

Light Penetration

Site	25% Iz	Target Values	Turbidity	Target Values
	meters		NTU	
Fort Myers	0.9	> 1	3.7	< 18
Shell Point	1.4	>2.2	1.7	< 18
Causeway	2.2	> 2.2	1.8	< 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 **0.3 psu**, within the suitable range for tape grass. The weekly average was 0.5 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **21 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 – 0.2 [0.2 – 0.2]	2.4 - 5.0	145	7.1	83.2 – 90.0
Fort Myers Yacht Basin	0.2 – 0.5 [0.2 – 0.2]	4.3 - 6.8	---	4.3	80.5 – 89.1
Shell Point	5.3 – 33 [5.6 – 29]	2.2 – 5.9	60	3.3	81.7– 87.3
McIntyre Creek	27.9 – 28.5 [22.1 – 27.4]	1.2 – 5.2	36.9 – 47.2	2.0 – 3.2	81.3 – 85.2
Tarpon Bay	28.2 – 30.7 [21.4 – 26.7]	3.3 – 5.7	43.1 – 75.4	1.6 – 4.5	82.1 – 84.5
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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

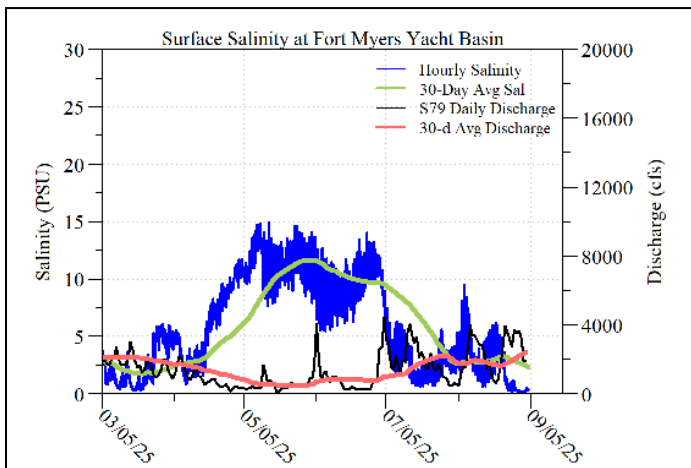
^f Temperature target values: < 90

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

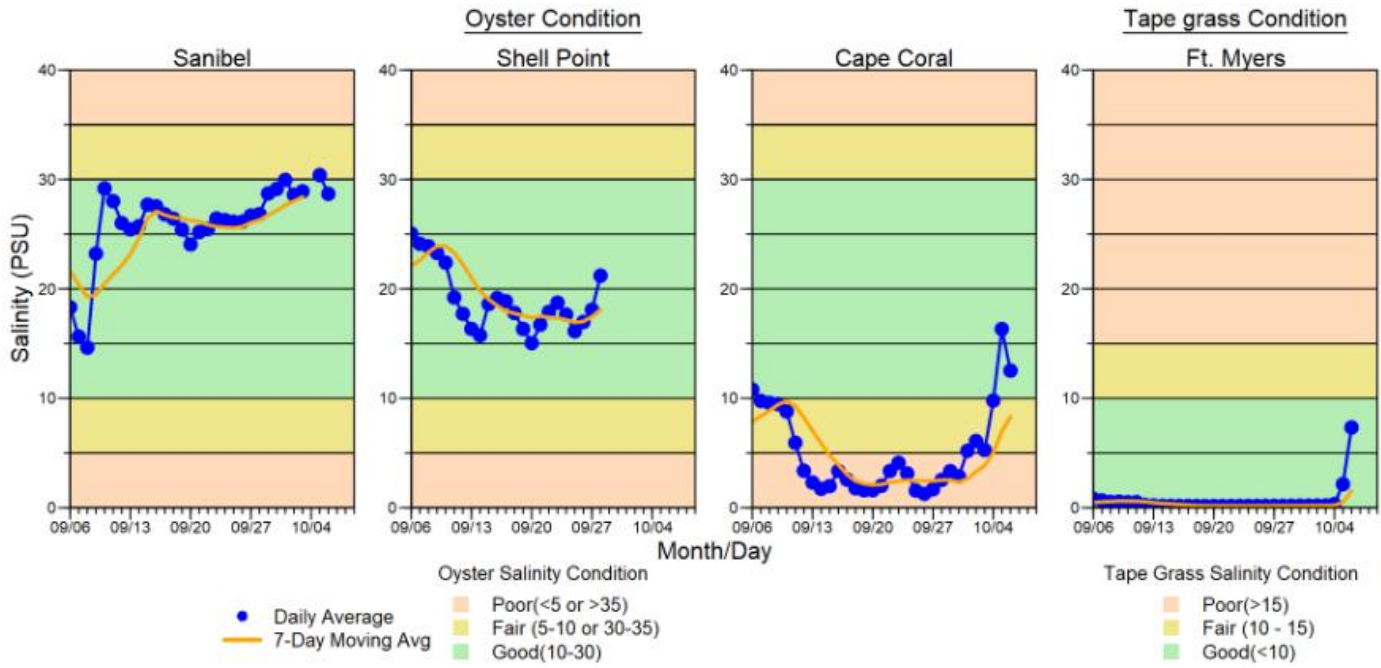
ND: no data

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 **3 patients** for suspected red tide/toxicosis: 1 juvenile brown pelican (still in care), 1 adult snowy egret (deceased) and 1 juvenile anhinga (deceased).



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
9/30/25	1929	736	0
10/1/25	2010	797	0
10/2/25	2954	784	0
10/3/25	NR	795	0
10/4/25	1734	682	0
10/5/25	1617	477	0
10/6/25	1136	349	0
7-day avg	1897	660	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 10-7-25 at 12:15 PM on a rising tide (2.6 ft).