 10:58 am; all voted in favor.

ANNOUNCEMENTS:

- 1) Next BOD meeting-June 11, 9:45 am, Ryall House
- 2)South Prong Preserve workdays-May 18, June?

Respectfully submitted,



Carol Lynn Peterson
FSSR Secretary

Friends of St. Sebastian River

Profit & Loss

May 2024

06/06/24

Accrual Basis

	<u>May 24</u>
Ordinary Income/Expense	
Income	
43400 · Direct Public Support	
43410 · Corporate Contributions	210.00
43440 · Gifts in Kind - Goods	260.00
43450 · Individ, Business Contributions	<u>1,041.56</u>
Total 43400 · Direct Public Support	<u>1,511.56</u>
Total Income	<u>1,511.56</u>
Gross Profit	1,511.56
Expense	
60100 · Public Relations	
60101 · Awards	260.00
60102 · Contributions	<u>90.00</u>
Total 60100 · Public Relations	350.00
60900 · Business Expenses	
60901 · Sales Taxes	<u>13.70</u>
Total 60900 · Business Expenses	13.70
62800 · Facilities and Equipment	
62890 · Rent, Parking, Utilities	<u>34.05</u>
Total 62800 · Facilities and Equipment	34.05
65000 · Operations	
65050 · Telephone, Telecommunications	9.55
65060 · Merchant Service Fee-PayPal	<u>5.06</u>
Total 65000 · Operations	14.61
65100 · Other Types of Expenses	
65160 · Other Costs	<u>195.17</u>
Total 65100 · Other Types of Expenses	<u>195.17</u>
Total Expense	<u>607.53</u>
Net Ordinary Income	<u>904.03</u>
Net Income	<u><u>904.03</u></u>

Friends of St. Sebastian River

06/06/24

Balance Sheet

Accrual Basis

As of May 31, 2024

	May 31, 24
ASSETS	
Current Assets	
Checking/Savings	
10000 · Checking	
10020 · Without Donor Restrictions	10,921.88
10030 · With Donor Restirctions	
10031 · Geo Schum Memorial Fd	500.00
10033 · Archie Laird Memorial	585.00
10034 · Grants	422.54
Total 10030 · With Donor Restirctions	1,507.54
Total 10000 · Checking	12,429.42
10100 · Petty Cash	45.00
10200 · PayPal	587.41
10210 · Zeffy	340.00
Total Checking/Savings	13,401.83
Other Current Assets	
12000 · Undeposited Funds	210.00
12100 · Inventory Asset	
12110 · Puppets	300.50
12120 · Clothing	137.05
12130 · Miscellaneous Inventory	4.82
12140 · Hats	116.64
12100 · Inventory Asset - Other	1,321.01
Total 12100 · Inventory Asset	1,880.02
Total Other Current Assets	2,090.02
Total Current Assets	15,491.85
TOTAL ASSETS	15,491.85
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 · Accounts Payable	34.05
Total Accounts Payable	34.05
Other Current Liabilities	
25500 · Sales Tax Payable	26.05
Total Other Current Liabilities	26.05
Total Current Liabilities	60.10
Total Liabilities	60.10
Equity	
30000 · Opening Balance Equity	316.73
32000 · Unrestricted Net Assets	15,216.56
Net Income	-101.54
Total Equity	15,431.75
TOTAL LIABILITIES & EQUITY	15,491.85

Friends of St. Sebastian River
Reconciliation Detail
10000 · Checking, Period Ending 05/31/2024

