

# Key West & Stock Island DEP Water Quality Monitoring

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## Reasonable Assurance Plan Within 500 yards of shoreline

- EPA regulations allow states to place certain impaired water bodies into Category 4b of the Integrated Report Categories instead of Category 5 Impaired and needs a TMDL.
- The Florida Watershed Restoration Act (Section 403.067(4), F.S.) explicitly allows DEP to not list impaired waters under Category 5 if they already have control programs in place that will ensure water quality standards will be restored.
- These types of waterbodies impaired, but with control programs already being implemented to reduce pollutant loadings are placed in assessment Category 4b for Clean Water Act section 303(d) reporting purposes.

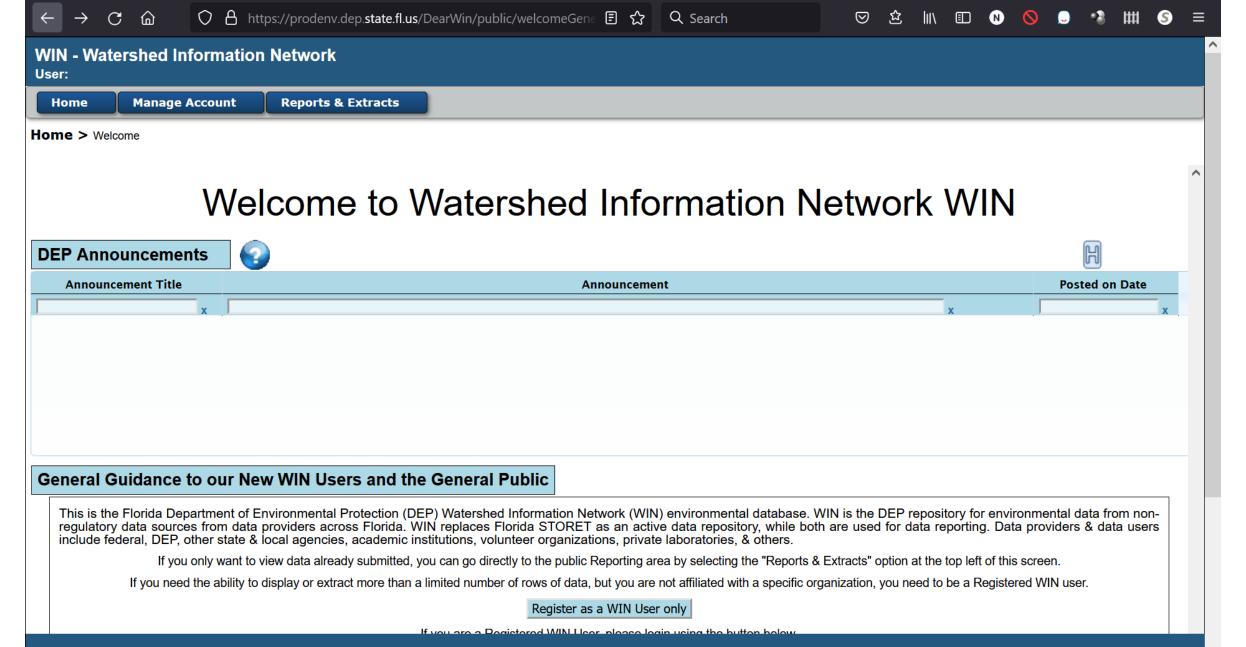




## Numeric Nutrient Criteria 500+ yards from shoreline

ENRG1 & ENRG3	Estuary Segment Code (ENR)
62-302.532(1)(g)3., F.A.C.	Rule Citation
0.3 ug/L	Chl-a Criterion
0.21 mg/L	TN Criterion
0.008 mg/L	TP Criterion

As of the conclusion of the recent monitoring program contracted to Monroe County (ending in October 2020), **none of the sites around Key West or Stock Island** were in violation of these numeric criteria.









#### Data Uploaded Within Last Year



- Department of Health currently samples beaches weekly for enterococci.
- Florida Lakewatch samples
   Stock Island sites periodically
   (7 events in 2020 with last
   event 12/2020) for nutrients,
   chlorophyll, and secci.
- FIU samples Gulf-side locations quarterly for as part of Water Quality Protection Program.



#### Requirements

- ✓ Lab must be **accredited** (e.g., Flower's Lab in Marathon).
- ✓ Field sampling must be done under Florida DEP standard operating procedures (SOPs), including daily calibrations.
- ✓ Equipment must meet all DEP/EPA quality control standards (e.g., YSI ProDSS).
  - ➤ These requirements may already be met.

Data is then converted into proper format and uploaded to WIN, which the WQPP has identified as a priority.



### Thank you!

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