

Light Penetration				
Site	25% Iz	Target Values	Turbidity	Target Values
	meters		NTU	
Fort Myers	0.9	> 1	1.5	< 18
Shell Point	1.4	>2.2	1.0	< 18
Causeway	3.3	> 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 **6.3 psu**, within the suitable range for tape grass. The weekly average was 8.9 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **26 psu**, in the optimal range for oysters and seagrass. Diatoms were the dominant phytoplankton and 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	2.3 – 6.5 [2.1 – 4.2]	5.6 - 7.1	150	6.3	75.5 – 85.2
Fort Myers Yacht Basin	6.6 – 13 [6.1 – 12]	5.2 - 8.8	130	4.5	72.8 – 83.0
Shell Point	19 – 33 [17 – 33]	---	60	2.1	73.3– 81.2
McIntyre Creek	31.5 – 31.6 [28.4 – 29.2]	4.0 – 6.7	26.9 – 35.1	1.3 – 2.1	73.1 – 74.4
Tarpon Bay	30.6 – 31.4 [29.3 – 32.1]	5.6 – 8.0	49.2 – 56.7	1.2 – 2.7	72.9 – 76.0
Wulfert Flats	32.9- 35.1	----	----	----	72.3 – 74.7

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

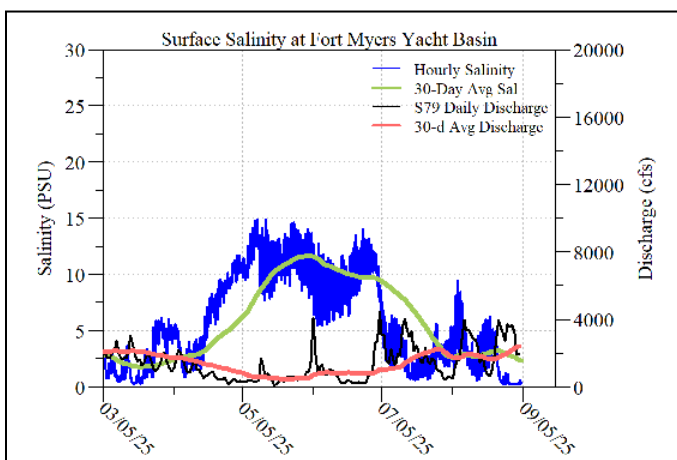
^f Temperature target values: < 90

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

ND: no data

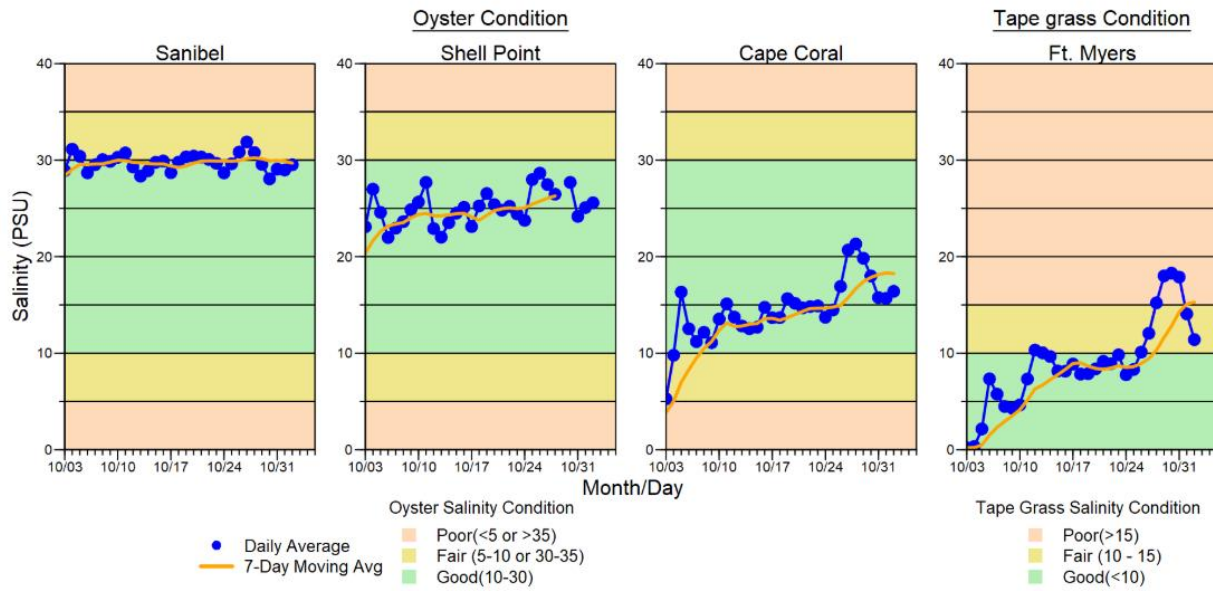
Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef are **OPEN** by the Florida Department of Agriculture and Consumer Services (FDACS) as of 9/24/25. SHA #6222 (North Matlacha Pass) and SHA #6232 (South Matlacha Pass) are **OPEN** as of 8/31/25.

Wildlife Impacts: In the past week, the CROW wildlife hospital on Sanibel admitted **3 patients** for suspected red tide/toxicosis: 1 adult laughing gull (deceased), 1 adult Wilson’s plover (deceased) and 1 adult great blue heron (still in care).



*Updated surface salinity data currently unavailable.

USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
10/28/25	405	195	0
10/29/25	708	352	0
10/30/25	855	288	0
10/31/25	829	173	0
11/1/25	488	172	105
11/2/25	463	339	285
11/3/25	670	80	81
7-day avg	631	228	67



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 11-4-25 at 11:46 AM on a rising tide (2.4 ft).