Type	Date	Num	Name	Clr	Amount	Balance
Beginning Balance						12,703.75
Cleared Transactions						
Checks and Payments - 8 items						
Check	04/15/2024	1049	Alexis Solomon	X	-500.00	-500.00
Check	04/15/2024	1050	Mia Harrell	X	-500.00	-1,000.00
Check	05/02/2024	DC	Google	X	-3.14	-1,003.14
Check	05/04/2024	DC	Publix	X	-208.87	-1,212.01
Check	05/10/2024	1051	American Rivers	X	-40.00	-1,252.01
Bill Pmt -Check	05/10/2024	DC	FPL	X	-33.73	-1,285.74
Check	05/11/2024	DC	Ooma	X	-6.41	-1,292.15
Check	05/14/2024	1052	Roseland Communit...	X	-50.00	-1,342.15
Total Checks and Payments					-1,342.15	-1,342.15
Deposits and Credits - 5 items						
Transfer	05/01/2024			X	740.00	740.00
Transfer	05/04/2024			X	26.26	766.26
Deposit	05/10/2024			X	135.00	901.26
Sales Receipt	05/28/2024	1093	Charities Aid Found...	X	83.28	984.54
Sales Receipt	05/29/2024	1094	Charities Aid Found...	X	83.28	1,067.82
Total Deposits and Credits					1,067.82	1,067.82
Total Cleared Transactions					-274.33	-274.33
Cleared Balance					-274.33	12,429.42
Register Balance as of 05/31/2024					-274.33	12,429.42
New Transactions						
Checks and Payments - 1 item						
Check	06/02/2024	DC	Google		-3.60	-3.60
Total Checks and Payments					-3.60	-3.60
Deposits and Credits - 1 item						
Transfer	06/03/2024				340.00	340.00
Total Deposits and Credits					340.00	340.00
Total New Transactions					336.40	336.40
Ending Balance					62.07	12,765.82

Initiate Business CheckingSM

May 31, 2024 ■ Page 1 of 4



FRIENDS OF ST. SEBASTIAN RIVER, INC.
SEBASTIAN RIVER INC
PO BOX 284
ROSELAND FL 32957-0284

Questions?

Available by phone Mon-Sat 7:00am-11:00pm Eastern Time, Sun 9:00am-10:00pm Eastern Time:

We accept all relay calls, including 711

1-800-CALL-WELLS (1-800-225-5935)

En español: 1-877-337-7454

Online: wells Fargo.com/biz

Write: Wells Fargo Bank, N.A. (287)
P.O. Box 6995
Portland, OR 97228-6995

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A check mark in the box indicates you have these convenient services with your account(s). Go to wells Fargo.com/biz or call the number above if you have questions or if you would like to add new services.

Business Online Banking	<input checked="" type="checkbox"/>
Online Statements	<input checked="" type="checkbox"/>
Business Bill Pay	<input type="checkbox"/>
Business Spending Report	<input checked="" type="checkbox"/>
Overdraft Protection	<input type="checkbox"/>

Statement period activity summary

Beginning balance on 5/1	\$12,703.75
Deposits/Credits	1,041.56
Withdrawals/Debits	- 1,315.89
Ending balance on 5/31	\$12,429.42

Account number: [REDACTED]
FRIENDS OF ST. SEBASTIAN RIVER, INC.
SEBASTIAN RIVER INC

Florida account terms and conditions apply

For Direct Deposit use
Routing Number (RTN): 063107513

For Wire Transfers use
Routing Number (RTN): 121000248

Overdraft Protection

This account is not currently covered by Overdraft Protection. If you would like more information regarding Overdraft Protection and eligibility requirements please call the number listed on your statement or visit your Wells Fargo branch.



Transaction history

Date	Check Number	Description	Deposits/ Credits	Withdrawals/ Debits	Ending daily balance
5/2		Recurring Payment authorized on 05/01 Google Gsuite_Fss 650-2530000 CA S384122365700385 Card [REDACTED]		3.14	12,700.61
5/3		Zeffy US Zeffy US St-D6Z2F0K6U7U0 Friends of St Sebastia	740.00		
5/3	1050	Check		500.00	12,940.61
5/6		Purchase authorized on 05/04 Publix Super Mar 13435 US Sebastian FL P464125558874866 Card [REDACTED]		182.61	12,758.00
5/9		Fpl Direct Debit Elec Pymt 05/24 1232872117 Ppda Friends of St. Sebastia		33.73	12,724.27
5/10		Deposit Made In A Branch/Store	135.00		12,859.27
5/13		Recurring Payment authorized on 05/10 Ooma,Inc 888-711-6662 CA S304131695612749 Card [REDACTED]		6.41	12,852.86
5/17	1051	Check		40.00	12,812.86
5/21	1052	Check		50.00	12,762.86
5/28		Cybergrants-Cafa Cybergrant ACH_7582021 Friends of St Sebastia	83.28		
5/28	1049	Check		500.00	12,346.14
5/29		Cybergrants-Cafa Cybergrant ACH_7602655 Friends of St Sebastia	83.28		12,429.42
Ending balance on 5/31					12,429.42
Totals			\$1,041.56	\$1,315.89	

The Ending Daily Balance does not reflect any pending withdrawals or holds on deposited funds that may have been outstanding on your account when your transactions posted. If you had insufficient available funds when a transaction posted, fees may have been assessed.

