

FRIENDS OF ST. SEBASTIAN RIVER
BOARD OF DIRECTORS' MEETING AGENDA
TUESDAY, JANUARY 13, 2026 – 9:45am, 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. 4-9

PRESIDENT'S REPORT – Ryall house deck replacement

UNFINISHED BUSINESS

- 1) Adopt-a-Road – no response yet to request for assistance
- 2) St. Sebastian River road signs correction/replacement – pp. 10-11
- 3) Pontoon boat – acquisition/rental/donation, insurance cost? – pp. 12-13
- 4) Electric motor options – pp. 14-22
- 5) Electronic dissolved oxygen meter – pp. 23-24
- 6) Sebastian Chamber membership cost

NEW BUSINESS

- 1) Wood chipper donation – p. 25
- 2) Ryall property storage shed, ramps – pp. 26-27
- 3) Jeff Howe winning photo/Lagoon calendar, PaddleFest, May 2025 – p. 28

COMMITTEE REPORTS

Advocacy – Herrmann

- 1) SJRWMD permits – Saltwood (Pulte/Graves Bros.) #244915 – pp. 29-39
- 2) ACOE permits – none
- 3) City of Sebastian pesticide use in waterways, possible partnership with Pelican Island Audubon
- 4) Shiloh Ranch material dumping – p. 40

Education/Outreach – Bolton/Stephen

- 1) General Meetings – Jan. IRLT and presentation of Env. award, Mar. & May
- 2) Wimbrow Park/River manatee signs, FWC response – p. 41
- 3) Cypress Bend Preserve/pipefish habitat restoration project – need volunteers to help monitor
- 4) IR County Conservation workshop, Jan. 24, 9am-4pm – p. 42
- 5) ELC Lagoonapalooza, Jan. 24, clam touch tanks, sales?
- 6) City of Sebastian Natural Resources Board, Sustainable Sebastian 5-year plan, follow-up?
- 7) Sebastian Stormwater Park walking tour, Feb. 2, City, IR County, IRNA – p. 43

Financial – Greene

Governance – Herrmann, February BOD will be election of Officers

Information – Glover – no update

Membership – Herrmann, Dec. renewals- Holly Dill, Buzz Herrmann; new members – C. J. DeSantis, Ellie O'Neill, and Denise Nash

Publicity – Penny Phillips – p. 44

Volunteer – vacant

Round robin

Adjournment

ANNOUNCEMENTS

- 1) Next BOD meeting – Feb. 10, 9:45am, Ryall house
- 2) Ryall/South Prong Preserve volunteer days, Jan. 9, 23, 30, 9am
- 3) Emerson Center E-Series, Hubbs-SeaWorld, marine mammals, Jan. 20, 7pm
- 4) Roseland Women's Club/Community Park workday, Jan. 21, 9 to 11am, continues third Wed. thru May 2026
- 5) ELC Lagoonapalooza, Jan 24, 2026, 10am to 5pm
- 6) IRNA luncheon, Jan. 28, 11:30am, Bethel Creek House, 4405 A1A, Vero Beach, RSVP-<https://indianriverna.com/lunch>
- 7) Brevard IR Lagoon Coalition benefit concert, Titusville, Feb 4, 7pm – pp. 45-46
- 8) Roseland Women's Club Giving Hearts Market, Feb. 7, 9am-2pm – p. 47
- 9) ChoZen Market, Feb 8, 10am to 4pm, next March 8
- 10) City of Sebastian Natural Resources Board, air potato round-up, Feb. 14, 2026, (Englar stormwater park?)
- 11) ChoZen Earth Day event, April 17-19 – pp. 48-49
- 12) City of Sebastian Earth Day Celebration, April 18
- 13) Pelican Island Audubon/IRNA sustainability event, April 25?

**FRIENDS OF ST. SEBASTIAN RIVER
BOARD OF DIRECTORS MEETING AGENDA
TUESDAY, DEC. 9, 2025-9:45 AM, RYALL HOUSE, SO. PRONG PRESERVE**

CALL TO ORDER/ATTENDANCE--Pres. Glover called the meeting to order at 9:52 am. Present were Herrmann(vice-pres.), Greene(treas.), and Peterson(secy.) by phone. Also present were directors Stephen and Zingman. Director Bolton had an excused absence.

CALL FOR ADDITIONS/DELETIONS TO AGENDA--none

MINUTES FROM PREVIOUS MEETING(S)(AP, pp.2-3)--Herrmann made a motion, seconded by Greene, that the Minutes from the Nov. 11, 2025 BOD meeting be approved; all voted in favor.

TREASURER'S REPORT(AP, pp.4-7)--Herrmann made a motion, seconded by Stephen, that the report for Nov. 30, 2025 be accepted for audit; all voted in favor.

PRESIDENT'S REPORT: 1) Glover reported that the deck replacement should occur sometime early in the new year 2)ELAP-Linus property--our nomination was ranked the highest of any nomination in the County.

UNFINISHED BUSINESS

- 1) Adopt-a-Road--no response yet for assistance
- 2) St. Sebastian River road signs replacements--Glover will follow up with County re receiving a bill to pay for replacements.
- 3) Pontoon boat--discussion ensued. Stephen knows a man named Glen in Sebastian who lives by the water and has offered us a donation of his boat, which seats four. We will have to see it in person first. Where to park it is also an issue.
- 4) Electronic dissolved oxygen meter(AP, pp.8-10)--discussion ensued. Must it be certified? Needs more research. Glover will meet with Stephen and Widder on how best to make use of it.

NEW BUSINESS--Herrmann made a motion, seconded by Stephen, that we become members of the Sebastian Chamber of Commerce for an annual fee of \$220; all voted in favor.

COMMITTEE REPORTS

Advocacy-Herrmann

- 1) SJRWMD permits-none
- 2) ACOE permits-none
- 3) Fellsmere -Headwaters Heritage and Cultural Center, Fellsmere Grade, City Council presentation Nov. 19, excerpts(AP, pp.11-14)--Glover was unable to attend the meeting.
- 4) City of Sebastian pesticide use in waterways, possible partnership with PIA

Education/Outreach-Bolton/Stephen

- 1) General Meetings--Jan. IRLT and presentation of Env. award; we hope to hear from Ken Grudens more about the St. Sebastian River Greenway and land acquisitions on the River. March and May speakers still to be determined.
- 2) Wimbrow Park/River manatee signs--Stephen offered to check with Save the Manatee Club and to contact the state DEP for signage info.
- 3) St. Sebastian River Greenway Nov. meeting, Master Plan draft (AP, pp.15-17)
- 4) St. Sebastian River Preserve State Park swamp buggy tour update--Glover reported that new state regs. prohibit us from using the buggy, nor is Justin permitted to speak to us formally.
- 5) Cypress Bend Preserve/pipefish habitat restoration project--need volunteers to help monitor
- 6) ChoZen Artisan Market, second Sunday, Oct. to May, 10am-4pm. Herrmann, Stephen, and Glover will volunteer on Dec. 14th. (AP, pp.18-19)
- 7) ELC Lagoonapalooza, Jan. 24. We are registered to participate with clam touch tanks, etc. on inner field.
- 8) City of Sebastian Natural Resources Board, Sustainable Sebastian 5-year plan (AP, pp. 20-25)

Financial-Greene reported that we currently have 3 \$10,000 CD's. He is working on an insurance update. Will we need an insurance rider on the pontoon boat if we accept it?

Governance-Herrmann-none

Information-Glover-no update

Membership-Herrmann, Dec. renewals-Holly Dill, Buzz Herrmann; new members- C.J. DeSantis, Ellie O'Neill

Publicity-Penny Phillips sent stats. similar to November.

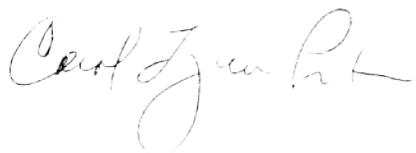
Volunteer-vacant

Round Robin--Peterson thanked Herrmann for hosting a holiday party at his home on Dec. 20th for Board members; Glover will meet with Hinkle of Shiloh Ranch re dumping of biosolids on his property, possibly without county inspection?

Adjournment--Herrmann made a motion to adjourn the meeting at 11:02 am, seconded by Greene. all voted in favor.

