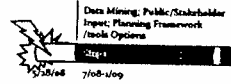


Ocean Advisory Council

December 11, 2008



MA Ocean Planning Process



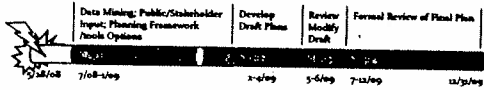
MA Ocean Planning Process



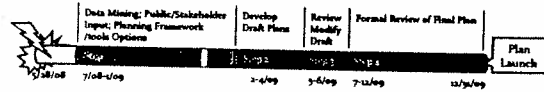
MA Ocean Planning Process



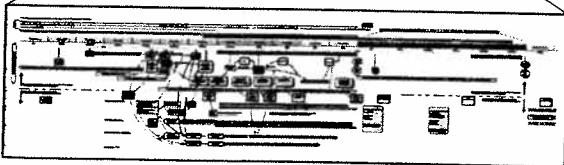
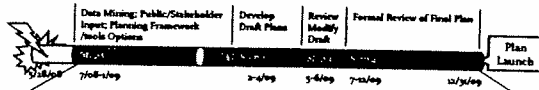
MA Ocean Planning Process



MA Ocean Planning Process



MA Ocean Planning Process

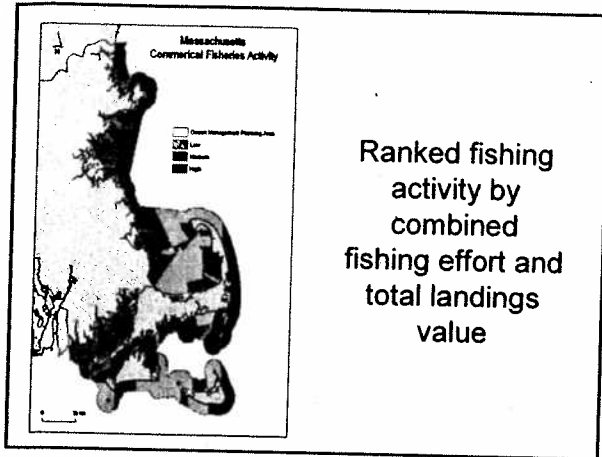


The Massachusetts Ocean Management Planning Process

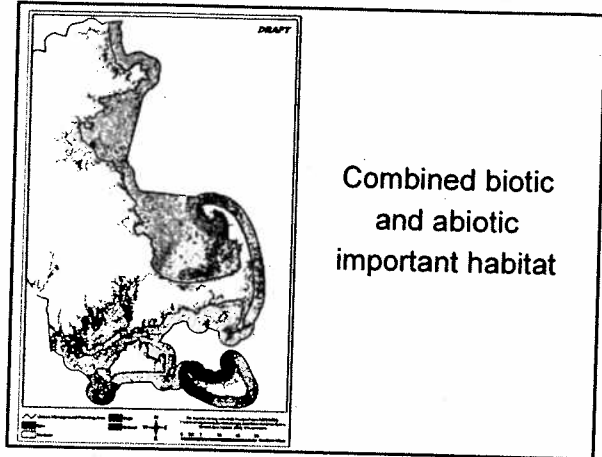
- Completed public listening sessions
- Finishing stakeholder meetings
- Held ocean planning workshop
- Workgroup reports completed
- Reviewing draft products from MOP consultants
- Developing goals and objectives
- Planning Step 2 plan development process

