

Site	Light Penetration		Turbidity NTU	Target Values
	25% Iz meters	Target Values		
Fort Myers	1.1	> 1	3.3	< 18
Shell Point	2.1	>2.2	1.5	< 18
Causeway	4.2	> 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 has been over 10 psu for 130 days and was 15 psu, above the suitable range for tape grass. The weekly average was 12 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 mainly small diatoms, few *Pseudo-nitzschia* and no *Karenia*.

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	2.4 - 11 [7.5 - 11]	----	120	5.0	76.6 - 83.5
Fort Myers Yacht Basin	8.2 - 18 [13- 18]	5.7 - 8.1	73	3.8	73.8 - 83.4
Shell Point	23- 36 [28- 36]	5.5 - 7.4	25	1.2	74.3 - 79.7
McIntyre Creek	32.6 - 35.7 [34.6 - 36.0]	4.4 - 9.6	10.4 - 21.3	0.8 - 1.5	72.6 - 79.8
Tarpon Bay	32.2 - 36.0 [35.2 - 36.1]	5.2 - 9.0	15.7 - 31.6	0.6 - 1.9	73.8 - 81.3
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

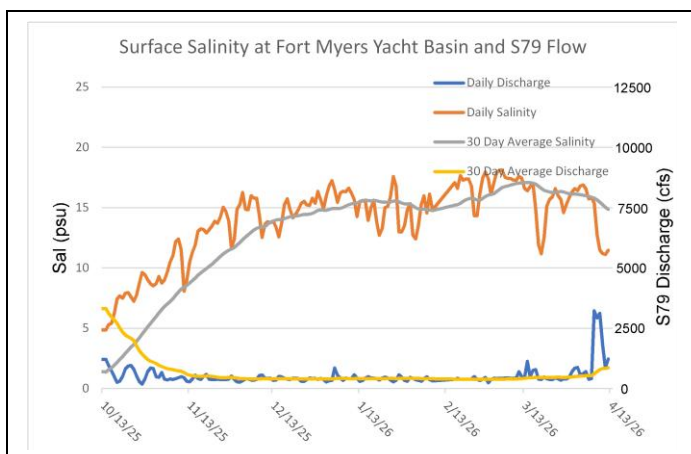
^f Temperature target values: < 90

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

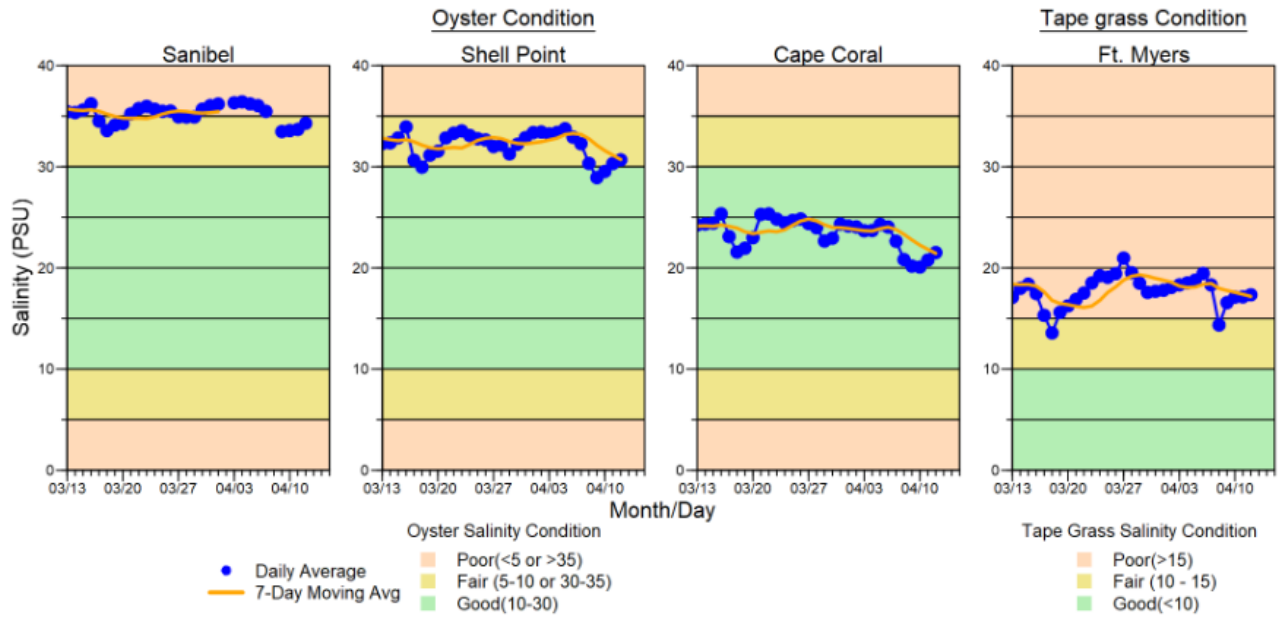
ND: no data

Wildlife Impacts: In the past week, the CROW wildlife hospital on Sanibel admitted 3 patients for suspected red tide/toxicosis: 1 juvenile red-footed booby (deceased), 1 adult brown pelican (still in care) and 1 adult royal tern (still in care).

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). SHA #6222 (North Matlacha Pass) and SHA #6232 (South Matlacha Pass) are also OPEN.



USACE Daily Reports			
Date	S79 Flow (cfs)	S78 Flow (cfs)	S77 Flow (cfs)
4/7/26	3222	1264	0
4/8/26	2925	1327	0
4/9/26	3116	1748	0
4/10/26	1796	822	62
4/11/26	857	747	0
4/12/26	1177	566	0
4/13/26	554	113	251
7-day avg	1,950	941	45



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 4-15-26 at 2:22 PM on a falling tide (1.9 ft).