



UNITED STATES DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION



# *NOAA's Role in a National Framework for Coastal and Marine Spatial Planning*

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Senior Science Advisor to the  
NOAA Administrator  
Environmental Law Institute Seminar  
January 26, 2010



# Why CMSP Is Important



“Coastal and marine spatial planning may sound like the stuff of policy wonks, but it is actually vital to anyone who works or plays on the oceans. In fact, coastal and marine spatial planning is an essential tool for anyone who depends on the oceans for sustainable jobs, healthy seafood, clean energy, recreation or vibrant coastal communities.”

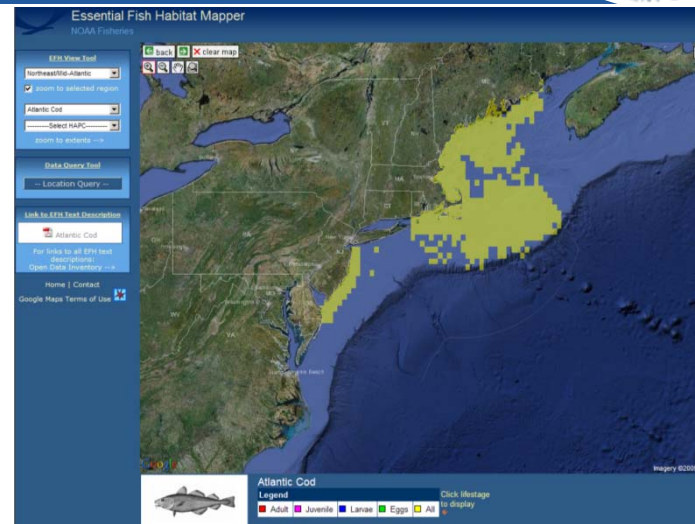
- *Dr. Jane Lubchenco, NOAA Administrator and member of the Interagency Ocean Policy Task Force December 14, 2009*



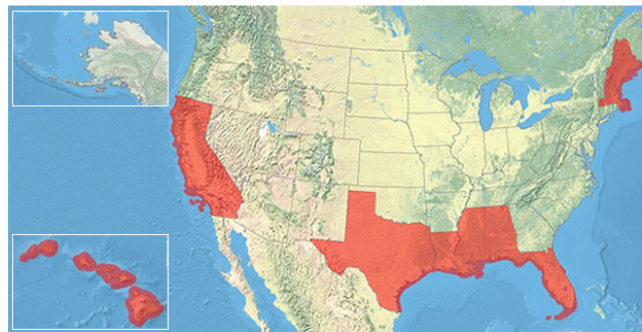
# NOAA's Roles in CMSP

## NOAA Capabilities That Contribute to CMSP

- Observation and monitoring
- Navigation charts and ocean mapping data
- Weather and climate prediction
- Ecosystem mapping and characterization
- Geospatial referencing
- Ecological modeling and forecasting
- Stakeholder engagement + planning processes
- Links to coastal states and regional partnerships
- Place-based management authority
- Socioeconomic assessments



## Digital Coast: Legislative Atlas



### View the Atlas

Users can select an area on a visualize the coastal and ocean apply to that area.

### Search Legislation

Search laws by:

Select

### Download the Atlas

Download Legislative Atlas data explore. The layers are available as shapefile or Google Earth KML

### The Legislative Process

A complex system of laws, organizations, and strategies govern the uses of the nation's ocean and coastal resources.

[Explore](#)

### About Legislative Atlas

Use the Legislative Atlas to pinpoint the laws, policies, and jurisdiction in the ocean specified by the user.

[Learn more](#)



# NOAA Priorities in Developing the CMSP Framework

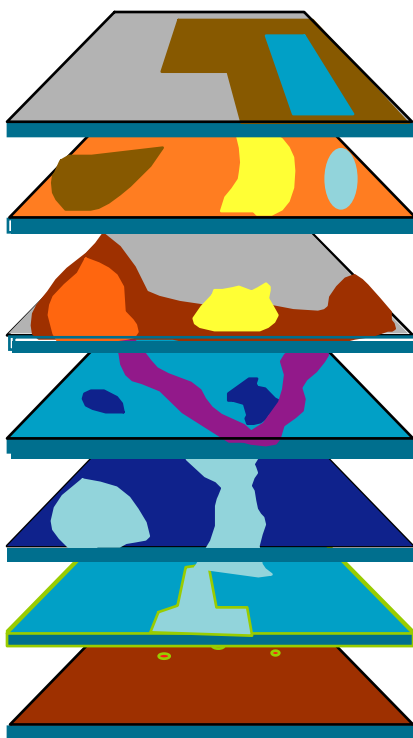
## Scientific Knowledge & Data Integration, Research, Management and Access:

- Acknowledges that CMSP is fundamentally science-based and that existing scientific data and knowledge must be supplemented by additional research.
- Calls for mechanisms to identify priority research needs.
- Directs development of a national information management system with a central or regional portals to connect CMSP information.
- Nationally consistent derived data products to be developed to provide a consistent framework for regional assessments.



# Spatial Data Framework

*Data needed to support comprehensive CMSP*



*Marine Cadastre (jurisdictional boundaries and limits)*

*Georegulations (legal framework)*

*Marine Infrastructure*

*Geology and Seafloor*

*Marine Habitats and Biodiversity*

*Human Uses*

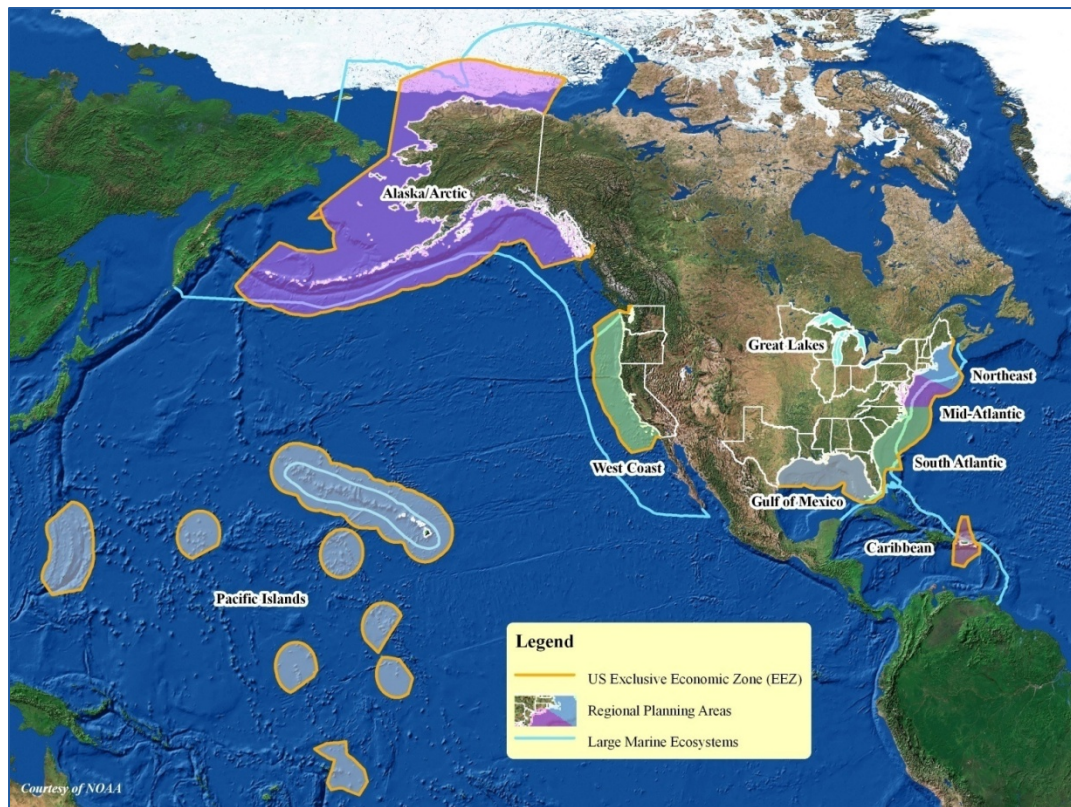
*Base Maps*



# NOAA Priorities in Developing the CMSP Framework (con't.)

## Regionally Based CMSP That:

- Builds upon existing regional ocean governance efforts and NOAA's strong partnerships and working relationships with states.
- Is flexible to meet individual regional planning needs.
- Syncs up with Large Marine Ecosystems.





