



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

# **Implementing Washington's Ocean Action Plan**

## **2008 Report Covering Activity During 2007-2008**

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*A Report to the Legislature*

*Senate Natural Resources, Ocean and Recreation  
Committee, House Ecology and Parks Committee,  
House Agriculture and Natural Resources Committee*

December, 2008  
Publication no. 08-06-012

## Publication and Contact Information

This report is available on the Department of Ecology's website at [www.ecy.wa.gov/biblio/0801012.html](http://www.ecy.wa.gov/biblio/0801012.html)

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SEA Program  
Washington State Department of Ecology  
Olympia, Washington 98504-7710

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## Acronyms Used in this Report

BC	– British Columbia, province of Canada
CA	– State of California
CTED	– Washington Department of Community Trade and Economic Development
DNR	– Washington Department of Natural Resources
Ecology	– Washington Department of Ecology
EMD	– Emergency Management Division, Washington State Military Department
FERC	– Federal Energy Regulatory Commission
FY	– Fiscal Year. In Washington, this runs from July 1 <sup>st</sup> through June 30 <sup>th</sup> .
GOV	– Governor's Office
IACC	– Infrastructure Assistance Coordinating Council
ITED	– International Trade and Economic Development, a division of CTED
IPC	– Olympic Coast Intergovernmental Policy Council
NANOOS	– Northwest Association of Networked Ocean Observing Systems
NFIP	– National Flood Insurance Program
NOAA	– National Oceanic and Atmospheric Administration
NMFS	– National Marine Fisheries Service, a division of NOAA
NW Straits	– Northwest Straits Commission
OPWG	– Washington State Ocean Policy Work Group
OR	– State of Oregon
OSAC	– Oil Spills Advisory Council
PFMC	– Pacific Fisheries Management Council
SOC	– State Ocean Caucus
State Parks	– Washington State Parks and Recreation Commission
UW	– University of Washington
WA	– State of Washington
WCGA	– West Coast Governors' Agreement on Ocean Health
WSG	– Washington Sea Grant

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## Summary

Released in December 2006, *Washington's Ocean Action Plan: Enhancing Management of Washington State's Ocean and Outer Coasts (Washington's Ocean Action Plan)* analyzed the status of Washington's ocean resources, ocean policy and management in Washington State and provided over 50 recommendations for improving management of these resources. In 2007, the state legislature provided money to the Washington Department of Ecology (Ecology) to implement the recommendations contained in this plan and requested an update on progress. As required by the legislature, this report provides an update on the activities and progress on these recommendations over 2007 and 2008.

During this time, 17 recommendations were completed with activity in-progress or ongoing for 49 recommendations.<sup>1</sup> The following list highlights some key activities and accomplishments.

- Improved management with new partnerships. Established partnerships to coordinate with local, state, tribal, regional, federal, and international entities and advance recommendations including: the State Ocean Caucus and Ocean Policy Advisory Group, the West Coast Governors' Agreement on Ocean Health, the Olympic Coast Intergovernmental Policy Council, and the British Columbia-Washington Coastal and Ocean Task Force. These types of partnerships are a necessary mechanism for improving communication and management, especially given the diverse nature of the recommendations in *Washington's Ocean Action Plan*.
- Created mechanism for additional progress on marine policy issues. Washington Sea Grant founded the Hershman Fellowship and partnered with State Ocean Caucus agencies to implement this pilot project. This nine-month fellowship provides an opportunity for current or recent graduate students to work on ocean and coastal policy with state agencies. In its first year, two fellows are currently working on projects that advance recommendations in *Washington's Ocean Action Plan*. The project plans to place four more fellows over the next two years.
- Examined feasibility of renewable ocean energy and provided education on the issue by co-hosting a regional workshop. Also provided input to federal agencies on policy and regulatory issues and improved communication with federal agencies including drafting a Memorandum of Understanding with the Federal Energy Regulatory Commission (FERC). Identified areas for future work such as research and monitoring, community outreach and education, and agency coordination.

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<sup>1</sup> Since several recommendations have multiple parts and activities associated with them, some recommendations are considered to be in more than one category. For example, a recommendation may be "completed and ongoing" or "completed and in progress". Therefore, the numbers above do not compare directly to the total number of recommendations in *Washington's Ocean Action Plan*.

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- Improved erosion and sediment management by participating in the Lower Columbia Solutions Group, supporting a science-policy forum on sediment management issues in Southwest Washington's nearshore, advancing regional sediment management planning for the lower Columbia River, and developing a large project to use clean dredge material to replenish Washington beaches at or near Benson Beach.
- Advanced efforts to characterize and map seafloor. Assisted with elimination of Department of Navy's security restriction that prevented the National Oceanic and Atmospheric Administration (NOAA) from sharing high resolution data. Promoted development of strategic plan for mapping Washington's waters.
- Increased ocean awareness and involved public by hosting several public meetings in outer coastal communities. Meetings provided information on ocean science, policy and management with presentations from various experts.
- Supported ocean education. Provided input on and letter of support for successful education grant (\$270,000 for three years) focused on developing stewardship projects for kids in outer coast school districts and creating an associated teacher and community-network.

These are just a few examples of work completed or underway. The remainder of the report provides more complete information on the activities under the many other issue areas covered by the recommendations in *Washington's Ocean Action Plan* such as climate change, fisheries, ecosystem-based management, coastal hazards, ocean research, sustainable communities, and marine debris.

## Background

In 2000, the U.S. Congress established the U.S. Commission on Ocean Policy consisting of top experts in ocean policy and management to examine ocean and coastal policy. Released in September 2004, the Commission's final report, *An Ocean Blueprint for the 21<sup>st</sup> Century*, contained over 200 recommendations on a wide array of issues to improve ocean resource management and policy.<sup>2</sup> They concluded:

*“Our failure to properly manage the human activities that affect the nation's oceans, coasts, and Great Lakes is compromising their ecological integrity, diminishing our ability to fully realize their potential, costing us jobs and revenue, threatening human health, and putting our future at risk.”*

During the 2005 legislative session, the Washington State Legislature requested the Governor's Office similarly examine ocean resources in Washington and report on state ocean policy activities and provide recommendations. To achieve this, the Governor's Office convened the Ocean Policy Work Group (OPWG) comprised of representatives from state agencies, local governments, coastal industries, academia and tribal observers.<sup>3</sup>

The OPWG chose to examine the following topics: sustainable fisheries, aquaculture, ecosystem-based management, ocean energy, coastal hazards, erosion and sediment management, climate change, ocean research and observing, ocean education, sustainable communities, and governance. Based on input from communities, they also added recommendations on oil spills and marine debris. Students at the University of Washington's School of Marine Affairs led by the late Professor Marc Hershman, produced white papers that provided background research and analysis on these topics.

The group conducted outreach to eight coastal communities including meetings with a wide array of stakeholders such as coastal tribes, fishing interests, non-governmental organizations, ports, aquaculture businesses, educational institutions, coastal industries, local government representatives, and the general public. Input gathered from coastal communities during these visits provided important guidance to the subsequent development of the OPWG final report and recommendations.

Released by the Washington State Ocean Policy Work Group in December 2006, *Washington's Ocean Action Plan: Enhancing Management of Washington State's Ocean and Outer Coasts* analyzed the status of Washington's ocean resources, ocean policy and management in Washington State and provided over 50 recommendations for enhancing management of these resources. In 2007, the state legislature provided money to the Washington Department of Ecology (Ecology) to implement the recommendations

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<sup>2</sup> The Pew Ocean Commission, a separate group of ocean experts operating at the same time, also released a report entitled, *America's Living Oceans: Charting a Course for Sea Change*. Their review also provided an extensive review of ocean policy and coastal management. The reports of both Commissions contained many similar recommendations.

<sup>3</sup> The OPWG established its geographic focus as the outer coast and open-ocean resources of the state including the outer coast of Washington, the Strait of Juan de Fuca, and San Juan Islands.

contained in this plan. This document fulfills the legislative requirement to report on progress on implementing key recommendations and actions contained in *Washington's Ocean Action Plan* to key policy committees of the legislature. The following sections of the report outline the processes we use, a summary of key accomplishments, the current status of activities under the 2011 Work Plan, and detailed table indicating activity on all 57 recommendations in *Washington's Ocean Action Plan*.

## **Processes: How we do our work.**

### **Establishment of the State Ocean Caucus**

Given the multiple agencies involved with managing Washington's outer coast and ocean resources, *Washington's Ocean Action Plan* called for the establishment of an interagency ocean policy team (*Recommendation 6-1*). To achieve this, the Governor's office created the State Ocean Caucus, a state-level interagency team coordinated and staffed by Ecology. The diverse nature of the recommendations in the state action plan requires interagency coordination, since Ecology, while funded to coordinate activities, does not have direct control over the outcomes suggested by many of the recommendations. The sections below outline the mission, goals and purpose created when the State Ocean Caucus was formed in 2007. The State Ocean Caucus focuses primarily on issues related to Washington's outer coast and ocean, while the Puget Sound Partnership focuses on issues related to restoring Puget Sound.

#### **Mission**

To manage Washington's ocean resources in a manner that serves to protect and improve the health and sustainability of coastal and ocean ecosystems while maintaining cultural and social well-being and ensuring the economic viability of coastal communities and the state.

The state supports gathering and improving scientific, ecosystem, local and traditional knowledge to guide ocean resource management decisions. The state coordinates policy by organizing across state agencies, and consulting and collaborating with a broad array of governments and stakeholders including local, state, federal, international and tribal governments, and non-governmental, business, and industry sectors.