Next BOD meeting is Tuesday, January 13, 2026 at 9:45 am, Ryall House

Respectfully submitted,



Carol Lynn Peterson
FSSR Secretary

Friends of St. Sebastian River

01/09/26

Profit & Loss

Accrual Basis

December 2025

	<u>Dec 25</u>
Ordinary Income/Expense	
Income	
43400 · Direct Public Support	
43450 · Individ, Business Contributions	1,314.00
Total 43400 · Direct Public Support	1,314.00
45000 · Investments	
45030 · Interest-Savings, Short-term CD	91.03
Total 45000 · Investments	91.03
47200 · Program Income	
47230 · Membership Dues	75.00
Total 47200 · Program Income	75.00
49000 · Sales	
49010 · Puppets	252.35
49020 · Clothing	74.76
49030 · Miscellaneous	20.56
Total 49000 · Sales	347.67
Total Income	1,827.70
Cost of Goods Sold	
50000 · Cost of Goods Sold	
50010 · Puppets	145.78
50020 · Clothing	7.95
50030 · Miscellaneous	5.00
50000 · Cost of Goods Sold - Other	82.16
Total 50000 · Cost of Goods Sold	240.89
Total COGS	240.89
Gross Profit	1,586.81
Expense	
62800 · Facilities and Equipment	
62890 · Rent, Parking, Utilities	34.15
Total 62800 · Facilities and Equipment	34.15
65000 · Operations	
65020 · Postage, Mailing Service	231.56
65050 · Telephone, Telecommunications	10.78
65060 · Merchant Service Fee-PayPal	5.27
Total 65000 · Operations	247.61
65100 · Other Types of Expenses	
65160 · Other Costs	260.00
Total 65100 · Other Types of Expenses	260.00
Total Expense	541.76
Net Ordinary Income	1,045.05
Net Income	<u>1,045.05</u>

Friends of St. Sebastian River

01/09/26

Balance Sheet

Accrual Basis

As of December 31, 2025

	Dec 31, 25
ASSETS	
Current Assets	
Checking/Savings	
10000 · Checking	
10020 · Without Donor Restrictions	11,335.85
10030 · With Donor Restirctions	
10031 · Geo Schum Memorial Fd	500.00
10033 · Archie Laird Memorial	585.00
10034 · FNPS-Craddock grant	422.54
Total 10030 · With Donor Restirctions	1,507.54
Total 10000 · Checking	12,843.39
10100 · Petty Cash	45.00
10210 · Zeffy	1,055.00
10220 · Wells Fargo CD 03/11/26	10,482.85
10221 · Wells Fargo CD 04/02/2026	10,334.41
10222 · Wells Fargo CD 03/05/2026	10,032.26
Total Checking/Savings	44,792.91
Other Current Assets	
12000 · Undeposited Funds	499.00
12100 · Inventory Asset	
12110 · Puppets	311.50
12120 · Clothing	137.05
12140 · Hats	116.64
12100 · Inventory Asset - Other	1,762.36
Total 12100 · Inventory Asset	2,327.55
Total Other Current Assets	2,826.55
Total Current Assets	47,619.46
TOTAL ASSETS	47,619.46
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 · Accounts Payable	34.15
Total Accounts Payable	34.15
Other Current Liabilities	
25500 · Sales Tax Payable	81.95
Total Other Current Liabilities	81.95
Total Current Liabilities	116.10
Total Liabilities	116.10
Equity	
30000 · Opening Balance Equity	316.73
32000 · Unrestricted Net Assets	38,313.69
Net Income	8,872.94
Total Equity	47,503.36
TOTAL LIABILITIES & EQUITY	47,619.46

Friends of St. Sebastian River
Reconciliation Detail
10000 - Checking, Period Ending 12/31/2025

Type	Date	Num	Name	Clr	Amount	Balance
Beginning Balance						12,248.94
Cleared Transactions						
Checks and Payments - 6 items						
Check	12/02/2025	DC	Google	X	-4.20	-4.20
Check	12/06/2025	1067	US Post Office	X	-188.00	-192.20
Bill Pmt -Check	12/10/2025	DC	FPL	X	-35.37	-227.57
Check	12/11/2025	DC	Ooma	X	-6.58	-234.15
Bill Pmt -Check	12/22/2025	DC	Folkmanis	X	-429.81	-663.96
Check	12/23/2025	DC	Sebastian River Are...	X	-260.00	-923.96
Total Checks and Payments					-923.96	-923.96
Deposits and Credits - 5 items						
Sales Receipt	11/25/2025	1225	Ellie O'Neill	X	15.00	15.00
Sales Receipt	11/25/2025	1224	C J Desantis	X	20.00	35.00
Sales Receipt	11/25/2025	1223	Baker	X	1,000.00	1,035.00
Transfer	12/08/2025			X	281.68	1,316.68
Transfer	12/22/2025			X	201.73	1,518.41
Total Deposits and Credits					1,518.41	1,518.41
Total Cleared Transactions					594.45	594.45
Cleared Balance					594.45	12,843.39
Register Balance as of 12/31/2025					594.45	12,843.39
New Transactions						
Checks and Payments - 3 items						
Check	01/02/2026	DC	Google		-4.20	-4.20
Check	01/08/2026	DC	Home Depot		-28.75	-32.95
Check	01/08/2026	1068	Roseland Women's ...		-25.00	-57.95
Total Checks and Payments					-57.95	-57.95
Deposits and Credits - 2 items						
Transfer	01/04/2026				500.00	500.00
Transfer	01/04/2026				555.00	1,055.00
Total Deposits and Credits					1,055.00	1,055.00
Total New Transactions					997.05	997.05
Ending Balance					1,591.50	13,840.44



Statement period activity summary

Beginning balance on 12/1	\$12,248.94
Deposits/Credits	1,518.41
Withdrawals/Debits	- 923.96
Ending balance on 12/31	\$12,843.39

Account number: (primary account)
 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

<i>Date</i>	<i>Check Number</i>	<i>Description</i>	<i>Deposits/Credits</i>	<i>Withdrawals/Debits</i>	<i>Ending daily balance</i>
12/2		Recurring Payment authorized on 12/01 Google *Workspace_ CC@Google.Com CA S305335439623959 Card		4.20	12,244.74
12/8		eDeposit IN Branch 12/06/25 11:41:18 Am 1524 US Hwy 1 Sebastian FL	1,035.00		
12/8		Paypal Transfer 251206 1046729704047 Friends of St. Sebasti	281.68		13,561.42
12/9		Fpl Direct Debit Elec Pymt 12/25 1232872117 Ppda Friends of St. Sebasti		35.37	13,526.05
12/11		Recurring Payment authorized on 12/10 Ooma,Inc 888-711-6662 CA S385344695331435 Card		6.58	13,519.47
12/15	1067	Check		188.00	13,331.47
12/19		Paypal Transfer 251219 1047045062911 Friends of St. Sebasti	201.73		13,533.20
12/22		Purchase authorized on 12/19 Folkmanis, Inc. 510-6587677 CA S585353742174773 Card		429.81	13,103.39
12/23		Recurring Payment authorized on 12/22 Sebastian* Inv-921 WWW.Sebastian FL S585356520682844 Card		260.00	12,843.39
Totals			\$1,518.41	\$923.96	

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)

<i>Number</i>	<i>Date</i>	<i>Amount</i>
1067	12/15	188.00

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 wellsfargo.com/feefaq for a link to these documents, and answers to common monthly service fee questions.

Fee period 12/01/2025 - 12/31/2025	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		



Merchant Account ID:

PayPal ID: info@fssr.org

12/1/25 - 12/31/25

Statement for December 2025

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

Balance Summary (12/1/25 - 12/31/25)

	Available beginning	Available ending	Withheld beginning	Withheld ending
USD	281.68	0.00	0.00	0.00



Merchant Account ID:

PayPal ID: info@fssr.org

12/1/25 - 12/31/25

Activity Summary (12/1/25 - 12/31/25)

	USD
Beginning Available Balance	281.68
Payments received	207.00
Payments sent	0.00
Withdrawals and Debits	-483.41
Deposits and Credits	0.00
Fees	-5.27
Ending Available Balance	0.00



**Indian River County
Traffic Department
Operations Division**

Page# 1 of 1

C

Markings Cost Form

MATERIALS

Department:	Public Work - Traffic Engineering
Location:	St. Sebastian River South Signs
Date:	
Account #	

Type	Qty	Rate	Total
Fabricated Sign 48x18in	2	\$60.58	\$121.16
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
Subtotal			\$121.16

LABOR

Fabrication (Per Sign, Per Established Averages)

Hours	Rate	Total
1.5	23.49	\$35.24

Name	Hours	OT (Y/N)	Burden Rate	Total
Sign Technician	1	N	\$22.11	\$22.11
Sign Technician	1	N	\$20.90	\$20.90
				\$43.01

EQUIPMENT

Type	Hours	Rate	Total
Truck	1	\$25.41	\$25.41
Print Equipment	1.5	\$5.50	\$8.25
Subtotal			\$33.66

Grand Total: \$233.07

Nov 14, 2025 at 2:18:19 PM
N 27° 46' 9", W 80° 30' 22"
59° NE

Sebastian Blvd
Sebastian FL 32958

St. Sebastian River
South Prong







[Outboard Motors By Brand](#)



[View All >](#)

[Home/All Boats By Type/Small Pontoon Boats/Laker 610 Camper Electric Package](#)



click to enlarge image



Laker 610 Camper Electric Package

Item# LBCE720PM160

Average Customer Rating: ★★★★★ (5 out of 5 based on 1 reviews)

[1 Review\(s\)](#) | [Write a Review](#)

Sale Price: **\$8,599.00** MSRP: ~~\$10,669.00~~

Filled in Rail Color: **Please Select** ▼

Swivel Cushioned Seats: None ▼

Additional Options: None ▼

Bimini Top Color: **Please Select** ▼

Rear Motor: 12V 55lb. Thrust Minn Kota E ▼

Front Motor: None ▼

Trailer: None ▼

Factory Shipping: **Click here to pick freight ty** ▼

Availability: Estimated 2-3 weeks

Qty: **Add to Cart**

Product Description

The Laker 610 Camper Electric is all-aluminum construction w/spray-on, non-skid decking (truck bed liner style). Extruded aluminum decking, with 1.25" square aluminum rails and .090 gauge pontoons. Pontoons are all welded with two chambers and bolted on. This package will get you on the water at an affordable price. For technical specifications, standard features and options that are included, see below. Shown with optional trailer, ladder and battery power box. Camping chairs are not included! If a trailer is purchased with package the overall dimensions are 18'8"L x 6'10"W x 7'6"H w/ bimini top in down position as shown above. Length can be shortened by approximately 11" by moving the winch stand forward. You can also purchase a breakaway tongue and take an additional 3' off of the length. Handle on the front of trailer is 7 foot tall, so if you drop the bimini top off of the brace kit, top will drop 12", but the handle limits you to 7' tall. All pictures and video's of Laker Pontoons are shown with options because they are custom built to order.

