

Site	Light Penetration		Turbidity	Target Values
	25% Iz	Target Values		
	meters		NTU	
Fort Myers	1.0	> 1	1.2	< 18
Shell Point	1.8	>2.2	1.0	< 18
Causeway	3.4	> 2.2	3.0	< 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 has been over

10 psu for 25 days and was **14 psu, above the suitable range for tape grass**. The weekly average was 13 psu. *Skeletonema* was the dominant phytoplankton taxon on 12/11/25.

**Lower Estuary Conditions:** The weekly average salinity at the Shell Point RECON was **30 psu**, in the optimal range for seagrass but above optimal for oysters. The dominant phytoplankton in SCCF samples from Sanibel beaches during the week were diatoms 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	ND [8.0 - 11]	-----	140	6.0	-----
Fort Myers Yacht Basin	13 - 17 [13 - 18]	5.9- 8.0	105	4.5	68.3 - 77.4
Shell Point	23 - 34 [26 - 34]	5.3 - 8.0	40	1.5	69.0 - 76.1
McIntyre Creek	32.7 - 33.4 [32.0 - 33.3]	3.8 - 9.7	21.2 - 33.0	1.1 - 2.2	67.5 - 74.4
Tarpon Bay	32.0 - 33.8 [32.7 - 35.1]	5.7 - 8.4	31.2 - 42.4	1.2 - 3.4	60.8 - 74.8
Wulfert Flats	---- [----]	----	----	----	----

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

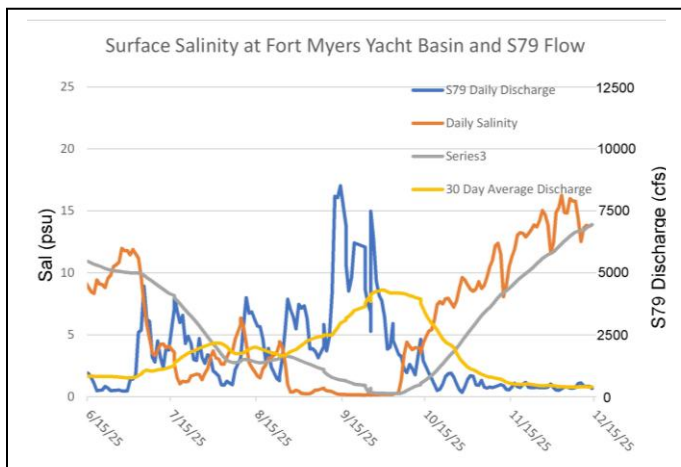
<sup>f</sup> Temperature target values: < 90

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

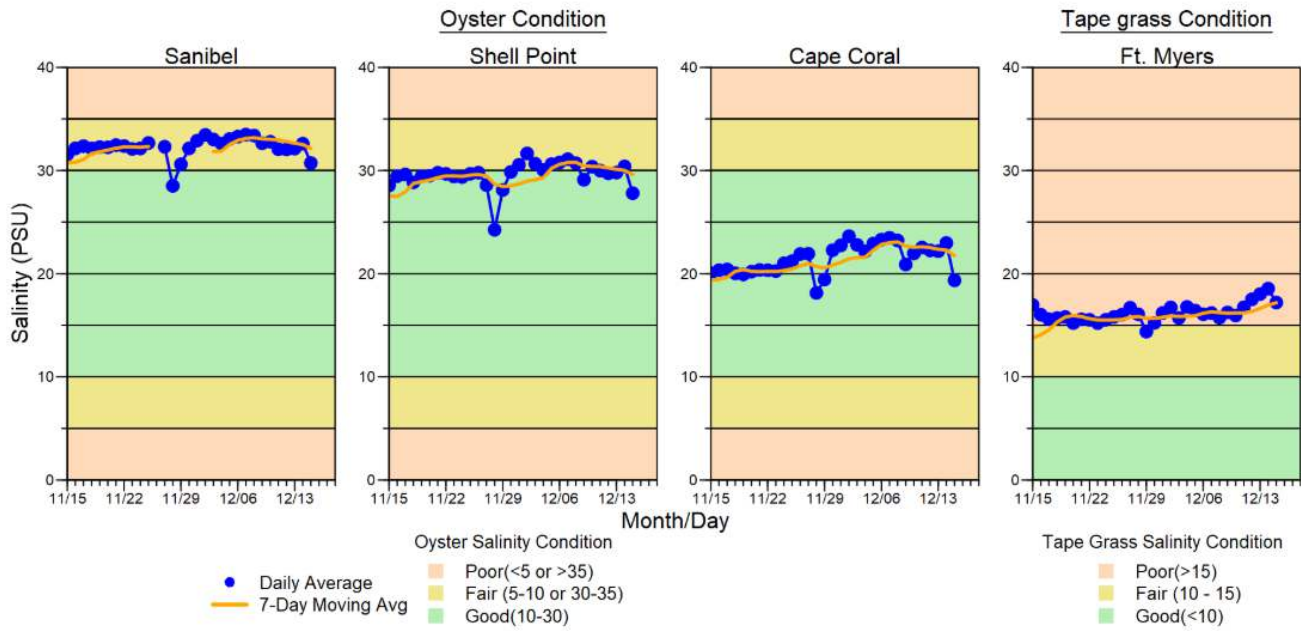
ND: no data

**Wildlife Impacts:** In the past week, the CROW wildlife hospital on Sanibel admitted **8 patients** for suspected red tide/toxicosis: 1 juvenile laughing gull (deceased), 1 adult laughing gull (still in care), 1 juvenile brown pelican (still in care), 1 adult red-breasted merganser (still in care), 1 adult royal tern (deceased), 1 adult sandwich tern (deceased), 1 adult laughing gull (deceased) and 1 adult royal tern (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) and SHA #6232 (South Matlacha Pass) are **OPEN** as of 12/6/25.



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
12/9/25	562	170	92
12/10/25	425	169	91
12/11/25	423	168	369
12/12/25	425	173	559
12/13/25	342	175	480
12/14/25	353	269	314
12/15/25	505	320	276
<b>7-day avg</b>	<b>434</b>	<b>206</b>	<b>312</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



Water clarity at Lighthouse Beach Park on 12-17-25 at 11:54 AM on a rising tide (0.4 ft).