

# SELECT BIBLIOGRAPHY

- Association of State Floodplain Managers (ASFPM). 2007. *Coastal No Adverse Impact Handbook*. ASFPM.  
[www.floods.org/index.asp?menuid=340&firstlevelmenuid=187&siteid=1](http://www.floods.org/index.asp?menuid=340&firstlevelmenuid=187&siteid=1)
- . 2010. *Building Public Support for Floodplain Management*. ASFPM.  
[www.floods.org/ace-files/documentlibrary/Publications/BPS\\_Guidebook\\_2\\_1\\_10.pdf](http://www.floods.org/ace-files/documentlibrary/Publications/BPS_Guidebook_2_1_10.pdf)
- American Planning Association (APA). 2008. *Policy Guide on Planning and Climate Change*. APA.  
[www.planning.org/policy/guides/](http://www.planning.org/policy/guides/)
- Boateng, I. 2008. *Integrating Sea-Level Rise Adaptation into Planning Policies in the Coastal Zone*. Presented at the Federation of International Surveyors Working Week 2008: Integrating Generations.  
[www.fig.net/pub/fig2008/papers/ts03f/ts03f\\_03\\_boateng\\_2722.pdf](http://www.fig.net/pub/fig2008/papers/ts03f/ts03f_03_boateng_2722.pdf)
- Bostrom, A. and D. Lashof. 2007. Weather or Climate Change? In *Creating a Climate for Change: Communicating Climate Change and Facilitating Social Change*. S. Moser and L. Dilling, eds. Cambridge University Press.
- Brekke, L.D., J.E. Kiang, J. R. Olsen, R.S. Pulwarty, D.A. Raff, D.P. Turnipseed, R.S. Webb, and K.D. White. 2009. *Climate Change and Water Resources Management: A Federal Perspective*. Circular 1331. U.S. Geological Survey.  
<http://pubs.usgs.gov/circ/1331/>
- Bullock, J.A., G.D. Haddow, and K.S. Haddow. 2009. *Global Warming, Natural Hazards, and Emergency Management*. CRC Press.
- Burby, R.J. 2005. Have State Comprehensive Planning Mandates Reduced Insured Losses from Natural Disasters? *Natural Hazards Review*. 6, no. 2 (May 2005): 67-81.
- , ed. 1998. *Cooperating with Nature: Confronting Natural Hazards with Land Use Planning for Sustainable Communities*. National Academies Press (Joseph Henry Press).
- Climate Change Science Program (CCSP). 2007. *Scenarios of Greenhouse Gas Emissions and Atmospheric Concentrations*. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. L. Clarke, J. Edmonds, J. Jacoby, H. Pitcher, J. Reilly, R. Richels, and E. Parson. (authors). Synthesis and Assessment Product 2.1. Department of Energy, Office of Biological and Environmental Research.  
[www.globalchange.gov/publications/reports/scientific-assessments/saps](http://www.globalchange.gov/publications/reports/scientific-assessments/saps)
- . 2008a. *Climate Models: An Assessment of Strengths and Limitations. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research*. D.C. Bader, C. Covey, W.J. Gutowski Jr., I.M. Held, K.E. Kunkel, R.L. Miller, R.T. Tokmakian and M.H. Zhang (authors). Synthesis and Assessment Product 3.1. Department of Energy, Office of Biological and Environmental Research.  
[www.globalchange.gov/publications/reports/scientific-assessments/saps](http://www.globalchange.gov/publications/reports/scientific-assessments/saps)
- . 2008b. *Preliminary Review of Adaptation Options for Climate-Sensitive Ecosystems and Resources. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research*. S. H. Julius and J.M. West, eds. Synthesis and Assessment Product 4.4. U.S. Environmental Protection Agency.  
[www.globalchange.gov/publications/reports/scientific-assessments/saps](http://www.globalchange.gov/publications/reports/scientific-assessments/saps)

- . 2008c. *Weather and Climate Extremes in a Changing Climate; Regions of Focus: North America, Hawaii, Caribbean, and U.S. Pacific Islands. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research*. T.R. Karl, G.A. Meehl, C.D. Miller, S.J. Hassol, A.M. Waple, and W.L. Murray, eds. Synthesis and Assessment Product 3.3. National Oceanic and Atmospheric Administration.  
