

Weekly Water Quality Report

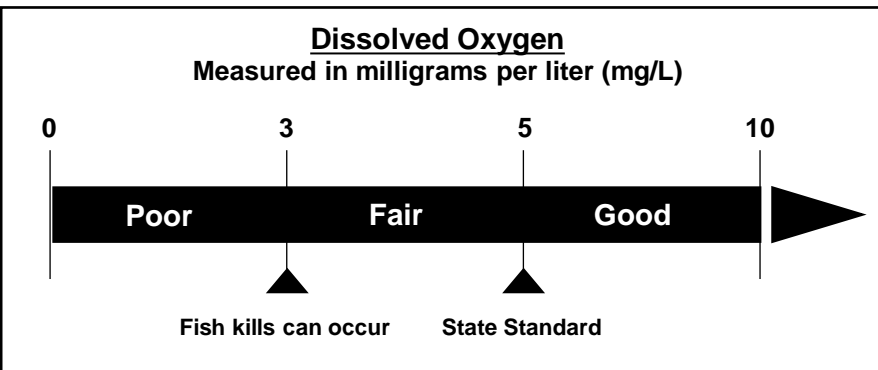
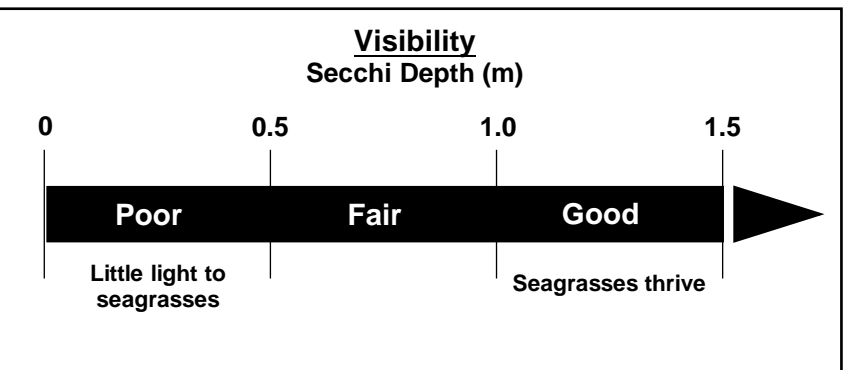
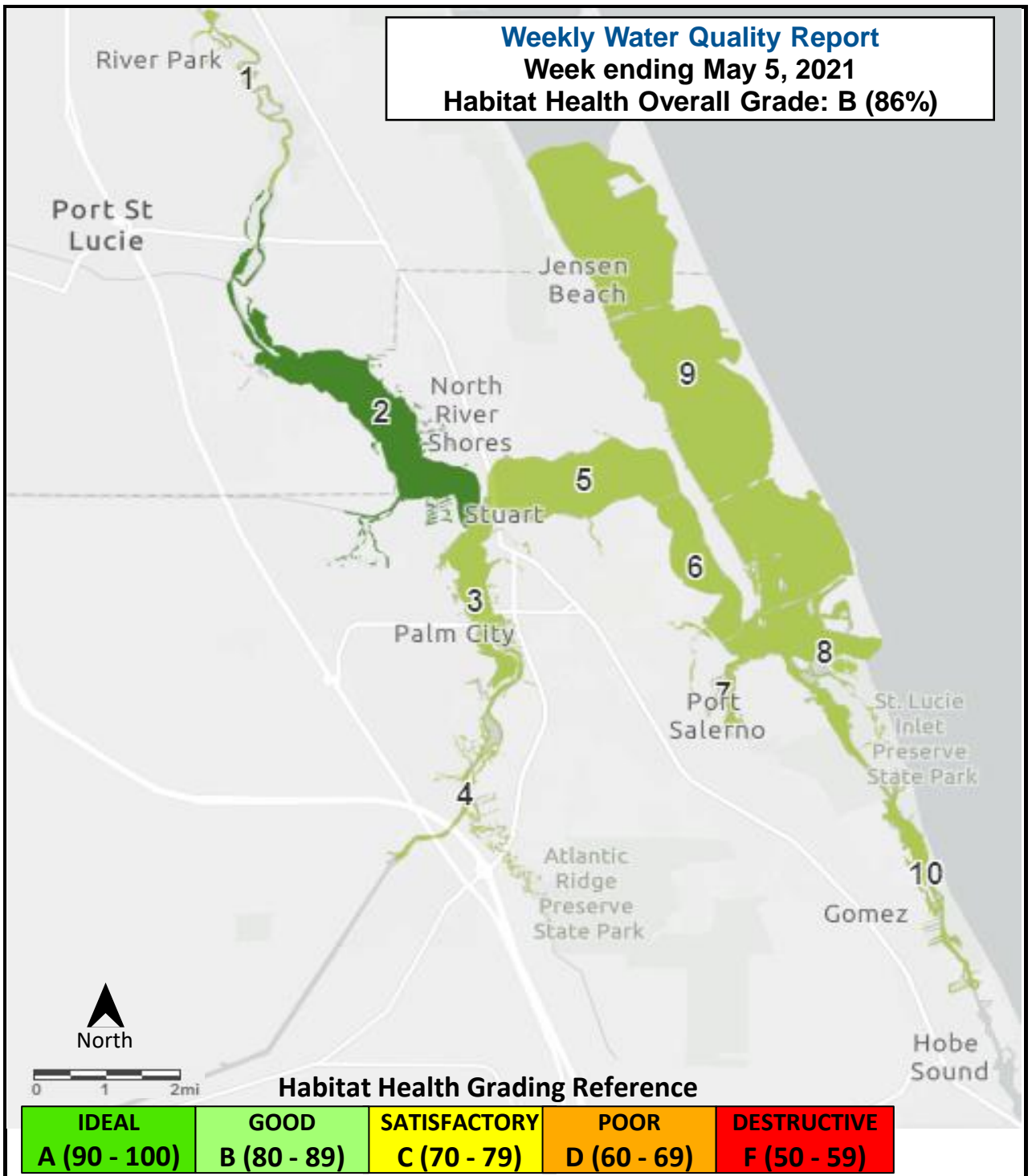
Data on water quality to assess habitat health in the St. Lucie Estuary and southern Indian River Lagoon is collected and provided by the Florida Oceanographic Society's Water Quality Understanding Estuary System Trends (WaterQUEST) program. For more information, past reports, or to support our water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