#### **Goals**

1. **Manage the state's ocean and coastal areas to protect valuable marine resources and maintain ecosystem health while ensuring the vitality of coastal communities**, to include: effective, sustainable fisheries management; development of a state marine aquaculture policy; use of ecosystem-based management; and investigation of developing renewable ocean energy technologies.
2. **Protect the coastal environment and its communities from the threats of marine hazards**, such as storm surge and tsunamis, the effects of global climate change, and increased erosion, through improved research and management and

- increased planning efforts. Through state work, ensure continued coordination to prevent and manage pollution and marine debris.
3. **Enhance the sustainability and resiliency of outer coast communities** through appropriate economic development practices that honor the historical practices of the past, maintain present successes, and plan for future uses to maximize benefits to the state's residents.
  4. **Increase state attention on ocean-related scientific research and observation** practices that satisfy coastal management needs while furthering integrated and coordinated scientific knowledge of the state's marine environment.
  5. **Inform all state citizens of the vital importance of the state's ocean resources** by collaborating on ocean literacy programs in state K-12 education and expanding public outreach on ocean issues.
  6. **Coordinate state policy and consult and collaborate with tribes, local government, ports and interested citizens through the state ocean caucus.**

### **Purpose**

- Create a strategy and work plan to implement Washington's Ocean Action Plan.
- Coordinate ocean activities among state agencies.
- Foster collaboration and consultation with tribes, local and regional governments, federal agencies, academia, stakeholders and general public.
- Provide intergovernmental collaboration with tribes, local organizations and communities, and other planning efforts such as the Puget Sound Partnership, NW Straits Commission, and Olympic Coast Intergovernmental Policy Council.
- Promote and enhance relationship between state-federal governments. Includes coordinating state response to federal actions and policies.
- Collaborate with the West Coast governments<sup>4</sup> on ocean policy issues.
- Review laws and funding related to coastal and ocean activities.

### **Members of the State Ocean Caucus**

- Community Trade and Economic Development
- Department of Agriculture
- Department of Ecology
- Department of Health
- Department of Fish and Wildlife
- Department of Natural Resources
- Governor's Office
- Military Department – Emergency Management Division
- State Parks and Recreation Commission
- Washington Sea Grant

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<sup>4</sup>This includes other states, tribes, Canada and the province of British Columbia, and local governments.

## Ocean Policy Advisory Group

*Washington's Ocean Action Plan* also recognized the need for regular consultation and collaboration with local governments, tribes, ports, industry, non-profit organizations, educational institutions, federal agencies, neighboring states and provinces, and interested citizens (*Recommendation 6-1*). As a result, the State Ocean Caucus formed the Ocean Policy Advisory Group to provide ongoing feedback and guidance to the State Ocean Caucus on state activities related to ocean issues, including management, policy, and regulatory issues. The Ocean Policy Advisory Group is an informal group of stakeholders representing a broad array of interests in ocean issues. Membership is open to interested individuals. As of early December 2008, the advisory group has 42 of members from a variety of coastal institutions and sectors (see complete list below). The advisory group members review documents such as outreach meeting agendas, work plans, and policy responses; provide input on ocean activities and issues; and attend occasional meetings on the outer coast. This also meets the needs for involving stakeholders outlined by *Washington's Ocean Action Plan (Recommendation 6-1)*.

### Ocean Policy Advisory Group members as of December 15, 2008

Clallam County	Pacific Merchant Shipping Association
Coalition of Coastal Fisheries	Port of Grays Harbor
Columbia River Crab Fishermens Association	Quinault Indian Nation
Creative Community Solutions	Science Applications International Corporation (SAIC)
Friends of Grays Harbor	Seattle Aquarium
Fugro Seafloor Surveys Inc.	SeaTrust Institute
Hydrovolts, Inc.	ShoreBank Enterprise Cascadia
GNA	Surfrider Foundation
Go Wild Campaign, Wildfish Network	University of Washington, Olympic Natural Resources Center
Grass Roots Garbage Gang	USDA Natural Resource Conservation Service
Grays Harbor County	US Army Corps of Engineers
National Wildlife Federation	US Army
NOAA National Marine Fisheries Service	US Fish and Wildlife Service, Willapa National Wildlife Refuge Complex
NOAA - Olympic Coast National Marine Sanctuary	Washington Dungeness Crab Fishermens Association
NW Indian Fisheries Commission	Washington Public Ports Association
Ocean Shores Interpretive Center	Westport Charterboat Association
Oil Spill Advisory Council	
Olympic Coast Alliance	
Pacific Education Group	
Pacific International Engineering PLLC	

## Public involvement and outreach

The State Ocean Caucus also involves and informs the public on its efforts in a variety of ways including outreach meetings, a website and an email listserv. The website provides documents, presentations, meeting times and materials, and brief overviews of various activities, including background materials such as electronic copies of *Washington's Ocean Action Plan* and the 2011 work plan. A visitor to the website can also use a web form to sign up for membership on the advisory group or sign up to receive notices via the email listserv.

The State Ocean Caucus has also hosted a number of outreach meetings on the outer coast. The table below provides the locations and dates of these meetings.

<b>Locations of public outreach meetings sponsored by the State Ocean Caucus</b>	
<b>Date</b>	<b>Location</b>
June 26, 2007	Aberdeen Grays Harbor Community College
July 11, 2007	Ilwaco Ilwaco Heritage Museum
February 13, 2008	Westport Ocosta High School Library
May 28, 2008	South Bend Willapa Harbor Community Center
October 15, 2008	Ocean Shores Ocean Shores Convention Center

Given the distances between communities on the outer coast, the State Ocean Caucus has varied the location of each meeting to reach broader audiences. In addition, meeting materials and presentations are posted online afterward. Meetings have drawn an average attendance of around 30 people. The agendas have varied based on the location of the meeting, coastal resource management issues in the area, and input from the advisory group and others. The State Ocean Caucus provides updates on its activities or work of its members at each of the meetings. More recent meetings have focused on having presentations by local organizations involved in coastal issues and by scientists whose information relates to managing coastal resources. Most meetings have had a segment for public comments and feedback. The State Ocean Caucus has received generally positive responses to these meetings, but continues to refine their approach to ensure they are meeting the needs of the local communities.

## Regional and international partnerships

Ocean and coastal resources do not observe jurisdictional boundaries. Activities in one area can affect the whole region. As a result, issues that concern our state are also issues for our neighbors in the region. The scale of problems like climate change and invasive species necessitates working not only with local and state entities, but also with regional partners. Furthermore, these types of partnerships foster efficiency and more effective management through better communication such as sharing lessons-learned. Partnerships also allow us to leverage and target existing resources more effectively to advance shared regional priorities; to garner additional federal support and action necessary to fill gaps and advance activities; and to build on the strong foundation of existing state-level work and priorities. In order to make progress on these issues and to manage our resources effectively, *Washington's Ocean Action Plan* recommended establishing partnerships with regional and international neighbors (*Recommendations 6-2, 6-3, and 6-4*). The following regional partnerships are making progress on recommendations included in the state's action plan:

1. West Coast Governors' Agreement on Ocean Health (WCGA). This agreement was signed by the governors of Oregon, California, and Washington. The three states, with input from federal agency partners and others, released their final action plan in July 2008. While they have already had some early successes through their partnership, the action plan contains many more activities of regional importance for the coming years such as understanding and adapting to climate change, ensuring clean coastal waters and beaches, reducing impacts of offshore development, protecting ocean and coastal habitats, promoting ocean awareness, improving ocean research, supporting management at the ecosystem-level, and creating sustainable coastal communities. This fall, the WCGA established several action coordination teams with representatives from each state, federal agencies, tribes and other key individuals from the region. These teams are currently formulating and finalizing work plans that detail specific activities and tasks.
2. Olympic Coast Intergovernmental Policy Council (IPC). The four coastal treaty tribes (Makah, Hoh, and Quileute tribes, and Quinault Indian Nation) and the state of Washington comprise this council which focuses on co-management of marine resources within the tribes' Usual and Accustomed fishing areas and in the Olympic Coast National Marine Sanctuary. Current priority issue areas include advancing a joint ocean research and monitoring initiative, participating in sanctuary management plan review and budget discussions, and improving communication with the Sanctuary's advisory council.
3. British Columbia-Washington Coastal and Ocean Task Force. Given the recent formation of the Puget Sound Partnership and State Ocean Caucus, this new task force replaces one that focused solely on Puget Sound-Georgia Basin. Their work plan now includes the outer coasts of both nations and includes priorities such as: updating science to inform policy, developing coastal

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and ocean indicators, restoring and conserving habitat, improving water quality, understanding and preparing for climate change, fostering sustainable communities, and learning about other, similar regional and transboundary efforts. This fall, the task force conducted a transboundary habitat restoration by cleaning up an area of derelict fishing gear and shared best practices for conducting these types of restorations.

More specific details on progress for *Washington's Ocean Action Plan* recommendations through these regional and international partnerships will be provided in the rest of the report.

## Key Accomplishments

### Overview

Establishing the state, regional, and local partnerships outlined in the previous section fulfills some of the recommendations from *Washington's Ocean Action Plan*. More importantly, these partnerships provide the foundation for activities related to achieving the plan's many other recommendations. Overall, work has been completed for 17 recommendations, with activity either in progress or ongoing for 49 recommendations. Another 14 recommendations have been determined to be longer-term priorities and remain inactive for now. While the current state and regional action plans provide important guidance on priority issues, these new partnerships also offer a framework for evolving over time to address new issues and opportunities as they arise.

<b>Status of report recommendations*</b>			
<b>Completed</b>	<b>In Progress</b>	<b>Ongoing</b>	<b>Long-term or inactive</b>
17	7	42	14

\*Note: since several recommendations have multiple parts and activities associated with them, some recommendations are considered to be in more than one category. For example, a recommendation may be "completed and ongoing" or "completed and in progress". Therefore, the numbers above do not compare directly to the total number of recommendations in *Washington's Ocean Action Plan*.

*Washington's Ocean Action Plan* contained a diverse set of topics and recommendations, such as ocean research, ocean education, sustainable fisheries, offshore energy, coastal hazards, sediment management, marine debris, climate change, sustainable coastal communities, and much more. Likewise, implementation of these recommendations has cut across these topics. This section provides a few detailed case studies of progress made on recommendations during 2007-2008. The next section presents a summary of the status of all activities related to the 2011 work plan. Following that is a table that lists the status of every recommendation contained in *Washington's Ocean Action Plan*.

