

Weekly Water Quality Report

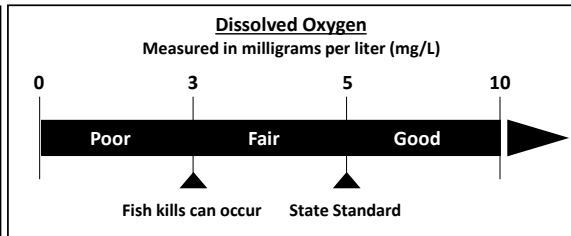
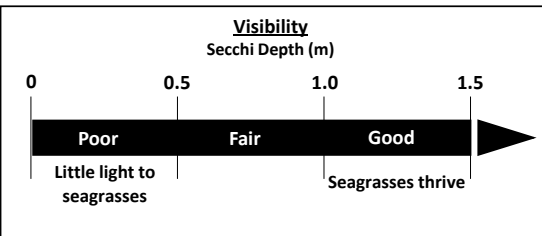
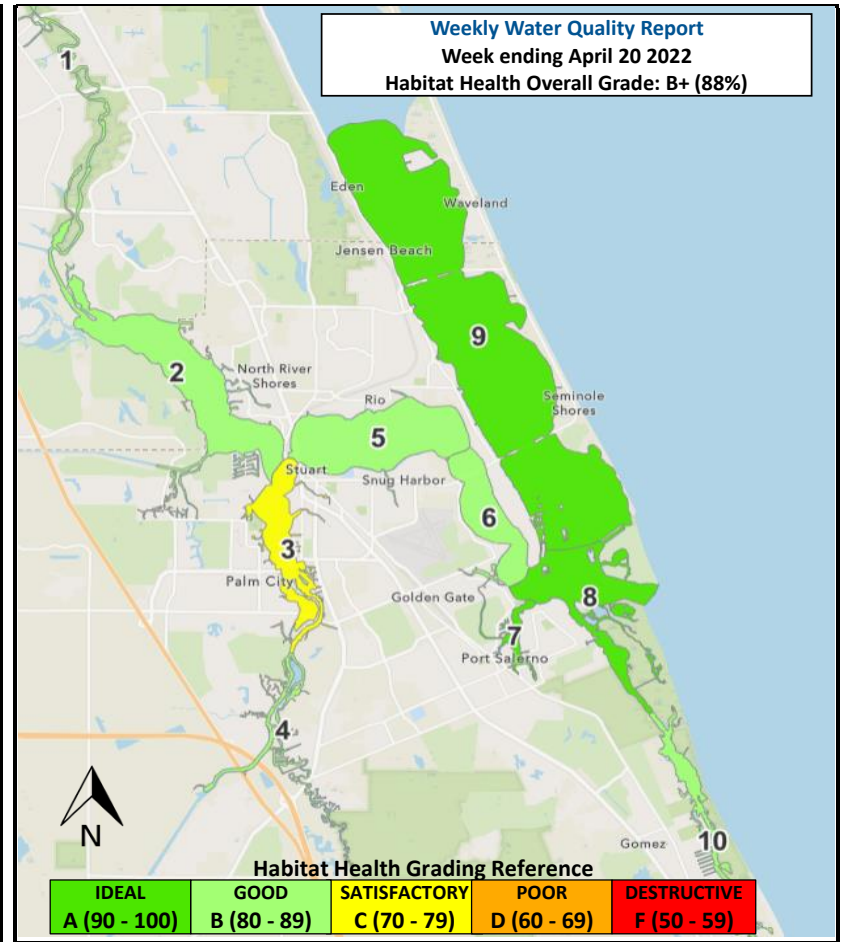
Data on water quality to assess habitat health in the St. Lucie Estuary and southern Indian River Lagoon is collected and provided by the Florida Oceanographic Society's Water Quality Understanding Estuary System Trends (WaterQUEST) program. For more information, past reports, or to support our water quality monitoring, visit www.floridaocean.org/water-quality



WATERQUEST
WATER QUALITY UNDERSTANDING ESTUARY SYSTEM TRENDS
FLORIDA OCEANOGRAPHIC SOCIETY

Reporting Week: April 14 2022 to April 20 2022

| HABITAT HEALTH OVERALL GRADE | | SCORE 88% | | GRADE B+ | | STATUS GOOD | | |
|------------------------------|-----------------------------|------------------|------------------|-----------------|-----------------------|--------------------|-------------------------|------------------------------|
| Zone | Location | # of Reports | Water Temp. (°C) | pH | Secchi Visibility (m) | Salinity (ppt) | Dissolved Oxygen (mg/L) | Score Grade Status |
| 1 | Winding North Fork | 3 | 24 | 8.1 | 0.7 Fair | 4 Good | 5.5 Fair | 87% B Good |
| 2 | North Fork | 3 | 26 | 8.0 | 0.5 Fair | 19 Good | 5.7 Good | 87% B Good |
| 3 | South Fork | 4 | 25 | 8.0 | 0.7 Fair | 18 Fair | 4.9 Fair | 71% C Satisfactory |
| 4 | Winding South Fork | 5 | 26 | 7.9 | 0.9 Fair | 5 Good | 5.1 Good | 87% B Good |
| 5 | Wide Middle River | 5 | 26 | 7.9 | 0.7 Fair | 26 Good | 5.0 Fair | 81% B Good |
| 6 | Narrow Middle River | 3 | 26 | 8.2 | 0.9 Fair | 33 Good | 5.7 Good | 87% B Good |
| 7 | Manatee Pocket | 3 | 26 | 8.1 | 1.0 Good | 32 Good | 5.4 Good | 97% A Ideal |
| 8 | Inlet Area | 3 | 26 | 8.3 | 1.4 Good | 35 Good | 5.7 Good | 97% A Ideal |
| 9 | Indian River Lagoon | 6 | 26 | 8.0 | 1.2 Good | 36 Good | 5.5 Good | 97% A Ideal |
| 10 | Intracoastal Waterway South | 3 | 27 | 7.9 | 1.1 Good | 27 Fair | 5.2 Good | 87% B Good |



Salinity
Measured in parts per thousand (ppt)

| Zone | Poor | Fair | Good |
|------------|-------------|-----------------|---------|
| 1 & 4 | < 1 or > 15 | 1 - 2 or 8 - 15 | 2 - 8 |
| 2 & 3 | < 10 | 10 - 15 or > 25 | 15 - 25 |
| 5 | < 15 | 15 - 20 | > 20 |
| 6 | < 20 | 20 - 25 | > 25 |
| 7 | < 20 | 20 - 27.5 | > 27.5 |
| 8, 9, & 10 | < 25 | 25 - 30 | > 30 |

Disclaimer: The data above indicates changes in water quality parameters to evaluate habitat health. This map is not to be used to indicate current bacteria levels, nutrient levels, or the presence of harmful algae blooms. For up to date information on bacteria levels, visit the Florida Health Beaches Program (www.floridahealth.gov/environmental-health/beach-water-quality). For up to date information on nutrients levels, visit ORCA Kilroy (<http://api.kilroydata.org/public/>) or HBO LOBO (www.irlon.org/?health). For up to date information about algae blooms, visit the Florida DEP's algae bloom dashboard (www.floridadep.gov/algabloom).