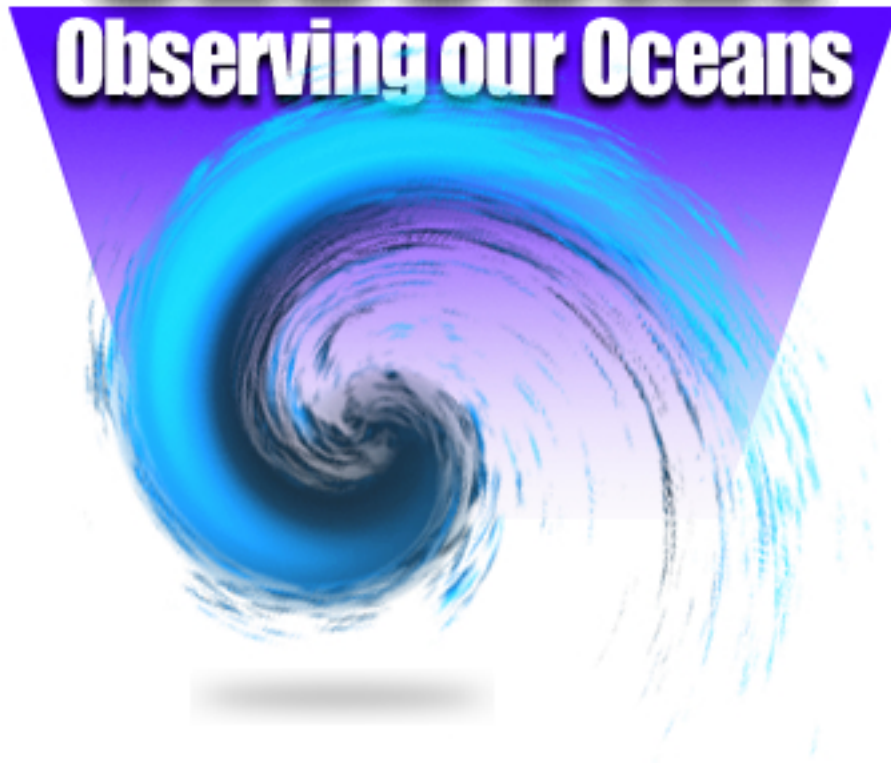


# **SECOORA**

**Observing our Oceans**



**Transitioning SEACOOS Extension  
and Education Web Site to SECOORA**

# History

**SEACOOS.ORG #1: "My SEACOOS"**

**Merged Wind Products**

**Blended Model Output**

**Fish Watch**

**Glossary**



**SEACOOS**

Observing Regional Ocean Conditions  
in the Southeastern United States



# History

**SEACOOS.ORG #2: "SEACOOS for us"**

**Community and Classroom Folder**

**Extension Sidebar**

**SEACOOS brochure**

**USCG SAR**

**PORTS**

**Healthy Beaches Program**

**Red Tide Study**



**SEACOOS**

Observing Regional Ocean Conditions  
in the Southeastern United States



# History

**SEACOOS.ORG #2: "SEACOOS for us"**

**Community and Classroom Folder**

**Waves Classroom**

**Hurricane Classroom**

**Boats, Buoys, and Science Teachers**

**COOS 101**

**Fish Match**

**(SEPORT poster**

**Sea Maven**

**Passport)**

# **History**

**SEACOOS.ORG #2: "SEACOOS for us"**

**Community and Classroom Folder**

**Posters**

**Presentations**

**Fact Sheets**

**Classroom Activities**

**Lesson Plans**

**Games**

**Science Standards**

**Charts**

**Specialized Glossaries**

**Link Farms**

**Surveys**

## **Lessons Learned**

**Original material is effort**

**Comprehensive original material is  
very large effort**

**Fewer resources than desire for  
original material**

**GIS for classroom requires more  
resources than currently invested**

**Specialized GIS required for  
classroom and extension**

**Simulations not available**

# **Recommendations**

**Split Education from Extension**

**Determine Metadata**

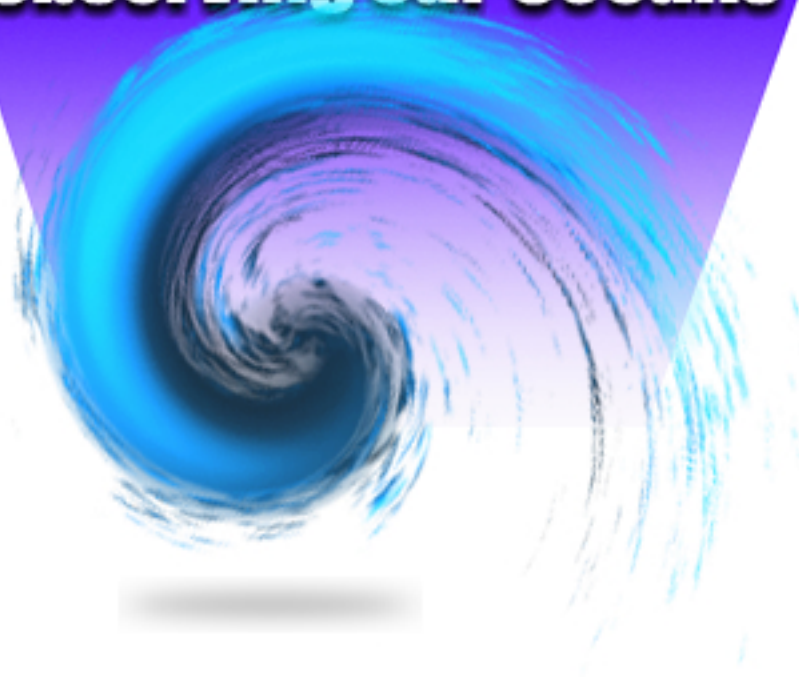
**Tighter Web Site Integration with  
Data Management**

**Require web component for funded  
activities**

**Transition SEACOOS to SECOORA**

# SECOORA

Observing our Oceans



