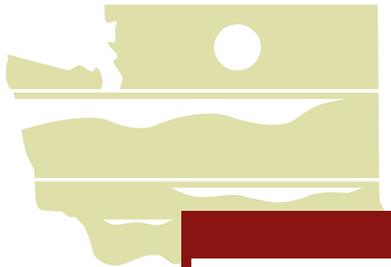
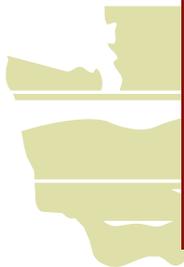




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# Sea-Level Rise: Current and Future Guidance Update

Kate Skaggs, NOAA Coastal Management Fellow

Western Coastal Managers' Meeting

January 6, 2010

# Why Are We Doing This?

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*Climate Change  
in Washington  
State...*

*meeting the challenge  
and seizing opportunities*



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# What has been done?

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- Appendix A: Addressing Sea Level Rise (SLR) in Shoreline Master Programs
- <http://www.ecy.wa.gov/programs/sea/shorelines/smp/handbook/index.html>



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# Projected Sea Level Rise in WA

Table 1. – Sea level rise predictions for the outer coast and Puget Sound.

	<b>Puget Sound</b>	<b>NW Olympic Peninsula</b>	<b>Central &amp; Southern Outer Coast</b>
2050	Very Low 3" Medium 6" Very High 22"	Very Low -5" Medium 0" Very High 14"	Very Low 1" Medium 5" Very High 18"
2100	Very Low 6" Medium 13" Very High 50"	Very Low -9" Medium 2" Very High 35"	Very Low 2" Medium 11" Very High 43"

Adapted From: *Sea Level Rise in the Coastal Waters of Washington State.*

# What is being done?

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- **Project:** “Planning for Rising Sea level in Washington: Providing Tools and Guidance for Local Governments”



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# What will be done?

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- Expand on Appendix A
- Outreach webpage on Ecology's website
- Encourage increased communication
- Identify coastal areas that are particularly vulnerable to sea level rise



# Planning for Sea-Level Rise

- Develop a guidebook around input from local government

**PREPARING FOR CLIMATE CHANGE**  
A Guidebook for Local, Regional, and State Governments



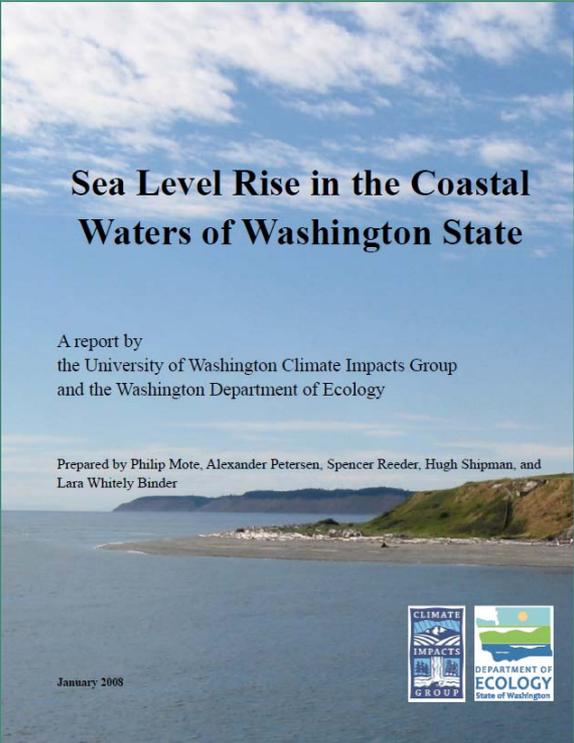
Written by  
Center for Science in the Earth System (The Climate Impacts Group)  
Joint Institute for the Study of the Atmosphere and Ocean  
University of Washington  
King County, Washington  
With an introduction by King County Executive Ron Sims



**Sea Level Rise in the Coastal Waters of Washington State**

A report by  
the University of Washington Climate Impacts Group  
and the Washington Department of Ecology

Prepared by Philip Mote, Alexander Petersen, Spencer Reeder, Hugh Shipman, and Lara Whitely Binder



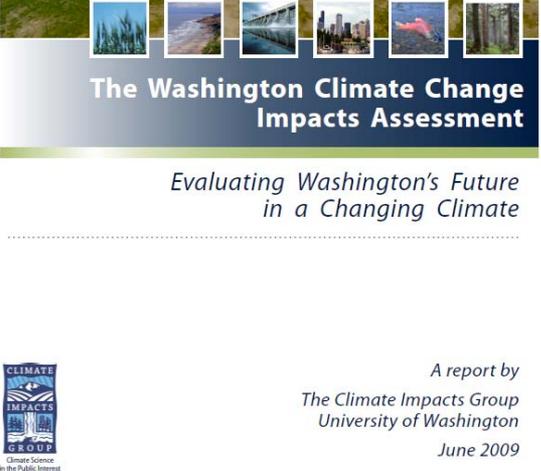
January 2008



**The Washington Climate Change Impacts Assessment**

*Evaluating Washington's Future in a Changing Climate*

A report by  
The Climate Impacts Group  
University of Washington  
June 2009



# Education & Outreach

- Educational materials
- Create a webpage

The screenshot shows a web browser displaying the 'Climate Change in Washington State' page from the Washington State Department of Ecology. The browser's address bar shows the URL 'http://www.ecy.wa.gov/climatechange/index.htm'. The website header includes the Department of Ecology logo and navigation links such as 'Home', 'WATER', 'AIR', 'WASTE', 'CLEANUP', 'TOXIC HAZARDS', 'GREEN', 'About Us', and 'Jobs'. The main content area features a large image of a snow-capped mountain with the text 'Climate Change in Washington State... meeting the challenge and seizing opportunities'. Below this, there is a section titled 'The potential impacts of global warming dwarf those of other environmental threats' with a paragraph of text. To the right, there is a small image of a green plant and a section titled 'CARBON SMART' with the text 'Leading the way to reduce the state's carbon footprint.' At the bottom right, there is a 'CLIMATE NEWS' section with a link to 'Oct 7: Ecology to cut building costs and emissions as part of global effort on climate change action' and a 'NEW! OCEAN ACIDIFICATION FOCUS SHEET' link. At the very bottom, there is a 'SEPA DRAFT GUIDANCE' link.

# Foster Communication

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- Informal advisory committee
- Collaborate with experts and engage in regional climate activities



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# Focus on Vulnerable Areas

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- Outer central and southern coasts
- South Puget Sound
- North east Puget Sound-Skagit Bay

# Questions??

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