Summary of checks written (checks listed are also displayed in the preceding Transaction history)

Number	Date	Amount	Number	Date	Amount	Number	Date	Amount
1049	5/28	500.00	1051	5/17	40.00	1052	5/21	50.00
1050	5/3	500.00						

Monthly service fee summary

For a complete list of fees and detailed account information, see the disclosures applicable to your account or talk to a banker. Go to wells Fargo.com/feefaq for a link to these documents, and answers to common monthly service fee questions.

Fee period 05/01/2024 - 05/31/2024	Standard monthly service fee \$10.00	You paid \$0.00
------------------------------------	--------------------------------------	-----------------

The bank has waived the fee for this fee period.

How to avoid the monthly service fee	Minimum required	This fee period
Have any ONE of the following each fee period		
• Average ledger balance	\$1,000.00	\$12,756.00 <input type="checkbox"/>
• Minimum daily balance	\$500.00	\$12,346.14 <input type="checkbox"/>

C1/C1



Merchant Account ID: [REDACTED]

PayPal ID: info@fssr.org

5/1/24 - 5/31/24

Statement for May 2024

Friends of St. Sebastian River, Inc.
PO Box 284
32957 Roseland

Balance Summary (5/1/24 - 5/31/24)

	Available beginning	Available ending	Withheld beginning	Withheld ending
USD	402.47	587.41	0.00	0.00



Merchant Account ID: [REDACTED]

PayPal ID: info@fssr.org

5/1/24 - 5/31/24

Activity Summary (5/1/24 - 5/31/24)

	USD
Beginning Available Balance	402.47
Payments received	190.00
Payments sent	0.00
Withdrawals and Debits	0.00
Deposits and Credits	0.00
Fees	-5.06
Ending Available Balance	587.41



Friends of St. Sebastian River <friendsofstsebastian@gmail.com>

RE: questions re landscaping while biking Indian River Drive

1 message

Katherine Booth <[REDACTED]>

Thu, Jun 6, 2024 at 10:19 AM

To: "info@fssr.org" <info@fssr.org>

Good morning, Tim, you're right that native plants are only "encouraged" and "preferable". I see that now. I had forgotten the content of the attached document, in which Dr. Baker and Graham Cox tried to revise multiple ordinance errors in 2021.

There is a tree requirement that 50% must be native. The Riverfront ordinance refers to this requirement in CH XIV https://library.municode.com/fl/sebastian/codes/land_development_code?nodeId=CHIIIPECR_ARTXIVTRPRLA so this at least can be brought to their attention.

Unfortunately, the ordinance doesn't specify that plants on the Florida invasive species list are prohibited for landscaping. Only that "undesirable exotic vegetation shall not be used in any way..."

https://library.municode.com/fl/sebastian/codes/land_development_code?nodeId=CHIIIPECR_ARTXIVTRPRLA_S54-3-14.4UNEXVE.

It seems that a genuine natural resources board should be willing to make these revisions? Katherine

From: Friends of St. Sebastian River <info@fssr.org>**Sent:** Wednesday, June 5, 2024 5:16 PM**To:** Katherine Booth <[REDACTED]>**Subject:** Re: questions re landscaping while biking Indian River Drive

Katherine,

Thanks for the references. The ordinance shows that it applies specifically to the "Riverfront Overlay District" which is something I would have to check to learn where that exactly is. It would appear that the wording doesn't require the use of any native plants, though. Sebastian certainly loves writing ordinances with no teeth in them!

Queen palms are definitely not native but I have never encountered any instances of them spreading or seeding themselves. As mentioned, the problem I'm seeing in my yard, and at the South Prong Preserve, is the spread of areca palms.

The issue of the lagoon front is beyond the scope of our mission specifically, but the overall issue of improving the landscaping ordinance in the City of Sebastian would certainly be. I will bring your concerns to our Board at our meeting next week and see if anyone is willing to work on this issue. At the very least, we should check with Audubon and the Natural Resources Board to see if there are efforts afoot.

