

Site	Light Penetration		Turbidity	Target Values
	25% Iz	Target Values		
	meters		NTU	
Fort Myers	1.0	> 1	2.2	< 18
Shell Point	1.8	>2.2	1.5	< 18
Causeway	3.6	> 2.2	2.5	< 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 has been over 10 psu for 11 days and was **12 psu, above the suitable range for tape grass**. The weekly average was 14 psu.

**Lower Estuary Conditions:** The weekly average salinity at the Shell Point RECON was **28 psu**, in the optimal range for seagrass and oysters. The dominant phytoplankton in SCCF samples from Sanibel beaches during the week were diatoms including large *Rhizosolenia* and *Guinardia* chains and no *Karenia* cells were found.

**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	8.1 - 9.7 [5.3 - 9.7]	3.7 -6.7	130	6.3	71.9 – 84.5
Fort Myers Yacht Basin	11 – 16 [10 – 16]	6.1- 8.2	100	3.9	63.8– 79.3
Shell Point	21 – 34 [24 – 33]	5.3 - 7.5	35	1.5	66.8– 78.0
McIntyre Creek	31.6 – 33.3 [32.2 – 33.2]	3.6 – 7.0	23.5 – 36.5	1.3 – 2.9	66.5 – 78.1
Tarpon Bay	31.8 – 33.1 [31.3 – 32.9]	5.2 –7.8	34.6 – 58.5	1.3 – 3.9	65.4 – 78.5
Wulfert Flats	33.0 – 35.7 [34.0 – 35.3]	----	----	4.2 – 23.3	59.5 – 80.1

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

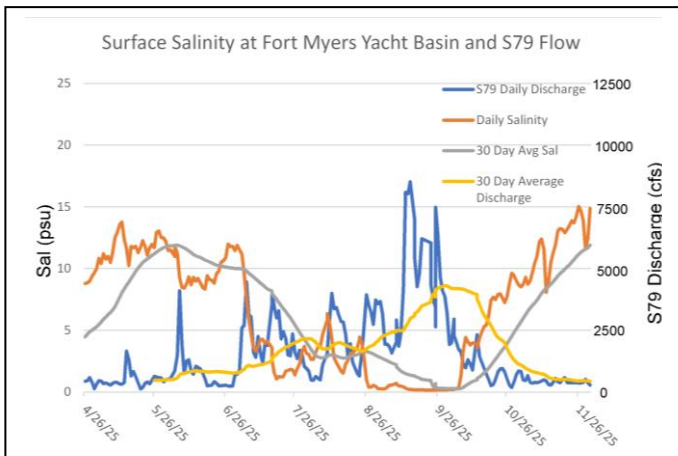
<sup>f</sup> Temperature target values: < 90

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

ND: no data

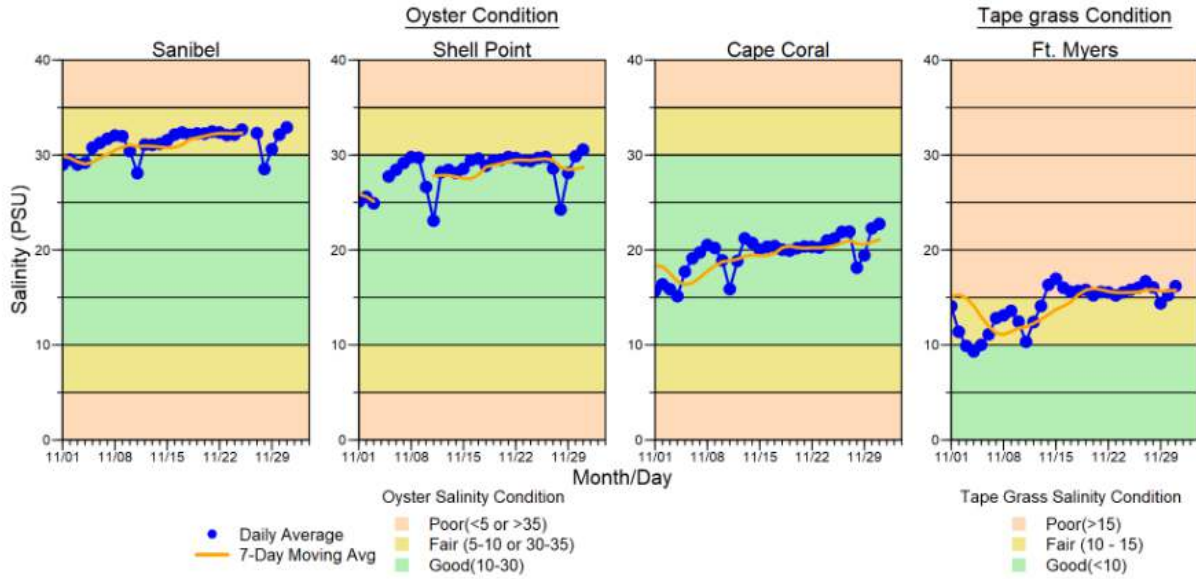
**Wildlife Impacts:** In the past week, the CROW wildlife hospital on Sanibel admitted **10 patients** for suspected red tide/toxicosis: 1 adult American white pelican (deceased), 2 adult sandwich terns (1 deceased, 1 still in care), 1 juvenile laughing gull (deceased), 1 adult laughing gull (still in care), 2 juvenile double-crested cormorants (1 deceased, 1 still in care), 1 adult white ibis (still in care), 1 adult brown pelican (deceased) and 1 juvenile brown pelican (deceased).

**Shellfish Advisory:** Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef is **OPEN** by the Florida Department of Agriculture and Consumer Services (FDACS) as of 9/24/25. SHA #6222 (North Matlacha Pass) is **CLOSED** as of 11/21/25 as a precaution due to the presence of *Pseudo Nitzschia* spp. SHA #6232 (South Matlacha Pass) is **OPEN** as of 8/31/25.



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
11/25/25	370	172	506
11/26/25	367	172	499
11/27/25	395	172	172
11/28/25	517	170	62
11/29/25	377	170	192
11/30/25	281	171	186
12/1/25	263	171	184
<b>7-day avg</b>	<b>367</b>	<b>171</b>	<b>257</b>

Salinity



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



Water clarity at Lighthouse Beach Park on 12-3-25 at 12:02 PM on a slack tide (1.8 ft).