

Light Penetration				
Site	25% Iz	Target Values	Turbidity	Target Values
	meters		NTU	
Fort Myers	1.0	> 1	1.6	< 18
Shell Point	1.7	>2.2	1.2	< 18
Causeway	3.2	> 2.2	3.0	< 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 **53 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 **31 psu**, in the optimal range for seagrass but **above optimal for oysters**. The phytoplankton in SCCF samples from Sanibel beaches during the week included small dinoflagellates, diatoms and silico-flagellates 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	8.1 – 11 [7.5 – 10]	4.6 – 7.0	110	6.5	67.1 - 80.3
Fort Myers Yacht Basin	12 – 17 [13 – 19]	6.7 – 8.3	100	6.0	59.2– 72.7
Shell Point	25 – 34 [25 – 34]	6.2 - 7.9	40	1.7	60.4 – 74.4
McIntyre Creek	33.2 – 35.0 [33.3- 34.2]	4.4 – 9.8	19.1 – 33.7	1.2 – 3.0	55.5 – 72.2
Tarpon Bay	33.0 – 35.3 [32.6 – 34.3]	5.9 – 8.2	25.3 – 55.7	1.1 – 3.7	57.6 – 71.9
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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

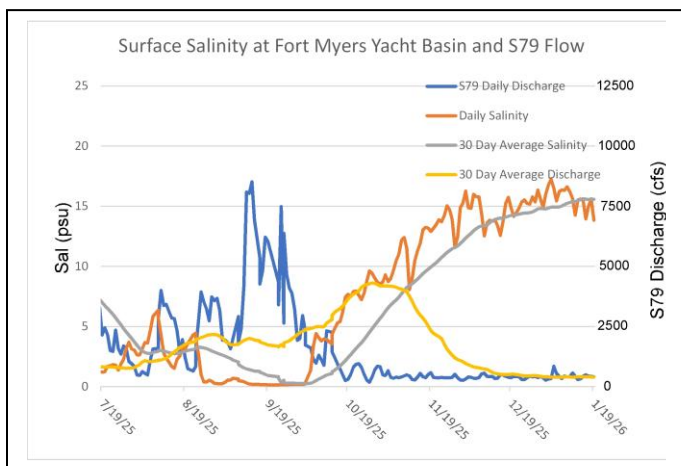
^f Temperature target values: < 90

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

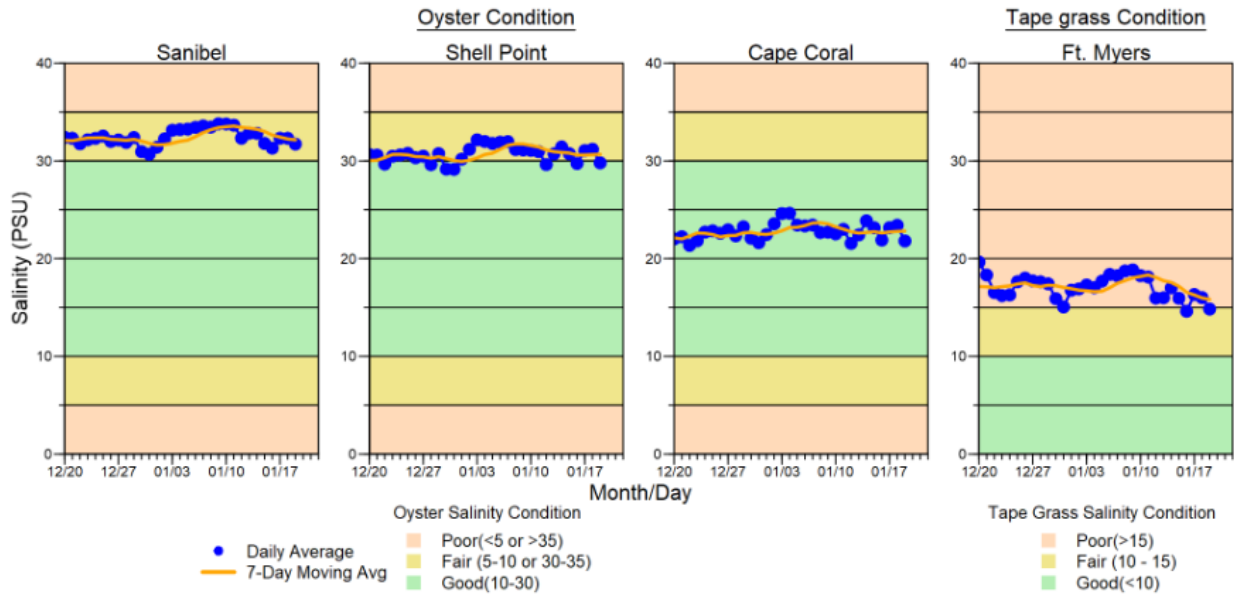
ND: no data

Wildlife Impacts: In the past week, SCCF documented one sea turtle stranding, a deceased loggerhead on Sanibel.

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)
1/13/26	298	305	289
1/14/26	335	488	703
1/15/26	434	266	832
1/16/26	493	176	388
1/17/26	447	175	164
1/18/26	432	172	262
1/19/26	417	174	535
7-day avg	408	251	453



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