

Light Penetration

Site	25% Iz	Target Values	Turbidity	Target Values
	meters		NTU	
Fort Myers	1.0	> 1	2.0	< 18
Shell Point	1.6	>2.2	1.5	< 18
Causeway	3.5	> 2.2	2.0	< 5

25% Iz is the depth (z) where irradiance (I) is 25% of surface irradiance. Target values indicate the depth of light penetration needed for healthy seagrass.

**Upper Estuary Conditions:** The 30-day moving average surface salinity at the Fort Myers Yacht Basin was **8.1 psu**, within the suitable range for tape grass. The weekly average was 11 psu.

**Lower Estuary Conditions:** The weekly average salinity at the Shell Point RECON was **28 psu**, in the optimal range for oysters and seagrass. Diatoms were the dominant phytoplankton and no *Karenia* were found in samples from Sanibel Beaches during the week.

Water Quality Conditions:

Monitor Site	Salinity (psu) <sup>a</sup> [previous week]	Diss O <sub>2</sub> (mg/L) <sup>b</sup>	FDOM (qsde) <sup>c</sup>	Chlorophyll (µg/L) <sup>d</sup>	Temperature (°F)
Beautiful Island	4.7 - 7.3 [2.3 - 6.5]	5.6 - 8.6	140	9.0	74.8 - 85.2
Fort Myers Yacht Basin	7.9 - 14 [6.6 - 13]	6.8 - 8.3	110	4.5	71.5- 79.1
Shell Point	19 - 33 [19 - 33]	4.8 - 6.4	35	2.0	72.1- 79.4
McIntyre Creek	31.3 - 31.4 [31.5 - 31.6]	5.6 - 6.6	27.1 - 37.8	1.2 - 3.8	71.9 - 72.7
Tarpon Bay	31.1 - 32.4 [30.6 - 31.4]	4.8 - 6.0	38.5 - 75.1	1.4 - 5.1	71.8 - 78.3
Wulfert Flats	31.5- 34.3 [32.9- 35.1]	----	----	----	68.9 - 78.4

Red values are outside of the preferred range.

<sup>a</sup> Salinity target values: BI < 5, FM < 10, SP = 10 - 30

<sup>b</sup> Dissolved O<sub>2</sub> target values: all sites > 4

<sup>c</sup> FDOM target values: BI < 70, FM < 70, SP < 11

<sup>d</sup> Chlorophyll target values: BI < 11, FM < 11, SP < 11

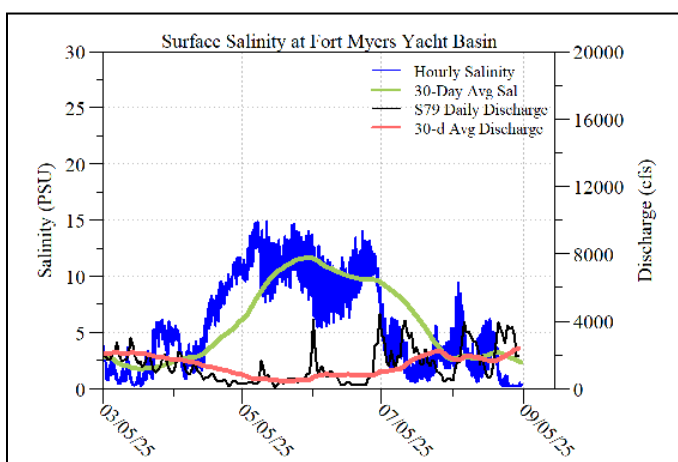
<sup>f</sup> Temperature target values: < 90

<sup>s</sup> Single sonde lower and surface layer or surface grab lab measurement

ND: no data

**Shellfish Advisory:** Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef are **OPEN** by the Florida Department of Agriculture and Consumer Services (FDACS) as of 9/24/25. SHA #6222 (North Matlacha Pass) **was closed** on 11/07/25 but **reopens** at sunrise on 11/13/25. SHA #6232 (South Matlacha Pass) is **OPEN** as of 8/31/25.

