
John Farrell

U.S. Arctic Research Commission
Treadwell, Titley, Colvin, Carr, 3/16/11

USN Ice Camp

USS Connecticut
New National Ocean Policy
National Ocean Council

Secretaries of Interior, Commerce, Defense, Navy, Energy, State, etc.

Ocean Resource Management Interagency Policy Committee

Ocean Science and Technology Interagency Policy Committee

Governance Coordinating Committee
State/Tribal/Local

Ocean Research and Resources Advisory Panel
Academia/Industry/State

Office of Energy & Climate Change

National Economic Council

National Security Staff
America’s Living Oceans
CHARTING A COURSE FOR SEA CHANGE

A Report to the Nation
Recommendations for a New Ocean Policy
May 2003
<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Ocean Governance Reform</td>
<td>D</td>
<td>Lack of policy and frameworks in progress, development and implementation</td>
</tr>
<tr>
<td>Regional and State Ocean Governance Reform</td>
<td>A-</td>
<td>Promising strides in regions and states on a variety of ocean issues</td>
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<tr>
<td>International Leadership</td>
<td>C+</td>
<td>Significant progress for Law of the Sea Convention but need Senate approval</td>
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<tr>
<td>Research, Science, and Education</td>
<td>C-</td>
<td>Decreasing recognition of the need for strengthening ocean science and education but limited progress</td>
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<tr>
<td>Fisheries Management Reform</td>
<td>C+</td>
<td>Slow progress implementing fisheries management reforms</td>
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<tr>
<td>New Funding for Ocean Policy and Programs</td>
<td>D+</td>
<td>Efforts to address funding needs but still inadequate</td>
</tr>
<tr>
<td>Links between Oceans and Climate Change (New)</td>
<td>C</td>
<td>New subject: limited recognition of role of ocean but need real progress</td>
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**Contact:**
Laura Cantral, 202-354-6444

**Joint Initiative Applauds Interagency Ocean Policy Task Force Recommendations**

White House Interagency Ocean Policy Task Force final recommendations call for a strong national ocean policy to protect, maintain, and restore U.S. oceans, coasts, and Great Lakes.
President Barack Obama
The White House
1600 Pennsylvania Avenue NW
Washington, DC 20500

October 18, 2010

Dear President Obama:

On behalf of the newly formed Leadership Council of the Joint Ocean Commission Initiative we enthusiastically applaud your vision and foresight in establishing a National Ocean Policy through Executive Order 13547. Now that a coherent policy has been articulated, we ask you to affirm your commitment to implementing this vision and secure your ocean legacy by including **adequate funding in the FY 2012 budget request for ocean and coastal programs**. Increased funding in the FY 2012 budget will be instrumental in supporting a determined effort by federal agencies and their partners to implement the priorities identified in your Executive Order. As the FY 2012 budget proposal is developed, we recommend a particular focus on three priority areas:

1) **Establish an Ocean Investment Fund**
2) **Implement the National Ocean Policy**
3) **Enhance our ocean science enterprise**
7 themes:

• Arctic Observing Network
• Arctic climate & environmental change
• Arctic mapping & charting
• Safe, secure, and reliable Arctic Marine Transportation System
• Stewardship of the Arctic marine environment & sustainable development of resources
• Resilient & healthy Arctic communities & economies
• Domestic and international policy & partnerships in the Arctic
6 actions:

• Observe & forecast Arctic sea ice

• Establish a “Distributed Biological Observatory”

• Improve Arctic environmental response management

• Improve Arctic Communication

• Advance Arctic marine mapping & charting

• Improve coordination on Arctic Ocean issues
Distributed Biological Observatory Sites

[Map showing various sites in the Arctic region, marked with numbers 1 to 7.]

(modified by Karen Frey from Grebmeier et al. 2010, EOS 91]
LET'S BE MORE PREPARED THAN EVER.

Shell is dedicated to preventing and preparing for any safety challenges we may face. To support our plans to drill two 30-day exploration wells in the shallow waters off the coast of Alaska in 2011, we have created an unprecedented spill response approach. It includes having offshore, onshore and near-shore response teams and arctic-appropriate equipment ready 24-hours a day, and operational within an hour. It includes the purpose-built, ice-class, spill response vessel the Hanuq. And for 2011 we’ve further improved it by adding a subsea containment system; enhancing the response plan and upgrading our blowout preventor.

Of course, our goal is to make sure we never have to use it. www.shell.us/alaska

11/10/10
Arctic Drilling

Shell
Environmental Response Management Application (ERMA)

Field Response

Moored Sensors

Flow Modeling

Local Command

nowCOAST

FlowVis2D

ERMA Data Center
July 2001 voice & data

Source: Iridium, LLC
July 2006 voice & data

Source: Iridium, LLC
Arctic Nautical Charting Plan

A Plan to Support Sustainable Marine Transportation in Alaska and the Arctic

Office of Coast Survey
Marine Chart Division

June 1, 2011
Thank you