

Site	Light Penetration		Turbidity	
	25% Iz meters	Target Values	NTU	Target Values
Fort Myers	0.7	> 1	2.1	< 18
Shell Point	1.0	>2.2	1.3	< 18
Causeway	1.9	> 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 **1.3 psu**, within the suitable range for tape grass. The weekly average was 0.3 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **19 psu**, in the optimal range for oysters but below optimal for seagrass.

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 – 0.3 [0.2 – 0.3]	1.9 - 4.0	165	8.0	83.2 – 88.5
Fort Myers Yacht Basin	0.2 – 1.2 [0.2 – 1.4]	3.2 - 5.5	155	7.5	83.0 – 88.7
Shell Point	5.1 – 31 [8.1 – 32]	2.3 – 5.7	100	3.9	83.5– 87.2
McIntyre Creek	22.4 – 30.4 [27.3 – 30.8]	1.4 – 10.0	27.0 – 57.0	1.5 – 3.6	82.3 – 88.4
Tarpon Bay	20.0 – 32.2 [26.2 – 33.3]	3.5 – 9.8	27.8 – 106.3	1.5 – 4.5	83.1 – 88.2
Wulfert Flats	26.4 – 30.5 [28.6 – 31.8]	2.6 – 10.0	----	0.8 – 11.4	82.4 – 89.1

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

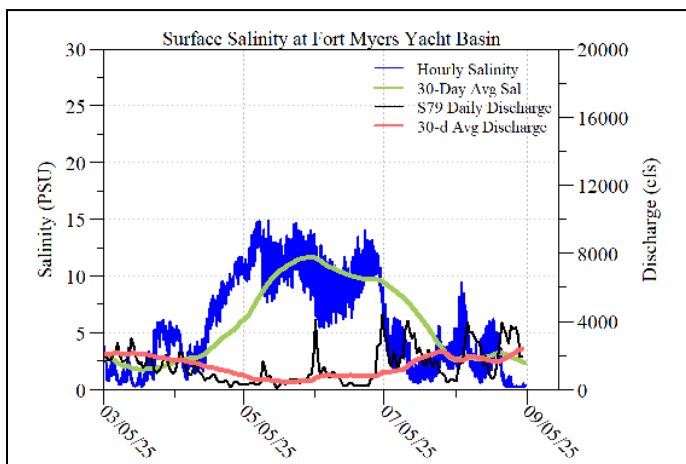
^f Temperature target values: < 90

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

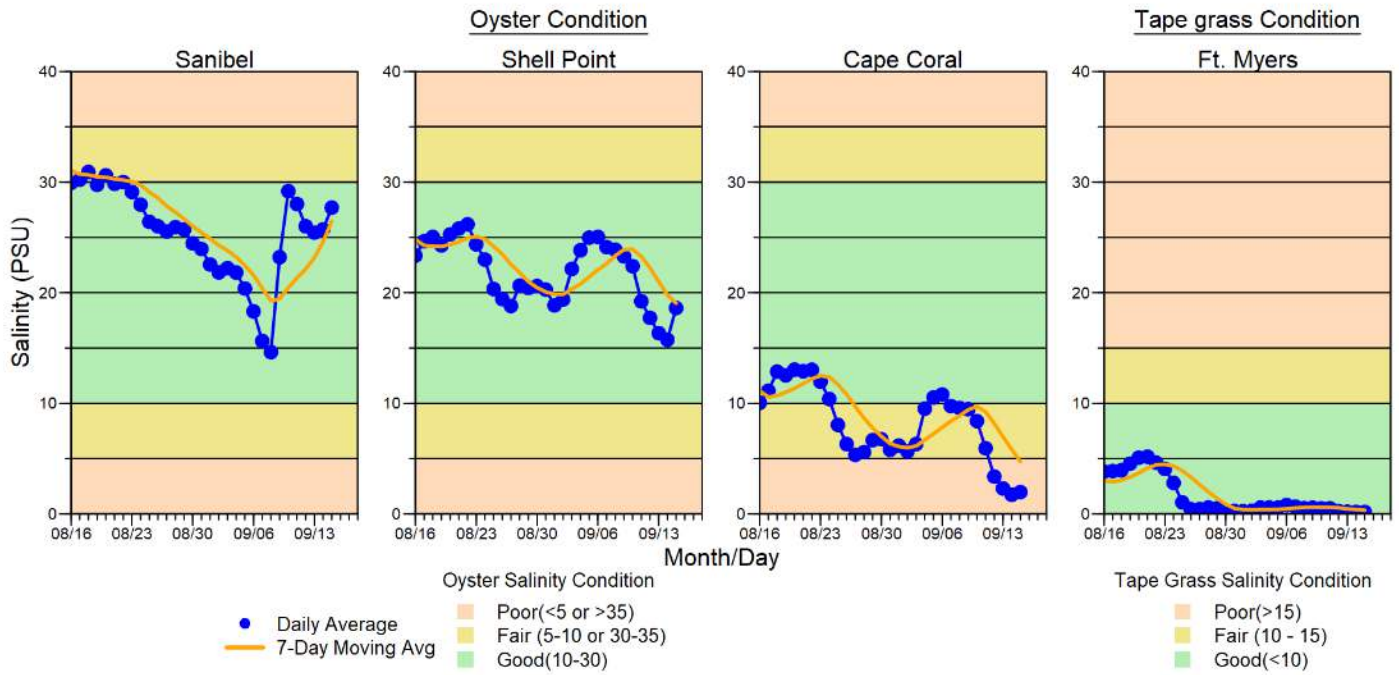
ND: no data

Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1; Aquaculture Lease and Public Reef) is **CLOSED** by the Florida Department of Agriculture and Consumer Services (FDACS) as of 8/7/25 due to the presence of *Pyrodinium bahamense*. 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 **8 patients** with suspected red tide/toxicosis: 1 adult osprey (deceased), 1 adult sandwich tern (deceased), 1 adult ruddy turnstone (deceased), 1 juvenile sandwich tern (deceased), 1 adult lesser-backed gull (still in care), 1 adult tricolored heron (deceased), 1 adult laughing gull (deceased) and 1 adult Wilson’s plover (still in care).



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
9/9/25	2400	857	0
9/10/25	4165	925	0
9/11/25	8088	2349	0
9/12/25	8032	1583	0
9/13/25	8513	1197	0
9/14/25	6925	813	0
9/15/25	5362	525	0
7-day avg	6212	1178	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 9-17-25 at 2:08 PM on a falling tide (1.1 ft).