Timeline: 7/28/08 - 7/08-10/09 - 2-4/09 - 5-6/09 - 7-12/09 - 12/31/09

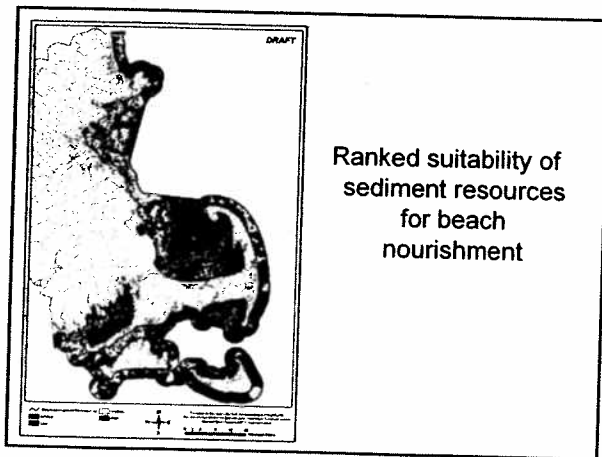




Ranked fishing activity by combined fishing effort and total landings value



Combined biotic and abiotic important habitat



Ranked suitability of sediment resources for beach nourishment

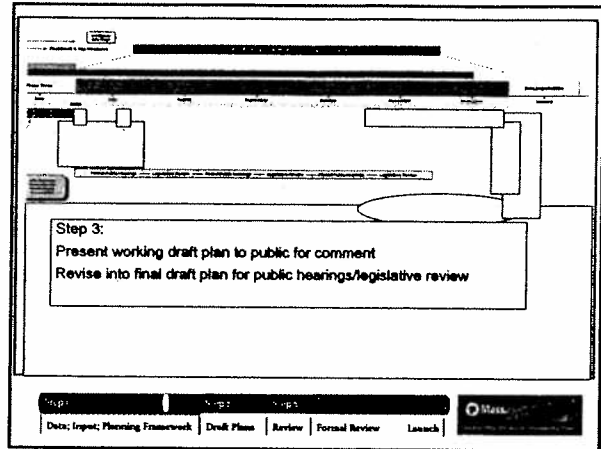
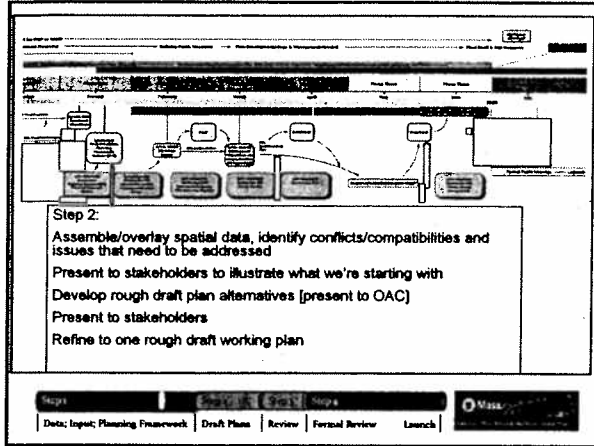
The Massachusetts Ocean Management Planning Process

Now until Step 2:

- Review all materials – public comment/SH reports, workgroup reports, EDM Science Tools report, Plan Framework alternative recommendations
- Develop goals and objectives
- Develop/determine what our plan framework will be

Steps: Step 1 | Step 2 | Step 3 | Step 4

Data: Input: Planning Framework | Draft Plan | Review | Formal Review | Launch



Public listening sessions

- Intent was to:
 - Inform public of Act, plan development
 - Listen:
 - Develop understanding of issues/ opportunities
 - Solicit input on plan goals
 - Develop list of interested parties

Public listening sessions

- Issues
 - Use of ocean resources for jobs/economic benefit (*commercial fishing, aquaculture, shipping, tourism*)
 - Alternative energy (wind)
 - General support for identifying "appropriate" locations (*economic or environmental criteria, job creation, energy rates, geography*)
 - Local coordination, viewsheds, fishing/buffers, decommissioning, review streamlining
 - Tidal, wave (some)

Public listening sessions

- Issues
 - Species/habitat management and protection
 - Special, sensitive, unique
 - Economically important
 - Fish, whales, birds
 - Habitat restoration for ecological diversity, recreational, and/or commercial purposes

Public listening sessions

- Issues
 - Related to plan process
 - Importance of public input
 - Related to plan itself
 - Science-based, flexible to incorporate new data
 - Ecosystem-based
 - Regional approach
 - Related to implementation
 - Performance standards
 - Funding
 - Future research

Public listening sessions

- Summary of issues
 - Wind ↔ fishing, recreation, environment
 - Sand mining ↔ habitat
 - Supporting aquaculture/local fishing
 - How to address activities in federal waters
 - Shipping ↔ Recreation ↔ Habitat ↔ Safety
 - Ocean plan ↔ fisheries management
 - Incorporating new information

Public listening sessions

High Frequency (raised 10+ times)	<ul style="list-style-type: none"> • Alternative energy – wind • Jurisdictional coordination (local, state, and federal) • Protection of unique, sensitive, or threatened species • Protection of local fishing industry interests, fisheries • Importance of continued citizen engagement and outreach • Eco-system based approach • Ocean as a public trust resource
Medium Frequency (raised 4-9 times)	<ul style="list-style-type: none"> • Sound science - approach • Aquaculture • Flexibility to incorporate data on an ongoing basis • Shipping and transportation • Beach erosion control and mitigation • Recreational access and uses • Job creation • Biodiversity • Viewsheds • Research uses

Stakeholder interviews

- Intent is to:
 - Inform groups of Act, plan development
 - Develop understanding of issues/opportunities
 - Solicit input on plan goals
 - Develop list of interested parties
 - Identify information/data for plan use

