

Light Penetration				
Site	25% Iz	Target Values	Turbidity	Target Values
	meters		NTU	
Fort Myers	1.0	> 1	1.4	< 18
Shell Point	1.8	>2.2	1.6	< 18
Causeway	4.0	> 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 has been over 10 psu for **74 days** and was **15 psu**, above the suitable range for **tape grass**. The weekly average was 15 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **33 psu**, in the optimal range for seagrass but **above optimal for oysters**. The phytoplankton in SCCF samples from Sanibel beaches during the week included mainly diatoms, low densities of *Pseudo-nitzschia* and no *Karenia* cells.

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	6.6 – 9.3 [7.3 – 9.9]	7.4 – 9.5	145	6.6	59.3 - 69.5
Fort Myers Yacht Basin	12 – 19 [11 – 19]	7.8 – 9.6	95	4.5	51.7– 62.9
Shell Point	27 – 35 [24 – 34]	7.5 - 8.7	35	1.3	52.1 – 61.3
McIntyre Creek	[34.4 – 36.1]	----	----	----	----
Tarpon Bay	[33.3 – 35.9]	----	----	----	----
Wulfert Flats	[----]	----	----	----	----

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

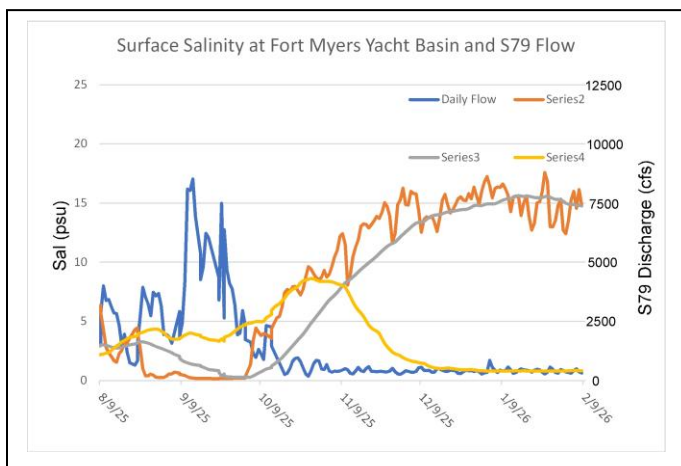
^f Temperature target values: < 90

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

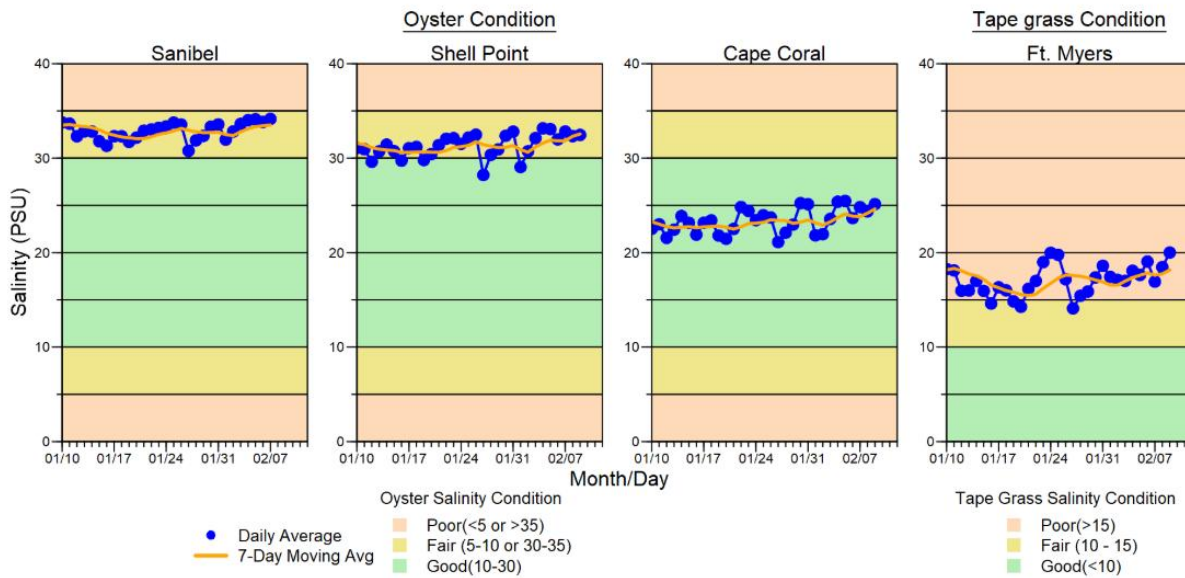
ND: no data

Wildlife Impacts: In the past week, the CROW wildlife hospital on Sanibel admitted **6 patients** for suspected red tide/toxicosis: 2 adult common loons (both deceased), 1 adult white ibis (deceased), 2 juvenile brown pelicans (1 still in care, 1 deceased) and 1 adult brown pelican (deceased).

Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef is **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 12/6/25.



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
1/3/26	339	275	193
1/4/26	304	318	136
1/5/26	417	251	216
1/6/26	492	145	207
1/7/26	370	146	213
2/8/26	316	146	216
2/9/26	307	146	213
7-day avg	364	204	199



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 2-10-26 at 2:22 PM on a rising tide (2.1 ft).