

Florida Water Resources Monitoring Council

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

07-08 Science Research Plan – *Funding Recommendations*

1. Council legislative tasks - \$150K

- Research Review - \$50K
- Resource Assessment - \$100K

Council decided to locate
development of these at FWRI in
association with GAME program

Research Review

- Required of Oceans Council
- “...the council shall review and compile the existing, ongoing, and planned ocean and coastal research and monitoring activities relevant to this state...To aid the council in fulfilling this requirement, all public agencies must submit the information requested by the council, and private research institutes are encouraged to submit relevant information to the maximum extent practicable.”

Research Review

- Required of Oceans Council
- “Upon receiving the information required by this subsection, the council shall develop a library to serve as a repository of information for use by those involved in ocean and coastal research. The council shall develop an index of this information to assist researchers in accessing the information.”

Resource Assessment

- Required of Oceans Council
- “a comprehensive oceans and coastal resource assessment that shall serve as a baseline of information to be used in assisting in its research plan. The Resource Assessment must include:”

Resource Assessment

- “(a) Patterns of use of oceans and coastal resources;
- (b) Natural resource features, including, but not limited to, habitat, bathymetry, surficial geology, circulation, and tidal currents;
- (c) The location of current and proposed oceans and coastal research and monitoring infrastructure;
- (d) Industrial, commercial, coastal observing system, ships, subs, and recreational transit patterns; and
- (e) Socioeconomic trends of the state's oceans and coastal resources and oceans and coastal economy.”

Resource Assessment

- The Oceans Council ... recommends to the Legislature a GIS-based application, similar in concept to the Florida Water Atlas but computer-based, interactive, and continually updated from local, state, and federal information sources.

Resource Assessment

- The Resource Assessment will form the core of the Council's Integrated Data Management strategy for handling science data in Florida and the portal for scientists, managers, policy makers and the general public to access those data. It will also be linked to real-time data collection in existing systems such as the Integrated Ocean Observing System.

07-08 Science Research Plan – *Funding*

**Integrated Data Management and
Dissemination, Data Focus Areas 1 & 2
- \$600K -**

07-08 Science Research Plan – *Funding Recommendations*

Integrated Data Management and Dissemination, Data Focus Areas 1 & 2 - \$600K -

Data Focus Area 1 - establishing metadata standards

- Seeks metadata standards by Jan 2008.*
- Council increased funding to speed process.*

07-08 Science Research Plan – *Funding Recommendations*

Integrated Data Management and Dissemination, Data Focus Areas 1 & 2 - \$600K -

Data Focus Area 2 –

- ***Task 1:*** Collaborate with State of Florida agencies on the design of a system that will store, manage, and maintain research and monitoring data while providing easy access over the internet. Provide cost estimates for implementation.

07-08 Science Research Plan – *Funding Recommendations*

Integrated Data Management and Dissemination, Data Focus Areas 1 & 2 - \$600K -

Data Focus Area 2 –

- *Task 2:* Undertake a pilot project to identify key historical data for rescue and restoration and develop methods to achieve restoration in a cost-effective manner. Have state and local agencies identify existing databases that are candidates for conversion and compile information describing data contained therein.

07-08 Science Research Plan – *Funding Recommendations*

Coastal Ocean Observing – up to \$1.5M –

Design and establish real-time interdisciplinary observing systems for Florida waters and contiguous waters important to and affecting the Florida coastline.

- Oceans Council seeks tangible results in coordinating between existing OOSs and Coastal Monitoring Network to establish coastal monitoring, with inclusion of biological component.