Features

-  [All Aluminum Construction \(no wood / no rot\)](#)
-  [Two large volume 3 chambered welded .090 thick bolt on aluminum square pontoons](#)
-  [Double layered aluminum beach contact points / skid plate](#)
-  [4 Tie off cleats](#)
-  [C Channel all aluminum deck](#)

-  [Transducer Mount for future depth finder](#)
-  [hardware for future swim ladder install](#)
-  [Extra strong welded on bow eye](#)
-  [Tiller style electric rear engine mount w/ strap points](#)
-  [Durable non slip truck bed liner style floor coating](#)
-  [Pressure Check Valves / 2 per pontoon](#)
-  [Pontoon Splash Guards / 1 per pontoon](#)

Options Included:

-  [24 inch Aluminum Rails w/18 inch Fill-Ins](#)
-  [Bimini Top](#)
-  [55lb Tiller Minn Kota Endura Max Trolling Motor](#)
-  [Deep Cycle Marine Battery](#)
-  [Power Station Battery Box](#)
-  [1 Bank Onboard Charger](#)

(camping chairs and trailer are not included)

[View Laker Delivery Information](#)

Boat Specifications

Specification	Details
Length	13'10"
Width	6'
Pontoons	17"x16.75" Square Pontoons
Persons Capacity	4 or 720 lbs
Persons, Motor & Gear Capacity	1100 lbs
HP Rating	10 HP w/ 20" Shaft
Weight	560 lbs
Inside Deck Size	6'x10'
Rail Height	24"
Warranty	5 Year Limited Warranty



EP-9.9 Electric Outboard

\$3,450.00

0% APR or as low as \$120/mo with [affirm](#). [See if you qualify](#)

Comparable HP:9.9HP

Voltage:48 Volts

Suggested Battery Package Options:

AGM – Victron – 12V / 110Ah (4 batteries)

Solid State – 48V / 120Ah (6.0kWh) (1 battery)



[Looking to purchase an Efoil? Check out our Guide!](#)

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ePropulsion Navy 3.0 Evo – Navy 6.0 Evo Electric Outboard Motor

Starting at: \$3,499.00

The Navy Series is the core of ePropulsion's electric outboard motors, offering efficient and eco-friendly power for aluminum fishing boats, dinghies, daysailers, and cruising sailboats in both saltwater and freshwater. With direct-drive technology, it ensures quiet operation, low maintenance, and high reliability.

Key Features:

- Emission-Free – No Maintenance Required
- Fast and Efficient Power – Immediate Torque
- Advanced User and System Safeguards
- Smart Instructions with LED Display
- Battery Management System
- Rapid Charging – Fully Charged in 3 Hours
- Corrosion-Resistant – Built for Saltwater Environments
- 2 Year Warranty

Motor Size

3.0 Evo (6hp)

Shaft Length

Short Shaft (25.2")

Throttle Control

Evo Side Mount Control (+\$573.85)

[Clear](#)

\$4,072.85

1

Add to cart

SKU: NE-3000

Category: [ePropulsion](#)

Tags: [epropulsion](#), [ePropulsion 6.0 Navy Evo](#), [epropulsion dealer fort lauderdale](#), [ePropulsion Navy 3.0 Evo](#), [epropulsion Navy Series Electric Outboard Motor](#)

ePropulsion Navy 3.0 Evo Electric Outboard Motor

ePropulsion Navy 6.0 Evo Electric Outboard Motor

Navy Series Electric Outboard Motor

Hydrogeneration –
Low Maintenance – Direct Drive



OUR NEXT STEP FORWARD IN MARINE INNOVATION

Innovation is our legacy. Sustainability is our commitment. Across all our product lines, we're working to redefine marine propulsion in ways that leave a positive impact on the environment. Electrification is one more step in our journey.



Zero Direct Emissions

Avator propulsion systems make boating possible with no exhaust fumes and zero direct emissions.



Managing Our Impact

Each Avator outboard is crafted with many components that are recyclable or reusable.



Connect with Nature

Advanced electric systems reduce noise and vibration, letting you fully immerse in the natural world around you.

AVATOR 20e / 35e

TRANSFORM ORDINARY DAYS INTO ADVENTURES

Avator 20e and 35e electric outboards are engineered to empower your perfect day. Modular batteries make it easy to customize your propulsion system for wherever your imagination leads you.



MODULAR BATTERIES

Connect up to four 2300Wh batteries for optimal range and runtime.

POWER CENTER

This central hub distributes power throughout the system.

DRIVE

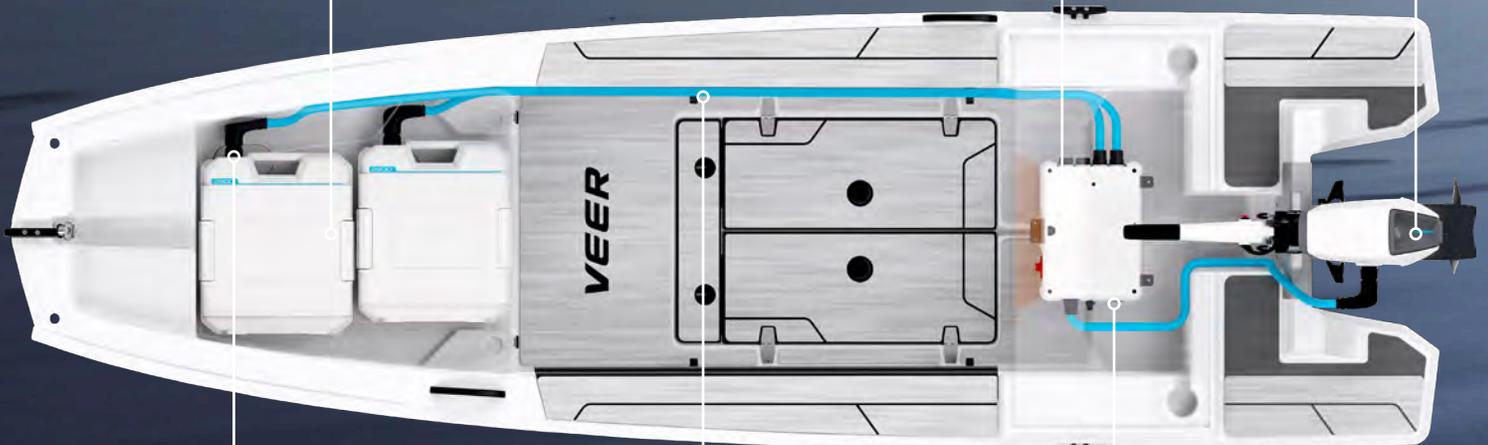
TOOLLESS CONNECTIONS

Twist each power cable's connector collar to lock the cable in place with a watertight connection.

POWER CABLES

CHARGING PORT

Charge up to four batteries at once.





Acceleration

On a 12-foot Lund WC-12 boat, the 20e model can accelerate similar to a 5hp four-stroke outboard, while the 35e model can accelerate similar to a 9.9hp four-stroke.



Runtime

20e with 1 2300Wh Battery – Up to 16 Hours of Runtime
35e with 2 2300Wh Batteries – Up to 18 Hours of Runtime

Based on testing with a 12-foot Lund WC-12 boat.

Ratcheting Quick-Tilt

One-handed tilt adjustments make dialing in performance easy.



CHOOSE YOUR CHARGE

2300Wh BATTERY

Charger	Approx. Charge Time
230W	~10 hours
520W	~4.5 hours

AVATOR™ SPECIFICATIONS



Batteries & Chargers



MODEL	7.5e	20e	35e
Input Power	916W	3081W	4467W
Rated Prop Shaft Power	750W	2200W	3700W
Rated Voltage	48V	48V	48V
Battery	Integrated 1030Wh	Remote 2300Wh	Remote 2300Wh
Battery Type	Lithium nickel manganese cobalt	Lithium nickel manganese cobalt	Lithium nickel manganese cobalt
Battery IP Rating	IP67	IP67	IP67
Compatible Chargers	110W (Included) 230W (Available) 520W (Available)	230W (Available) 520W (Available)	230W (Available) 520W (Available)
*Total Weight (Excluding Battery & Transom Bracket)	37lbs (16.7kg)	41lbs (18.4kg)	41lbs (18.6kg)
*Total Weight (Excluding Battery)	43lbs (19.5kg)	47lbs (21.1kg)	47lbs (21.3kg)
Battery Weight (1kWh)	17lbs (7.6kg)	48lbs (21.7kg)	48lbs (21.7kg)
Steering	Tiller or remote	Tiller or remote	Tiller or remote
Standard Propeller	12.7 in x 7 pitch	12.7 in x 7 pitch	12.7 in x 7 pitch
Shaft Lengths	15 in (381mm) 20 in (508mm) 25 in (635mm)	15 in (381mm) 20 in (508mm) 25 in (635mm)	15 in (381mm) 20 in (508mm) 25 in (635mm)

*Weight: Lightest tiller handle model, includes propeller.