[www.globalchange.gov/publications/reports/scientific-assessments/saps](http://www.globalchange.gov/publications/reports/scientific-assessments/saps)
- . 2009a. *Climate Literacy—The Essential Principles of Climate Science: A Guide for Communities and Individuals*. U.S. Global Change Research Program. [www.globalchange.gov/resources/educators/climate-literacy](http://www.globalchange.gov/resources/educators/climate-literacy)
- . 2009b. *Coastal Sensitivity to Sea-Level Rise: A Focus on the Mid-Atlantic Region. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research*. J.G. Titus, K.E. Anderson, D.R. Cahoon, D.B. Gesch, S.K. Gill, B.T. Gutierrez, E.R. Thieler, and S.J. Williams (authors). Synthesis and Assessment Product 4.1. U.S. Environmental Protection Agency.  
[www.globalchange.gov/publications/reports/scientific-assessments/saps](http://www.globalchange.gov/publications/reports/scientific-assessments/saps)
- Climate Change Work Group. 2008. *The Role of Coastal Zone Management Programs in Adaptation to Climate Change. Second Annual Report of the Coastal States Organization's Climate Change Work Group*. Coastal States Organization.  
[www.coastalstates.org/Publications-News/](http://www.coastalstates.org/Publications-News/)
- Coastal Barrier Resources Act. 1982. 16 U.S.C. § 3501 et seq. [www.fws.gov/habitatconservation/cbra4.html](http://www.fws.gov/habitatconservation/cbra4.html)
- Coastal Zone Management Act (CZMA). 1972. 16 U.S.C. § 1451 et seq.  
[http://coastalmanagement.noaa.gov/czm/czm\\_act.html](http://coastalmanagement.noaa.gov/czm/czm_act.html)
- Conde, C. and K. Lonsdale. 2004. Engaging Stakeholders in the Adaptation Process. In *Adaptation Policy Frameworks (APF) for Climate Change: Developing Strategies, Policies and Measures*. B. Lim and E. Spanger-Siegrfried, eds. Cambridge University Press.  
[http://content.undp.org/go/cms-service/stream/asset/?asset\\_id=2200849](http://content.undp.org/go/cms-service/stream/asset/?asset_id=2200849)
- Cooperative Program for Operational Meteorology, Education and Training (MetEd). 2009. *Climate Change: Fitting the Pieces Together*. Web training. University Corporation for Atmospheric Research.  
[www.meted.ucar.edu/broadcastmet/climate/](http://www.meted.ucar.edu/broadcastmet/climate/)
- Costanza, R., O. Pérez-Maqueo, M.L. Martinez, P. Sutton, S.J. Anderson, and K. Mulder. 2008. The Value of Coastal Wetlands for Hurricane Protection. *AMBIO: A Journal of the Human Environment*. 37, no. 4 (June 2008): 241–48. [www.allenpress.com/pdf/AMBI-37-4-241.pdf](http://www.allenpress.com/pdf/AMBI-37-4-241.pdf)
- Cruce, T.L. 2009. *Adaptation Planning: What U.S. States and Localities Are Doing*. Pew Center on Global Climate Change. [www.pewclimate.org/hottopics/adaptation](http://www.pewclimate.org/hottopics/adaptation)
- Dolan, A.H. and I.J. Walker. 2004. Understanding Vulnerability of Coastal Communities to Climate Change Related Risks. *Journal of Coastal Research*. Special Issue 39 (2004).  
[www.coastalcommunities.ns.ca/documents/dolan.pdf](http://www.coastalcommunities.ns.ca/documents/dolan.pdf)
- Economic Commission for Europe, Convention on the Protection and Use of Transboundary Watercourses and International Lakes (ECE). 2009. *Guidance on Water and Adaptation to Climate Change*. United Nations.  
[www.unece.org/env/documents/2009/Wat/mp\\_wat/ECE\\_MP.WAT\\_30\\_E.pdf](http://www.unece.org/env/documents/2009/Wat/mp_wat/ECE_MP.WAT_30_E.pdf)
- Federal Emergency Management Agency (FEMA). 1991. *Projected Impact of Relative Sea Level Rise on the National Flood Insurance Program*. FEMA.  
[http://epa.gov/climatechange/effects/downloads/flood\\_insurance.pdf](http://epa.gov/climatechange/effects/downloads/flood_insurance.pdf)

- . 1997. *Multi-Hazard Identification and Risk Assessment*. FEMA.  
[www.fema.gov/library/viewRecord.do?id=2214](http://www.fema.gov/library/viewRecord.do?id=2214)
- . 1997. *Report on Costs and Benefits of Natural Hazard Mitigation*. FEMA 294. FEMA.  
[www.fema.gov/library/viewRecord.do?id=1712](http://www.fema.gov/library/viewRecord.do?id=1712)
- . 1998. *Property Acquisition Handbook for Local Communities*. FEMA 317. FEMA.  
[www.fema.gov/government/grant/resources/acqhandbook.shtm](http://www.fema.gov/government/grant/resources/acqhandbook.shtm)
- . 2000. *Rebuilding for a More Sustainable Future: An Operational Framework*. FEMA 365. FEMA.  