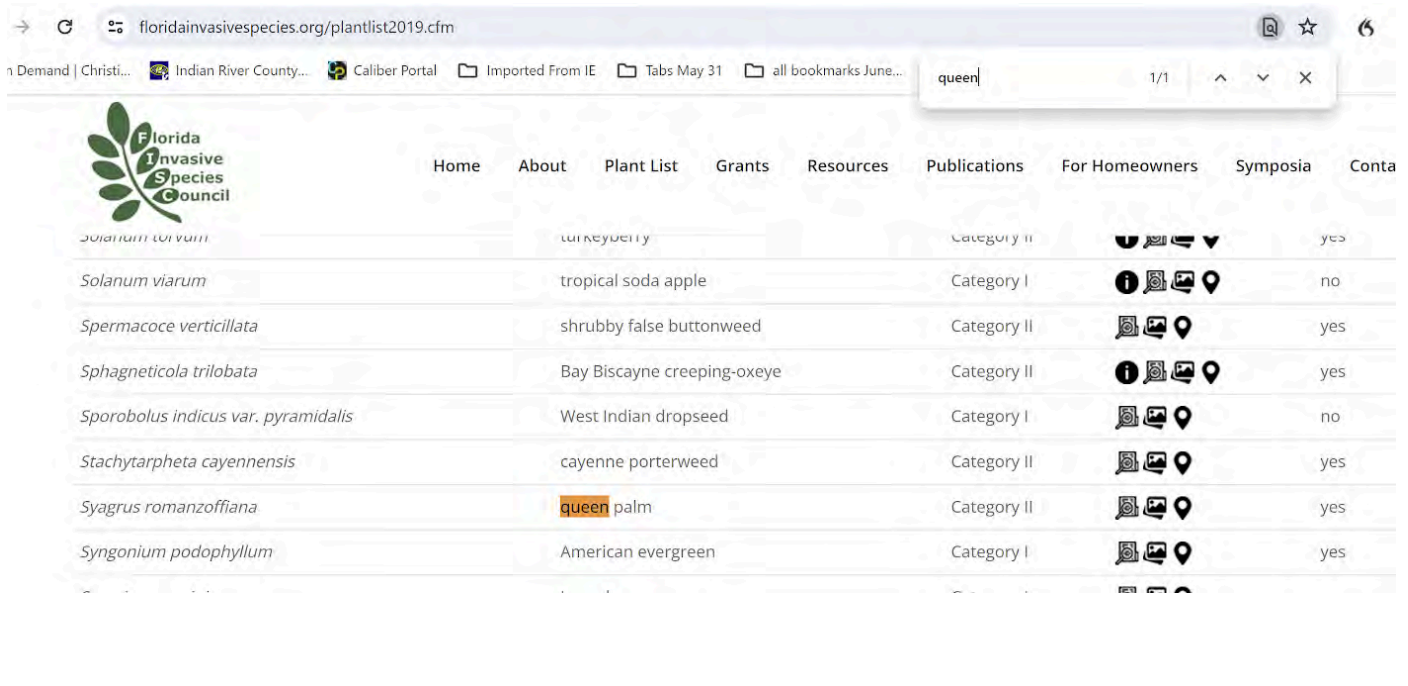
Thanks,

Tim

On Wed, Jun 5, 2024 at 8:02 AM Katherine Booth [REDACTED] > wrote:

Hi, Tim, here's the ordinance I'm referring to that is about native plant landscaping being required apparently including residential development: https://library.municode.com/fl/sebastian/codes/land_development_code?nodeId=CHIVPLRESU_ARTXXIPEOVDI_DIVARIOVDIRE_S54-4-21.A.7LARE. It's a very good ordinance if enforced.

This is the list of invasive plants I'm speaking of, indicating queen palms are not native, which would be unacceptable according to the above code. Hope you have some people interested in taking this on! Best regards, Katherine



From: Friends of St. Sebastian River <info@fssr.org>
Sent: Tuesday, June 4, 2024 8:44 PM
To: Katherine Booth [REDACTED]
Subject: Re: questions re landscaping while biking Indian River Drive

Katherine,

Just catching up with this email from you. Our Facebook Queen, Penny, mentioned someone contacted us through Facebook, asking the same questions, so I assume this was you.

