

A satellite map of the state of Florida is shown, with a yellow outline of the state's border. The map displays various land features, including green areas representing vegetation, brown and tan areas representing land use or urban development, and dark blue areas representing water bodies. The text "Coastal Monitoring in Florida" is overlaid on the left side of the map in a large, bold, yellow font. Below this, the name "Steve Wolfe" is written in a white serif font, followed by "Florida Dept. of Environmental Protection" in a smaller, italicized white serif font.

Coastal Monitoring in Florida

Steve Wolfe
*Florida Dept. of
Environmental Protection*

Florida Coastal Monitoring

(Secretarial Strategic Priority)

Five linked pieces support effort to implement coastal monitoring:

1. Coastal Monitoring TAG
2. Water Resources Monitoring Council
3. Oceans and Coastal Resources Council
4. Existing local and regional monitoring programs
5. CAMA and FWC statewide monitoring

1. Coastal Monitoring TAG

- 1) Interagency TAG has created Monitoring Framework (draft complete 12/06)
- 2) Framework lays out goals and general approach. Among them:

1. Coastal Monitoring TAG

- Initiates monitoring of each area with 1-yr intensive effort (if no existing data), to provide cost-effective monitoring design by targeting key areas.
- Uses existing monitoring efforts where practical, expanding them to fill gaps in overall monitoring if possible.
- Does not expect existing programs to change from their own agency goals.
- Incorporates large-scale and small-scale status and trends monitoring.
- Provides annual report to public on status and trends at state, regional, and local scales.

1. Coastal Monitoring TAG

3) Planning for implementation underway

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2. Florida Water Resources Monitoring Council

- Composed of representatives from 9 state agencies and 1 from FLERA (Florida Local Environmental Agencies).
- Chaired by FDEP



2. Florida Water Resources Monitoring Council

- 4 objectives:
 - Develop water-quality data and metadata standards for adoption by state agencies.
 - Support development of a replacement for STORET for sharing WQ data
 - Mesh ongoing fresh water monitoring with new coastal monitoring network.
 - Coordinate Florida's monitoring efforts with federal programs.

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3. Florida Oceans and Coastal Resources Council

- Created by Florida Legislature to recommend research priorities.
- Submits Annual Science Research Plan
- Identified research ‘tools’– Mapping, Monitoring, Modeling
- Dubbed the “3Ms”

3. Florida Oceans and Coastal Resources Council

Monitoring is high priority in Annual Research Plan.

- 10 of 20 research recommendations support or involve monitoring.
- 2nd overall recommendation is Integrated Data Management, which seeks to improve collection, storage, and interpretation of data, and dissemination of resulting information.
- 3rd overall recommendation is to fund OOS, which will in part support the 1-yr intensive effort mentioned above.

Integrated Data Management and Dissemination

- *Data Focus Area 1: Enable more effective use of present and future data by establishing data-exchange (metadata) standards and requiring their adoption by appropriate state entities.*

Integrated Data Management and Dissemination

- *Data Focus Area 2: Establish means for comprehensive management of assessment, monitoring, real-time, and historical data, including support of researchers, storage and archiving of data, and easy access to data.*

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4. Existing Local / Regional Monitoring

- City, county, and WMD monitoring exists for many nearshore and estuarine areas.
- Federal agency programs ongoing in some areas
- Those that are compatible or willing to become compatible with monitoring network standards will be part of Monitoring Framework