[www.fema.gov/library/viewRecord.do?id=1429](http://www.fema.gov/library/viewRecord.do?id=1429)
- . 2001. *Understanding Your Risks: Identifying Hazards and Estimating Losses*. FEMA 386-2. FEMA.  
[www.fema.gov/plan/mitplanning/resources.shtm](http://www.fema.gov/plan/mitplanning/resources.shtm)
- . 2002. *Getting Started: Building Support for Mitigation Planning*. FEMA 386-1. FEMA.  
[www.fema.gov/plan/mitplanning/resources.shtm](http://www.fema.gov/plan/mitplanning/resources.shtm)
- . 2003. *Bringing the Plan to Life: Implementing the Hazard Mitigation Plan*. FEMA 386-4. FEMA.  
[www.fema.gov/plan/mitplanning/resources.shtm](http://www.fema.gov/plan/mitplanning/resources.shtm)
- . 2003. *Developing the Mitigation Plan: Identifying Mitigation Actions and Implementation Strategies*. FEMA 386-3. FEMA. [www.fema.gov/plan/mitplanning/resources.shtm](http://www.fema.gov/plan/mitplanning/resources.shtm)
- . 2006. *Hurricane Katrina in the Gulf Coast: Mitigation Assessment Team Report, Building Performance Observations, Recommendations, and Technical Guidance*. FEMA 549. FEMA. [www.fema.gov/library/viewRecord.do?id=1857](http://www.fema.gov/library/viewRecord.do?id=1857)
- . 2007a. *National Flood Insurance Program Community Rating System Coordinator's Manual*. FIA-15/2007. FEMA.  
<http://training.fema.gov/EMIWeb/CRS/>
- . 2007b. *Selecting Appropriate Mitigation Measures for Floodprone Structures*. FEMA 551. FEMA.  
[www.fema.gov/library/viewRecord.do?id=2737](http://www.fema.gov/library/viewRecord.do?id=2737)
- . 2007c. *Using Benefit-Cost Review in Mitigation Planning*. FEMA 386-5. FEMA.  
[www.fema.gov/plan/mitplanning/resources.shtm](http://www.fema.gov/plan/mitplanning/resources.shtm)
- . 2008. *Using the Hazard Mitigation Plan to Prepare Successful Mitigation Projects*. FEMA 386-9. FEMA.  
[www.fema.gov/plan/mitplanning/resources.shtm](http://www.fema.gov/plan/mitplanning/resources.shtm)
- . 2009a. *Hazard Mitigation Assistance Unified Guidance*. FEMA. [www.fema.gov/government/grant/hma/](http://www.fema.gov/government/grant/hma/)
- . 2009b. *Homeowner's Guide to Retrofitting: Six Ways to Protect Your Home From Flooding*. FEMA P-312. FEMA.  
[www.fema.gov/library/viewRecord.do?id=1420](http://www.fema.gov/library/viewRecord.do?id=1420)
- . 2009c. *Hurricane Ike in Texas and Louisiana: Mitigation Assessment Team Report, Building Performance Observations, Recommendations, and Technical Guidance*. FEMA 757. FEMA.  
[www.fema.gov/library/viewRecord.do?id=3577](http://www.fema.gov/library/viewRecord.do?id=3577)
- Feenstra, J.F, I. Burton, J.B., Smith, and R.S.J. Tol, eds. 1998. *Handbook on Methods for Climate Change Impact Assessment and Adaptation Strategies*. Version 2.0. United Nations Environment Programme.  
<http://dare.ubvu.vu.nl/bitstream/1871/10440/1/f1.pdf>
- General Services Administration (GSA). n.d. *Catalog of Federal Domestic Assistance*. Web site. GSA.  
<https://www.cfda.gov/>

- Godschalk, D.R., R. Norton, C. Richardson, and D. Salvesen. 2000. Avoiding Coastal Hazard Areas: Best State Mitigation Practices. *Environmental Geosciences*. 7, no. 1 (2000): 13-22.
- Gurley, K. 2006. *Post 2004 Hurricane Field Survey: An Evaluation of the Relative Performance of the Standard Building Code and the Florida Building Code*. Florida Department of Community Affairs.  
[www.dca.state.fl.us/fbc/commission/FBC\\_0606/Report\\_SurveyProject\\_Gurley\\_33006.pdf](http://www.dca.state.fl.us/fbc/commission/FBC_0606/Report_SurveyProject_Gurley_33006.pdf)
- H. John Heinz III Center for Science, Economics, and the Environment (Heinz Center). 1999. *The Hidden Costs of Coastal Hazards: Implications for Risk Assessment and Mitigation*. Island Press.
