

Light Penetration

Site	25% I _z	Target Values	Turbidity	Target Values
	meters		NTU	
Fort Myers	1.0	> 1	2.5	< 18
Shell Point	1.8	>2.2	1.6	< 18
Causeway	3.4	> 2.2	2.2	< 5

25% I_z 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 18 days and was **13 psu, above the suitable range for tape grass**. The weekly average was 16 psu.

Lower Estuary Conditions: The weekly average salinity at the Shell Point RECON was **31 psu**, in the optimal range for seagrass but above optimal for oysters. The dominant phytoplankton in SCCF samples from Sanibel beaches during the week were diatoms including *Guinardia* chains and no *Karenia* cells were found.

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	8.0 - 11 [8.1 - 9.7]	4.5 -6.6	130	6.8	74.0 – 83.2
Fort Myers Yacht Basin	13 – 18 [11 – 16]	5.8- 7.8	100	4.1	70.3– 77.3
Shell Point	26 – 34 [21 – 34]	5.4 - 7.2	35	1.8	69.9– 76.0
McIntyre Creek	32.0 – 33.3 [32.2 – 33.2]	3.5 – 8.0	18.7 – 33.0	1.1 – 2.1	70.7 – 78.0
Tarpon Bay	32.7 – 35.1 [31.3 – 32.9]	5.3 – 7.7	16.1 – 47.2	1.2 – 1.9	70.5 – 76.2
Wulfert Flats	---- [34.0 – 35.3]	----	----	----	----

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

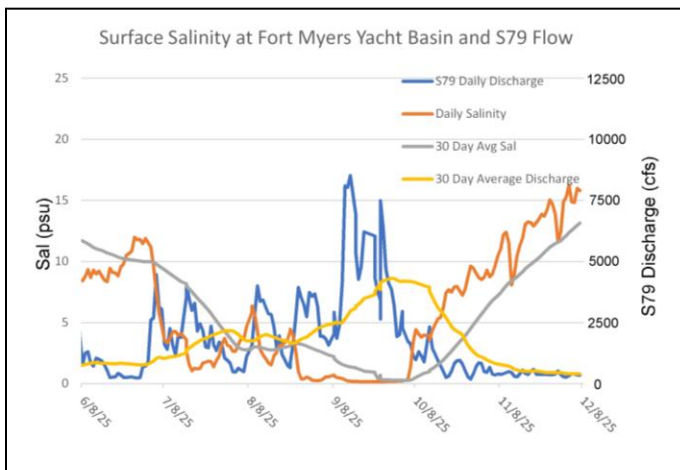
^d Chlorophyll target values: BI < 11, FM < 11, SP < 11

^f Temperature target values: < 90

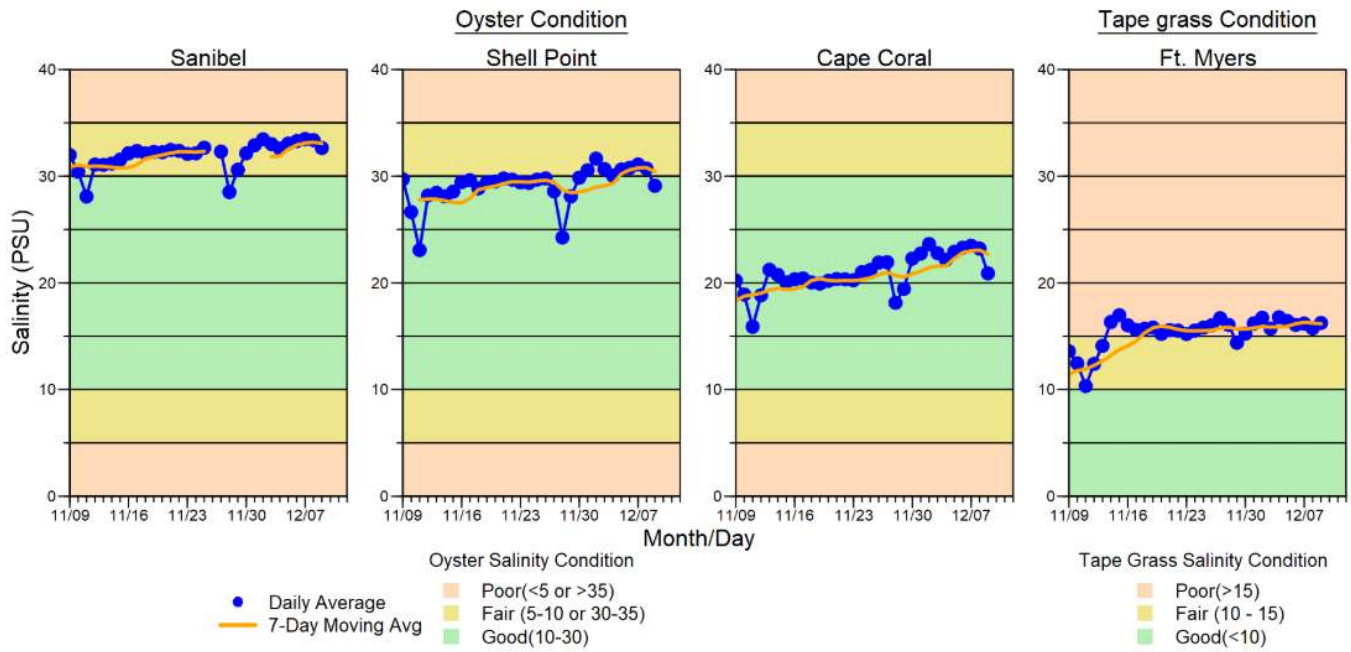
^s Single sonde lower and surface layer or surface grab lab measurement

ND: no data

Shellfish Advisory: Shellfish harvest area #6212 (Pine Island Sound Section 1); Aquaculture Lease and Public Reef 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)
12/2/25	325	224	205
12/3/25	410	244	381
12/4/25	389	170	526
12/5/25	352	171	512
12/6/25	347	388	741
12/7/25	379	358	719
12/8/25	541	170	224
7-day avg	392	246	473



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