

Site	Light Penetration		Turbidity	Target Values
	25% Iz	Target Values		
	meters		NTU	
Fort Myers	1.0	> 1	2.4	< 18
Shell Point	1.4	>2.2	1.7	< 18
Causeway	2.2	> 2.2	1.3	< 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 **1.2 psu**, within the suitable range for tape grass. The weekly average was 4.1 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **25 psu**, in the optimal range for oysters and seagrass. Phytoplankton counts were elevated at Algiers Beach on 10/8/25 with *Odontella* dominant (500,000 cells/L). Moderate amounts of red drift algae were in the wrack line near Tarpon Beach on 10/11/25.

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	0.2 – 0.8 [0.2 – 0.2]	3.2 - 5.2	155	7.1	81.9 – 88.2
Fort Myers Yacht Basin	0.7 – 8.6 [0.2 – 0.5]	4.6 - 6.3	---	4.3	79.3 – 84.4
Shell Point	15 – 32 [5.3 – 33]	3.9 - 5.9	60	3.0	78.8 – 84.5
McIntyre Creek	28.3 – 28.7 [27.9 – 28.5]	3.8 – 8.1	39.0 – 42.9	1.9 – 3.8	78.3 – 82.9
Tarpon Bay	25.2 – 28.6 [28.2 – 30.7]	3.7 – 7.3	69.6 – 92.3	2.6 – 5.4	79.0 – 82.1
Wulfert Flats	----	----	----	----	----

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

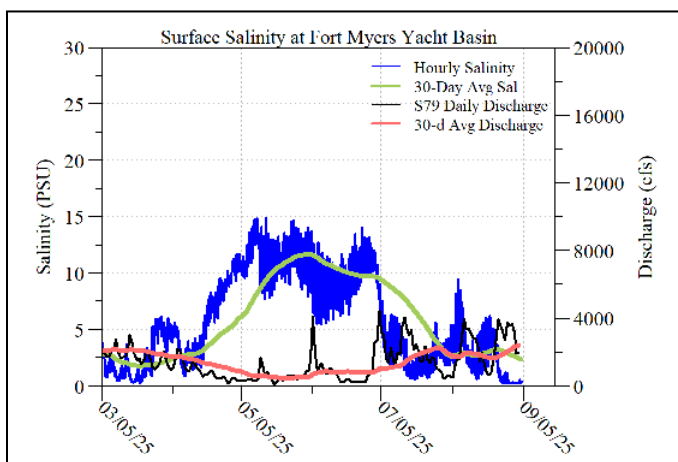
^f Temperature target values: < 90

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

ND: no data

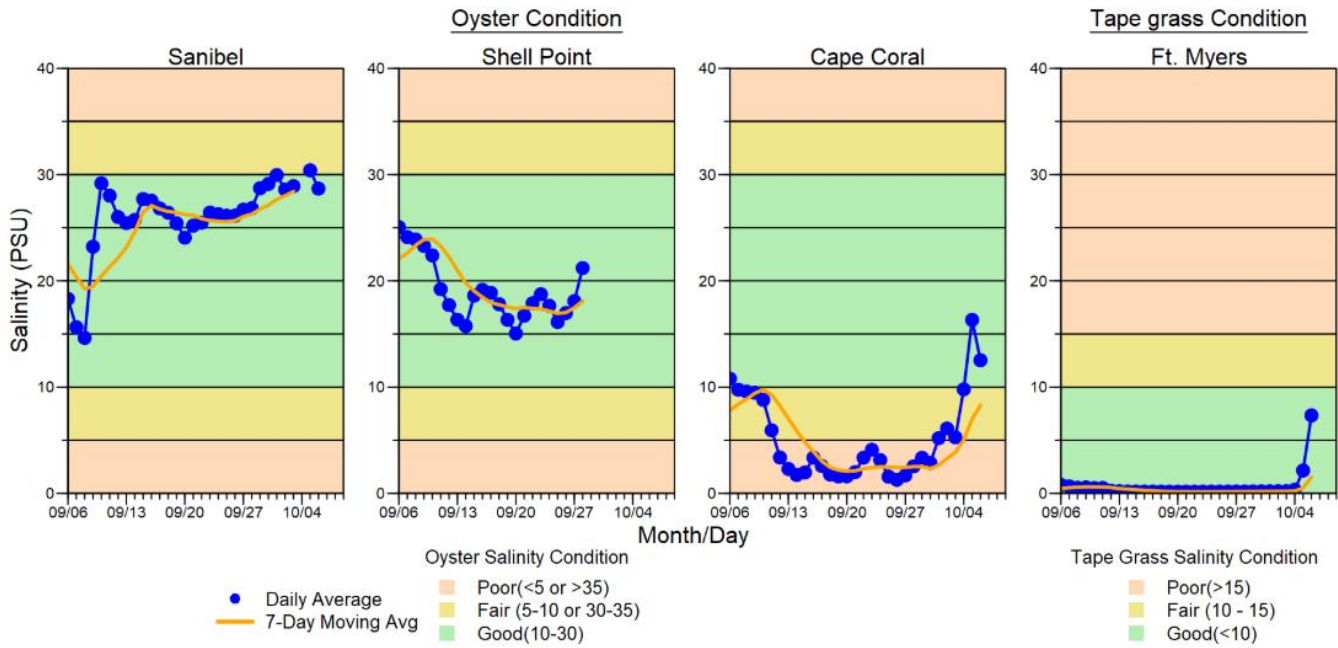
Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef are **OPEN** by the Florida Department of Agriculture and Consumer Services (FDACS) as of 9/24/25. SHA #6222 (North Matlacha Pass) and SHA #6232 (South Matlacha Pass) are **OPEN** as of 8/31/25.

Wildlife Impacts: In the past week, the CROW wildlife hospital on Sanibel admitted **6 patients** for suspected red tide/toxicosis: 1 adult sandwich tern (deceased), 1 juvenile brown pelican (deceased), 1 adult royal tern (deceased), 1 adult laughing gull (deceased), 1 adult ruddy turnstone (deceased) and 1 adult lesser black-backed gull (still in care). SCCF documented 1 sea turtle stranding, a deceased loggerhead on Sanibel.



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
10/7/25	981	345	0
10/8/25	1311	241	0
10/9/25	1129	174	0
10/10/25	888	175	0
10/11/25	2320	1231	0
10/12/25	2263	854	0
10/13/25	1451	426	0
7-day avg	1478	492	0

*Updated surface salinity data currently unavailable.



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 10-14-25 at 1:38 PM on a falling tide (0.2 ft).



Red drift algae at Sanibel Beach Access #2 (Gulf side) on 10/11/25.