From: [Jessica Cline](#)
To: [Mara Skadden](#)
Cc: [Tim Glover](#)
Subject: Re: DO sensor
Date: Monday, December 8, 2025 11:34:53 AM
Attachments: [FLDEP FT 1500 -Dissolved Oxygen.docx.pdf](#)

Hi Tim,

This is the cheapest one we've have been able to find that still meets the DEP's accuracy/resolution requirements. There is some maintenance involved with zero solution and replacement membranes, but I believe the main kit comes with what you'd need to start.

I've also attached the DEP's field DO SOP, so you can see what their requirements are to do any other research.

https://www.testequipmentdepot.com/milwaukee-mw600-dissolved-oxygen-meter-00-199-ppm-o2i.html?gad_source=4&gad_campaignid=17347688867&gbraid=0AAAAAD_wb-vkmeB4hmqE-rzAO46grhUpX

On Mon, Dec 8, 2025 at 11:22 AM Mara Skadden <mara@mcirl.org> wrote:

Tim,

My colleague Jessica has been doing extensive research on this for our LagoonWatch program. I've included her here so she can chime in. Thanks!

Mara Skadden, M.S.
Director of Science
www.lovetheirl.org
(321) 725-7775

On Sun, Dec 7, 2025 at 12:19 PM Tim Glover <tcglover@comcast.net> wrote:

Mara,

One of our FSSR board members has suggested we ought to get a dissolved oxygen sensor so that we can use it on the river on occasional visits. We are also considering the option of a boat. So I briefly looked online to see how expensive the DO sensors are and there are a myriad of them, form very cheap, to rather expensive. It seems to me that it isn't really worth bothering with if whatever info we come up with is not useable for anything. In other words, I'm wondering if there is some certification required for the equipment for any result to be accepted by someone like the DEP or the EPA? I came across a certification of NIST for one of the sensors but think it was a couple thousand dollars. What can you tell me about DO sensors and what we would need to look for if we consider buying one.

Item model	Price	Sensor type-polarographic or galvanic electrode required	ASTM D888 standard, mg/L range 0.05 to 20	Sensor accuracy, +/- 0.2 mg DO/L	Automatic temp correction, or manual	NIST-traceable Celsius thermometer, 0.1° from 0 to 100°C
AZ-86021	\$298		0 to 30	0.3	auto	0 to 50
Cole-Parmer YSI 605002	\$814	probe separate	ppm units		auto	-5 to 50
Extech DO600	\$309		0 to 20	0.4	auto	-5 to 50
Extech SDL150	\$699	polarographic	0 to 20	0.4	auto	0 to 50
Lutron DO-5510	\$359		0 to 20		auto	0 to 50
Milwaukee Instruments MW600	\$319	polarographic	0.0 to 19.9	0.3	auto	0 to 50
Milwaukee Instruments MW605	\$834	galvanic	0 to 45	0.3	auto	-20 to 120
SISCO Dissolved Oxygen Pen	\$259	?	0 to 20	0.4	manual	0 to 50
SPER Scientific 850045	354	?	0 to 20	0.4		0 to 50
SPER Scientific 850081	452		0 to 20	0.4	auto	0 to 50
Thermo Scientific Orion Star A123	1773	polarographic	0 to 20	0.2	auto	0 to 50
Tilswall ATC	90	?	0 to 40	?	auto	0 to 50



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Warranty

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Engine HP

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Product Documents

Specifications

Q&As

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DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS
FOR
SALTWOOD

PULTE HOME COMPANY, LLC, a Michigan limited liability company, the present fee title owner of the property legally described in Exhibit “A-1” hereto, hereinafter called “Developer,” to its grantees, successors and assigns and all future owners of Parcels located in “Saltwood”, as more particularly described in Exhibit “A” attached hereto and made a part hereof, hereby makes the following Declaration of Covenants, Conditions and Restrictions.

It is the intent of the Developer to ultimately develop the real property, as described in Exhibit “A,” as a planned unit development named “Saltwood”, consisting of up to 1,500 residential dwellings. Upon recording this Declaration, the Developer hereby subjects the real property described in Exhibit “A-1” to the terms and conditions of this Declaration. The Developer reserves the right to amend this Declaration in order to subject additional portions of the real property described in Exhibit “A” to the terms of this Declaration, provided that the Developer has acquired title to such real property or the owner of such real property consents and joins in the Declaration. The Developer shall not be obligated to subject any additional portions of the real property described in Exhibit “A” to the terms of this Declaration, nor is the Developer obligated to subject them in any particular order. **This Declaration shall not constitute a lien or encumbrance against any additional portions of the real property unless and until an amendment subjecting same to the terms of this Declaration is recorded in the Public Records of Indian River County, Florida.**

In the event the Developer does not subject any additional portion of the real property described in Exhibit “A” to this Declaration, the Developer hereby reserves the right, on behalf of its successors and assigns, to grant the owners of residential dwellings in the real property described in Exhibit “A” which is not subjected to this Declaration, the right to use the Common Area and to have the same easement rights with respect to the real property that is subjected to this Declaration, all upon such terms as the Developer may impose in an agreement recorded in the Public Records of Indian River County, Florida. In addition, in the event that the Developer mortgages any portion of the real property described in Exhibit “A” and subsequently defaults in its obligations under the mortgage, purchasers of residential dwellings in the mortgaged property (whether before or subsequent to a foreclosure of such mortgage or a deed in lieu of foreclosure), shall have the right to use the Common Area (including amenities located thereon) and have the same easements rights with respect to the real property subjected to this Declaration, provided that they share equally in the operation and maintenance expenses (including funding of reserves, if any) at the same levels and amounts as owners of residential dwellings in the real property subjected to this Declaration, and are subject to the same lien rights for failure to pay such expenses and all applicable covenants and rules applicable to use of the Common Areas (including amenities located thereon).

The Developer reserves the right to amend this Declaration in order to remove real property that it owns from the terms of this Declaration, provided that it shall not have the authority to remove Common Area that has been improved by a structure intended for recreational purposes, if any. In the event the Developer removes real property from the terms of this Declaration (“Removed Property”), the Developer hereby reserves the right, on behalf of its successors and assigns, to grant the owners of residential dwellings in the real property that has been subjected to and/or removed from the terms of this Declaration, use and easement rights to all or portions of the Removed Property and/or the Common Area, all upon such terms as the Developer may impose in an agreement recorded in the Public Records

Section C: Supplemental Information for Works or Other Activities In, On, or Over Wetlands and/or Other Surface Waters

Instructions: **This section is for applications that do not involve activities associated with an individual single-family residence, duplex, triplex, or quadruplex. For those activities, please use Section B.** This form is to be completed if the proposed work or activity will occur in, on, over, or within 25 feet of a wetland or other surface water. The supplemental information required by this section is in addition to the information required by Section A of the application.

Part 1: Wetland or Other Surface Water Impact Summary

1. Describe the basic purpose of the project or activity: **Construction of a mixed-use Planned Unit Development and associated infrastructure.**
2. Total area of work (dredging, filling, construction, alteration, or removal) in, on, or over wetlands or other surface waters: sq. ft.; **47.506 ac. Other Surface Waters only. No wetland impacts proposed.**
3. Total volume of material to be dredged or filled in wetlands or other surface waters:
 - a. to be dredged: cubic yards,
 - b. to be filled: **230,000** cubic yards.
4. Identify the seasonal high water level (SHWL) and wetland normal pool elevations for each wetland or surface water within the project site. For tidal wetlands and/or surface waters provide the elevation of mean high and mean low water. Include an aerial photograph showing the location of each sampling location, dates, datum, and methods used to determine these elevations. **Normal pool and seasonal high water elevations were verified by SJRWMD staff on August 26, 2025. The verified elevations are provided with the project plans.**
5. Name of waterbody(ies) (if applicable & if known) in which work will occur? **N/A**
6. Is the activity proposed in an Outstanding Florida Water or Aquatic Preserve?
 yes, name: no I don't know
7. Has there ever been a formal or informal wetland determination for the project site? If yes, provide the identifying number and/or a copy of the jurisdictional map. **Yes, formal wetland determination No. 224604-1 issued March 18, 2025.**
8. Provide a map(s) of the project area and vicinity delineating USDA/NRCS soil types. **A USDA/NRCS soils map is provided with the attached updated Environmental Assessment Report dated November 2025.**
9. Provide recent aerials legible for photointerpretation (no photocopies) with a scale of 1" = 400 ft, or more detailed, with project boundaries and wetland boundaries delineated on the aerial. **A recent**



aerial image of the property is provided with the attached updated Environmental Assessment Report dated November 2025.

