

Light Penetration

Site	25% Iz	Target Values	Turbidity	Target Values
	meters		NTU	
Fort Myers	0.8	> 1	2.6	< 18
Shell Point	1.0	>2.2	1.8	< 18
Causeway	1.8	> 2.2	1.6	< 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 **0.6 psu**, within the suitable range for tape grass. The weekly average was 0.2 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **16 psu**, in the optimal range for oysters but below optimal for seagrass. A bloom of *Rhizosolenia* (1 million cells/L, 18 µg chl/L) was present at the Causeway on 9/22/25.

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 – 0.2 [0.2 – 0.3]	2.8 - 4.0	160	8.3	82.7 – 87.6
Fort Myers Yacht Basin	0.2 – 0.2 [0.2 – 1.2]	4.0 - 5.3	---	---	80.6 – 88.7
Shell Point	5.1 – 29 [5.1 – 31]	3.8 – 6.1	100	4.3	82.1– 87.2
McIntyre Creek	21.2 – 25.9 [22.4 – 30.4]	2.3 – 11.2	45.2 – 65.0	3.7 – 12.2	80.6 – 89.6
Tarpon Bay	19.8 – 25.7 [20.0 – 32.2]	3.9 – 10.6	86.0 – 127.8	2.1 – 15.5	82.1 – 88.4
Wulfert Flats	22.9 – 29.0 [26.4 – 30.5]	3.1 – 10.7	----	10.7 – 64.9	81.0 – 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

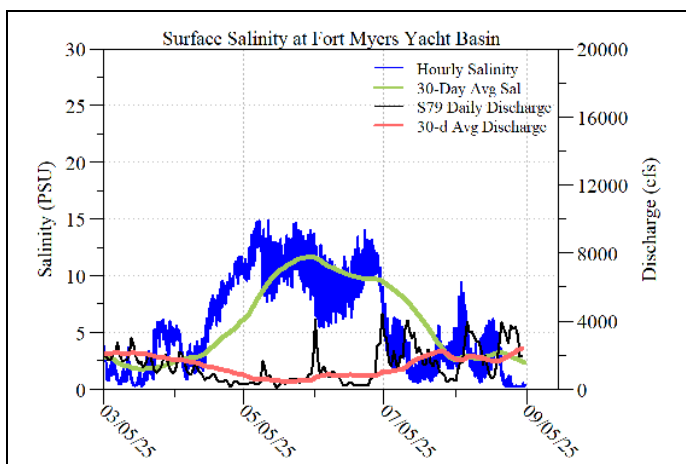
^f Temperature target values: < 90

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

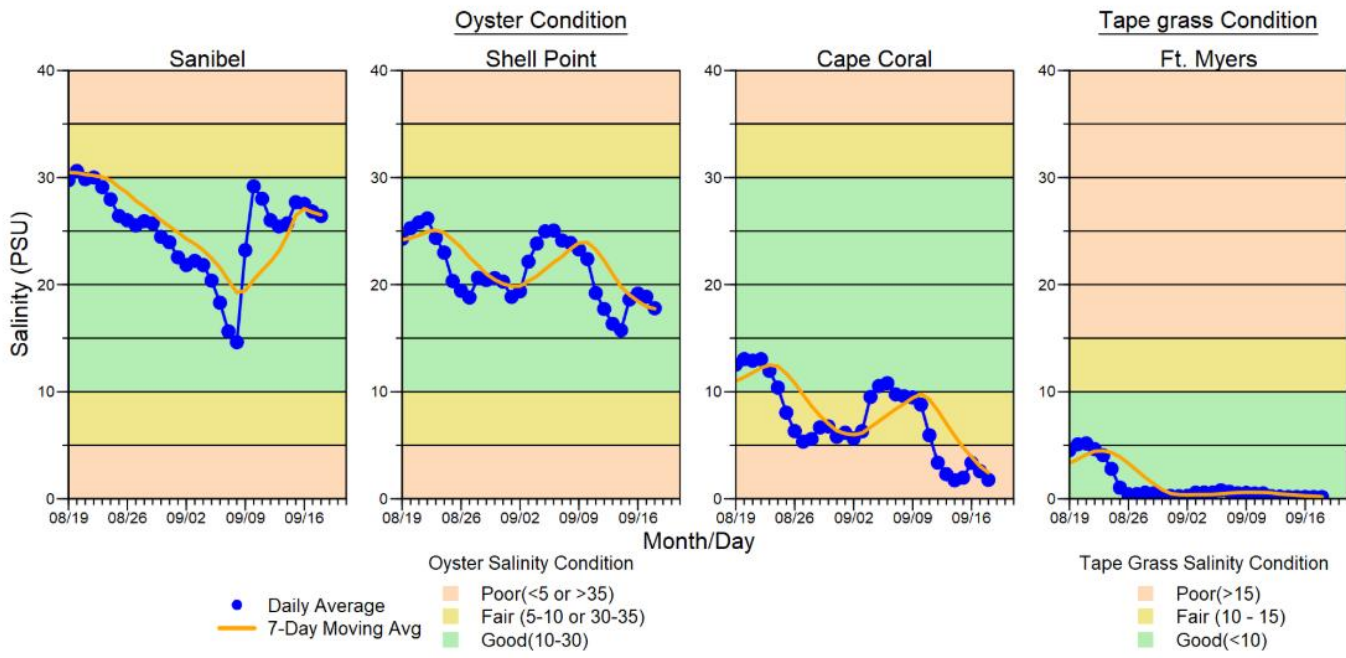
ND: no data

Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease is **OPEN** as of 9/17/25 and SHA #6212 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 **5 patients** with suspected red tide/toxicosis: 1 juvenile brown pelican (still in care), 3 adult sandwich terns (all deceased) and 1 adult great egret (deceased).



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
9/16/25	4267	634	0
9/17/25	4798	673	0
9/18/25	6215	1212	0
9/19/25	6042	1328	0
9/20/25	4331	982	0
9/21/25	3730	592	0
9/22/25	3233	499	0
7-day avg	4659	846	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 9/24/25 at 12:06 PM on a rising tide (1.5 ft).