Florida Coastal Monitoring

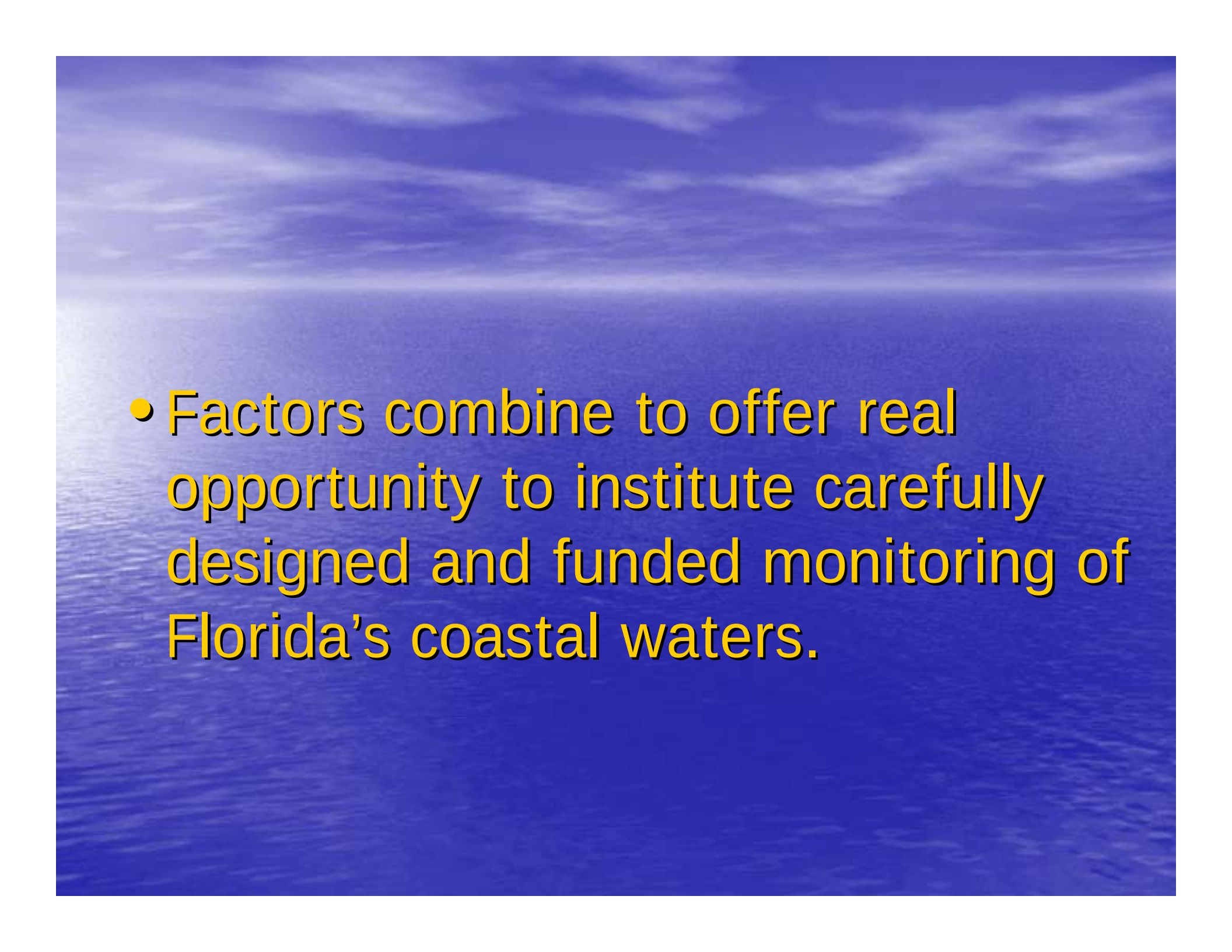
(Secretarial Strategic Priority)

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5. **DEP and FWC statewide monitoring**

5. CAMA & FWC Statewide Monitoring

- Both agencies have existing monitoring in areas around the entire state
- CAMA APs, NERRs, and Keys Preserve cover significant portion of nearshore Florida.
- FWC has field stations at multiple locations
- Combined agency's assets are situated to handle monitoring for gaps between existing programs.

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- Factors combine to offer real opportunity to institute carefully designed and funded monitoring of Florida's coastal waters.



In short:

**Coastal monitoring is
finally a big deal
in Florida.**