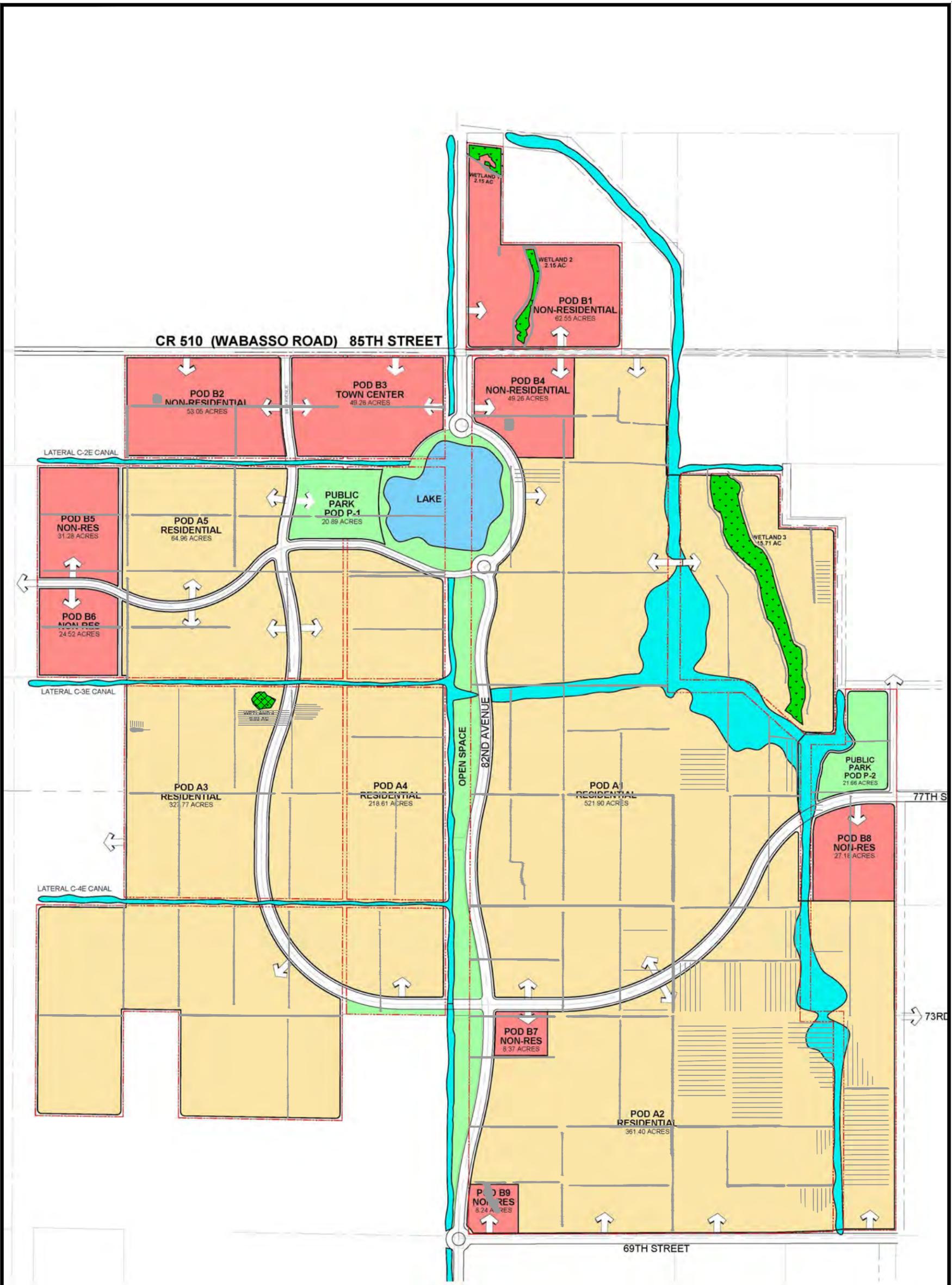
10. Provide maps accurately portraying the existing and proposed natural vegetative community types and land cover classifications using recognized classification schemes. Suggested sources include: the Florida Natural Areas Inventory Guide to the Natural Communities of Florida (2010) available at <http://www.fnai.org/naturalcommguide.cfm>, or the Florida Land Use and Cover Classification System (FLUCCS) (FDOT 1999, available at <http://www.dot.state.fl.us/surveyingandmapping/documentsandpubs/fluccmanual1999.pdf>). For vegetated areas dominated by exotic vegetation, use the descriptors representative of the native community type that was present prior to exotic infestation. **A FLUCFCS map of the subject property is provided with the attached updated Environmental Assessment Report dated November 2025.**
11. Impact Summary Tables (located at the end of this section):
 - a. For all projects, complete Table 1, 2 and 3 as applicable. **Please see Table 1. Tables 2 and 3 are N/A.**
 - b. For shoreline stabilization projects, provide the information requested in Table 4. **N/A**
12. If the activity is located on state owned submerged lands and requires a lease or easement, provide a list of names and addresses from the latest county tax assessment roll of all property owners located within a 500 ft. radius of the proposed lease or easement boundary in mailing label format, or you may elect to send notice to those persons by certified mail, with the return-receipt card addressed to the DEP or water management district, as applicable, in accordance with subsection 18-21.005(3), F.A.C., and Section 253.115, F.S. Attach additional sheets if necessary.
N/A
 1. Name:
Mailing Address:
City, State, Zip Code:
 2. Name:
Mailing Address:
City, State, Zip Code:
 3. Name:
Mailing Address:
City, State, Zip Code:
 4. Name:
Mailing Address:
City, State, Zip Code:
 5. Name:
Mailing Address:
City, State, Zip Code:
 6. Name:
Mailing Address:
City, State, Zip Code:

Part 2: Environmental Considerations

Note: for many questions, a state statute/Applicant's Handbook Volume I (AH I)/State 404 Program Applicant's Handbook section is cited to assist the applicant in addressing these questions.

1. Elimination or Reduction of Impacts (Avoidance and Minimization). Describe measures taken to eliminate or reduce impacts to wetlands and other surface waters (*Refer to AH I Section 10.2.1*). **No wetland impacts are proposed. The avoided wetlands will be provided with upland buffers with minimum widths of 15 feet and average widths of 25 feet.**
2. Fish, Wildlife, Listed Species, and their Habitats. Provide results of any wildlife assessments that have been conducted on the project site and provide any comments, biological opinions, formal or informal consultation decisions, or recommended actions you have received pertaining to the project from the Florida Fish and Wildlife Conservation Commission, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service. (*Refer to AH I Section 10.2.2*). **Please refer to the attached updated Environmental Assessment Report dated October 2025.**
3. Water quantity impacts to wetlands and other surface waters (*Refer to AH I Section 10.2.2.4 and AH II*).
 - a. Does the activity include a proposed surface water management system with a control elevation different than the wetland normal pool elevation(s) of existing or proposed created wetlands or other surface waters? **Yes, the control elevation of the surface water management system will vary from the wetland normal pool elevations.**
 - b. If yes to (a), provide documentation (e.g. drawdown assessment or other methods) that shows the proposed surface water management system will not change the hydroperiod of the existing or created wetland or other surface water. **Hydraulic gradient calculations will be provided with each construction authorization ERP to confirm that no impacts to the hydroperiod of the existing wetlands will occur. Wetland control structures will also be installed to provide wetland recharge and control surface water elevations.**
4. Public Interest Test. Please describe how the proposed activity will **not be contrary** to the public interest, OR if such an activity significantly degrades or is located within an Outstanding Florida Water (OFW), that the regulated activity will be **clearly in** the public interest (*Refer to AH I Section 10.2.3*).
 - a. Please describe how the project will be designed to avoid adverse effects to public health, safety, or the welfare or the property of others. **No wetland impacts proposed.**
 - b. Please describe how the project will be designed to avoid adverse effects to the conservation of fish and wildlife, including endangered or threatened species, or their habitats. **The project does not propose any wetland impacts and each wetland will be provided with an upland buffer with minimum widths of 15-feet and average widths of 25-feet.**
 - c. Please describe how the project will be designed to avoid adverse effects to navigation or the flow of water or cause harmful erosion or shoaling. **The project will have no effect to navigation, erosion, or shoaling.**
 - d. Please describe how the project will be designed to avoid adverse effects to the fishing or recreational values or marine productivity in the vicinity of the activity. **The project will have no effect.**

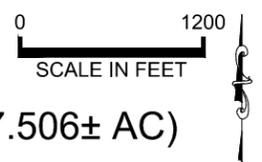
- e. Will the project be of a temporary or permanent nature? **Permanent.**
 - f. Please describe how the project will be designed to avoid adverse impacts to significant historical and archaeological resources, under the provisions of section 267.061, F.S. **A Cultural Resource Assessment Survey (CRAS) was completed for the subject property in April 2025. The CRAS did not identify any historic properties eligible for listing in the National Register of Historic Places (NRHP) that would be affected by the proposed development.**
 - g. Please describe how the project will be designed to avoid adverse effects to the current condition and relative value of functions being performed by areas affected by the proposed regulated activity. **No wetland impacts are proposed.**
5. Water Quality.
Provide a description of how water quality will be maintained in wetlands and other surface waters that will be preserved or will remain undisturbed, both on and offsite. Please address both short-term (such as during construction) and long-term water quality considerations (*Refer to AHI Section 10.2.4*). **Construction Best Management Practices will be implemented during construction and proper stormwater management system operation after construction.**
6. Class II Waters; Waters approved for shellfish harvesting (*Refer to AHI Section 10.2.5*).
- a. Will the project occur in Class II that are NOT approved for shellfish harvesting? If yes, please provide a plan or procedure detailing the measures to be taken to meet the requirements of *AHI Section 10.2.5(a)*. **No.**
 - b. Is the project located adjacent to or in close proximity to Class II waters? If yes, please provide a plan or procedure detailing the measures to be taken to meet the requirements of *AHI Section 10.2.5(b)*. **No.**
 - c. Is the project located in Class II or Class III waters that are classified as “approved”, “restricted”, “conditionally approved”, or “conditionally restricted”? If yes, demonstrate that the project meets the requirements of *AHI Section 10.2.5(c)*. **No.**
7. Vertical seawalls. Are vertical seawalls proposed in an estuary or lagoon as part of the project? If yes, please describe how the project meets the requirements of *AHI Section 10.2.6*. **No.**
8. Secondary Impacts (*AHI Section 10.2.7*).
- a. Will an upland buffer, with a minimum width of 15' and an average width of 25', be provided between the proposed activities and existing wetlands or wetlands to be preserved, enhanced, restored, or created? Provide the location and dimension of all buffers on the plans. **Yes.** If not, demonstrate that secondary impacts will not occur or describe how they will be offset.
 - b. If listed species are present or may be present, then coordination with wildlife agencies is needed. Have you coordinated with the FFWCC and/or USFWS? If so, please provide correspondence from the wildlife agencies indicating concurrence with the species management plan(s). **Other than the potential occurrence of transient wading birds, there are no resident listed wildlife species present on the site.**