# Multipurpose Marine Cadastre

**FGDC**  
MARINE BOUNDARY WORKING GROUP

**U.S. Marine Cadastre** Project Home

Legend Find Results Print Help Info Show Advanced Tools Zoom In

Select Area...

**LAYERS**

- All Layers
- Jurisdictional Boundaries & Limits
- Federal Georegulations
- Navigation & Marine Infrastructure
- Proposed Energy Projects
- Geology & Seafloor Data
- Marine Habitat & Biodiversity
- Base Maps

Refresh Map

Auto Refresh

Data Download

Toggle All Symbology

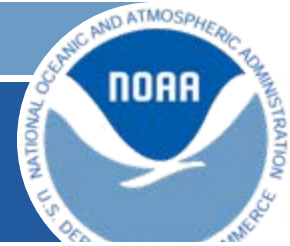
Help:

- A closed group, click to open.
- An open group, click to close.
- A hidden group/layer, click to make visible.
- A visible group/layer, click to hide.
- A visible layer, but not at this scale.
- A partially visible group, click to make visible.
- An inactive layer, click to make active.
- The active layer.
- Additional information about this layer is available.

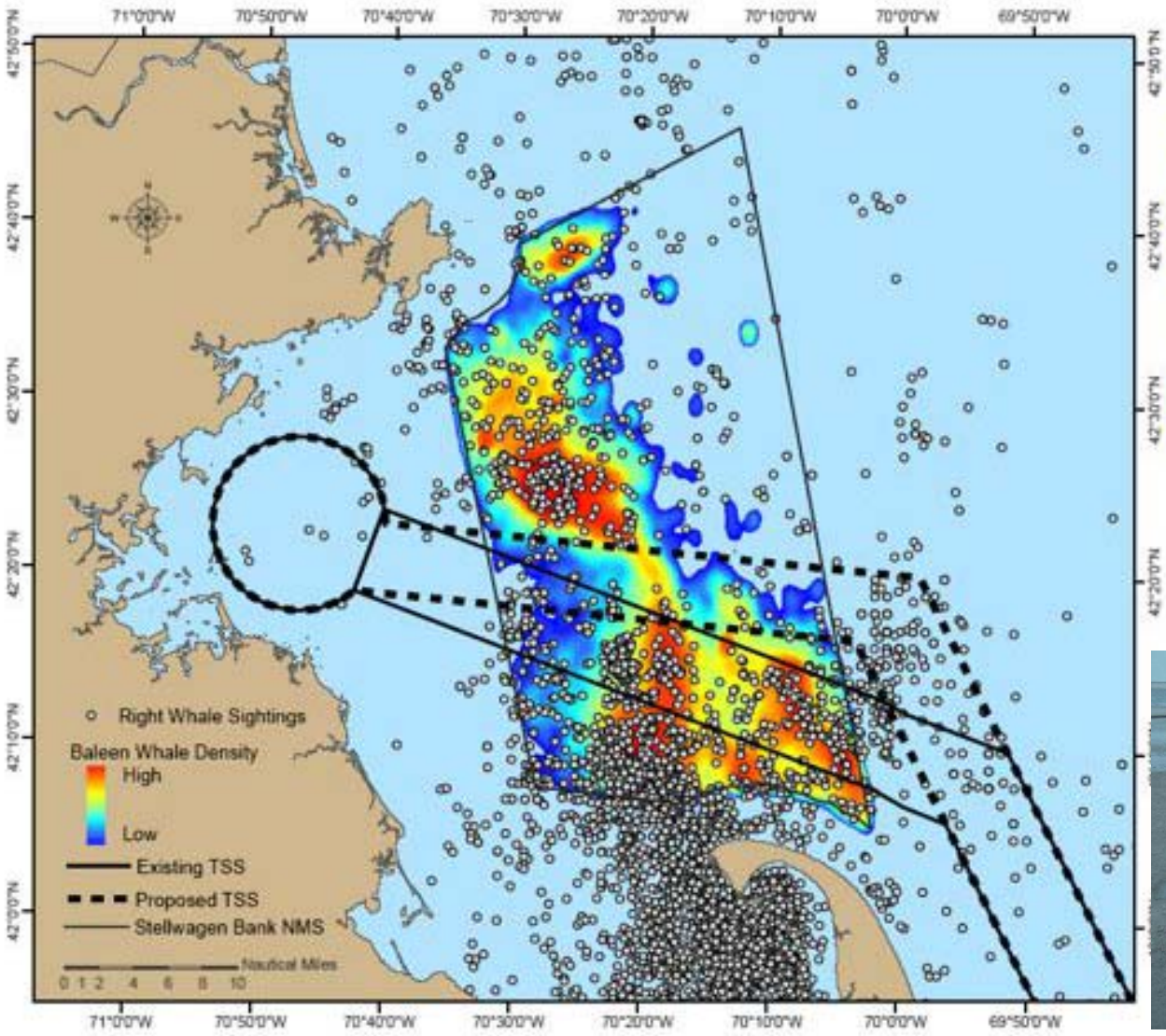
NOAA Coastal Services Center

US DOC | NOAA | NOS  
NOAA Coastal Services Center

Privacy policy  
Questions or Comments? Contact CSC  
Updated on February 21, 2008



# Coastal & Marine Spatial Management



**Rotate shipping lanes 12° to an area where right whale density is historically lower.**

**Up to 58% reduction in risk of ship strikes**

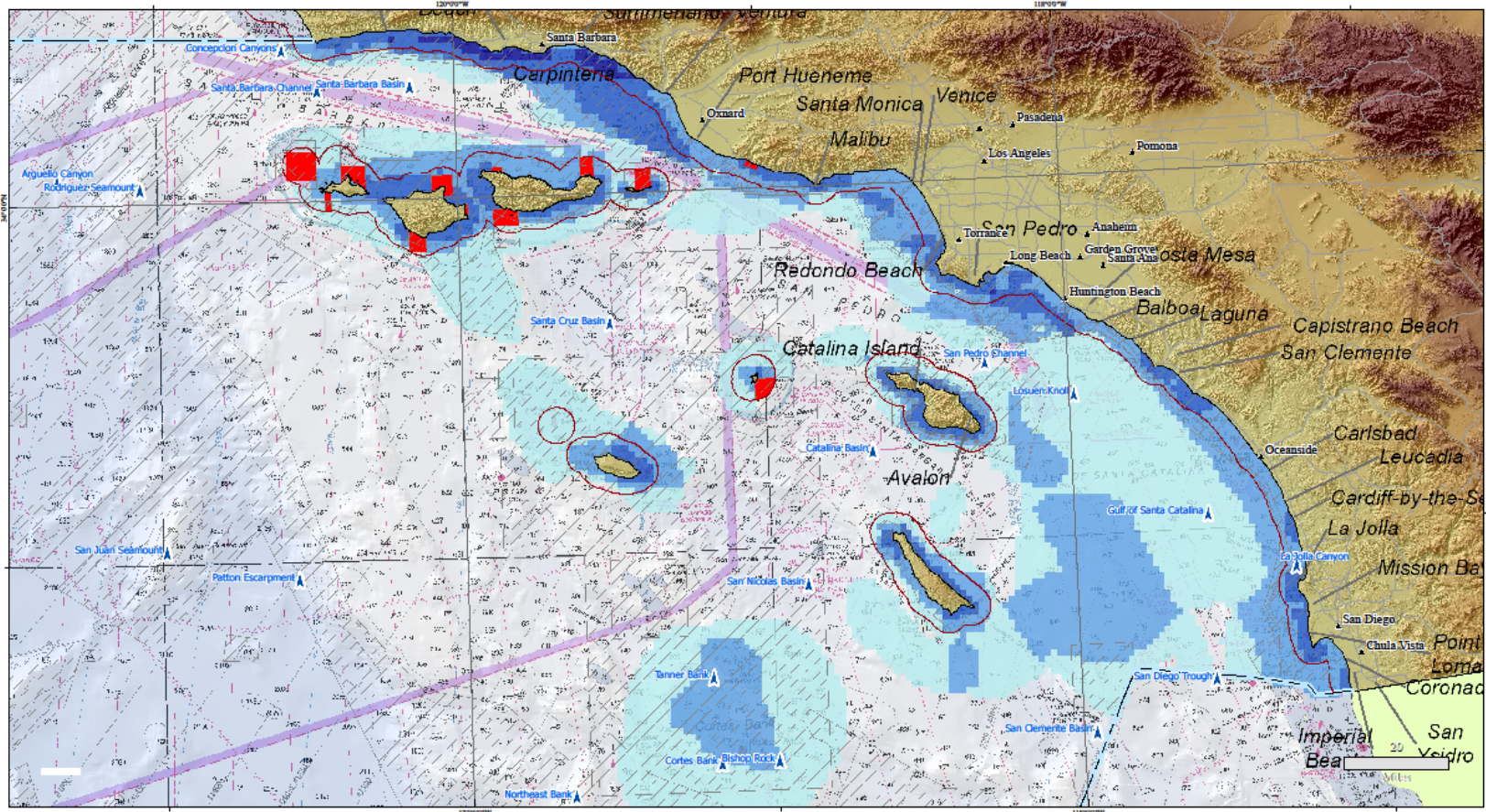
**Whale density  
Red = highest density**