## Hershman Fellowship Pilot Project

Created in 2008 by Washington Sea Grant, this new, nine-month program places two eligible graduate students or recent graduates, full-time with member agencies of the Washington State Ocean Caucus, working on ocean and coastal science and management issues. The fellowship, named after Professor Marc Hershman,<sup>5</sup> offers a first-hand experience in crafting marine and natural resource policies and enables fellows to share their academic expertise with state decision makers.

Launching the Hershman Fellowship pilot program is an excellent example of the type of work achieved by the State Ocean Caucus. The caucus developed project proposals that would advance action plan recommendations; identified agency hosts for fellows; and collaborated with Washington Sea Grant on the recruitment, schedule, funding and placements for the fellowship. The pilot program will host two fellows each year for three years. Supporting each fellowship costs \$30,000 per year. Washington Sea Grant will provide \$120,000 for the three pilot years, while state agencies will provide a match for the remaining \$60,000 for the fellowships.

The 2008-2009 Hershman fellows are currently working on the following projects with Washington state agencies:

1. Climate change and marine debris at Department of Natural Resources. *Recommendations 2-17, 3-1 and 3-4.*
2. Analyzing policies in Washington's Coastal Zone Management Program at Department of Ecology. *Recommendations 6-5 and 6-6.*

## Renewable Ocean Energy

Along the West Coast a number of proposals for renewable ocean energy utilizing waves, tides, and offshore wind raised questions about these technologies, their unknown impacts, and the changing federal regulatory processes. *Washington's Ocean Action Plan* recommended integrating state policy, interacting with federal agencies, and evaluating potential impacts including sharing lessons-learned with others in the region. (*Recommendations 1-9 and 1-10*). While state agencies were already collaborating on permitting for projects and input to federal policy, Washington conducted some additional activities during 2008.

Under the West Coast Governors' Agreement, Washington worked with state and federal partners to host a regional workshop on ocean energy in Portland in September 2008. The web-cast videos and summaries have been posted on their website for those unable to attend. In addition, state, federal and tribal governments convened a working session to outline areas for future work and collaboration including research needs and roles of the

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<sup>5</sup> Professor Marc Hershman had a distinguished career in ocean and coastal policy. He was a professor at the University of Washington's School of Marine Affairs. Professor Hershman served as a member of the U.S. Commission on Ocean Policy and a member of the Washington State Ocean Policy Work Group. He and his students provided invaluable research and input for *Washington's Ocean Action Plan*.

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various parties. The regional Action Coordination Team is now outlining a work plan to fill many of those needs over the next couple years.

During 2005 and 2006, the Federal Energy Regulatory Commission (FERC) received and approved numerous preliminary permits for studying the feasibility of these technologies in Washington's state waters and elsewhere around the nation. Due to a lack of communication, agencies, tribes, and other stakeholders were often unaware of these activities or learned of them too late to effectively weigh in on permits. In 2007, FERC also adopted several new policies and processes toward permitting and licensing these new technologies. These new processes and a lack of coordination caused confusion and conflict with state and federal agencies, industry, and stakeholders. As a result, Oregon and FERC established a Memorandum of Understanding to improve communication and coordination on permitting and licenses for wave energy. During 2008, Washington agencies drafted a Memorandum of Understanding with FERC to address these needs. Set to be signed in early 2009, the MOU with FERC will improve communication and coordination, reduce confusion, and preserve the state's important role in permitting and licensing these new technologies. This will help advance wave and tidal energy technologies in a sensible, environmentally responsible manner.

## Erosion and Sediment Management

Chronic and severe coastal erosion is a problem particularly for Washington's southwest coast. Sediment management issues for this region are connected to management of the lower Columbia River. *Washington's Ocean Action Plan* recommended improving erosion and sediment management in several ways, including: 1) improving state participation in sediment policy and planning for the Lower River through the existing bi-state group, the Lower Columbia Solutions Group; 2) developing projects that help replenish Washington beaches with beneficial use of clean dredge materials; 3) advancing regional sediment management planning for the outer coast and lower Columbia River (*Recommendations 2-9, 2-10, 2-11, and 2-12*).

Over the past two years, Washington State has actively participated in the Lower Columbia Solutions Group and represented the state's interests in sediment issues such as advancing a regional sediment management plan for the lower Columbia River, working to resolve conflicts over scientific information, and developing a project to utilize dredge material for the benefit of Washington's coast and beaches. The Lower Columbia Solutions Group is working on a regional sediment management plan for the lower river. Washington state agencies are participating on the planning and technical teams to develop the framework and advance the specific steps for this multi-year effort. Through the Department of Ecology, Washington supported and participated in developing and hosting a science-policy forum on sediment management issues in Southwest Washington's nearshore area in summer 2007. The two-day workshop was convened by Washington State and U.S. Geological Survey and facilitated by Lower Columbia Solutions Group at Cape Disappointment State Park. The workshop helped resolve conflicts by forging consensus on the status of scientific information and areas for future

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work. It also informed managers on key next-steps, including the need for a large beneficial use project in Washington's nearshore.

At the request of the state and local communities, the Lower Columbia Solutions Group formed a partners group to develop and conduct a project in Washington's nearshore that will use sediment beneficially and advance understanding of sediment processes. The group is developing a scientific monitoring plan and researching policy and funding options with the aim to conduct a large beneficial use and regional sediment management project at or near Benson Beach. The Governor's 2009-2011 proposed budget includes \$1.7 million in state funding for this project to supplement federal funds. Congressman Baird and the state's delegation are working to release the \$1.8 million in federal money originally set aside for such a project.

## Ocean Research

*Washington's Ocean Action Plan* recognized the need for characterizing the seafloor in order to manage ocean and coastal resources effectively. These highly detailed maps can provide better information on habitat types and quality, hazards such as earthquake faults, geology such as rock or sandy areas, and bathymetry for better navigation and modeling of impacts such as sea-level rise. As a result, Washington state agencies partnered with federal and private institutions to host a workshop on the status of seafloor mapping in Washington waters. Through this workshop, it became evident that one stumbling block was the Department of the Navy's security restriction area and an agreement with the National Oceanic and Atmospheric Administration (NOAA). In much of Washington's waters, this security restriction prevented NOAA from sharing high resolution data they collected with partners. The Governor's office wrote a letter to both agencies requesting a review of this policy and arguing for removing the restrictions on sharing data. As a result, the Navy determined the 23 year-old security policy was no longer necessary and rescinded it in November 2008. Partners from the workshop are currently developing a strategic plan for mapping all of Washington's waters. The elimination of this security policy will enable the partners to effectively use existing data as well as maximize collaborations for future data gathering.

The state's action plan also identified the need to examine ocean research, monitoring and observing and develop a strategic plan (*Recommendation 4-1*). Washington Sea Grant is currently working with the other West Coast Sea Grant entities to produce a regional research priorities plan. Through the West Coast Governors' Agreement, the three states intend to use this plan as the basis for their regional research initiatives (*Recommendation 4-2*). In their regional research planning process, Washington Sea Grant also gathered significant input from people in each state that will help inform the individual states about unique research needs.

## Education

*Washington's Ocean Action Plan* recognized the need to improve ocean education and awareness for children as well as adults. Working with Pacific Education Institute, the State Ocean Caucus provided input on and a letter of support for their successful NOAA grant proposal to build a teacher-community network and connect students to learning about ocean and coastal resources through stewardship projects in outer coast school districts. The grant provides over \$270,000 for the initial three years of the Coastal Ecosystem Education program. With assistance from Washington Sea Grant, Pacific Education Institute is also partnering with the Northwest Indian Fisheries Commission to bring the "Shadow of the Salmon" program to these schools at the middle-school level. This program teaches the about natural resources in the context of salmon, including their important cultural and environmental role. In addition, the State Parks and Recreation Commission provided significant direct ocean education programs in coastal state parks. The State Ocean Caucus also increased ocean awareness by hosting presentations on ocean science and local coastal management issues at many of their outreach meetings.

## Status of 2011 Work Plan

### State Ocean Caucus: Status of Activities & 2011 Work Plan Summary

Organized by topics, this work plan offers an update on completed activities to-date and a summary of ongoing and future activities currently planned through 2011. Most activities involve multiple agencies; the lead agency is generally noted in parentheses. Otherwise, the State Ocean Caucus is jointly working on the activity. The corresponding recommendation or recommendations from *Washington's Ocean Action Plan* are signified by italics. Please note, the work plan activities are not listed in priority order.

### Fisheries and Offshore Aquaculture

#### Ongoing

- Increasing research on groundfish stocks through new program (WDFW).  
*Recommendation 1-1.*

#### Future

- Research and collect background information on offshore aquaculture from relevant agencies. Develop scope of work and identify resources for a facilitated consensus-based process on state policy for offshore Aquaculture.  
*Recommendation 1-3.*

### Erosion and Sediment Management

#### Completed

- Supported and participated in developing and hosting a science-policy forum on sediment management issues in Southwest Washington's nearshore area in summer 2007. Two-day workshop was convened by Washington State and U.S. Geological Survey and facilitated by Lower Columbia Solutions Group at Cape Disappointment State Park (Ecology). *Recommendations 2-9, 2-10, 2-11, 2-12.*

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- Presented research findings and general educational outreach on nearshore coastal erosion processes as part of October 15, 2008 Ocean Shores Community Outreach meeting (Ecology). *Recommendation 2-2.*

### Ongoing

- Developing project to use sediment beneficially and advance understanding of sediment processes in Washington's nearshore with local, state, and federal partners. Researching policy and funding options. Aim to conduct a large beneficial use and regional sediment management project at Benson Beach as soon as possible. The Governor's 2009-2011 proposed budget includes \$1.7 million in state funding for this project to supplement federal funds. Congressman Baird and the delegation are working to release \$1.8 million in federal money originally set aside for such a project. (Ecology & Gov). *Recommendations 2-9, 2-10 and 2-11.*
- Participating in and representing state's interests in sediment issues in the Lower Columbia Solutions Group. Working to advance regional sediment management planning for the lower Columbia River (Ecology & Gov). *Recommendations 2-9, 2-10, 2-11 and 2-12.*