I am certainly no expert on the ordinances in Sebastian but you have some good questions and hopefully one of us will have some time to look into this. I know in the past, Pelican Island Audubon was very involved in

improving the County's tree ordinance, but I thought they may have also been involved in Sebastian? I will check in with Richard Baker to see what he may remember.

Queen palms are definitely not native, but I'm almost certain they are not listed as "invasive." by the state. That list is very political and takes literally an act of Congress to get something on it! I do not have queen palms on my property but my neighbor does. In my observation, nothing touches the "nut" which is quite hard - I sometimes run into them when mowing their lawn for them in the summer. They seem like what I was familiar with as betel nut in the Pacific, which I believe is in the areca family. So I'm guessing nothing eats nor spreads the queen palm seeds around. I've never actually observed any new seedlings coming up from their nuts. In my yard, just in the last 10 years, I've started seeing issues with non-native palms coming up, apparently from something dispersing seeds. They are mostly the arecas, but I also believe the Senegal date palms are becoming an issue, as well.

The home at 1005 Indian River Dr. would certainly be in the City limits and should be required to comply with whatever the tree ordinance says. I'm not familiar with the property or how long the home has been completed. I believe it is usually customary to have to comply with such ordinances before you can get a Certificate of Occupancy. Another issue with those requirements is that I believe whatever is required to be planted, is supposed to be maintained for at least 5 years, somewhat guaranteeing that it will stay. But I'm sure there is little to no follow-up or enforcement.

I checked the Google roads view of the property at 1624 Indian River Dr., also in the City limits. Honestly I don't think the ordinance requires any more than what I saw - a few native palms and a Southern Magnolia. Building to the waterline/bulkhead is an issue. I'm not sure what the City's ordinance says about that.

As you observed, the tree ordinance is still pretty lacking. I believe Richard said Audubon is working at taking another stab at the County's landscaping ordinance. I will mention it to our board, and it would require a committee to work on this to recommend any improvements. In the City's case, we should work with the Natural Resources Board, and should at least check in with them to see if they have any efforts on this front. And coordination with Audubon is also a great idea so as to not cause conflicts with changes the County may consider.

Thanks again for your proactive interest in this issue. I can't say as we will find much time to work on this during the summer - we have several snowbirds.

Tim

On Thu, May 30, 2024 at 12:59 PM Katherine Booth [REDACTED] > wrote:

Hi, Tim, today my husband and I were biking Indian River Drive, and I noticed some things and wondered if you could provide answers? From my reading of Sebastian landscape ordinance, it mandates native plants along IRD:

1. Squid Lips has a lot of native plantings in their renovated building landscape—Yeah! But then planted queen palms at the edge of their landscape that goes down to the water line. Queen palms are invasive, and I'm surprised they were able to obtain them, although I realize they're not state

prohibited. And I'm surprised with the number of native plants, that the landscaper would put these in. ??

2. 1005 is a new home built out nearly to the property line except in the front. Not a tree or native plant in sight. ??
3. 1624 is a new home on the waterfront side nearly 100% non-native. Today I saw a man using a gas edger in front of the concrete bulkhead edging by the water line—too bad natural shoreline is not in the ordinance--obviously putting clippings into the Lagoon. ??

Thank you for all the good work you do to protect the Sebastian River (and Lagoon). I hope you and Friends can help address these.

Let's Be a Good Neighbor to the Lagoon,

Katherine Booth

Conservation Club

[19-207 Vista Gardens Trail](#)

[Vero Beach FL 32962](#)

[\(386\) 506-9477](#)

mprademacher@msn.com

RELATED POPULATIONS, NOT ISOLATED INDIVIDUALS: Moving from the idea of traditional planting to a designed plant community starts with letting go of the idea of plants as objects to be placed, like pieces of furniture. Instead, think about plants as groups of compatible species that interact with each other and the site. Planting in a Post-Wild World: Designing Plant Communities for Resilient Landscapes By Thomas Rainer and Claudia West



Landscape codes draft compare IRC, COVB, Sebastian to FNPS model ordinance 2021.docx
153K



BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING MAY 24 - MAY 30, 2024

Satellite imagery provided by NOAA - Images are impacted by cloud cover.

