

City of Key West

Water Quality Monitoring / Water Quality Improvement Plan

Alison Higgins
Resiliency Manager
ahiggins@cityofkeywest-fl.gov



KEY WEST FORWARD

The Strategic Plan for the City of Key West 2021-2024



The residents spoke:
Water Quality is Important

Key West Water Quality Improvement Plan

DRAFT



Karen Bohnsack, NOAA



Dr Nick Parr, FDEP



Dr Patrick Rice, CFK



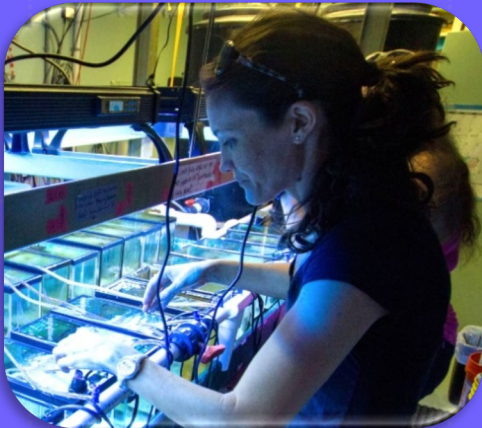
Shelly Krueger, UF/Monroe



Mil McCleary, Reef Relief



Dr. Emily Hall, Mote



Brittany Burtner, Monroe



Erin Nugent, Jacobs



Key West Water Quality Advisors



11 Goals:

- 1) Increase Partnerships to address Marine Debris and Derelict Vessels
- 2) Ensure Adequate Staffing and Support to Effectively Manage/Advance the WQIP
- 3) Data Management
- 4) Maintain Adherence to Best Management Practices/Technology for Stormwater Mgmt
- 5) Evaluate Existing Water Quality Improvement Program
- 6) Incorporate Contaminants of Emerging Concern (CEC) into Monitoring Programs
- 7) Strengthen Regulations to Reduce Marine and Boater Pollution
- 8) Advocate for Upstream Water Quality Improvements
- 9) Determine WQ Risks and Mitigation Actions Derived from Climate Change
- 10) Participate in Targeted, Shared Educational Campaigns
- 11) Maintain Adherence to Best Management Practices/Technology for Wastewater Mgmt

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Key West Water Quality Improvement Plan



FY25 Operational Plan: Water Quality Monitoring

CFK EPA Grant #2:
Contaminants of Emerging Concern



FDOH Partnership:
Increase Monitoring of Swimming areas

Beach Samples for: Monroe County				(for <i>Enterococcus</i>)		
1226	SMATHERS BEACH	1/14/2025	Good ?	No	?	View Samples



Key West Water Quality Improvement Plan

FY25 Operational Plan: Water Quality Monitoring

Entities: 10+

Sites: 46+

Parameters: 50+

- Short term / Past Monitoring
- Long term / Ongoing Monitoring



Key West Water Quality Improvement Plan



FY25 Operational Plan

Goal: Maintain Adherence to Best Management Practices/Technology for Wastewater Mgmt

Action: Obtain funding for Wastewater Pipe Infrastructure (#1)

Support Stock Island shallow injection well study (#2)

Goal: Maintain Adherence to Best Management Practices/Technology for Stormwater Mgmt

Action: Support Utilities in upgrading Stormwater Fee Tiers (#3)

Identify other potential WQ Policy languages (#14)

Tweak Pump Out language (#15)

Goal: Strengthen Regulations to Reduce Marine and Boater Pollution

Action: Better trash cans near ocean (#4)

Increase Clean Marina Certifications (#7)

Increase Marine Pump Out services (#17)

Annual Keyswide Debris workshop (#18)



Key West Water Quality Improvement Plan

FY25 Operational Plan

Goal: Improve Data Management

Action: Upload marina/landfill data to public database (#5)

Ensure all new data can be utilized in WIN public database (#9)

Create reports from marina/outfall/landfill data (#12)



Goal: Incorporate Contaminants of Emerging Concern (CEC) into Monitoring Programs

Action: Create Keyswide team to create CEC gameplan (#8)

Partner with CFK on CEC monitoring (in motion)

Partner with Monroe County on monitoring new mooring field (new)



Key West Water Quality Improvement Plan

FY25 Operational Plan

Goal: Participate in Targeted, Shared Educational Campaigns

Action: Outreach Plan (#11)

Fertilizer Campaign (#6)

Rainbarrel Campaign (#10)

Collaborate with WQPP Educational Committee (#13)

Publicize Conch Republic Marine Army (#16)

Encourage reporting of dumping (#19)

Share current research (#20)

Partnership with Reef Relief for Plastic Free Keys (in motion)



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Questions?

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