

Site	Light Penetration		Turbidity	Target Values
	25% Iz	Target Values		
	meters		NTU	
Fort Myers	0.9	> 1	1.2	< 18
Shell Point	1.5	>2.2	1.3	< 18
Causeway	3.8	> 2.2	1.0	< 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 **4.3 psu**, within the suitable range for tape grass. The weekly average was 8.0 psu. *Coscinodiscus* was the dominant phytoplankton taxon (43,000 cells/L) on 10/21/25.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **25 psu**, in the optimal range for oysters and seagrass. No *Karenia* were found in samples from Sanibel Beaches during the week.

Water Quality Conditions:

Monitor Site	Salinity (psu) ^a [previous week]	Diss O ₂ (mg/L) ^b	FDOM (qsde) ^c	Chlorophyll (µg/L) ^d	Temperature (°F)
Beautiful Island	2.1 – 4.2 [0.3 – 3.5]	4.1 - 7.1	155	6.8	79.4 – 87.2
Fort Myers Yacht Basin	6.1 – 12 [2.0 – 8.9]	5.4 - 8.0	130	6.0	76.7 – 84.4
Shell Point	17 – 33 [14 – 31]	4.3 – 6.8	55	1.8	77.0– 83.3
McIntyre Creek	28.4 – 29.2 [28.7- 28.9]	3.5 – 7.2	36.0 – 39.8	1.5 – 1.9	78.6 – 83.0
Tarpon Bay	29.3 – 32.1 [78.7 – 82.2]	5.0 – 6.9	37.7 – 66.0	1.3 – 2.9	78.7 – 81.5
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Red values are outside of the preferred range.

^a Salinity target values: BI < 5, FM < 10, SP = 10 – 30

^b Dissolved O₂ target values: all sites > 4

^c FDOM target values: BI < 70, FM < 70, SP < 11

^d Chlorophyll target values: BI < 11, FM < 11, SP < 11

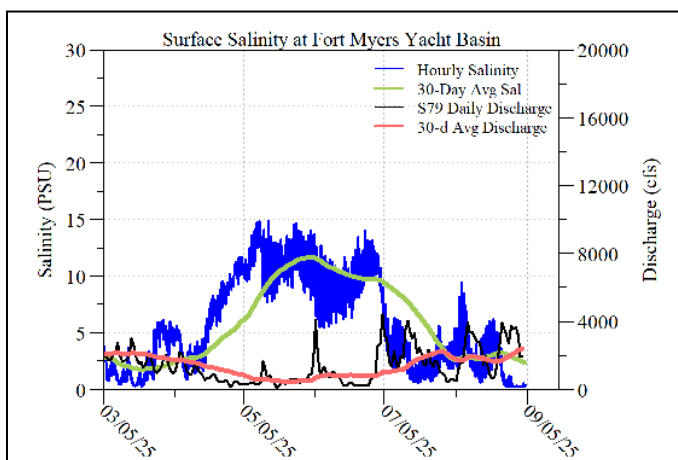
^f Temperature target values: < 90

^s Single sonde lower and surface layer or surface grab lab measurement

ND: no data

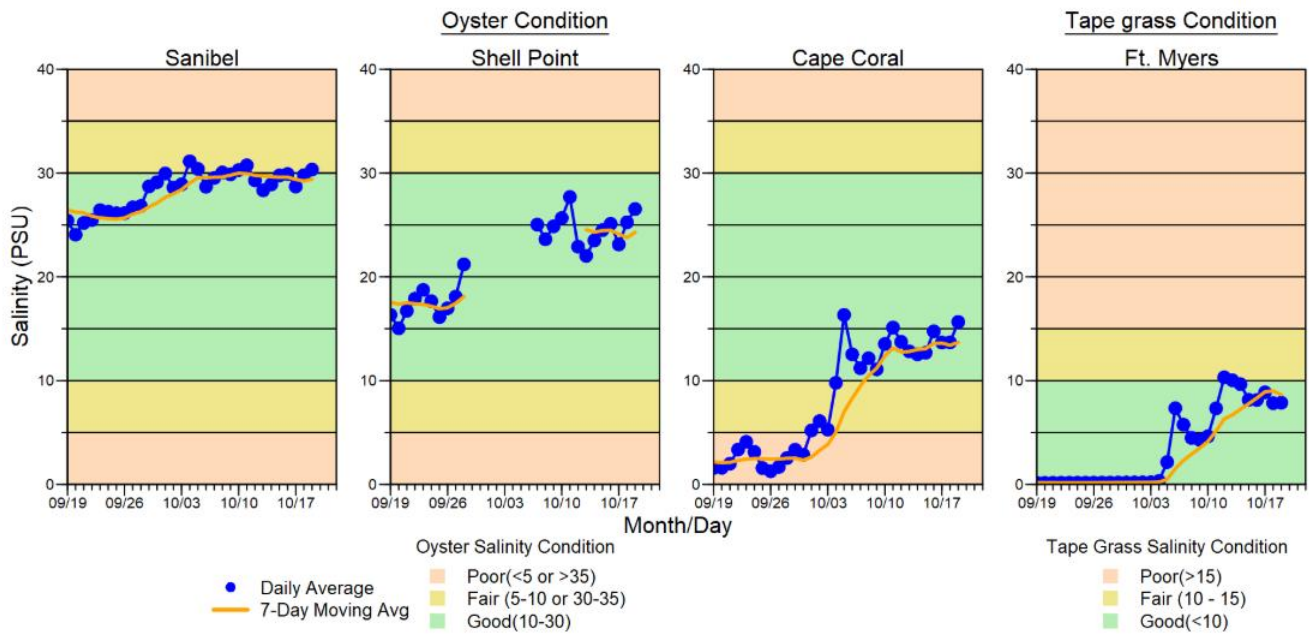
Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef are **OPEN** by the Florida Department of Agriculture and Consumer Services (FDACS) as of 9/24/25. SHA #6222 (North Matlacha Pass) and SHA #6232 (South Matlacha Pass) are **OPEN** as of 8/31/25.

Wildlife Impacts: In the past week, the CROW wildlife hospital on Sanibel admitted **4 patients** for suspected red tide/toxicosis: 1 juvenile LAGU (deceased), 1 adult pied-billed grebe (deceased), 1 adult mottled duck (deceased) and 1 adult magnificent frigate bird (still in care).



*Updated surface salinity data currently unavailable.

USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
10/21/25	511	79	0
10/22/25	814	246	0
10/23/25	936	354	0
10/24/25	957	353	0
10/25/25	803	349	0
10/26/25	524	137	0
10/27/25	285	0	0
7-day avg	690	217	0



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 10-27-25 at 12:13 PM on a slack tide (0.2 ft).



Red algae at beach access #1 (Gulf-side) on Sanibel Island on 10-29-25. Species included *Halymenia*, *Hypnea*, *Gracilaria* and *Gracilariopsis*.