### Future

- Evaluate status of science on biological issues related to sediment management with technical workshop. *Recommendations 2-9 and 2-11.*
- Evaluate funding needs and build support for improving long-term support of sediment and erosion monitoring (Ecology). *Recommendation 2-12.*
- Develop and utilize regional sediment management plan to improve beneficial uses of sediment. *Recommendations 2-9, 2-10, 2-11 and 2-12.*

## Ocean Research

### Completed

- Participated in Washington workshops for developing West Coast Regional Research priority planning effort organized by Washington Sea Grant. *Recommendation 4-1.*
- Advanced Washington's seafloor and benthic habitat mapping efforts. Partnered to host a seafloor mapping technical workshop in January 2008, publish workshop proceedings, and produce a draft strategic plan for mapping all of Washington waters. Due in part to advocacy by Washington State via the governor's office, Department of the Navy agreed to rescind the high-resolution bathymetry restriction which previously made sharing NOAA data difficult. *Recommendation 1-2.*

### Ongoing

- Improving weather data and other information. Advocating for establishment of Doppler RADAR on outer coast. Senator Cantwell is now working to secure Congressional funding for Doppler RADAR through National Weather Service. Analyzing options for pursuing additional buoys and sensors for outer coast. *Recommendation 4-3.*

### Future

- Expand other key ocean monitoring systems such as weather, and multi-sensor

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buoys by working with Northwest Association of Networked Ocean Observing Systems (NANOOS), Congressional delegation, and others. *Recommendation 4-3.*

- Survey Seashore Conservation Area during 2009-2011. Efficiently use resources by examining ways to meet other research needs by matching them with the survey effort (Parks). *Recommendations 2-3, 4-1E, and 6-1.*
- Continue to support recently awarded NEPTUNE project for installation of cabled observatory project. Collaborate with project lead to discuss links for project with educational and economic opportunities and needs on the outer coast. *Recommendations 4-4 and 5-8.*

### **Ocean literacy and education**

#### Completed

- Completed first year of two-year program supporting K-12 access to State Parks to learn about Ocean Environments and beach ecology. Approximately 400 students, teachers and staff took part in first year of classroom-field interactive learning at Cape Disappointment State Park, Long Beach (Two-year funding through *No Child Left Inside* Program, \$80,000 – State Parks). *Recommendation 4-8.*
- State Parks initiated the *Inside Out Family/Youth Camping Experience Program* to recruit, educate, and support inner-city families and youth in experiencing Washington State's natural environments as part of its *Diversity in Parks* program. The program targeted 4 families, and exposed 15 people to the state's ocean beaches along North, South and Long Beach State Parks (State Parks). *Recommendation 4-8.*
- Washington Sea Grant assisted with funding for partnership between Pacific Education Institute and Northwest Indian Fisheries Commission to bring "Shadow of the Salmon" educational program to outer coast schools (Washington Sea Grant). *Recommendations 4-6 and 4-7.*
- Supported successful grant proposal to NOAA's Bay-Watershed Education and Training (B-WET) program for K-12 ocean education pilot program in outer coast school districts. Led by Pacific Education Institute, the grant received over \$270,000 in funding for the initial three years of the Coastal Ecosystem Education program to create a teacher and community network and cultivate student-led stewardship projects. Other partners will also help develop the program including the State Ocean Caucus, Olympic Coast National Marine Sanctuary, Washington State's Office of Superintendent of Public Instruction, Northwest Indian Fisheries Commission, Grays Harbor College, the Environmental Education Association of Washington, and other local community members. *Recommendations 4-6 and 4-7.*

#### Ongoing

- Advancing ocean education in Washington by assessing education needs, linking educational resources and activities, connecting with additional potential partners, and identifying funding opportunities such as for K-12 education. Working to leverage resources within state and along West Coast with partners such as Washington State Parks, Washington Sea Grant, Olympic Coast National Marine Sanctuary, and Pacific Education Institute. *Recommendations 4-5, 4-6 and 4-7.*

## **Coastal Hazards**

### Completed

- Established an internal policy for FCAAP grant applications giving a level of priority to coastal hazard projects (Ecology). *Recommendation 2-6.*
- Revisions to the National Flood Insurance Program have slightly reduced incentives to development in coastal hazard areas by addressing repetitive loss properties requiring them to implement flood damage mitigation measures after reaching a certain threshold in the number of claims or dollar amount of claims. *Recommendation 2-5.*

### Ongoing

- Coordinating with FEMA Region 10 on arranging for No Adverse Impact workshops to be conducted during 2008 or 2009 (Ecology). *Recommendation 2-6.*

### Future

- Convene another meeting of multi-agency hazards group to analyze status and next steps for coastal hazards (Ecology). *Recommendations 2-1, 2-2, 2-3.*
- Continue to advocate for sufficient funding for Phase II of map modernization in 2011 (Ecology). *Recommendation 2-5.*

## **Marine Pollution**

### Completed

- Provided assistance to Washington Coast Clean Up and newly formed Washington Clean Coast Alliance in April 2008 (Ecology). As part of alliance, held volunteer ocean beach clean-up event in April at all three Washington State Parks ocean beach areas (North, South, and Long Beach) (State Parks). *Recommendations 3-4 and 4-7.*
- Partnered to provide education on local clean up groups at outreach meeting in South Bend. *Recommendations 3-4 and 4-7.*

### Ongoing

- Examining current state laws and the potential for expansion of ongoing derelict fishing gear activities to statewide program coverage, part of a 2008-09 Hershman Fellowship project (DNR). *Recommendations 3-1 and 3-4.*
- Eliminating some large commercial derelict vessels with revised program and increased funding, but examining long-term funding source with assistance of Department of Revenue (DNR). *Recommendation 3-7.*
- Targeting education on derelict gear reporting and prevention to commercial fishermen (WDFW). *Recommendation 3-3.*

### Future

- Develop and pursue options for establishing statewide derelict gear program depending on resource availability. (DNR). *Recommendations 3-1 and 3-4.*
- Continue participation with the Washington Clean Coast Alliance to develop a marine debris education and outreach program (State Parks).
- Continue partnerships by participating in beach clean ups at state park sites including the annual Washington Coast Clean Up in April and examine participation with other similar opportunities. (State Parks).

## **Ocean energy**

### Completed

- Supported extension of offshore oil and gas moratorium in perpetuity. Governor Gregoire sent joint letter with governors of Oregon and California to President and Congress (Gov). *Recommendation 1-8.*
- Co-hosted workshop with other west coast states and federal agencies to increase information on renewable ocean energy technologies and their potential impacts; current ocean uses and services; and key ocean resources to coastal communities and ecosystem. *Recommendations 1-9 and 1-10.*

### Ongoing

- Engaging FERC, MMS, project proponents, and other West Coast states on impacts of renewable ocean energy technologies and associated regulations, and planning issues (Gov and Ecology). *Recommendations 1-9 and 1-10.*
- Assisting project applicants by identifying baseline and site specific data needed for permitting pilot projects (Office of Regulatory Assistance leading all regulatory agencies). *Recommendations 1-9 and 1-10.*

### Future

- Provide additional stakeholder workshops and forums on renewable ocean energy. *Recommendations 1-9 and 1-10.*

## **Sustainable Communities**

### Ongoing

- Developing regional offices to better assist local communities with economic projects and planning. Achieving a portion of the Governor's Next Washington Plan to serve the rural, coastal communities in a broader, more strategic fashion (CTED). *Recommendation 5-1.*
- Increased funding for coastal Economic Development Councils and the legislative performance measures will enable ITED to better focus on local priorities. *Recommendation 5-1.*
- Developing regional activities to improve sustainability of working waterfronts under the West Coast Governors' Agreement. *Recommendation 5-1.*

### Future

- Examine use of innovation zones and other tools to increase sustainability of coastal communities, including environmental, social and economic sustainability. *Recommendations 5-1, 5-2, 5-4.*

## **Climate Change**

### Completed

- Governor's executive order advanced state activities on climate change by establishing goals for reducing greenhouse gasses, increasing clean energy and energy efficiency, and preparing for impacts of climate change. Ecology and CTED jointly led an effort to examine the best way for state to achieve the goals set out by executive order and established a website to communicate to the public about climate change (Gov, CTED, and Ecology). *Recommendations 2-15, 2-16, 2-17, and 2-18.*

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### Ongoing

- Assessing coastal impacts and the necessary preparation and adaptation strategies by: advising efforts on climate change related to Governors executive order, partnering regionally through the West Coast Governors' Agreement on Ocean Health, and participating at national level through Coastal States Organization Climate Change Working Group (Ecology). *Recommendation 2-17.*

### **Governance**

#### Completed

- Established the State Ocean Caucus comprised of state agencies involved with coastal and ocean resource issues as the interagency team to coordinate action on recommendations. Formed the Ocean Policy Advisory Group to provide input from local, tribal, and federal government representatives, academics and researchers, business and environmental interests, non-governmental organizations, and other key interested parties. Advisory group has 42 participants (as of December 11, 2008). *Recommendations 6-1, 6-2, and 6-3.*
- Conducted five outreach meetings in coastal communities during 2007-2008 in Aberdeen, Ilwaco, South Bend, Westport, and Ocean Shores. Established web site and listserv to improve communication on ocean policy efforts. *Recommendations 6-1 and 6-2.*
- Washington Sea Grant established Hershman fellowship 3-year pilot project and partnered with State Ocean Caucus to provide initial fellowships that also advance recommendations. *Recommendation 6-7.*

#### Ongoing

- Participating with outer coast tribes on Olympic Coast National Marine Sanctuary's Intergovernmental Policy Council (Gov). Developed joint marine monitoring and research initiative, currently seeking funds to implement it. *Recommendation 1-1, 1-2, 4-1, 4-3, and 6-2.*
- Examining Ocean Resources Management Act and Washington's Coastal Zone Management Program policies for potential revisions, as part of a 2008-2009 Hershman fellowship project. *Recommendations 6-5 and 6-6.*
- Assisting local citizens and county government representatives on the outer coast interested in establishing Marine Resource Committees by providing outreach on options, and facilitating information exchange with current Marine Resource Committees (WDFW). *Recommendations 6-1 and 6-2.*