SITE PLAN BY OTHERS

LEGEND

- PRESERVED WETLANDS (20.943± AC)
- OTHER SURFACE WATERS IMPACTS (47.506± AC)



SALTWOOD PUD

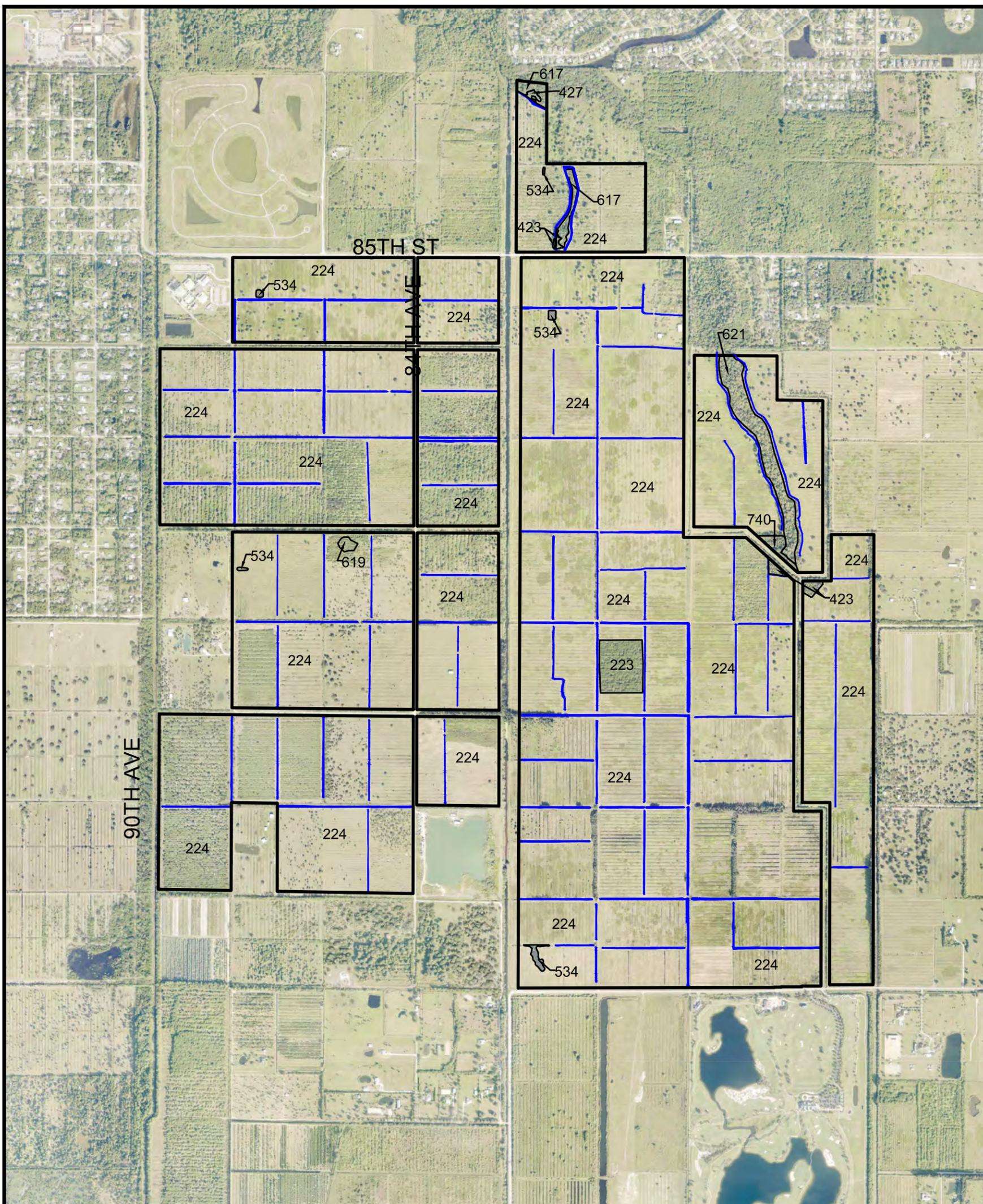
PRESERVED WETLANDS & OTHER SURFACE WATERS IMPACTS



EW CONSULTANTS, INC.
 1000 SE MONTEREY COMMONS BLVD., SUITE 208
 STUART, FL 34996
 772-287-8771 FAX 772-287-2988
 WWW.EWCONSULTANTS.COM

OCT 2025
FIGURE

Saltwood wetland_OSW_impacts.dwg SuRWMD



FDOT AERIAL DATED 2023

LEGEND

- 223 - OTHER GROVES (11.0± AC)
- 224 - ABANDONED GROVES (1,900.0± AC)
- 423 - OAK - PINE (2.3± AC)
- 427 - LIVE OAK (0.4± AC)
- 510 - DITCHES (41.7± AC)
- 534 - RESERVOIRS LESS THAN 10ACS (1.7± AC)
- 617 - MIXED WETLAND HARDWOODS (4.3± AC)
- 619 - EXOTIC WETLAND HARDWOODS (0.9± AC)
- 621 - CYPRESS (15.7± AC)
- 740 - DISTURBED LANDS (2.0± AC)
- TOTAL SITE (1,980.0± AC)



SALTWOOD

FLUCFCS



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 STUART, FL 34996
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NOV 2025
FIGURE
4

Saltwood
Sebastian, Florida

Conceptual Drainage Analysis

St. Johns River Water Management District
Sebastian River Improvement District
City of Sebastian

Prepared by:
Kimley-Horn and Associates, Inc.
445 24th Street, Suite 200
Vero Beach, FL 32960
(772) 794-4100

Alexander M. Daugherty, P.E. **Date**
FL P.E. # 91957

1. Introduction

On behalf of our client, Pulte Group (Contract Buyer), we are applying for a St. Johns River Water Management District (SJRWMD) Conceptual Environmental Resource Permit (ERP) for the proposed **Saltwood Project**. The Saltwood project is a proposed large-scale master planned residential community consisting of residential, institutional, commercial, and open space uses over the +/- 1,987.88-acre property.

As a part of this application, we will be providing the conceptual design and supporting calculations of the surface water management system to serve the proposed project. The calculations within this report utilize an overall area of +/-1,987.88 acres, including the addition of +3.81-acres of CR-510 (Wabasso Road).

Project Location

The proposed project is located in the City of Sebastian, Florida.

Please see the attached Location Map (**Exhibit A**). The GPS location of the approximate center of the project is 80°29'42.23"West. Latitude of the project site is 27°44'16.53" North.

The project site is generally located off of CR-510. The site is bound on the south by 69th Street, to the West by 90th Avenue, and to the East by 74th Avenue. The site discharges north to the South Prong of the Sebastian River via Sebastian River Improvement District (SRID) Canals C and L which receives stormwater runoff from the project site.

2. Existing Site Conditions

The total site area for the Saltwood project is +/-1,987.88 acres. The site is currently vacant farmland being used for cattle and row crops. The site has 10 identifiable basins within the total project acreage and all basins discharge via numerous sub-lateral canals east/west before ultimately discharging to the north through SRID Lateral C and L Canals.

The site contains four wetlands and wetland buffer areas as depicted on the Post Development Basin Map (**Appendix 2**) & the EW Consultants, Inc, Onsite Wetland & Surface Waters map (**Appendix 4**). The site lies within the SRID jurisdiction and has a limited discharge rate of the volumetric equivalent of not more than 2.0 inches of depth over the area served for any 24-hour period from the 25yr-24hr storm event. The discharge requirement translates to a maximum discharge volume of 14,432,010 cubic feet for any 24-hour period over the entire +/-1,987.88-acre project area. Please refer to the Discharge Volume Analysis (**Calculations & ICPR Results, D.7**) for the Volumetric Discharge Analysis.

The Custom Soil Resource Report for Indian River County, Florida (USDA, SCS 1981) indicates the surficial soils for the project site are mostly made up of Riviera fine sand (10), Winder fine sand (14), and Pineda-Pineda wet fine sand (16) (**Exhibit D**).

3. Flood Zone

The project area lies within FEMA Flood Zone "X" and FEMA Flood Zone "AE" as shown on FEMA Map Number 12061C0207J and FEMA Map Number 12061C0226J, revised January 26, 2023 (**Exhibit C**). Properties located within FEMA Flood Zone "X" lie outside the boundary of the 100-year frequency flood. Properties located within FEMA Flood Zone "AE" have a base flood elevation ranging from 15.6 NAVD to 20.7 NAVD across the +/-1,987.88 acre site.