A value of 0.004 is nominally equivalent to approximately 20-30 ug/L chlorophyll a of cyanobacteria, and 0.06 would be in the 300-500 ug/L chlorophyll a range. Please keep in mind that bloom potential is subject to change due to rapidly changing environmental conditions or satellite inconsistencies (i.e., wind, rain, temperature or stage).

Caloosahatchee Estuary
May 29, 2024

The satellite imagery for the Caloosahatchee Estuary from 5/29 is partially obscured by cloud cover and shows no significant bloom potential in visible portions of the river or estuary.

Lake Okeechobee
May 30, 2024

The satellite imagery for Lake Okeechobee from 5/30 shows low to high bloom potential on approximately 50% of the lake, primarily along the entire shoreline of the lake.

St. Lucie Estuary
May 29, 2024

The satellite imagery for the St. Lucie Estuary from 5/29 is partially obscured by cloud cover and shows no visible bloom potential in visible parts of the river or estuary.

St. Johns River
May 30, 2024

The satellite imagery for the St. Johns River from 5/30 shows low to moderate bloom potential from Lake George downstream to Doctors Lake.

SUMMARY

There were 25 reported site visits in the past seven days with 25 samples collected. Algal bloom conditions were observed by samplers at 16 of the sites.

On 5/28 – 5/30, Florida Department of Environmental Protection (DEP) staff collected 11 harmful algal bloom (HAB) response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

Lake Dowling - Off Dock: *Microcystis aeruginosa*; trace level [0.86 parts per billion (ppb)] microcystins detected.

Lake Greenwood - West Shore: No dominant algal taxon; no cyanotoxins detected.

Weeki Wachee River - Rogers Park: No dominant algal taxon; no cyanotoxins detected.

Lake Cassidy - Center: *Arthrodesmus* sp.; no cyanotoxins detected.

Blanton Lake - South Lobe: *Microcystis aeruginosa*; no cyanotoxins detected.

Lake Marian - Near Breezeway Court: *Microcystis aeruginosa*; an estimated 2.0 ppb of microcystins detected.

Peace River - Arcadia: *Microcystis wesenbergii*; no cyanotoxins detected.

Peace River - Gardener: *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; no cyanotoxins detected.

Peace River - Wauchula: *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; no cyanotoxins detected.

C-17 Canal - Congress Avenue: Results pending.

Lake Yale – Near Center: Results pending.

On 5/28, South Florida Water Management District staff collected five HAB response and three routine monitoring HAB samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

Lake Okeechobee - S308C (lakeside): *Microcystis aeruginosa*; 2.3 ppb microcystins detected.

C44 Canal - S308C: *Microcystis aeruginosa*; trace level (0.49 ppb) microcystins detected.

L8 Canal - CULV10A: *Microcystis aeruginosa*; 24 ppb microcystins detected.

C43 Canal - S77 (upstream): *Microcystis aeruginosa*; no cyanotoxins detected.

C43 Canal - S78 (upstream): *Microcystis aeruginosa* and *Planktolyngbya limnetica* co-dominant; no cyanotoxins detected.

C43 Canal - S79 (upstream): *Microcystis aeruginosa* co-dominant; no cyanotoxins detected.

Lake Okeechobee – S352: Results pending.

Lake Okeechobee – S351: Results pending.

On 5/28 – 5/29, St. Johns River Water Management District (SJRWMD) staff collected 1 HAB response sample and five routine HAB monitoring samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

Dead Lake- Bull Creek Boat Ramp: *Microcystis aeruginosa*.

Blue Cypress Lake - Center: *Microcystis aeruginosa* and *Aphanizomenon flos-aquae* co-dominant; estimated 1.4 ppb microcystins detected.

Stick Marsh - North: No dominant algal taxon; no cyanotoxins detected.

Fellsmere Water Management Area - Center: *Microcystis aeruginosa*; no cyanotoxins detected.

Lake Monroe - Center: No dominant algal taxon; trace level (0.12 ppb) cylindrospermopsin detected.

Lake Jesup - Center: *Microcystis aeruginosa* and *Raphidiopsis raciborskii* (formerly *Cylindrospermopsis raciborskii*); no cyanotoxins detected.

Last Week

On 5/23, DEP staff collected 19 HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

Lake Gibson - West: *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; trace level (0.43 ppb) microcystins detected.