**Transitioning SEACOOS Web Site to SECOORA**

## **Measurements**

**Peak Hours 8am – 10am ET**

**2 pages/second**

**Static maps**

**SEACOOS is its own best customer  
(13%)**

**Increasing web services load**

**Website Resources**

**Six 4-Way Servers**

**Private Subnet**

**GigE Connection**

**Generator Backup**

**Heavy Chillers**

**Remote Power Cycling**

**KVM over IP**

# Website Resources

**Apache**

**Squid**

**Pound**

**Zope**

**Plone**

**MapServer**

**PostgreSQL**

**Trac**

**Subversion**

SEACOOS Data Management - Trac - Mozilla Firefox

File Edit View Go Bookmarks Tools Help del.icio.us

http://trac.seacoos.org/datamgmt

custom SEACOOS Data Management - Trac



**SEACOOS DATA MANAGEMENT TRAC**

Search

Login Settings Help/Guide About Trac

Wiki Timeline Roadmap Browse Source View Tickets Search

Start Page Title Index Recent Changes Page History

### DMCC Quality Control Code Sprint, July 11-14, 2006

**NEW** SECOORA Data Management [⇒ IRC Channel: #secooradm](#) on irc.freenode.net

- [IrcHelp](#)

**NEW** RSS Feeds

- [XML](#) Project Timeline
- [XML](#) Tickets by Change Time
- [XML](#) Repository Revisions
- [XML](#) Tickets by ID Number

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« September 2006 »  
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## Southeast Coastal Ocean Observing Regional Association

SECOORA designs, implements, operates, and improves the provision of data, information, and products for marine and estuarine systems deemed necessary for common uses according to sound scientific practice. SECOORA serves the needs of users with measurements, telemetry, data management and communications, data analysis and modeling, and data visualization and publishing.

### Join SECOORA

SECOORA Terms of Reference (ToR) document describes membership requirements and identifies the process to establish a permanent governance structure. View the current list of members and designated representatives.