- . 2008. *Strategies for Managing the Effects of Climate Change on Wildlife and Ecosystems*. Heinz Center.  
[www.heinzctr.org/publications/](http://www.heinzctr.org/publications/)
- Hassan, R., R. Scholes, and N. Ash, eds. 2005. *Ecosystems and Human Well-Being: Current State and Trends*, Volume 1. Millennium Ecosystem Assessment Series. Island Press.  
[www.millenniumassessment.org/en/Global.aspx](http://www.millenniumassessment.org/en/Global.aspx)
- Hazard Mitigation Technical Assistance Partnership, Inc. and French & Associates, Ltd. 2000. *Evaluation of CRS Credited Activities During Hurricane Floyd*. Federal Emergency Management Agency.  
[www.ncfloodmaps.com/pubdocs/pfloydrrpt.pdf](http://www.ncfloodmaps.com/pubdocs/pfloydrrpt.pdf)
- Higgins, M. 2008. Legal and Policy Impacts of Sea Level Rise to Beaches and Coastal Property. *Sea Grant Law and Policy Journal*. 1, no. 1 (2008): 43-64. <http://nsglc.olemiss.edu/SGLPJ/SGLPJarchive.htm>
- ICLEI—Local Governments for Sustainability. 2009. *ICLEI Resource Guide: Outreach and Communications*. ICLEI.  
[www.iclei.org/action-center/engaging-your-community/](http://www.iclei.org/action-center/engaging-your-community/)
- Institute for Business and Home Safety (IBHS). 2005. *The Benefits of Statewide Building Codes*. IBHS.  
[www.ibhs.org/building\\_codes/downloads/20051110\\_153713\\_20651.pdf](http://www.ibhs.org/building_codes/downloads/20051110_153713_20651.pdf)
- . 2007. *Hurricane Charley: The Benefits of Modern Wind Resistant Building Codes on Hurricane Claim Frequency and Severity*. IBHS. [www.disastersafety.org/text.asp?id=hurricane\\_charley](http://www.disastersafety.org/text.asp?id=hurricane_charley)
- . 2009. *Hurricane Ike: Nature's Force vs. Structural Strength*. IBHS.  
<http://disastersafety.org/text.asp?id=fortified>
- Interagency Workgroup on Wetland Restoration. 2003. *An Introduction and User's Guide to Wetland Restoration, Creation, and Enhancement*. National Oceanic and Atmospheric Administration, National Marine Fisheries Service and U.S. Environmental Protection Agency, Office of Wetlands, Oceans, and Watersheds.  
[www.lsu.edu/slegal/pdfs/WetlandsUsersGuide.pdf](http://www.lsu.edu/slegal/pdfs/WetlandsUsersGuide.pdf)
- Intergovernmental Panel on Climate Change (IPCC). 2000. *Special Report on Emissions Scenarios*. N. Nakicenovic and R. Swart, eds. Cambridge University Press.  
[www.ipcc.ch/publications\\_and\\_data/publications\\_and\\_data\\_reports.htm](http://www.ipcc.ch/publications_and_data/publications_and_data_reports.htm)
- . 2007a. *Climate Change 2007: Impacts, Adaptation and Vulnerability*. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden, and C.E. Hanson, eds. Cambridge University Press. [www.ipcc.ch](http://www.ipcc.ch)
- . 2007b. *Climate Change 2007: The Physical Science Basis*. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor, and H.L. Miller, eds. Cambridge University Press.  
[www.ipcc.ch/](http://www.ipcc.ch/)

- . 2007c. *Climate Change 2007: Synthesis Report*. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. R.K. Pachauri and A. Reisinger, eds. IPCC. [www.ipcc.ch/](http://www.ipcc.ch/)
- J. Fraser, R. Elmore, D. Godschalk, and W. Rohe. 2003. *Implementing Floodplain Land Acquisition Programs in Urban Localities*. University of North Carolina at Chapel Hill, Center for Urban and Regional Studies. <http://people.vanderbilt.edu/~james.c.fraser/publications/Floddplain%20Project%20Report.Final.pdf>
- Jacob, J.S. and S. Showalter. 2007a. *The Resilient Coast: Policy Frameworks for Adapting the Built Environment to Climate Change and Growth in Coastal Areas of the U.S. Gulf of Mexico*. Texas Sea Grant College Program. [www.urban-nature.org/publications/publications.htm](http://www.urban-nature.org/publications/publications.htm)
- . 2007b. *The Resilient Coast: Policy Frameworks for Adapting Coastal Wetlands to Climate Change and Growth in Coastal Areas of the U.S. Gulf of Mexico*. Texas Sea Grant College Program. [www.urban-nature.org/publications/publications.htm](http://www.urban-nature.org/publications/publications.htm)
- Jones, C.P., W.L. Coulbourne, J. Marshall, and S.M. Rogers, Jr. 2006. *Evaluation of the National Flood Insurance Program's Building Standards*. American Institutes for Research. [www.fema.gov/library/viewRecord.do?id=2592](http://www.fema.gov/library/viewRecord.do?id=2592)
- Karl, T.R., J.M. Melillo, and T.C. Peterson, eds. 2009. *Global Climate Change Impacts in the United States. A State of Knowledge Report from the U.S. Global Change Research Program*. Cambridge University Press. [www.globalchange.gov/publications/reports/scientific-assessments/us-impacts](http://www.globalchange.gov/publications/reports/scientific-assessments/us-impacts)
- Knogge, T., M. Schirmer, and B. Schuchardt. 2004. Landscape-Scale Socio-Economics of Sea Level Rise. *Ibis*. 146, suppl. 1 (2004): 11–17.
