

Light Penetration				
Site	25% Iz	Target Values	Turbidity	Target Values
	meters		NTU	
Beautiful Is	0.8	> 1	1.3	< 18
Shell Point	1.4	>2.2	1.1	< 18
Causeway	3.3	> 2.2	1.5	< 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 **2.5 psu**, within the suitable range for tape grass. The weekly average was 6.2 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **24 psu**, in the optimal range for oysters and below optimal for seagrass. Phytoplankton counts were low with *Coscinodiscus* dominant, 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	0.3 – 3.5 [0.2 – 0.8]	3.4 - 5.6	140	6.6	79.3 – 85.9
Fort Myers Yacht Basin	2.0 – 8.9 [0.7 – 8.6]	4.9 - 7.0	---	---	76.2 – 84.0
Shell Point	14 – 31 [15 – 32]	4.3 – 6.8	65	2.5	77.2– 81.9
McIntyre Creek	28.7- 28.9 [28.3 – 28.7]	2.5 – 6.3	36.1 – 44.1	1.6 – 2.6	78.7 – 83.1
Tarpon Bay	78.7 – 82.2 [25.2 – 28.6]	4.8 – 7.9	48.1 – 69.1	2.1 – 4.9	78.7 – 82.2
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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

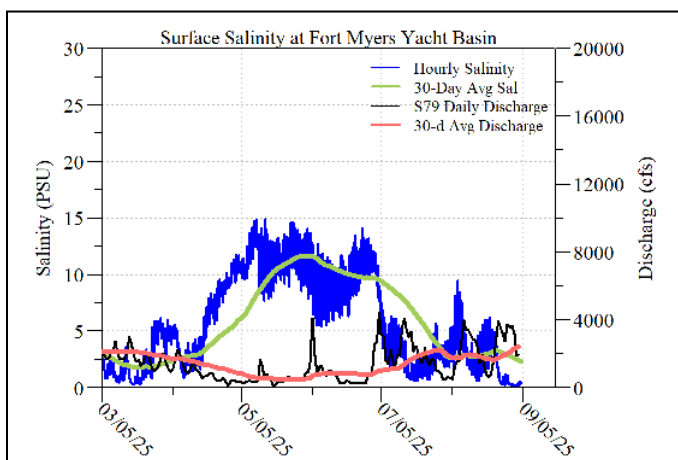
^f Temperature target values: < 90

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

ND: no data

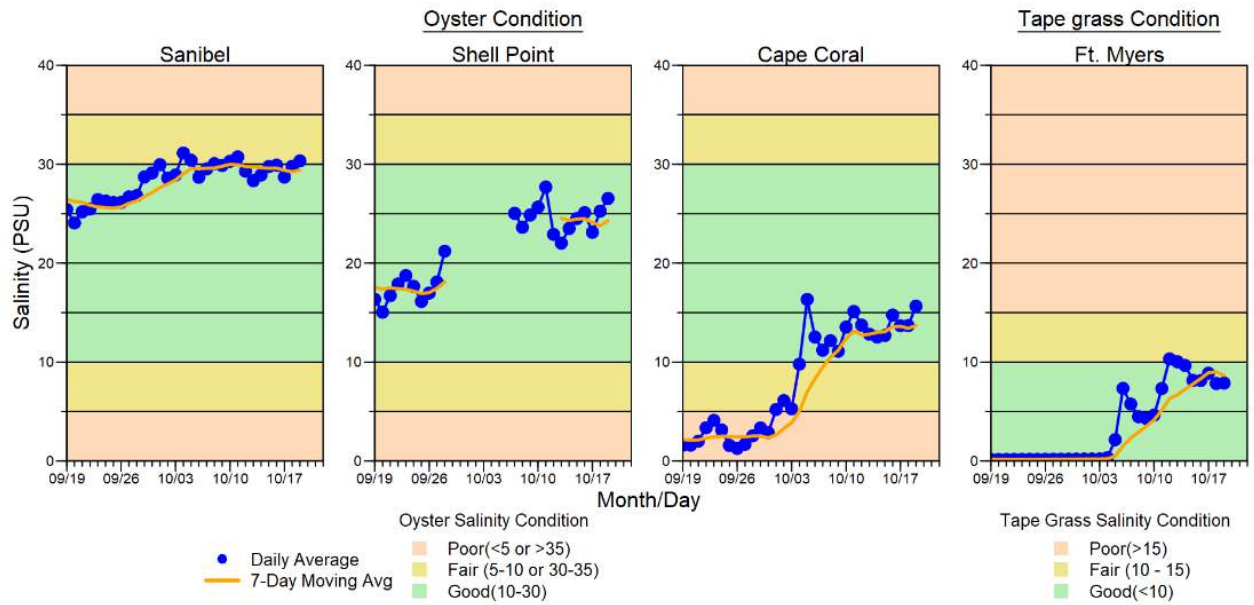
Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef are **OPEN** by the Florida Department of Agriculture and Consumer Services (FDACS) as of 9/24/25. SHA #6222 (North Matlacha Pass) and SHA #6232 (South Matlacha Pass) are **OPEN** as of 8/31/25.

Wildlife Impacts: In the past week, the CROW wildlife hospital on Sanibel admitted **4 patients** for suspected red tide/toxicosis: 1 adult limpkin (deceased), 1 adult osprey (deceased), 1 adult little blue heron (deceased) and 1 juvenile Muscovy duck (deceased).



*Updated surface salinity data currently unavailable.

USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
10/14/25	1209	513	0
10/15/25	961	386	0
10/16/25	733	322	0
10/17/25	501	178	0
10/18/25	257	0	0
10/19/25	311	0	0
10/20/25	511	79	0
7-day avg	640	211	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 10-20-25 at 3:14 PM on a falling tide (2.2 ft).