Per the ToR, organizations are invited to join by submitting a member designation letter on institutional letterhead, signed by an official who is authorized to act on behalf of the organization. Letters should be mailed to:

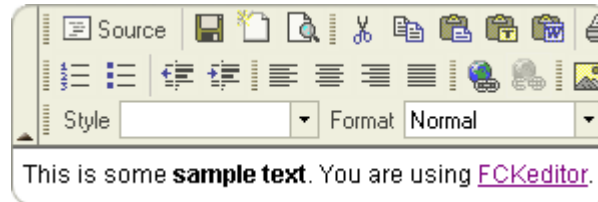
Susannah Sheldon, SECOORA Program Coordinator

Done 152.2.41.77



# Features

## MS Word-like content generation



## Creative Layout Assistance

## Branding and Navigation

## Groupware/Team Spaces

## Subsites

**classroom.secoora.net**

**community.secoora.net**

**science.secoora.net**

**dmac.secoora.net**



## BernArticle



Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts. Separated they live in Bookmarksgrove right at the coast of the Semantics, a large language ocean.



Status: Öffentlicher Entwurf



**A small river named Duden flows by their place and supplies it with the necessary regelialia.**

A small river named Duden flows by their place and supplies it with the necessary regelialia.

A small river named Duden flows by their place and supplies it with the necessary regelialia.



Status: Öffentlicher Entwurf

One day however a small line of blind text by the name of Lorem Ipsum decided to leave for the far World of Grammar.



Status: Öffentlicher Entwurf

On her way she met a copy. The copy warned the Little Blind

# **Extension**

**COOS News and Events**

**Who Are We?**

**Who Are You?**

**Fishermen**

**Boaters**

**Beach Goers**

**Coastal Residents**

**News and Media**

**Link Farm**

**Feedback**

## **Extension**

### **Fishermen**

**Temperature**

**Salinity**

**Surface Currents**

**Chlorophyll**

**Bathymetry**

**Putting it all together**

**Water Level/tides**

**SECOORA asset inventory**

**Archive Data**

## **Extension**

### **Boaters**

**Temperature**  
**Surface Currents**  
**Coastal Wind**  
**Wave height**  
**Water level/tides**  
**SECOORA asset inventory**  
**Safety Information**

## **Extension**

### **Beach Goers**

**Temperature**

**Surface Currents**

**Wave height**

**Any hazards today**

# **Extension**

## **Coastal Residents**

**Water level: when to evacuate**

**Location Matters**

**Weather Warnings**

**Community Events**

**Coastal erosion**

# **Education**

**COOS News and Events**

**What is a COOS?**

**Educational Products and Resources**

**COOS in the Classroom**

**COOS for Students**

**Feedback**

# **Education**

## **What is a COOS?**

**SEACOOS Brochure**

**COOS 101 Presentation**

**How to use COOS**

**Observations maps**

**COOS glossary**

**Interactive map**

# **Education**

## **Educational Products and Resources**

**Boats, Buoys, & Teachers DVD**

**COOS Science DVD**

**SEPORT Posters**

**COOS in the Southeast**

**SECOORA**

**EARTH**

**COOL Classroom (COSEE MA)**

**DLESE**

**The Bridge**

**NOAA Coastal Services Center**

**USGS**

**NOAA Data Buoy Center**

**Professional Development**

# **Education**

## **COOS in the Classroom**

**Virtual Waves Classroom**

**Virtual Hurricane Classroom**

**Virtual Circulation Classroom**

**Nat'l & State Science Standards**

# **Education**

**COOS for Students**

**SeaMaven**

**Fishmatch game**

**Observe the Coastal Ocean**

**Observations  
Modeling  
Data Management**

**What Is Your Site Map?**

# **Resource Distribution by Role**

**End Users**

**Content Authors**

**Content Reviewers/Editors**

**Server Administrators**

**Site Administrators**

**Graphic Designers**

**UI Designers**

**Web Developers**

**Advanced Web Developers**

**Architects/Software Managers**