St. Lucie Canal - Army Corps Campground: No dominant algal taxon; no cyanotoxins detected.

Caloosahatchee River - Caloosahatchee Drive Canal: *Microcystis aeruginosa*; trace level (0.32 ppb) microcystins detected.

Lake Van: *Microcystis aeruginosa* and *Raphidiopsis raciborskii* (formerly *Cylindrospermopsis raciborskii*) co-dominant; 0.66 ppb cylindrospermopsin detected.

Scott Lake - West: *Microcystis wesenbergii*; no cyanotoxins detected.

C-17 Canal - Congress Avenue: *Dolichospermum circinale*; trace level (0.13 ppb) cylindrospermopsin detected.

Lake Conine - Boat Ramp: *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; trace level (0.50 ppb) microcystins detected.

Lake Hancock - South Central: *Microcystis aeruginosa* and *Planktolyngbya contorta* co-dominant; no cyanotoxins detected.

Cypress Lake - West Lobe: *Raphidiopsis acuminato-crispa* (formerly *Cylindrospermopsis acuminato-crispa*); no cyanotoxins detected.

Lake Minnehaha - East Dock: *Microcystis aeruginosa* and *Woronichinia naegeliana* co-dominant; trace level (0.37 ppb) cylindrospermopsin detected.

Lake Pearl - Park Dock: *Botryococcus braunii*; no cyanotoxins detected.

Caloosahatchee River - Little Canal: No dominant algal taxon; no cyanotoxins detected.

St. Lucie River - Harborage: No dominant algal taxon; no cyanotoxins detected.

Caloosahatchee River - Meade Canal: No dominant algal taxon; no cyanotoxins detected.

Lake Howell - Northwest Shore: *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; microcystins estimated to be 1.8 ppb and 0.68 ppb cylindrospermopsin detected.

Lake Arnold - North shore: *Raphidiopsis raciborskii* (formerly *Cylindrospermopsis raciborskii*); no cyanotoxins detected.

Hancock Creek - Seaside Key Court Canal: No dominant algal taxon; no cyanotoxins detected.

Lake Ellen - South Shore: *Raphidiopsis raciborskii* (formerly *Cylindrospermopsis raciborskii*); no cyanotoxins detected.

Lorraine Lake - West Shore: *Dolichospermum circinale*; 0.56 ppb cylindrospermopsin detected.

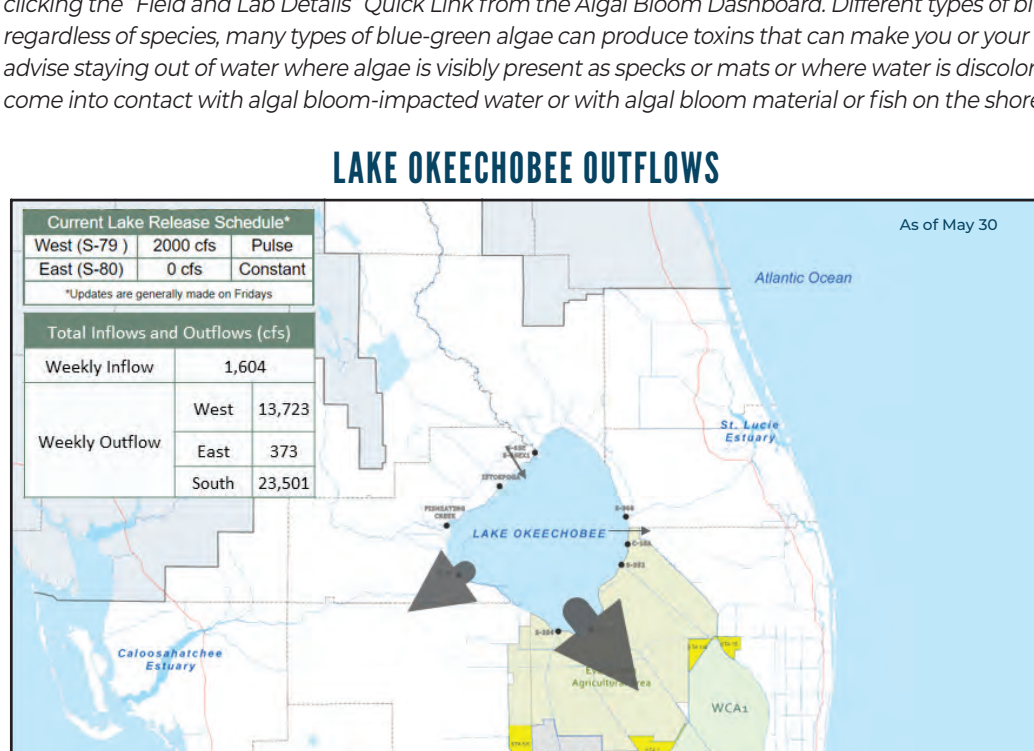
On 5/23, SJRWMD staff collected one HAB response sample.