- Mahmouda, M., Y. Liu, H. Hartmann, S. Stewart, T. Wagener, D. Semmens, R. Stewart, et al. 2009. A Formal Framework for Scenario Development in Support of Environmental Decision-Making. *Environmental Modeling and Software*. 24 (2009): 798–808.
- Marine Law Institute of the University of Maine School of Law, the Maine Geological Survey, and the Maine State Planning Office. 1995. *Anticipatory Planning for Sea-Level Rise along the Coast of Maine*. EPA-230-R-95-900. U.S. Environmental Protection Agency, Office of Policy, Planning, and Evaluation. <http://epa.gov/climatechange/effects/coastal/SLRAnticipatory.html>
- Mileti, D. 1999. *Second National Assessment on Natural and Related Technological Hazards*. National Academies Press (Joseph Henry Press).
- Moser, S.C. 2009. *Good Morning America! The Explosive U.S. Awakening to the Need for Adaptation*. National Oceanic and Atmospheric Administration, Coastal Services Center. [www.csc.noaa.gov/publications.html](http://www.csc.noaa.gov/publications.html)
- Moser, S. and L. Dilling, eds. 2007. *Creating a Climate for Change: Communicating Climate Change and Facilitating Social Change*. Cambridge University Press.
- Multihazard Mitigation Council. 2005. *Natural Hazard Mitigation Saves*. National Institute of Building Sciences. [www.nibs.org/index.php/mmc/projects/nhms/](http://www.nibs.org/index.php/mmc/projects/nhms/)
- National Assessment Synthesis Team. 2000a. *Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change*. U.S. Global Change Research Program. [www.globalchange.gov/publications/reports/scientific-assessments/first-national-assessment](http://www.globalchange.gov/publications/reports/scientific-assessments/first-national-assessment)
- . 2000b. *U.S. National Assessment of the Potential Consequences of Climate Variability and Change Scenarios and Data*. U.S. Global Change Research Program. [www.usgcrp.gov/usgcrp/nacc/background/scenarios/](http://www.usgcrp.gov/usgcrp/nacc/background/scenarios/)

- National Ocean Economics Program (NOEP). 2009a. *Ocean and Coastal Economies*. Web site. NOEP. [www.oceaneconomics.org/Market/](http://www.oceaneconomics.org/Market/)
- . 2009b. *State of the U.S. Ocean and Coastal Economies*. NOEP. [www.oceaneconomics.org/NationalReport/](http://www.oceaneconomics.org/NationalReport/)
- National Oceanic and Atmospheric Administration (NOAA). 2007a. *Introduction to Stakeholder Participation*. NOAA Coastal Services Center. [www.csc.noaa.gov/stakeholder/](http://www.csc.noaa.gov/stakeholder/)
- . 2007b. *National Artificial Reef Plan (as Amended): Guidelines for Siting, Construction, Development, and Assessment of Artificial Reefs*. NOAA. [www.nmfs.noaa.gov/sfa/PartnershipsCommunications/NARPwCover3.pdf](http://www.nmfs.noaa.gov/sfa/PartnershipsCommunications/NARPwCover3.pdf)
- . 2008. *National Oceanic and Atmospheric Administration Strategic Plan FY 2009-2014*. NOAA Office of Program Planning and Integration. [www.ppi.noaa.gov/PPI\\_Capabilities/Documents/Strategic\\_Plans/FY09-14\\_NOAA\\_Strategic\\_Plan.pdf](http://www.ppi.noaa.gov/PPI_Capabilities/Documents/Strategic_Plans/FY09-14_NOAA_Strategic_Plan.pdf)
- . 2009a. *Coastal Inundation Mapping Guidebook*. NOAA Coastal Services Center. [www.csc.noaa.gov/digitalcoast/inundation/\\_pdf/guidebook.pdf](http://www.csc.noaa.gov/digitalcoast/inundation/_pdf/guidebook.pdf)
- . 2009b. *Local Strategies for Addressing Climate Change*. NOAA Coastal Services Center. [www.csc.noaa.gov/publications.html](http://www.csc.noaa.gov/publications.html)
- . 2010a. *Billion Dollar U.S. Weather Disasters, 1980-2009*. NOAA National Climatic Data Center. [www.ncdc.noaa.gov/oa/reports/billionz.html](http://www.ncdc.noaa.gov/oa/reports/billionz.html)