4. Datum

All elevation included in the below and attached documents are in reference to the North American Vertical Datum of 1988 (NAVD 88). The vertical datum conversion was confirmed using Corpscon 6 software and was found to be 1.47 for the project area. This is used to convert NAVD to the National Geodetic Vertical Datum (NGVD), or visa-versa. To convert from NGVD to NAVD, the conversion factor is subtracted from the NGVD elevations.

According to the topographic survey provided by Carter Associates, Inc. an LJA Company, the average onsite elevations range from approximately 16.00 – 20.00 NAVD throughout the property. The USGS Quad Map, depicting general site topography is included (**Exhibit B**).

5. Maintenance and Operation

The proposed development will have multiple entities responsible for maintenance. The following list itemizes who has the requirement:

CDD – Ponds and Pond Banks, Stormwater Pond Interconnection Pipes, Undisturbed Natural Areas, Wetland Areas and Buffers, Control Structures, and Wetland Control Structures.

HOA – Interior roadway drainage, swales (including side yard), berms and open space tracts.

FDOT – All stormwater components within the CR-510 right of way.

Sebastian River Improvement District – All stormwater components within the SRID right of way.

6. Environmental

An Environmental report and Section C for this proposed development have been provided by EW Consultants, Inc. dated April 2025, updated November 2025, and included within this application. Please refer to the Saltwood PUD Environmental Assessment (**Appendix 3**) and the Onsite Wetland & Surface Waters Map (**Appendix 4**) for additional details.

7. Water Use/Dewatering

A Consumptive Use Permit (the “CUP”) will be applied for with the application for a construction authorization for which dewatering is necessary to construct the stormwater management system and to install underground drainage & utilities.

8. Water and Wastewater Supplier

Potable water and wastewater will be supplied by Indian River County Department of Utility Services (the “IRCDUS”). The County has provided a service availability letter for water and wastewater services for the initial phase of development. Offsite improvements to provide additional capacity for future phases will be memorialized as part of the Developer’s Agreement for this project.

9. Irrigation Water Supplier

Irrigation Quality water (the “IQ”) is currently not available. Stormwater harvesting is currently proposed as the source of irrigation water for the Saltwood PUD.

10. Water Quality Treatment

The proposed design shows all water being treated within a series of wet ponds located on site. The commercial tracts will be required to provide ½” of dry pretreatment prior to discharging to a wet pond. **Because this project is located within the basin of an impaired water body, this project will be required to provide 150% of the required minimum treatment volume.** Please see the included calculations and icpr input that shows the weir inverts for each basin have been set at or above the required water quality elevation. Please see **Calculation and Stormwater Results - A** for stormwater quality calculations.

11. Nutrient Analysis

A nutrient analysis was completed in conjunction with the drainage analysis utilizing BMPTrains. The existing use of this site is agricultural (row crops) and the proposed use will be large-scale master planned residential community consisting of single-family residential, major roadways, low-intensity commercial (retail and school), and undeveloped natural areas.

The proposed irrigation for the site is stormwater harvesting.

Nutrient removal will be analyzed in accordance with the Harper Report, June 2007. Please see the Nutrient Analysis Report (**Appendix 9**) for additional calculations.

12. Stormwater Design Criteria

Water Quality: SJRWMD – 1-inch times the basin area (excluding wetlands and uplands) or 2.5 inches over the impervious surface; whichever is greater (including additional impervious areas off-site). 150% is required due to the project being in an impaired basin.

Finished Floor: SJRMWD: At or above the 100 year-24-hour zero discharge storm event

FEMA: FFE at or above one foot above the base flood elevation (BFE)

City of Sebastian: At or above the 100-year, 24 Hour Zero Discharge Storm Event
Or 18” above highest adjacent crown of road (Residential)
Or 6” above highest adjacent crown of road (Commercial)

Road Crown: SJRMWD: 25 year 1- day storm event

Discharge: **SRID Discharge:** Maximum Discharge of 2” over the project site within any 24-hour period which equates to 14,432,010 cubic feet (CF) for the 25yr-24hr storm event

SJRWMD Discharge: The Post-Development runoff rate will not exceed the Pre-Development runoff rate for the 25yr-24hr storm event.

Recovery: 14 days after the 25-year 24-Hour storm event



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

Re: Shiloh property

1 message

Jace Shields <jshields@indianriver.gov>

Fri, Dec 26, 2025 at 4:36 PM

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

Cc: Kelly Buck <kbuck@indianriver.gov>, Travius Major <tmajor@indianriver.gov>

Mr. Glover – Good afternoon. I forwarded your email to our Stormwater Division to see if there were any issues regarding the fill and the placement of the fill. Senior Stormwater Inspection Trey Major went out to the property on 12/19/25 and informed me that the City of Sebastian is disposing of fill material generated from canal cleaning activities and no stormwater violations were observed at that time (see his email response below). I also went by the property and did not observe any violations at this time. Please let me know if you have any questions or need any additional information.

Thank you,

Jace Shields

Code Enforcement

Indian River County

1801 27th Street, Bldg. A

Vero Beach, FL 32960

Phone: (772) 226-1672

jshields@indianriver.gov



From: Travius Major <tmajor@indianriver.gov>

Sent: Friday, December 19, 2025 4:27 PM

To: Jace Shields <jshields@indianriver.gov>

Cc: Kelly Buck <kbuck@indianriver.gov>

Subject: Re: Shiloh property

Per our phone conversation regarding the site below, the City of Sebastian is disposing of fill material generated from canal cleaning activities. No stormwater violations were observed during my inspection



Tray Major

Sr. Stormwater Inspector

Indian River County – Natural Resources - Stormwater Division

1801 27th Street, Vero Beach, FL, 32960

Office: (772) 226-4356 **Cell:** (772) 564-1476

tmajor@indianriver.gov



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

RE: Manatee signs

1 message

Waterway Management <waterway.management@myfwc.com>

Wed, Dec 10, 2025 at 3:14 PM

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

Good morning,

Yes, that would be our office. Thank you for bringing this to our attention. Although, we do not have the signage that includes maps any longer. Our signs placed at the boat ramp reflect the below message.



Thanks!



Pebbles Causseaux

Planner III
Division of Law Enforcement
Boating and Waterways Section
620 South Meridian Street
[Tallahassee, Florida 32399-1600](https://www.floridadepartmentoflawenforcement.com)

January 14th

Conservation Workshop

Hosted By

INDIAN RIVER COUNTY
CONSERVATION LANDS DIVISION AND
THE INDIAN RIVER MOSQUITO CONTROL
DISTRICT



Free and Open to the Public
First Session 9 a.m. to Noon
Second Session 1 p.m. to 4 p.m.



IG Center, 1590 9th St SW, Vero Beach

Whether you are a seasoned conservationist or just starting your journey, this workshop is designed to inspire meaningful action and cultivate connections among participants.

- Explore key conservation topics
- Share successful practices
- Collaborate on innovative solutions

For More Information Contact

Indian River Mosquito Control District
Johanna Avril 772-562-2393
Email j.avril@irmcd.org

Conservation Lands Division
Olivia Roddenberry 772-925-9050
Email oroddenberry@indianriver.gov

From: [Missy Weiss](#)
To: Lagoon@indianriverna.com
Subject: Save the Date: Tour of Sebastian Stormwater Park
Date: Thursday, January 8, 2026 12:06:52 PM