WATERQUEST
WATER QUALITY UNDERSTANDING ESTUARY SYSTEM TRENDS
FLORIDA OCEANOGRAPHIC SOCIETY

Reporting Week: 29-April 2021 to 5-May-2021

| HABITAT HEALTH OVERALL GRADE | | SCORE 86% | | 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 | 23 | 7.6 | 0.7 Fair | 3 Good | 5.4 Good | 87% B Good |
| 2 | North Fork | 2 | 30 | 8.1 | 1.1 Good | 15 Good | 5.5 Good | 97% A Ideal |
| 3 | South Fork | 3 | 27 | 7.9 | 0.6 Fair | 15 Good | 4.6 Fair | 81% B Good |
| 4 | Winding South Fork | 2 | 29 | 7.8 | 0.5 Fair | 3 Good | 5.0 Good | 87% B Good |
| 5 | Wide Middle River | 3 | 27 | 8.1 | 0.8 Fair | 22 Good | 4.5 Fair | 81% B Good |
| 6 | Narrow Middle River | 3 | 29 | 8.0 | 0.8 Fair | 28 Good | 6.8 Good | 87% B Good |
| 7 | Manatee Pocket | 3 | 29 | 7.9 | 0.9 Fair | 32 Good | 5.3 Good | 87% B Good |
| 8 | Inlet Area | 2 | 29 | 8.2 | 1.0 Fair | 33 Good | 4.9 Fair | 81% B Good |
| 9 | Indian River Lagoon | 4 | 27 | 25.5 | 0.7 Fair | 35 Good | 5.2 Good | 87% B Good |
| 10 | Intracoastal Waterway South | 1 | 28 | 7.6 | 0.6 Fair | 30 Good | 3.6 Fair | 81% B Good |



| Zone | Salinity Measured in parts per thousand (ppt) | | |
|------------|-----------------------------------------------|-----------------|---------|
| | 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 (<http://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 HBOI LOBO (<http://fau.loboviz.com/>). For up to date information about algae blooms, visit the Florida DEP's algae bloom dashboard (<https://floridadep.gov/algabloom/>).