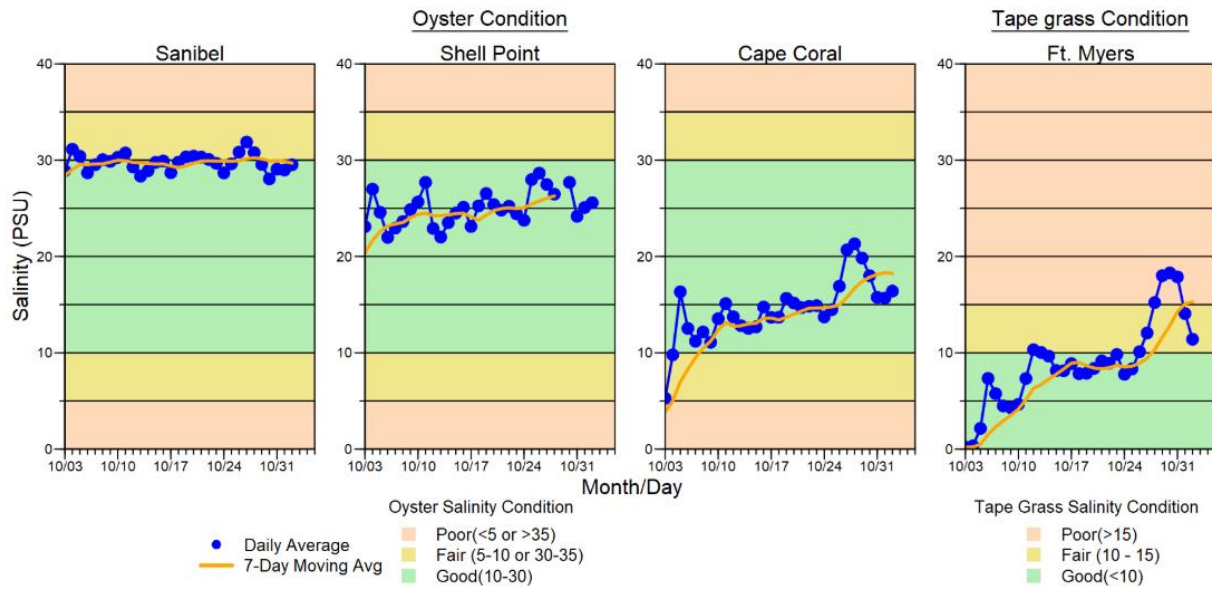
**Wildlife Impacts:** In the past week, the CROW wildlife hospital on Sanibel admitted **3 patients** for suspected red tide/toxicosis: 1 adult willet (still in care), 1 adult double-crested cormorant (deceased) and 1 juvenile brown pelican (deceased).



\*Updated surface salinity data currently unavailable.

USACE Daily Reports

Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
11/4/25	395	143	505
11/5/25	354	347	367
11/6/25	396	282	395
11/7/25	380	169	555
11/8/25	405	170	440
11/9/25	452	170	154
11/10/25	498	167	285
<b>7-day avg</b>	<b>411</b>	<b>207</b>	<b>386</b>

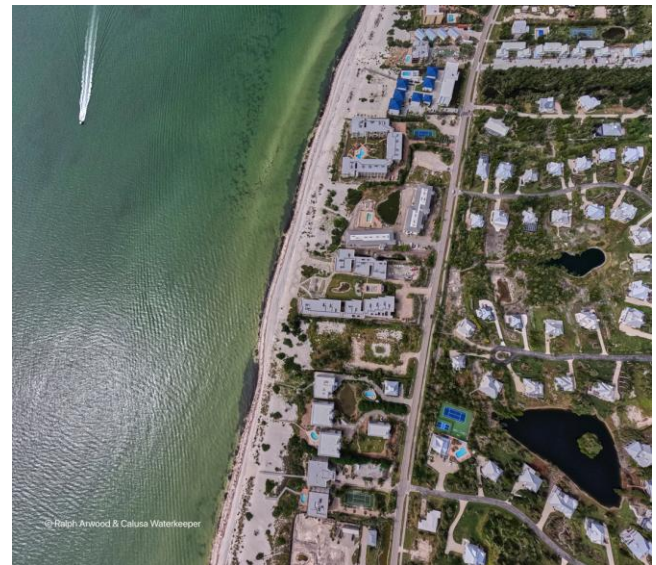


Daily average bottom salinity data for the last 14-days from sampling locations within the tidal Caloosahatchee River Estuary relative to oyster health (Sanibel, Shell Point and Cape Coral) and tape grass (*Vallisneria americana*) health (Ft. Myers only) conditions.

\*Ft. Myers sensor is in the lower strata



Red drift algae at Gulfside City Beach Park on Sanibel Island on 11/10/25.



Red drift algae visible in the surf zone of a Sanibel Island beach on 11/7/25 (Credit: Ralph Arwood & Calusa Waterkeeper).