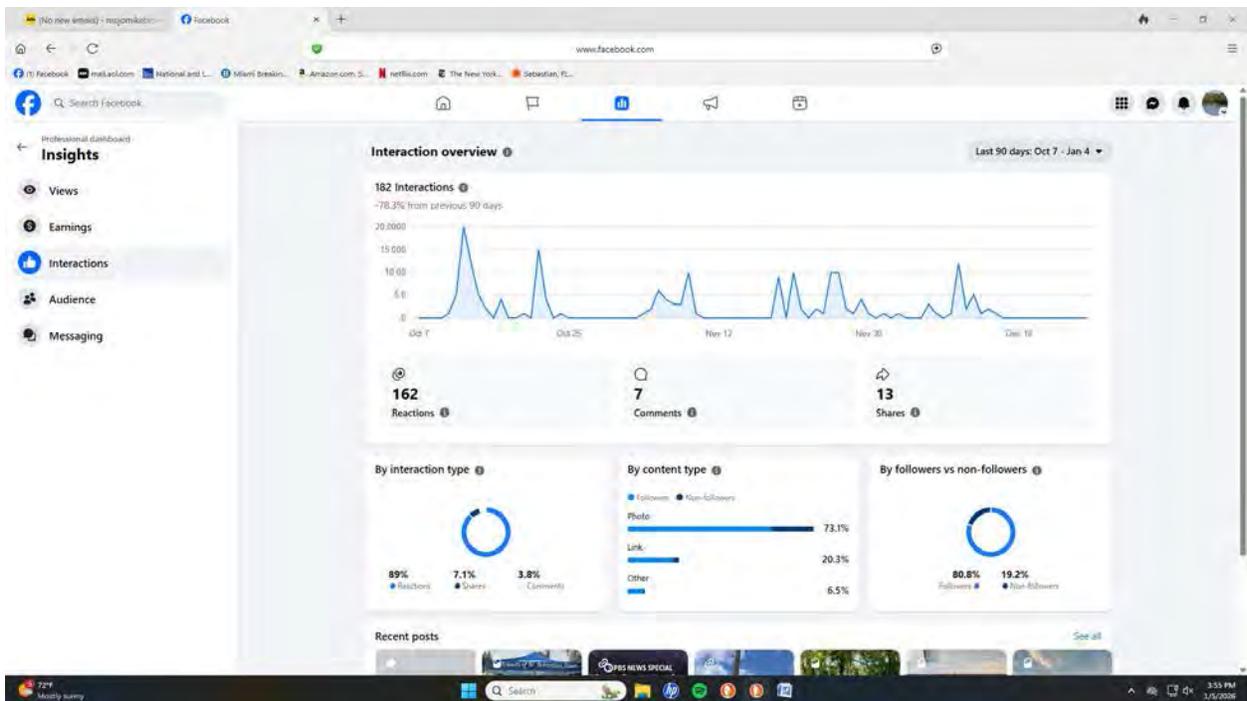
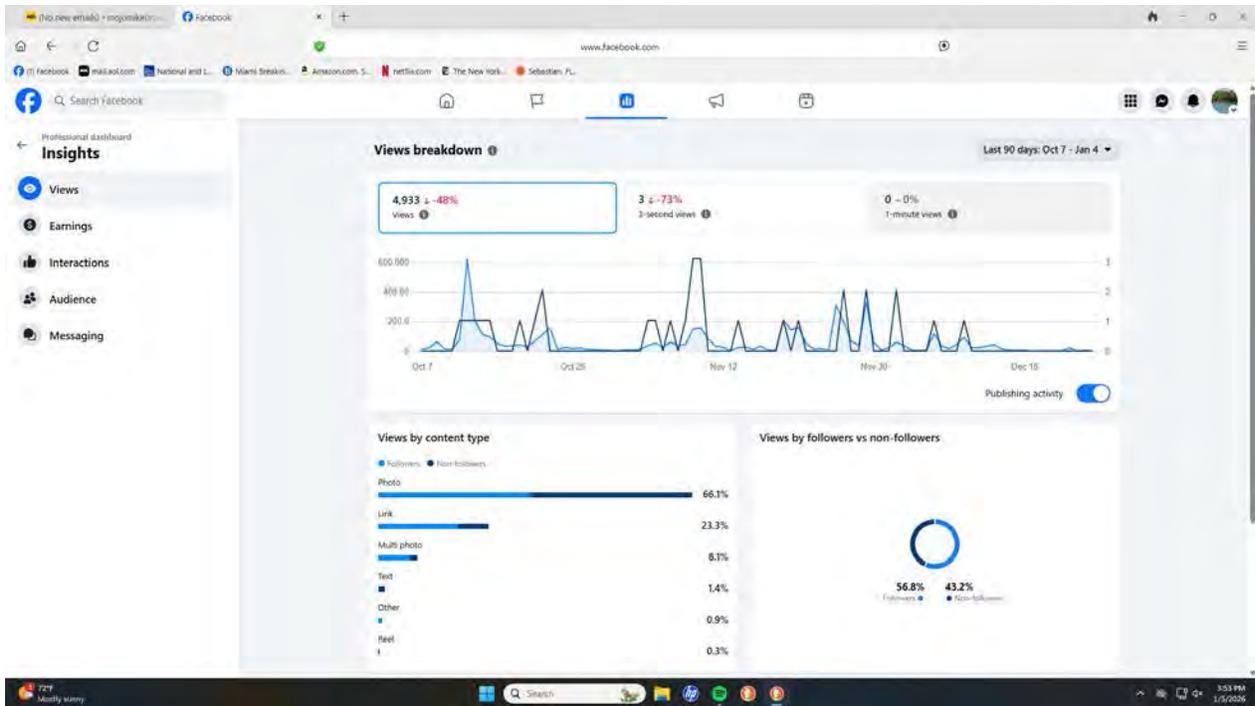
Hello IRNA Lagoon Committee Members,

Please save the date for a tour (~3 miles) of the **Sebastian Stormwater Park** (297 Englar Dr, Sebastian, FL 32958) property on Monday, February 2nd from 8:30-10am. This tour/hike will be provided by both the City of Sebastian and Indian River County staff (and perhaps a bit by myself as well) as part of the County's regular Hiking Club. Once I have the flyer, I'll resend this email as registration is recommended and space will be limited. This is open to all IRNA folks but also PIA and FSSR too!

Please let me know if you have any questions.

Best,
Missy

To unsubscribe from this group and stop receiving emails from it, send an email to lagoon+unsubscribe@indianriverna.com.





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

Join us at our concert to benefit the lagoon!

1 message

Brevard Indian River Lagoon Coalition <birlccoalition-gmail.com@shared1.ccsend.com>
Reply-To: birlccoalition@gmail.com
To: info@fssr.org

Fri, Jan 2, 2026 at 3:45 PM



BENEFIT CONCERT
FOR THE LAGOON
Freebo & Alice Howe
 PROCEEDS TO BENEFIT:
 BREVARD INDIAN RIVER LAGOON COALITION

WHERE:
SCHENK SHOP SCHACK
 5575 SCHENCK AVE., UNIT #1

WHEN:
FEB 4, 2026
 7 PM

Join us for this private concert to benefit the lagoon!

Hello Tim,

Dear Lagoon Friend,

The Brevard Indian River Lagoon Coalition is proud to be bringing national recording artists Freebo and Alice Howe to the Schenck Shop Schack for a Benefit Concert for the Lagoon on Wednesday February 4th at 7PM. Proceeds will go to help further the educational programs that have helped the healing of the Indian River Lagoon over the past 9 years. [Grab your tickets today.](#)

With the efforts of the SOIRL (Save Our Indian River Lagoon) program and many other organizations we are seeing improvement, but know we still have a long way to go. For more info go to www.HelpTheLagoon.org Please click the link below to purchase tickets. We have limited seating and expect a sellout.

Alice Howe & Freebo have undeniable chemistry. Rock bass legend Freebo weaves his fretless stylings into Alice's soulful, impeccably-tuned vocals for a harmony-driven performance showcasing two uniquely compelling songwriters.

Best known for his ten years playing bass with Bonnie Raitt, Freebo has toured and recorded with some of the greatest artists of his generation, including John Mayall, Ringo Starr, Crosby Stills & Nash, Maria Muldaur, Joe Walsh, and Dr. John. For the past twenty-five years, he's been writing, recording, and performing his own original music. To hear Alice Howe sing is to be enraptured by the natural, unaffected beauty of her voice. There's no artifice, no histrionics — just honest, authentic, emotionally resonant singing in the tradition of the roots music that shaped her. She recently had the honor of being named Best Female Artist at the International Acoustic Music Awards.

Freebo and Alice have been working as a duo since 2017, and he produced her latest record *Circumstance*, recorded at iconic FAME Studios in Muscle Shoals, Alabama. Their latest album *Alice Howe & Freebo Live* is their first release as a duo, and it debuted as the #1 Most Played Album on the Folk Radio Charts.

“When these two get together, prepare yourself for an extraordinary evening of song and smiles, and maybe a tear or two. Powerful songwriting, mesmerizing vocals, outstanding musicianship, and a palpable camaraderie make for an experience unsurpassed on the contemporary acoustic scene.” - **Ron Olesko, The Folk Music Notebook**

Live Album https://youtu.be/WhQrphrdPcw?si=5--JXSR_L7II5AjN

Videos:

<https://youtu.be/IKm0dsHc3M4?si=pVpuSZCS3o9REB2f>

<https://youtu.be/WhQrphrdPcw?si=YI6Ww9VGQP7RPI5m>



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

Roseland Women's Club Giving Hearts Market

1 message

The Petito Group <thepetitogroup@gmail.com>
To: info@fssr.org
Cc: Robin Reynolds <rareynolds8501@gmail.com>

Sun, Jan 4, 2026 at 10:49 AM

Hello,

We're excited to invite you to be part of the **Giving Hearts Market, a Roseland Women's Club fundraiser benefiting homeless children attending Sebastian River High School.**

Event Details

 **Date:** Saturday, February 7, 2026

 **Time:** 9:00 AM – 2:00 PM

 **Location:** Roseland Community Park

This special event will feature local vendors, a bake sale, food, music, and family-friendly activities all coming together to support students in need right here in our community.

If you'd like to join us as a vendor, please review and complete the attached vendor form, which includes setup details and fees.

We'd love for you to be part of this meaningful market and we thank those who made our event a success last year!

Best regards,

Bethany Petito
772-773-0199

 **2026 RWC Fundraiser Vendor Form.pdf**
410K

ROOTS OF REGENERATION

Earth Day Weekend 2026 | April 17-19
ChoZen Center for Regenerative Living

A FUNDRAISING OF NATURE, CEREMONY & IMPACT



Last year, we gathered for the inaugural Roots of Regeneration—a celebration of land, legacy, and the regenerative future we're building together. This year, we're doing it again, and we want you there.

- Ecosystem restoration and land stewardship
- Regenerative education and youth programs
- Biodiversity protection and wildlife initiatives
- Long-term resilience for people and planet

This event is more than a fundraiser—it's a gathering of visionaries, changemakers, and earth stewards who believe regeneration is possible.

THE *mission*



This year, we're raising **\$200,000** to expand our conservation programs, provide educational scholarships, advance wildlife rescue, and deepen our impact across the four pillars of CCRL's mission.

Your partnership makes this work possible.

EARLY INTEREST