- . 2010b. *State of the Climate-Global Analysis: January 2010*. NOAA National Climatic Data Center. [www.ncdc.noaa.gov/sotc/](http://www.ncdc.noaa.gov/sotc/)
- . n.d. *Arctic Change: A Near-Realtime Arctic Change Indicator Website*. Web site. NOAA Arctic Research Office. [www.arctic.noaa.gov/detect/land-permafrost.shtml](http://www.arctic.noaa.gov/detect/land-permafrost.shtml)
- . n.d. *Fisheries Economics of the U.S., 2008*. NOAA National Marine Fisheries Service, Office of Science and Technology. [www.st.nmfs.noaa.gov/st5/publication/](http://www.st.nmfs.noaa.gov/st5/publication/)
- . n.d. *Shoreline Management: Alternatives to Hardening the Shore*. NOAA Office of Ocean and Coastal Resource Management. <http://coastalmanagement.noaa.gov/shoreline.html>
- , U.S. Environmental Protection Agency, International City County Management Association, Rhode Island Sea Grant. 2009. *Smart Growth for Coastal and Waterfront Communities*. National Oceanic and Atmospheric Administration. <http://coastalsmartgrowth.noaa.gov/>
- National Research Council (NRC), Committee on Beach Nourishment and Protection. 1995. *Beach Nourishment and Protection*. National Academies Press. [www.nap.edu/catalog.php?record\\_id=4984](http://www.nap.edu/catalog.php?record_id=4984)
- , Committee on Coastal Erosion Zone Management. 1990. *Managing Coastal Erosion*. National Academies Press. [http://books.nap.edu/catalog.php?record\\_id=1446](http://books.nap.edu/catalog.php?record_id=1446)
- , Committee on Mitigating Shore Erosion along Sheltered Coasts. 2007. *Mitigating Shore Erosion along Sheltered Coasts*. National Academies Press. [http://books.nap.edu/catalog.php?record\\_id=11764](http://books.nap.edu/catalog.php?record_id=11764)
- Nichols, S.S. and C. Bruch. 2008. New Framework for Managing Dynamic Coasts: Legal and Policy Tools for Adapting U.S. Coastal Zone Management to Climate Change. *Sea Grant Law and Policy Journal*. 1, no. 1 (2008): 19-42. <http://nsglc.olemiss.edu/SGLPJ/SGLPJarchive.htm>
- Perkins B., D. Ojima, D., and R. Corell. 2007. *A Survey of Climate Change Adaptation Planning*. H. John Heinz III Center for Science, Economics, and the Environment. [www.heinzctr.org/publications/meeting\\_reports.shtml](http://www.heinzctr.org/publications/meeting_reports.shtml)

- Pew Center on Global Climate Change and the Pew Center on the States (Pew Center). 2009. *Climate Change 101: Adaptation*. Pew Center. [www.pewclimate.org/global-warming-basics/climate\\_change\\_101](http://www.pewclimate.org/global-warming-basics/climate_change_101)
- Rubinoff, P., N.D. Vinhateiro, and C. Piecuch. 2008. *Summary of Coastal Program Initiatives that Address Sea Level Rise as a Result of Global Climate Change*. Rhode Island Sea Grant. [www.seagrant.noaa.gov/focus/documents/hrcc/slr\\_policies\\_summary\\_mar6\\_final.pdf](http://www.seagrant.noaa.gov/focus/documents/hrcc/slr_policies_summary_mar6_final.pdf)
- Ruth, M., D. Coelho, and D. Karetnikov. 2007. *The U.S. Economic Impacts of Climate Change and the Costs of Inaction*. University of Maryland, Center for Integrative Environmental Research. [www.cier.umd.edu/climateadaptation/](http://www.cier.umd.edu/climateadaptation/)
- Schiermeier, Q. 2010. The Real Holes in Climate Science. *Nature*. 463 (Jan. 21, 2010): 284-87. [www.nature.com/news/2010/100120/full/463284a.html](http://www.nature.com/news/2010/100120/full/463284a.html)
- Schwab, J., K.C. Topping, C.C. Eadie, R.E. Deyle, and R.A. Smith. 1998. Planning for Post-Disaster Recovery and Reconstruction. Planning Advisory Service Report Number 483/484. *American Planning Association*. [www.fema.gov/library/viewRecord.do?id=1558](http://www.fema.gov/library/viewRecord.do?id=1558)