#### Future

- Collaborate with outer coast Marine Resources Committees on ocean resource activities as they are established. *Recommendation 6-1.*

### **Ecosystem-Based Management**

#### Ongoing

- Learning from community-based ecosystem efforts and other regional assessments. Pursuing assessment of ecosystem and development of ecosystem indicators with regional partners. *Recommendation 1-6.*

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- Providing interagency input to state-level Marine Protected Area inventory and analysis (WDFW). *Recommendation 1-7.*

### **Collaboration with West Coast states and British Columbia**

#### Completed

- Established a British Columbia–Washington Coastal and Ocean Task Force to replace the Georgia Basin–Puget Sound Task Force. The new agreement covers both inland and outer coastal marine waters. *Recommendation 6-4.*
- Released regional action plan with California and Oregon under the West Coast Governors' Agreement on Ocean Health. This helps advance Washington priorities, including those recommendations established by the Ocean Policy Work Group (Gov). *Recommendations 6-3 and 6-4.*

#### Ongoing

- Implementing key actions under the West Coast Governors' Agreement on Ocean Health, such as:
  - Examining alternative ocean energy technologies utilizing waves and tides.
  - Advancing regional sediment management planning.
  - Improving water quality by tackling issues like hypoxia, Harmful Algal Blooms, invasive species, polluted runoff and vessel pollution, and derelict fishing gear and other marine debris.
  - Characterizing nearshore and offshore habitat through seafloor mapping and research.
  - Pursuing ecosystem assessments and developing ecosystem indicators. Learning from community-based ecosystem efforts and other regional assessments.
  - Advancing regional scientific research priorities. Results of planning effort by West Coast Sea Grant institutions expected in early 2009.
  - Expanding ocean education for K-12 and public through ocean education standards and improved literacy programs.
  - Supporting sustainable economies in coastal communities, including providing tools for assessing climate change impacts and supporting working waterfronts.

*Recommendations 1-2, 1-6, 1-7, 1-8, 1-9, 1-10, 2-1, 2-3, 2-9, 2-11, 3-1, 4-1(4-1: A, B, and C), 4-2, 4-5, 4-7, 5-3, 5-4, 6-3, and 6-4.*

- Implementing activities under the British Columbia–Washington Coastal and Ocean Task Force, such as:
  - Updating science to inform policy.
  - Developing coastal and ocean indicators.
  - Restoring and conserving habitat, improving water quality, including conducting hands-on restorations such as removing derelict fishing gear.
  - Understanding and preparing for climate change.
  - Fostering sustainable communities
  - Learning about other, similar regional and transboundary efforts.

*Recommendations 1-6, 1-7, 2-17, 4-1, and 6-4.*

## Status of All Action Plan Recommendations

\* bold recommendations are key priorities from *Washington's Ocean Action Plan*

Terms:

- ✓ Completed = activity is done.
- In Progress = work is underway with an anticipated completion in the next year or two.
- Ongoing = work is underway with no anticipated completion date or a longer-term completion. These activities generally require continuing work for the near future.
- Long-term = work requires a longer-term strategy and focus. Often, current resources, priorities, or other issues influence this decision.

Recommendation	Lead agency	Status
<u>SUSTAINABLE FISHERIES</u>		
<p><b>Recommendation 1-1</b>  <i>Support groundfish management on a regional level, which could have a smaller geographic scope than West Coast-wide, by: 1) collaborating to increase data collection and analysis and 2) encouraging the Pacific Fishery Management Council to incorporate regional differences into fisheries management on the West Coast.</i></p>	WDFW	<p>✓ <b>Completed</b></p> <p>New law allowed WDFW to establish a groundfish research program through increased fees on recreational &amp; commercial licenses to fund the research program. Estimated to produce about \$200k per year.</p> <ul style="list-style-type: none"> <li>○ <b>Ongoing</b> Working to coordinate surveys with NOAA. Participating in Pacific Fishery Management Council.</li> </ul>
<p><b>Recommendation 1-2</b>  <i>Collaborate on benthic habitat research efforts, including nearshore and shelf habitat characterization and mapping.</i></p>	WDFW, Gov, DNR, Ecology, WSG	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b> Held Washington workshop on mapping needs and status in January 2008. Developed state mapping strategy with partners. Navy agreed to rescind its security restriction on NOAA sharing high resolution data due in part to advocacy by Washington Governor's office. WCGA priority action to map state waters by 2020. UW project to study glass sponge reef habitat off the coast currently underway funded by Washington Sea Grant. The IPC developed a research and monitoring initiative that includes habitat mapping and research.</li> </ul>

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<u>AQUACULTURE</u>		
<p><b>Recommendation 1-3</b>  <i>Organize a stakeholder process on all issues of finfish aquaculture through the William D. Ruckelshaus Center or other appropriate consensus facilitator.</i></p>	Gov	<ul style="list-style-type: none"> <li>- <b>Long-term recommendation.</b> Requires shift in funding or additional resources.</li> </ul>
<p>Recommendation 1-4  <i>Continue to pursue state agency, legislative, and public input in order to provide clear state input on the development of national aquaculture policy, such as the National Offshore Aquaculture Bill.</i></p>	SOC	<ul style="list-style-type: none"> <li>o <b>Ongoing</b></li> </ul> <p>Government Accounting Office (GAO) met with Washington agencies and Gov's office to discuss current management of aquaculture activities and receive input on national bill.</p>
<p>Recommendation 1-5  <i>The state, tribes, and academia should pursue increased research on the potential physical and socioeconomic effects of marine fish enhancement and finfish aquaculture.</i></p>	SOC	<ul style="list-style-type: none"> <li>- <b>Long-term recommendation.</b> Requires shift in funding or additional resources.</li> </ul>
<u>ECOSYSTEM-BASED MANAGEMENT</u>		
<p><b>Recommendation 1-6</b>  <i>Assess coastal and ocean resources and trends to facilitate an ecosystem-based approach in management of ocean and coastal resources. Develop performance measures and key indicators to evaluate progress toward ecosystem health.</i></p>	SOC	<ul style="list-style-type: none"> <li>o <b>Ongoing</b></li> </ul> <p>Evaluating Integrated Ecosystem Assessment as a regional tool under WCGA, including pilot underway for Puget Sound. Learning about community approaches to ecosystem-based management throughout the region.</p> <p>PFMC adopted an ecosystem-based fishery management plan. Development of full plan will likely take a couple years. The team has representatives from West Coast states and NMFS.</p>

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<p>Recommendation 1-7  <i>Over the long-term, the state should continue to explore and consider using various management tools for coastal and ocean resources through a collaborative state, tribal, and federal process.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Agencies currently utilize various tools for managing and protecting aquatic resources. WDFW leading Marine Protected Area inventory and criteria effort (Substitute Senate Bill 6231).</p>
<p><u>OCEAN ENERGY</u></p>		
<p>Recommendation 1-8  <i>The state should support extension of the offshore oil and gas moratorium in perpetuity.</i></p>	<p>Gov</p>	<ul style="list-style-type: none"> <li>✓ <b>Completed</b></li> </ul> <p>Governor Gregoire, along with the CA and OR Governors, sent joint letters to Congress and the President opposing lifting the oil and gas moratoriums on the West Coast and supporting continuing the moratoriums in perpetuity.</p>
<p><b>Recommendation 1-9</b>  <i>Integrate policy for marine and ocean renewable energy among state agencies. Interact with the Minerals Management Service on offshore energy issues. Evaluate potential impacts on existing uses and investigate developing comprehensive guidelines for renewable ocean energy such as through a Programmatic Environmental Impact Statement.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>✓ <b>Completed and in progress</b></li> </ul> <p>State agencies provided comments on FERC policy and MMS policies and rulemakings over past two years, and informally collaborated. State developed a soon-to-be finalized Memorandum of Understanding with FERC. Office of Regulatory Assistance is leading a multi-agency group to assist permitting of pilot projects, including examining needed scientific and technical studies. Engrossed Substitute Senate Bill 6111 passed in 2008 to establish work group to examine tidal and wave energy issues led by CTED and Energy Facilities Site Evaluation Council, but funding was eliminated.</p>

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<p>Recommendation 1-10  <i>Promote only environmentally responsible marine renewable energy development and solicit further input from stakeholder groups from Washington, Oregon, and British Columbia.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>WA, CA, OR, and federal agencies hosted workshop in September 2008 to assess feasibility as well as collaborate on research, regulatory, and planning issues under West Coast Governors' Agreement. Incorporated input of interested parties and participation of tribes. Received stakeholder input on issue through the workshop, outreach meetings (WCGA and SOC), Sea Grant research planning effort, and proposed projects and preliminary permits.</p>
<p><u>COASTAL HAZARDS</u></p>		
<p>Recommendation 2-1  <i>Increase coordination for coastal hazard planning and preparedness among state agencies including partnering with federal, tribal, and local governments to prioritize data collection, improving outreach and dissemination of resources for local communities, and strengthening communication.</i></p>	<p>SOC, Ecology, EMD, DNR</p>	<ul style="list-style-type: none"> <li>- <b>Long-term recommendation.</b></li> </ul> <p>Reconvene hazards groups to further scope future actions that would coordinate state coastal hazard efforts such as for tsunamis, erosion and severe storms.</p>
<p>Recommendation 2-2  <i>Enhance public education on tsunamis and other coastal hazards with additional resources from the state and federal government. NOAA's tsunami program and workshops in communities are examples of successful models for education.</i></p>	<p>SOC, Ecology, EMD &amp; DNR</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>The state-local Tsunami Work Group and NOAA's tsunami program provide a forum for addressing tsunami education. The federal Tsunami Warning and Education Act will increase federal funding available annually; additional funds should be available within WA. EMD is involved in UW extension course developed to provide organizational training for international emergency managers.</p>
<p><b>Recommendation 2-3</b>  <b><i>Address gaps in hazards research and planning. Advance baseline data and research on coastal hazards conducted by state agencies. Improve technical and financial assistance provided by state agencies to coastal communities for land-use planning.</i></b></p>	<p>Ecology</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Basic money for Shoreline Master Program updates is available. Under WCGA, NOAA will bring trainings on Low-Impact Development and planning to two Washington coastal communities in 2009.</p>