# Ocean Uses Atlas



**Submersed Features**  
 Atlas Southern California Region  
 Restricted Fishing  
 Commercial No Take MPAs  
 Dominant Use Count



## DRAFT

### Ocean Uses Atlas: Southern California Region Dominant Use Areas: Commercial Fishing

January 2009

Draft mapping product for the California Ocean Uses Atlas Project. With funding provided by The Gordon and Betty Moore Foundation, The Resources Legacy Fund Foundation and NOAA's National MPA Center.





# NOAA's Role in Implementation of the CMSP Framework

**NOAA can provide science and services to support the successful implementation of Regional CMS plans by:**

- Using its existing spatial management authorities and programs to execute relevant aspects of regional CMS plans;
- Leveraging the capabilities and capacity of existing NOAA regional networks; and
- Aiding the integration of new data and scientific findings to refine regional objectives and their respective goals as CMS plans are monitored, evaluated and adaptable.

# Marine Spatial Planning

Home News Events Resources

Basic Concepts

Tools

Data

In Practice

Human uses of ocean resources are accelerating faster than our ability to manage them. The marine spatial planning process identifies areas most suitable for types of human uses in order to sustain economic, ecological, and cultural resources for future generations.



Basic Concepts



Tools



Data



In Practice

## Latest News

### Massachusetts Releases Final Version of Ocean Management Plan

**January 4, 2010** – Massachusetts Secretary of Energy and Environmental Affairs Ian Bowles released that state’s comprehensive marine spatial plan to protect marine resources and foster sustainable uses in state waters. The final Ocean Management Plan provides new protections for critical environmental resources in nearly two-thirds of Massachusetts’ coastal waters and sets standards for the development of community-scale and commercial-scale offshore wind energy, as well as other infrastructure.

## Ocean Policy Task Force

On June 12, 2009, President Obama signed a memorandum establishing an Interagency Ocean Policy Task Force, led by the White House Council on Environmental Quality. The Task Force is charged with developing recommendations in 180 days for a national ocean policy, a framework for improved stewardship, and effective coastal and marine spatial planning.

[Learn more...](#)

## About This Website

The purpose of this website is to provide clear information to help managers, policy makers, and all

## What is marine spatial planning?

There are a number of definitions for marine spatial planning. According to the United Nations Educational, Scientific, and Cultural Organization, marine spatial planning is a public process of analyzing and allocating the spatial and temporal distribution of human activities in marine areas to achieve ecological, economic, and social objectives that usually have been specified through a political process.

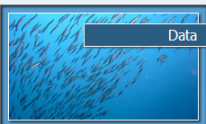
<http://www.msp.noaa.gov/>

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**NOAA** NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
UNITED STATES DEPARTMENT OF COMMERCE

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SEARCH

## Marine Spatial Planning: the Key to Our Crowded Oceans

October 15, 2009



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- [About Marine Spatial Planning](#) [3:52]
- [Video Postcard from Oregon's Coast](#) [3:20]
- [Restoring Our Coasts and Our Economy](#) [3:19]
- [Video Postcard From Seattle, WA](#) [6:34]
- [Message to NOAA Northeast Fisheries Employees](#) [3:13]
- [All hands message to NOAA employees](#) [6:10]

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