- Secretariat of the Convention on Biological Diversity. 2009. *Connecting Biodiversity and Climate Change Mitigation and Adaptation: Report of the Second Ad Hoc Technical Expert Group on Biodiversity and Climate Change*. Technical Series No. 41. Convention on Biological Diversity. <https://www.cbd.int/doc/publications/cbd-ts-41-en.pdf>
- Snover, A.K., L. W. Binder, J. Lopez, and E. Willmott. 2007. *Preparing for Climate Change: A Guidebook for Local, Regional, and State Governments*. ICLEI—Local Governments for Sustainability. [www.icleiusa.org/action-center/planning/adaptation-guidebook](http://www.icleiusa.org/action-center/planning/adaptation-guidebook)
- Solomon, S., G. Plattner, R. Knutti, and P. Friedlingstein. 2009. Irreversible Climate Change Due to Carbon Dioxide Emissions. *Proceedings of the National Academy of Sciences*. 106, no. 6 (Feb. 10, 2009): 1704-09. [www.pnas.org/content/early/2009/01/28/0812721106.short](http://www.pnas.org/content/early/2009/01/28/0812721106.short)
- Titus, J.G. 1998. Rising Seas, Coastal Erosion, and the Takings Clause: How to Save Wetlands and Beaches without Hurting Property Owners. *Maryland Law Review*. 57, no. 4 (1998): 1279-399. <http://epa.gov/climatechange/effects/coastal/SLRTakings.html>
- , D.E. Hudgens, D.L. Trescott, M. Craghan, W.H. Nuckols, C.H. Hershner, and J. M. Kassakian. 2009. State and Local Governments Plan for Development of Most Land Vulnerable to Rising Sea Level along the U.S. Atlantic Coast. *Environmental Research Letters*. 4, no. 4 (2009). <http://risingsea.net/ERL/>
- U.S. Agency for International Development (USAID). 2009. *Adapting to Coastal Climate Change: A Guidebook for Development Planners*. USAID. [www.crc.uri.edu/index.php?actid=366](http://www.crc.uri.edu/index.php?actid=366)
- U.S. Army Corps of Engineers (USACE). 2007. *Shore Protection Assessment: Beach Nourishment—How Beach Nourishment Projects Work*. USACE Coastal and Hydraulics Laboratory. <http://chl.erdc.usace.army.mil/pub-beachnourishment>
- . 2010. *Water Resource Policies and Authorities Incorporating Sea-Level Change Considerations in Civil Works Programs*. EC 1165-2-211. USACE Civil Works. <http://140.194.76.129/publications/eng-circulars/>
- U.S. Environmental Protection Agency (EPA). 2008. *Effects of Climate Change for Aquatic Invasive Species and Implications for Management and Research*. EPA/600/R-08/014. EPA National Center for Environmental Assessment. <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=188305>

- . 2009a. *Synthesis of Adaptation Options for Coastal Areas*. EPA 430-F-08-024. EPA Climate Ready Estuaries Program. [www.epa.gov/cre/adaptationoptions.html](http://www.epa.gov/cre/adaptationoptions.html)
- . 2009b. *Water Quality Scorecard: Incorporating Green Infrastructure Practices at the Municipal, Neighborhood, and Site Scale*. EPA 231B09001. EPA Development, Community and Environment Division and Office of Wetlands, Oceans, and Watersheds. [www.epa.gov/smartgrowth/water\\_scorecard.htm](http://www.epa.gov/smartgrowth/water_scorecard.htm)
- . 2010. *Climate Change Indicators in the United States*. EPA 430-R-10-007. EPA Climate Change Division. [www.epa.gov/climatechange/indicators.html](http://www.epa.gov/climatechange/indicators.html)
- UK Climate Impacts Programme. 2007. *Identifying Adaptation Options*. UK Climate Impacts Programme. [www.ukcip.org.uk/index.php?option=com\\_content&task=view&id=23&Itemid=127](http://www.ukcip.org.uk/index.php?option=com_content&task=view&id=23&Itemid=127)
- Vogel, C., S.C. Moser, R.E. Kasperson, and G.D. Dabelko. 2007. Linking Vulnerability, Adaptation, and Resilience Science to Practice: Pathways, Players, and Partnerships. *Global Environmental Change*. 17, no. 3-4 (2007): 349-64.