07-08 Science Research Plan – *Funding*

Phase 2 of Ocean Economics Study - up to \$400K –

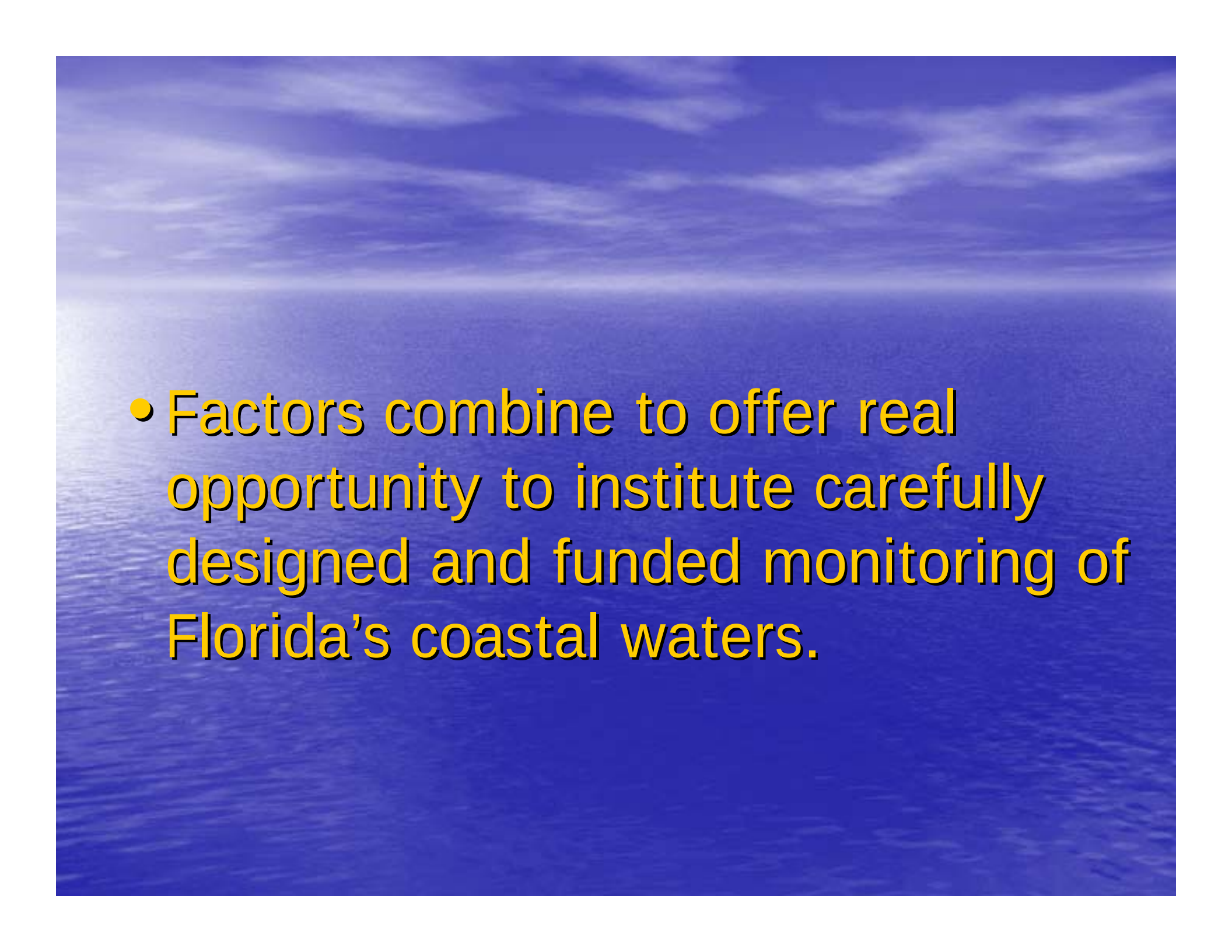
- Complete the work to determine the market and non-market values for all sectors of the Florida ocean and coastal economy using a consistent methodology and available data bases that can be repeated periodically to track the performance of each sector dependent on the coast and ocean. Make the information available to the legislature and the public on the web.

07-08 Science Research Plan – *Funding*

**Top 20 Research Components
- \$150K to \$1.65M –
(i.e., remainder of available funding)**

Priority research in Water Quality, Ocean and Coastal Ecosystems, and Tools and Technology.

- Fund research proposals that address the top 20 priorities of the Research list.

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