Stakeholder interviews

Maritime Vessel Coordinator Joint/Local Planning and Economic Development Committee Massachusetts Performance Association Massachusetts Stakeholder Association Midpoint Management Team The Shipyard Authority Boston Harbor Outlines Policy River National Wildlife Refuge USFWS - Massachusetts, No Man's Land, New Bedford Pelicans Preservation Center for Coastal Studies Boston Coastal Commission Mass Ocean Council Public Resources New Bedford Area Association 7 Seas Wildlife Watch The Nature Conservancy Massachusetts Performance Partnership National Marine Parks Cape Ann Wildlife Watch Massachusetts Lobstermen Association	Coalition for Buzzards Bay Maritime Vessel Management Board of Solutions The Boston Harbor Authority Buzzards Bay National Marine Sanctuary National Seaport (Pilotage) Massachusetts Aquaculture Association Save the Harbor - Save the Bay The Whale Center of New England U.S. Coast Guard State Waters in Massachusetts Cape Cod National Seashore Massachusetts Port Authority Massachusetts Sealing and Trawl Clubs Association, Inc. New Bedford Fishermen's Association National Sea Association Seacoast Energy LLC Massachusetts Valley Planning Commission Division of Marine Fisheries Massachusetts Marine Trade Association Wildlife Management Services	Massachusetts Marine Academy Pelican Group (Fish, Boat) Wildlife Watch 200 Group Seafish Association Seafish America MA Seafishers' Association Cape Cod Commission Mass Outdoors/Wildlife National Aquaculture Planning Commission Northport Marine Ship Repairs, Inc. NOAA/NEFOP The Seacoast Advisory Council State of Rhode Island Cape Cod Wildlife Traps Association Massachusetts Bay Fund Woods Hole Oceanographic Institute Boston University Marine Program National Seafishers US Fish & Wildlife Program Fisheries Office
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Stakeholder interviews

- Issues
 - Alternative energy siting
 - Define appropriate scale
 - Habitat protection (whales)
 - Commercial fishing, fisheries protection
 - Preservation of tourism, recreational uses
 - Navigation (*shipping, ferry routes*)
 - Cross-jurisdictional coordination

Stakeholder interviews

- Plan issues
 - Base on reliable science
 - Apply ecosystem management principles to designate use areas
 - Allow integration of new science, data, technology
 - Long-term monitoring, including indicators of progress
 - Relate mitigation to affected uses

Stakeholder interviews

- Plan issues (cont.)
 - Consider regional distinctions
 - Standardize review criteria and information/data required for wind projects
 - Link ocean management plan to other State statutory requirements
 - Continue public involvement
 - Web site, fact sheets, listserv, meetings, workshops, opportunities as plan is developed

Stakeholder interviews

- Potential benefits from ocean management plan
 - Establishment of management principles
 - Balancing protection and development
 - Coordination of environmental regulations/management
 - Integrated state-federal waters management
 - Clarification of regulatory process
 - Address climate change
 - Development of new science and incorporation into management

....more to come

Initial Discussion of Goals and Objectives

From presentation on stakeholder interviews...

- Potential benefits from ocean management plan
 - Establishment of management principles
 - Balancing protection and development
 - Coordination of environmental regulations/management
 - Integrated state-federal waters management
 - Clarification of regulatory process
 - Address climate change
 - Development of new science and incorporation into management

What are goals and objectives?

- Developing goals and objectives is a process of developing steps that describe **WHAT** a plan should do and **HOW** to do it
- Numerous approaches and names for the process, but intent of all is a logical progression/connection from big picture to operational detail

What are goals and objectives?

- G/Os 'step down' the broad directives in the Oceans Act into the specific actions by which the plan will be developed and implemented
- Process of developing G/Os is how public/SH comment, workgroup information, OAC, SAC and the Act

Our proposed approach

- Principles/goals
- Findings
- Objectives
- Management actions

– The format/nomenclature may change in response to the plan framework. What matters is the substance we develop with the OAC.

Our proposed approach

- Principles/goals: Ocean Act Section 4C(a) i – xv:
 - Set forth the Commonwealth's goals, stating priorities and standards for ensuring effective stewardship of its ocean waters held in trust for the benefit of the public
 - Adhere to sound management practices, taking into account the existing natural, social, cultural, historic and economic characteristics of the planning area
 - Preserve and protect the public trust
 - Reflect the importance of the waters of the Commonwealth to its citizens who derive livelihood and recreational benefits from fishing
 - Value biodiversity and ecosystem health
 - Identify and protect special, sensitive or unique estuarine and marine life and habitats
 - Address climate change and sea-level rise
 - Respect the interdependence of ecosystems
 - Coordinate uses that include international, federal, state and local jurisdictions
 - Foster sustainable uses that capitalize on economic opportunity without significant detriment to the ecology or natural beauty of the ocean
 - Preserve and enhance public access
 - Support the infrastructure necessary to sustain the economy and quality of life for the citizens of the commonwealth
 - Encourage public participation in decision-making
 - Adapt to evolving knowledge and understanding of the ocean environment
 - Identify appropriate locations and performance standards for activities, uses and facilities allowed in Ocean Sanctuaries

Compatibility assessment

- Understand interactions between uses/resources
- Help decision-making
- Can be complex, depending on issues/policies/scales (temporal, spatial) involved
- Example: turbines and fisheries
 - Depends on type of fisheries (gear) involved
 - Construction-related/decommissioning and more permanent
 - So, need to understand what happens where and when
- Ultimately need overall policy goals
 - (Protect all fisheries? Maximize renewable energy development?)
- Refine along with refinement of goals/objectives