- Young, M. 2009. *Analyzing the Effects of the My Safe Florida Home Program on Florida Insurance Risk*. Risk Management Solutions. [www.rms.com/Publications/RMS\\_MSFH\\_Report\\_May\\_2009.pdf](http://www.rms.com/Publications/RMS_MSFH_Report_May_2009.pdf)



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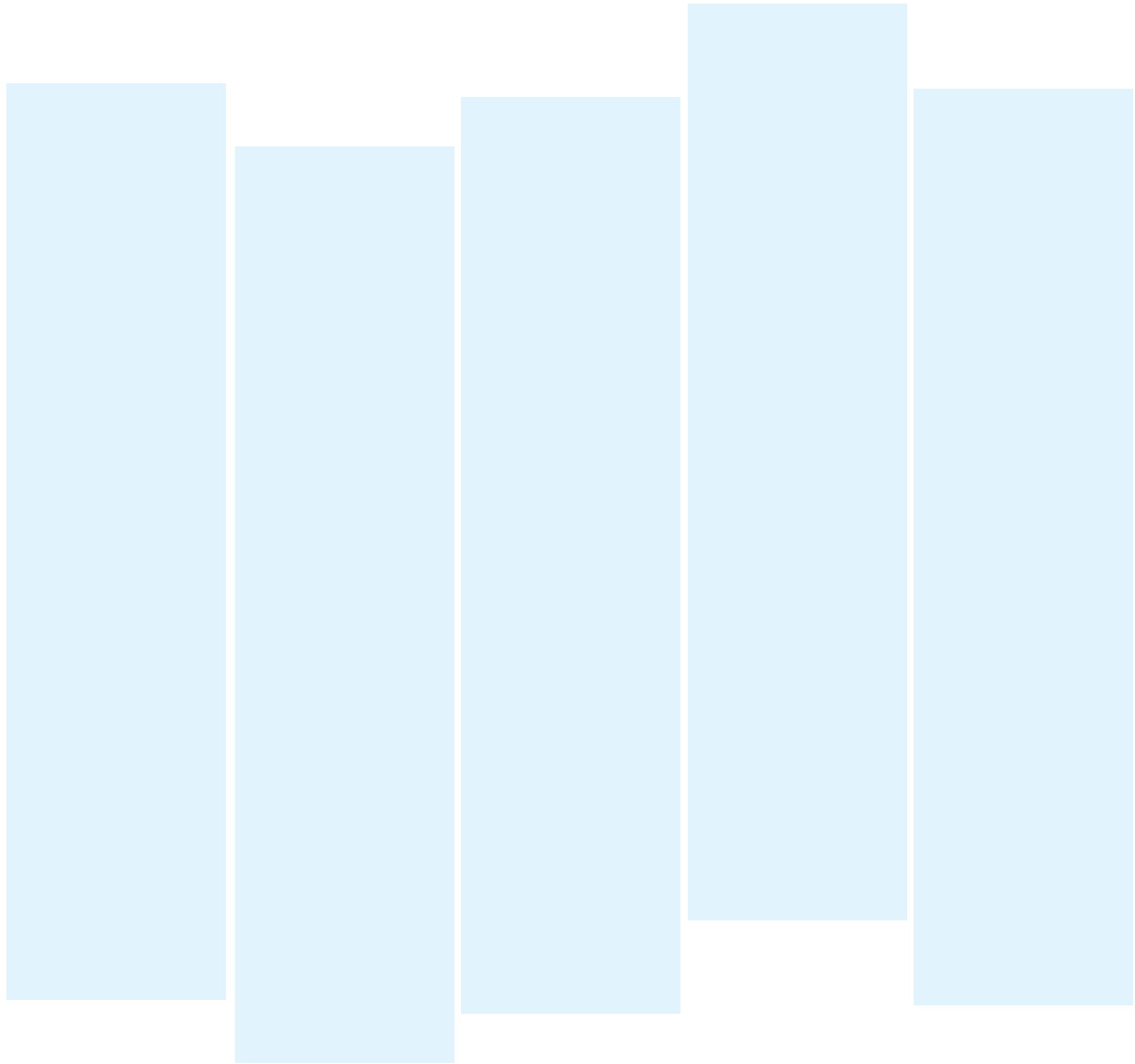
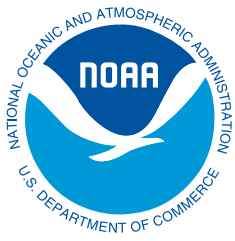
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**National Ocean Service**  
**Office of Ocean and Coastal Resource Management**  
1305 East West Highway  
Silver Spring, MD 20910  
(301) 713-3155