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<p>Recommendation 2-4 <i>Analyze effectiveness of shoreline policies, regulations, and education at reducing hazard risks.</i></p>	<p>Ecology</p>	<p>- <b>Long-term recommendation.</b> No action at this time.</p>
<p>Recommendation 2-5 <i>The federal government should adjust coastal hazard programs to reduce hazard risk such as reducing incentives, improving coordination, and modernizing flood mapping.</i></p>	<p>Gov</p>	<p>o <b>Ongoing</b></p> <p>Revisions to the National Flood Insurance Program (NFIP) have slightly reduced incentives to development in coastal hazard areas by addressing repetitive loss properties requiring them to implement flood damage mitigation measures. The NFIP also established a severe repetitive loss properties grant program that enables local governments to acquire these properties and preserve them as open space. The Map Modernization Phase II will hopefully provide funding to accomplish updated mapping starting in 2010.</p>
<p>Recommendation 2-6 <i>The state should evaluate current programs and take actions needed to reduce impacts of coastal hazards including: prioritizing grant applications for projects that provide flood mitigation, conducting workshops on "No Adverse" impact, and considering changes to state guidelines and laws.</i></p>	<p>SOC, Ecology</p>	<p>o <b>Ongoing</b></p> <p>Ecology established an internal policy for FCAAP grant applications giving a level of priority to coastal hazard projects. Ecology is coordinating with FEMA Region 10 on arranging for "No Adverse" Impact workshops to be conducted during Federal Fiscal Year 2008 or 2009.</p>
<p>Recommendation 2-7 <i>Fix aging and critical infrastructure on outer coast through additional resources for Washington State Department of Transportation (WSDOT) bridge retrofit program.</i></p>	<p>WSDOT</p>	<p>- <b>Long-term recommendation.</b> No action at this time. Requires shift in allocation of existing funds or additional resources.</p>
<p>Recommendation 2-8 <i>Encourage the state and federal government to complete the All Hazards Alert Broadcast network for Washington's outer coast and straits. This network will warn of a hazard event and enable a timely response.</i></p>	<p>Gov, EMD</p>	<p>o <b>Ongoing</b></p> <p>Money from state and federal governments allowed installation of several key parts of the system along the outer coast. Continue progress to ensure complete coverage.</p>

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<u>EROSION &amp; SEDIMENT MANAGEMENT</u>		
<p><b>Recommendation 2-9</b>  <i>The state should adopt the following goals and principles on erosion and sediment management:</i></p> <ol style="list-style-type: none"> <li>1) Require beneficial use of dredged materials where appropriate to deal with chronic erosion.</li> <li>2) Minimize impacts to navigation and other marine resources.</li> <li>3) Enforce permit conditions set out for projects.</li> <li>4) Use a regional approach in order to increase efficiency and effectiveness of sediment management.</li> <li>5) Use best available science on coastal sediment processes as a key component for management and planning.</li> </ol>	<p>SOC, Ecology</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>These goals and principles are already in use through Ecology's permitting for dredge disposal activities. Working to increase beneficial use with federal and local partners through regional sediment management planning, technical workshops, and pilot projects.</p>
<p><b>Recommendation 2-10</b>  <i>Through the Governor's office, the state should actively participate in and represent the state's interests in the Lower Columbia Solutions Group.</i></p>	<p>Gov</p>	<ul style="list-style-type: none"> <li>✓ <b>Completed</b></li> </ul> <p>Governor's office is actively participating in the Lower Columbia Solutions Group.</p>
<p><b>Recommendation 2-11</b>  <i>Provide dedicated resources to participate in and represent the state's interests in regional sediment management and permitting issues through the Department of Ecology. Tasks should include:</i></p> <ol style="list-style-type: none"> <li>a) Assisting in developing dredge disposal sites that keep sediment in the littoral drift cell.</li> <li>b) Engaging the Army Corps of Engineers in achieving the U.S. Commission on Ocean Policy's recommendations on improving regional sediment management.</li> </ol>	<p>Ecology</p>	<ul style="list-style-type: none"> <li>• <b>In progress</b></li> </ul> <p>Ecology is participating in regional sediment management issues and examining options with partners including pilot locations for dredge placement in Washington's nearshore. Governor's proposed 2009-2011 budget includes \$1.7 million in capital funds to support such a project. Ecology helped plan a science-policy workshop on sediment management focused on SW Washington's nearshore (Ilwaco, July 2007). Ecology, Gov's office, and other state, federal, local agencies, and key stakeholders provided active participation in the workshop.</p>
<p><b>Recommendation 2-12</b>  <b><i>Conduct long-term sediment and erosion monitoring and support the Department of Ecology's Coastal Monitoring and Analysis Program.</i></b></p>	<p>Ecology</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Ecology currently has an erosion monitoring program. State funding is low and not dedicated, while other sources of funding are diminishing.</p>

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<p>Recommendation 2-13 <i>Provide independent analysis of sediment transport modeling tools as called for by the U.S. Commission on Ocean Policy.</i></p>	<p>Ecology</p>	<p>- <b>Long-term recommendation</b> Requires additional resources to accomplish. Expertise exists, but resources to complete analysis do not. See 2-12 above first.</p>
<p>Recommendation 2-14 <i>The state should engage the US Army Corps of Engineers to provide resources to maintain navigability of smaller ports and related infrastructure in coastal communities.</i></p>	<p>CTED, Gov, Ecology</p>	<p>o <b>Ongoing</b> Some funding provided in conference version of WRDA bill to study causes of sedimentation of Baker Bay and Ilwaco Harbor – whether related to federal navigation project. \$220k has been allocated and approved from the Governor's Strategic Reserve fund for the purchase of dredging equipment to be used by several small ports around Willapa Harbor. The ports are in the process of trying to secure additional funding before a contract can be executed.</p>
<p><u>CLIMATE CHANGE</u></p>		
<p><b>Recommendation 2-15</b> <i>Improve state climate change coordination by elevating a lead agency or individual and clarifying roles and responsibilities.</i></p>	<p>Gov</p>	<p>✓ <b>Completed</b> Governor's executive order set climate change goals and the Climate Action Team is working to implement activities.</p>
<p>Recommendation 2-16 <i>Develop and implement effective climate change education and outreach.</i></p>	<p>Gov</p>	<p>✓ <b>Completed and in progress</b> Ecology and CTED recently launched a web portal on climate change.</p>

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<p>Recommendation 2-17  <i>Conduct climate research necessary to predict impacts and vulnerabilities and adapt resource planning, mitigation, and management.</i></p>	<p>Gov</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>The UW Climate Impacts Group conducted an initial statewide assessment of climate impacts, including coasts. Examining further state research needs and pursuing regional sea-level rise and shoreline assessments as part of West Coast Governors' Agreement and British Columbia-Washington Coastal and Ocean Task Force.</p>
<p>Recommendation 2-18  <i>Continue addressing the threat of climate change by promoting development of renewable energy sources, including offshore sources such as wave and wind energy; reducing greenhouse emissions; improving energy efficiency; and increasing regional alternative transportation.</i></p>	<p>Gov</p>	<ul style="list-style-type: none"> <li>✓ <b>Completed and in progress</b></li> </ul> <p>Governor's office, Ecology and CTED have taken action on reducing greenhouse emissions through various measures. State passed renewable portfolio standard to increase development of renewable energy.</p>
<p><u>MARINE DEBRIS – DERELICT FISHING GEAR</u></p>		
<p><b>Recommendation 3-1</b>  <i>Establish a statewide program approach to identifying and removing derelict fishing gear.</i></p>	<p>DNR</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>DNR evaluating potential program options and examining possible revision to marine plastics law.</p>
<p>Recommendation 3-2  <i>The Northwest Straits Commission and DNR's dive team should provide derelict fishing gear removal training and resources to local communities on the outer coast.</i></p>	<p>NW Straits, DNR</p>	<ul style="list-style-type: none"> <li>✓ <b>Completed</b></li> </ul> <p>Northwest Straits Commission and DNR's dive team conduct trainings as opportunities arise.</p>
<p>Recommendation 3-3  <i>WDFW should supply targeted education to recreational and commercial fishers regarding derelict fishing gear reporting and prevention.</i></p>	<p>WDFW</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>WDFW conducts education and outreach to commercial fishing community regarding gear reporting and prevention.</p>
<p>Recommendation 3-4  <i>DNR should re-examine the marine plastics program and provide recommendations on potential dedicated funding sources.</i></p>	<p>DNR</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>DNR examining as part of recommendation 3-1 (derelict fishing gear).</p>

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<u>OIL SPILLS</u>		
<p>Recommendation 3-5 <i>The Oil Spills Advisory Council (OSAC) should continue its process and detailed work on improving the state's oil spill prevention, preparedness, and response.</i></p>	OSAC	<p>✓ <b>Completed</b></p> <p>OSAC was set up by legislation to continue its work on oil spills.</p>
<p><b>Recommendation 3-6</b> <b><i>Maintain a year-round response and rescue tug at Neah Bay.</i></b></p>	Ecology and Gov	<p>✓ <b>Completed</b></p> <p>Year-round funding proposed in Governor's FY 2009-2011 budget for tug at Neah Bay for Fiscal Year 2010. One-time funding is provided for a year-round, standby rescue tug for Fiscal Year 2010. Federal legislation is anticipated to establish a permanent, industry-funded tug at the entrance of the Strait of Juan de Fuca by July 1, 2010.</p>
<p>Recommendation 3-7 <i>Eliminate the backlog of commercial vessels identified by DNR's Derelict Vessel Program.</i></p>	DNR	<p>○ <b>Ongoing</b></p> <p>Significant funding increase during 2007 legislative session for derelict vessel program will allow more removals and removals of a few large vessels that are more expensive to remove. Governor's proposed FY 2009-2011 budget provides ongoing funding to remove derelict and abandoned vessels that pose a public nuisance and/or safety hazards.</p>
<u>OCEAN RESEARCH AND OBSERVING</u>		
<p><b>Recommendation 4-1</b> <b><i>Develop an ocean research, monitoring, and observing summary report and strategic plan which summarizes current and prioritizes future research, monitoring, and observing efforts.</i></b></p>	WSG and SOC	<p>○ <b>Ongoing</b></p> <p>West Coast Sea Grant entities developing regional research priorities plan for the West Coast. Agencies collaborated to provide input and West Coast Governors' Agreement will utilize outcome to inform their research priorities. Final report is expected in early 2009.</p>