Lake Washington – Center: No dominant algal taxon; no cyanotoxins detected.

Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

This is a high-level summary of the sampling events for the reported week. For all field visit and analytical result details, please refer to the complete algal bloom map with data table by clicking the "Field and Lab Details" Quick Link from the Algal Bloom Dashboard. Different types of blue-green algal bloom species can look different and have different impacts. However, regardless of species, many types of blue-green algae can produce toxins that can make you or your pets sick if swallowed or possibly cause skin and/or eye irritation due to contact. We advise staying out of water where algae is visibly present as specks or mats or where water is discolored pea-green, blue-green or brownish-red. Additionally, pets or livestock should not come into contact with algal bloom-impacted water or with algal bloom material or fish on the shoreline.

LAKE OKEECHOBEE OUTFLOWS



SITE VISITS FOR BLUE-GREEN ALGAE



SIGN-UP FOR UPDATES

To receive personalized email notifications about blue-green algae and red tide, visit



ProtectingFloridaTogether.gov

REPORT PUBLIC HEALTH ISSUES

HUMAN ILLNESS

Florida Poison Control Centers can be reached 24/7 at 800-222-1222 (DOH provides grant funding to the Florida Poison Control Centers)

OTHER PUBLIC HEALTH CONCERNS

CONTACT DOH
(DOH county office)



FloridaHealth.gov/all-county-locations.html

REPORT ALGAL BLOOMS

SALTWATER BLOOM

- Observe stranded wildlife or a fish kill.
- Information about red tide and other saltwater algal blooms.



CONTACT FWC

800-636-0511 (fish kills)
888-404-3922 (wildlife Alert)

MyFWC.com/RedTide

FRESHWATER BLOOM

- Observe an algal bloom in a lake or freshwater river.
- Information about blue-green algal blooms.



CONTACT DEP

855-305-3903 (to report freshwater blooms)

FloridaDEP.gov/AlgalBloom



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- Opportunity to select an E-Series speaker from the sponsor's organization.
- Acknowledgment before the show with a 2-minute speaking part or introduction by the Executive Director.
- Unlimited preferred seating at E-Series events.
- Presenting Sponsor mention on all marketing collateral: promotional handouts, press releases, social media platforms, and the Emerson website.
- Recognition in bi-monthly Emerson E-blasts, reaching over 6,600 patrons.
- Invitation for the sponsor to set up a vendor table at all E-Series events.
- Creation of a dedicated 'thank you' slide for the pre-event slideshow displayed before all 2025 Emerson Center events, reaching audiences of up to 850 patrons at each event.

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- Recognition as Engage sponsor on Emerson website and social media platforms.
- Creation of a dedicated 'thank you' slide for the pre-event slideshow displayed before all 2025 Emerson Center events, reaching audiences of up to 850 patrons at each event.
- Invitation for the sponsor to set up a vendor table at all E-Series events.

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- Creation of a dedicated 'thank you' slide for the pre-event slideshow displayed before all 2025 Emerson Center events, reaching audiences of up to 850 patrons at each event.
- Invitation for the sponsor to set up a vendor table at all E-Series events.

Entertain Sponsor-\$250

- Creation of a dedicated 'thank you' slide for the pre-event slideshow displayed before all 2025 Emerson Center events, reaching audiences of up to 850 patrons at each event.
- Invitation for the sponsor to set up a vendor table at all E-Series events.

If you would like to become a sponsor, please contact Patty Walker, Executive Director, by email at director@theemersoncenter.com or by phone at 772.480.4883.

Visit TheEmersonCenter.com for more information.

All sponsorships are greatly appreciated. Thank you!