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<p>4-1A Conduct an ocean research, monitoring, and observing conference to prioritize, plan, and coordinate future Washington's observing, monitoring, and research needs.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>See 4-1 above. West Coast Sea Grant entities conducted extensive outreach to gather input on research needs.</p>
<p>4-1B Collaborate with other West Coast states, Olympic National Marine Sanctuary, tribes, local governments, and Sea Grant on strategic research planning work.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>See 4-1 above. West Coast Sea Grant Regional Research priority planning effort included input all along West Coast from all types of entities.</p>
<p>4-1C Report on the status of Washington's observing systems and explore potential for federal partnership for long-term ocean observations.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Working with NANOOS to explore expansion of ocean observing assets and influence federal buoy program.</p>
<p>4-1D Identify key biodiversity and ocean ecosystem health indicators. Monitor indicators and management actions over the long-term.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Part of West Coast Governors' Agreement and BC/WA Coastal and Ocean Task Force plans. See recommendation 1-6.</p>
<p>4-1E Identify new scientific research and observing needs for the state's programs, policies, and planning.</p>	<p>WSG and SOC</p>	<ul style="list-style-type: none"> <li>● <b>In Progress</b></li> </ul> <p>Washington Sea Grant supported a University of Washington thesis project to identify and compile priorities and needs from existing plans and recommendations developed within the three states. Washington Sea Grant is also identifying these needs through the West Coast Regional Research priorities plan (see 4-1 above).</p>
<p>4-1F Examine the feasibility of a scientific advisory committee or similar structure for future state ocean policy efforts.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>✓ <b>Completed</b></li> </ul> <p>No funding to support formal committee. Utilizing contacts identified by agencies and stakeholders for scientific review and input on as needed basis.</p>

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<p>Recommendation 4-2 <i>Collaborate with Oregon and California on ocean research, monitoring, and observing.</i></p>	<p>SOC Gov</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>WCGA collaborating with West Coast Sea Grant regional research priorities effort and Ocean Observing Systems to pursue common research, monitoring, and observing needs along the West Coast. (See 4-1 for specifics).</p>
<p><b>Recommendation 4-3</b> <b><i>Pursue installation of Doppler RADAR facility on Washington's outer coast and promote placement of additional buoys and sensors on outer coast. Integrate observing networks.</i></b></p>	<p>Gov</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Federal Senate appropriations committee preliminarily set aside some funding in budget process to develop coastal Doppler Radar for outer coast within the National Weather Service.</p> <p>NANOOS proposal contained some funding for additional buoys and sensors on Washington's outer coast, but their funding was reduced.</p>
<p>Recommendation 4-4 <i>The state should support installation and expansion of the proposed NEPTUNE cabled observatory project to improve ocean research, monitoring, and observation on the outer coast.</i></p>	<p>Gov</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Neptune project received \$335 million from National Science Foundation. UW received funds to develop detailed engineering specifications for a seafloor cabled observatory that will be used to conduct scientific research off the coasts of Washington and Oregon.</p>
<p><u>OCEAN EDUCATION</u></p>		
<p><b>Recommendation 4-5</b> <b><i>Improve ocean literacy in Washington by developing an ocean education inventory and strategic plan.</i></b></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>The Education, Environment, Economy (E3) effort seeks to identify regional assets and needs for environmental education. The final statewide and regional plans are currently being developed. E3 also set up an online environmental education resource center.</p>
<p>4-5A Commission a report to inventory and assess current ocean literacy efforts at all educational levels.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing.</b> See E3 effort above.</li> </ul>

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<p>4-5B Develop a statewide ten-year strategic plan to guide ocean education.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing.</b> See E3 effort above.</li> </ul>
<p>4-5C Conduct an ocean education conference in order to facilitate assessment and strategic planning.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>✓ <b>Completed.</b></li> </ul> <p>E3 process conducted regional conferences for the statewide environmental education planning, including two summits on the outer coast hosted by Grays Harbor College. Sea Grant regional research planning process will also identify educational research needs (see 4-1).</p>
<p>4-5D Identify links between coastal community education opportunities and socioeconomic needs that may benefit local communities.</p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>- <b>Long-term recommendation.</b> No action at this time.</li> </ul>
<p>Recommendation 4-6 <i>Promote ocean education programs for coastal tribes. Reinstitute a program that encourages tribal students to attain science college degrees.</i></p>	<p>WSG</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p>Washington Sea Grant currently analyzing and reviewing STEP program as well as the needs and resources with tribes and other stakeholders for establishing a similar program.</p>
<p>Recommendation 4-7 <i>Identify successful public ocean education programs and provide resources to expand them around the state.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing and long-term recommendation</b></li> </ul> <p>Washington Sea Grant assisted Pacific Education Institute to partner with the Northwest Indian Fisheries Commission on producing the “Shadow of the Salmon” program in outer coast schools.</p> <p>Supported development of Pacific Education Institute program on the outer coast which received NOAA B-WET grant funding for \$274k over three years. Project will create teacher and community network on outer coast and develop student stewardship projects focusing on local natural resources, including ocean and marine resources.</p> <ul style="list-style-type: none"> <li>- <b>Long-term,</b> the West Coast Governors’ Agreement will help identify successful education programs and coordinate regionally.</li> </ul>

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<p>Recommendation 4-8 <i>Increase public access to educational opportunities through additional interpretive centers. Identify and provide resources to build and maintain interpretive centers in coastal communities.</i></p>	<p>Gov</p>	<p>✓ <b>Completed and ongoing.</b></p> <p>State Parks provided educational opportunities at coastal parks for over 400 students, teachers and staff and provided camping opportunities for low-income, urban families.</p> <p>- <b>Long-term recommendation.</b> No action on new interpretive centers at this time.</p>
<p><b>SUSTAINABLE AND RESILIENT COMMUNITIES</b></p>		
<p><u>LAND USE PLANNING</u> <b>Recommendation 5-1</b> <b><i>Assist coastal communities in implementing high-impact projects that significantly improve the quality of life of their citizens through creation of Community Action Teams in the Department of Community, Trade and Economic Development (CTED).</i></b></p>	<p>CTED</p>	<p>- <b>Inactive.</b> Community Action Teams were not funded, but the increase in funding for the coastal Economic Development Councils and the legislative performance measures will enable ITED to better focus on local priorities, especially with three new regional offices that will serve coastal communities.</p>
<p>Recommendation 5-2 <i>Target state agency planning funds and staff resources to coordinate and assist with local planning efforts and to increase communication among planning agencies.</i></p>	<p>CTED</p>	<p>○ <b>Ongoing.</b></p> <p>Basic funding is provided for local jurisdictions to update their Shoreline Master Programs. Under WCGA, NOAA will bring planning workshops and trainings to two local coastal communities in 2009.</p>
<p><u>INFRASTRUCTURE</u> Recommendation 5-3 <i>Establish funding targets for infrastructure development in and between coastal communities by appropriate state and federal agencies.</i></p>	<p>SOC</p>	<p>○ <b>Ongoing.</b></p> <p>\$220k has been allocated from the Governor's Strategic Reserve fund for the purchase of dredging equipment to be used by several small ports around Willapa Harbor. See recommendation 2-14.</p>
<p>Recommendation 5-4 <i>Connect coastal communities with infrastructure programs that are appropriate to their needs. The state should identify appropriate ways to facilitate training and assistance on infrastructure programs for coastal communities.</i></p>	<p>CTED, SOC</p>	<p>- <b>Long-term recommendation.</b> No scholarships or grants for small communities to attend IACC were solicited by the locals to ITED.</p>

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<p><u>BUSINESS &amp; INDUSTRY</u>                  Recommendation 5-5  <i>Enhance the strength of local businesses by expanding the cluster-based approach to economic development in coastal communities. CTED should provide short and mid-range economic development through adjusted current resources or additional resources to local communities. This includes the research needed to correctly identify existing industry clusters in the local regions.</i></p>	<p>CTED</p>	<ul style="list-style-type: none"> <li>o <b>Ongoing</b></li> </ul> <p>An industry cluster analysis for Washington State Workforce Development Areas was released in November 2008. This report was prepared researchers from Seattle University and University of Washington.</p>
<p><u>WORKFORCE DEVELOPMENT, TRAINING, &amp; EDUCATION</u>                  Recommendation 5-6  <i>Create a focused, coordinated, and targeted effort for workforce development in coastal communities with existing resources.</i></p>	<p>SOC, CTED</p>	<ul style="list-style-type: none"> <li>o <b>Ongoing.</b></li> </ul> <p>Pacific Mountain Alliance for Innovation on being named a <i>Workforce Innovation in Regional Economic Development</i> region by the U.S. Department of Labor. The alliance, a consortium of economic development, education, business and labor leaders in <b>Grays Harbor</b>, Lewis, Mason, <b>Pacific</b> and Thurston counties, will receive \$5 million over three years to support and build their regional economy, including the workforce.</p>
<p><u>RESEARCH</u>                  Recommendation 5-7  <i>To support economic decision-making and community planning, CTED should update the economic vitality index for the coastal counties.</i></p>	<p>CTED</p>	<ul style="list-style-type: none"> <li>- <b>Long-term recommendation.</b> No additional Resources have been identified to update the economic vitality index.</li> </ul>
<p>Recommendation 5-8  <i>Establish better links between economy and ocean research and education. Expand work at existing centers such as Friday Harbor Labs and Olympic Natural Resource Center and explore establishing new research centers.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>- <b>Long-term recommendation.</b> No action at this time.</li> </ul>
<p>Recommendation 5-9  <i>Diversify and strengthen local coastal economies by supporting new research on emerging coastal industries for expanded or new production through entities such as CTED, state universities, and the Washington State Department of Agriculture.</i></p>	<p>CTED</p>	<ul style="list-style-type: none"> <li>- <b>Long-term recommendation.</b> No action at this time.</li> </ul>

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<u>GOVERNANCE</u>		
<p><b>Recommendation 6-1</b>  <b><i>Establish the WASHINGTON INTERAGENCY OCEAN POLICY TEAM</i></b>                      The OPWG recommends initiating a clearly defined collaborative process involving core ocean and coastal state agencies that includes regular consultation and collaboration with federal agencies, neighboring states and provinces, tribes, local governments, ports, industry, non-profit organizations, schools, colleges and universities and interested citizens.</p>	<p>SOC</p>	<p>✓ <b>Completed and ongoing</b>                      Coordinating efforts through State Ocean Caucus and the Ocean Policy Advisory Group. See details provided earlier in progress report for who these groups are and how they function.</p>
<p>Recommendation 6-2  <i>Provide intergovernmental collaboration within Washington State.</i></p>	<p>Gov, SOC</p>	<p>✓ <b>Completed and ongoing</b>                      Governor's office participates on Olympic Coast Intergovernmental Policy Council with tribes to advise the Olympic Coast National Marine Sanctuary on management issues.                      Governor's office also working with British Columbia on Coastal and Ocean Task Force. See below for work with other West Coast states.</p>
<p>Recommendation 6-3  <i>Promote and enhance relationship between State-Federal government.</i></p>	<p>Gov</p>	<p>✓ <b>Completed and ongoing</b>                      Partnering with federal agencies on West Coast Governors' Agreement and with Olympic Coast National Marine Sanctuary on state-level activities.</p>
<p>Recommendation 6-4  <i>Collaborate with the West Coast governments on ocean policy issues.</i></p>	<p>Gov</p>	<p>✓ <b>Completed and ongoing</b>                      West Coast Governors' Agreement on Ocean Health (Washington, Oregon, California) released their regional action plan in July 2009. See 6-2 above for collaboration with sovereign nations (tribes and Canada).</p>

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<p>Recommendation 6-5  <i>Review existing ocean related laws, including the Ocean Resources Management Act (ORMA), and offer recommendations for updating laws to align with contemporary ocean issues.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>• <b>In progress</b></li> </ul> <p>Ecology implementing current ORMA and defining procedures for applying it effectively and consistently.</p>
<p>Recommendation 6-6  <i>Examine the enforceable policies of Washington's Coastal Zone Management Program for purposes of federal consistency determinations. In particular, assess gaps in coverage and the feasibility of adding applicable state coastal and ocean resource laws to the Coastal Zone Management Program's enforceable policies.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>• <b>In progress</b></li> </ul> <p>Hershman fellow selected to assist with necessary research and analysis and will start in December 2008.</p>
<p><u>FUNDING</u>          Recommendation 6-7  <i>Review funding mechanisms and provide update on potential and recommended funding for various OPWG recommendations, as appropriate.</i></p>	<p>SOC</p>	<ul style="list-style-type: none"> <li>○ <b>Ongoing</b></li> </ul> <p><i>Washington Ocean Action Plan</i> report outlined a variety of potential funding mechanisms. Reviewed as needed for specific recommendations.</p>

## Public Outreach Meeting Agendas

### Agenda

#### State Ocean Caucus outreach meeting

Grays Harbor Community College

Aberdeen, WA

June 26, 2007                      2 pm – 5:30 pm

- 2:00 – 2:05    Welcome and introductions – Kathleen Drew, Governor's Office**
- 2:05 – 2:35    Update on ocean and coastal issues – Jennifer Hennessey, Washington Dept. of Ecology**
- What were the key recommendations from the Ocean Policy Work Group?
  - How do state agencies coordinate their work on the outer coast?
  - What are the opportunities for local involvement?
- Presentation – 20 minutes  
Questions and Answers
- 2:35 – 3:00    Marine Resource Committees – Tim Smith, Washington Dept. of Fish & Wildlife**
- What are Marine Resource Committees and how do they work?
- Presentation – 15-20 minutes  
Questions and Answers
- 3:00 – 3:15    Sea Grant Regional Research Priorities – Raechel Waters, Washington Sea Grant**
- 3:15 – 3:30    Break**
- 3:30 – 4:30    West Coast Governors' Agreement on Ocean Health – Kathleen Drew, Governor's Office**
- Overview of agreement and introduction of federal partners - 15 minutes  
Questions & Answers  
Public Comment
- 4:30 – 5:15    Update of the federal Coastal Zone Management Act - Brian Lynn, Washington Dept. of Ecology, Washington's Coastal Zone Management Program**
- Overview – 15 minutes  
Questions & Answers  
Public Comment
- 5:15 – 5:30    General Public Comments**
- 5:30            Summary and Adjourn**

**Agenda**  
**State Ocean Caucus outreach meeting**  
Ilwaco Heritage Museum  
Ilwaco, WA  
July 11, 2007                      1 pm – 3 pm

- 1:00 – 1:05      Welcome and introductions – Kathleen Drew, Governor's Office**
- 1:05 – 1:35      Update on ocean and coastal issues – Jennifer Hennessey, Washington Dept. of Ecology**
- What were the key recommendations from the Ocean Policy Work Group?
  - How do state agencies coordinate their work on the outer coast?
  - What are the opportunities for local involvement?
- Presentation – 20 minutes  
Questions and Answers
- 1:35 – 2:00      Marine Resource Committees – Michele Culver, Washington Dept. of Fish & Wildlife**
- What are Marine Resource Committees and how do they work?
- Presentation – 15-20 minutes  
Questions and Answers
- 2:00 – 2:15      Sea Grant Regional Research Priorities – Raechel Waters, Washington Sea Grant**
- 2:15 – 3:00      West Coast Governors' Agreement on Ocean Health – Kathleen Drew, Governor's Office**
- Overview of agreement and introduction of federal partners - 15 minutes  
Questions & Answers  
Public Comment
- 3:00                General public comments, summary and adjourn**

**Agenda**

**State Ocean Caucus outreach meeting**

Ocosta High School Library

Westport, WA

February 13, 2008

3:30 pm – 6 pm

- 3:30 – 3:35**    **Welcome and introductions – Jennifer Hennessey, Dept. of Ecology**
- 3:35 – 4:00**    **Update on ocean and coastal issues – Jennifer Hennessey and State Ocean Caucus members**
- How do state agencies coordinate their work on the outer coast?
  - 2011 Work Plan
  - Status of West Coast Governors' Agreement on Ocean Health and Sea Grant Regional Research Priorities Plan
  - State legislation on ocean issues
- 4:00 – 4:45**    **Outer coast ocean research and monitoring efforts – Jan Newton, Northwest Association of Networked Ocean Observing Systems (NANOOS)**
- 4:45 – 5:00**    **Alternative Energy Briefing**
- What is the status of various projects?
  - How are agencies involved with current projects?
  - What is the process for projects? What are the opportunities for public involvement?
- 5:00 – 6:00**    **Group discussion and public feedback**  
Discussion on specific issues of interest  
Feedback on agenda, activities and work plan priorities
- 6:00**            **Summary and Adjourn**

**Agenda - Wednesday, May 28, 2008**  
**State Ocean Caucus public meeting**

Willapa Harbor Community Center  
916 West First Street  
South Bend  
5:30 pm – 8 pm

- 5:30 - 5:45 pm**      **Welcome and Introductions**  
*Commissioner Clay Harwood, Pacific County*  
*Jennifer Hennessey, Dept. of Ecology*
- Background on State Ocean Caucus and activities of the group
- 5:45 – 6:00 pm**      **Updates on State Ocean Caucus activities**
- West Coast Governors' Agreement, Governor's office
  - Long Beach Parks Planning, State Parks
  - West Coast regional research priorities plan, Washington Sea Grant
  - Marc Hershman graduate fellowship, Washington Sea Grant
  - Legislative session summary, all
- 6:00 – 6:20 pm**      **April Coast Cleanup and Future Cleanups**  
*David Lindau, Washington Clean Coast Alliance and Northwest Interpretive Alliance*
- 6:20 – 6:40 pm**      **Update on forming outer coast Marine Resource Committees**  
*Commissioner Al Carter, Grays Harbor County*  
*John Kliem, Grays Harbor County*
- 6:40 – 7:10 pm**      **Willapa Bay water quality monitoring and real-time tools for shellfish growers**  
*Jennifer Hennessey, Washington Dept. of Ecology*
- 7:10 – 7:40 pm**      ***Spartina* Management Update**  
*Mary Toohey, Washington Dept. of Agriculture*  
*Michele Culver, Washington Dept. of Fish and Wildlife*  
*Wendy Brown, Washington Dept. of Natural Resources*
- 7:40 - 8:00**      **Open Forum and Discussion**
- Feedback on agenda, current activities and issues, and priorities
- 8:00**      **Adjourn**

**Washington's Ocean Resources and You  
Draft Agenda**

October 15, 2008  
Ocean Shores Convention Center  
120 W. Chance A La Mer Ave.  
Ocean Shores, WA

Time: 6:00 to 8:30 pm

- 6:00- 6:15     **Welcome and Introductions** – Senator James Hargrove
- 6:15-6:30     **State Ocean Caucus Activities**  
West Coast Governors' Agreement Action Plan  
Hershman Fellowship
- 6:30-6:40     **Sea Grant West Coast Regional Research Priority Plan**  
Washington Sea Grant
- 6:40-7:20     **Coastal Erosion Recent Trends and Patterns on Washington's Coast**  
George Kaminsky, Washington Dept. Of Ecology
- 7:20-7:45     **Quinault Indian Nation Marine and Coastal Research Activities**  
Joe Schumacker, Quinault Dept. Of Fisheries
- 7:45- 8:10     **Varying ocean conditions and salmon growth and survival.**  
Ed Casillas, NOAA Northwest Fisheries Science Center:
- 8:10- 8:30     **Open discussion**