

National Wildlife Federation

Bibliography of Climate Adaptation-Related Publications



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The National Wildlife Federation has a long-standing commitment to addressing the impacts of climate change on wildlife and natural habitats, and advancing the science and practice of climate adaptation. The following is a comprehensive list of climate adaptation-related publications that have been authored or co-authored by NWF staff.

2016

Small-Lorenz, S.L., B. A. Stein, K. Schrass, D.N. Holstein, and A.V. Mehta. 2016. *Natural Defenses in Action: Harnessing Nature to Protect Our Communities*. Washington, DC: National Wildlife Federation.

2015

Beever, E. A., O’Leary, J., Mengelt, C., West, J. M., Julius, S., Green, N., Magness, D., Petes, L., Stein, B., Nicotra, A. B., Hellmann, J. J., Robertson, A. L., Staudinger, M. D., Rosenberg, A. A., Babij, E., Brennan, J., Schuurman, G. W., and Hofmann, G. E. 2015. Improving conservation outcomes with a new paradigm for understanding species’ fundamental and realized adaptive capacity. *Conservation Letters* DOI:10.1111/conl.12190.

Glick, P., S. R. Palmer, and J. P. Wisby. 2015. *Climate Change Vulnerability Assessment for Tennessee Wildlife and Habitats*. Report prepared by the National Wildlife Federation and The Nature Conservancy-Tennessee Chapter for the Tennessee Wildlife Resources Agency, Nashville, TN.

Inkley, D., T. Losoff, J. Rowland, D. Ellenberger, P. Glick, J. Murphy, M. Murray, J. Ritter, F. Szollosi, and M. Yancey. 2015. *Wildlife in Hot Water: America’s Waterways and Climate Change*. National Wildlife Federation, Washington, D.C.

Inkley, D., J. Rowland, T. Losoff, J. Murphy and S. Lockhart. 2015. *Game Changers: Climate Impacts to American’s Hunting, Fishing, and Wildlife Heritage*. Washington DC: National Wildlife Federation.

2014

Glick, P., J. Kostyack, J. Pittman, T. Briceno, and N. Wahlund. 2014. *Natural Defenses from Hurricanes and Floods: Protecting America’s Communities and Ecosystems in an Era of Extreme Weather*. Washington DC: National Wildlife Federation.

Inkley, D. and T. Losoff. 2014. *Ticked Off: America’s Outdoor Experience and Climate Change*. Washington, DC: National Wildlife Federation.

- Koslow, M., J. Berrio, P. Glick, J. Hoffman, D. Inkley, A. Kane, M. Murray and K. Reeve. 2014. *Restoring the Great Lakes' Coastal Future: Technical Guidance for the Design and Implementation of Climate-Smart Restoration Project with Seven Case Studies*. 2014. Reston, VA and Silver Spring, MD: National Wildlife Federation and National Oceanic and Atmospheric Administration.
- Mote, P., A.K. Snover, S. Capalbo, S.D. Eigenbrode, P. Glick, J. Littell, R. Raymondi, and S. Reeder. 2014. Chapter 21: Northwest. In: J.M. Melillo, T.C. Richmond, and G.W. Yohe, (eds.) *Climate Change Impacts in the United States: The Third National Climate Assessment*. U.S. Global Change Research Program: 487-513.
- Stein, B.A., P. Glick, N. Edelson, and A. Staudt (eds.). 2014. *Climate-Smart Conservation: Putting Adaptation Principles into Practice*. Washington, DC: National Wildlife Federation.
- Reeve, K. E. and R Kingston. 2014. *Green Works for Climate Resilience: A Guide to Community Planning for Climate Change*. Washington, DC: National Wildlife Federation.

2013

- Glick, P., J. Clough, A. Polaczyk, B. Couvillion, and B. Nunley. 2013. Potential effects of sea-level rise on coastal wetlands in southeastern Louisiana. *Journal of Coastal Research* 63: 211-233.
- Glick, P., L. Helbrecht, J. Lawler, and M. Case. 2013. *Safeguarding Washington's Fish and Wildlife in an Era of Climate Change: A Case Study of Partnerships in Action*. Seattle, WA: National Wildlife Federation.
- Grimm, N. B., M. D. Staudinger, A. Staudt, S. L. Carter, F. S. Chapin III, P. Kareiva, M. Ruckelshaus, and B. A. Stein. 2013. Climate-change impacts on ecological systems: introduction to a U.S. assessment. *Frontiers in Ecology and the Environment* 11: 456-464.
- Hilke, C. 2013. *Mainstreaming Climate Adaptation in the Northeastern U.S.: Integrating Climate-Smart Considerations into Policy and Regulatory Frameworks*. Plymouth, MA: Manomet Center for Conservation Sciences.
- Hilke, C. and H. Galbraith. 2013. *Assessing the Vulnerability of key Habitats in New York: A Foundation for Climate Adaptation Planning*. Montpelier, VT: National Wildlife Federation.
- Inkley, D. 2013. New Report Addresses Climate Change and Freshwater Fish. *Fisheries* 38: 518.
- Inkley, D., M. Price, P. Glick, T. Losoff and B. Stein. 2013. *Nowhere to Run: Big Game Wildlife in a Warming World*. Washington, DC: National Wildlife Federation.
- Inkley, D., A. Rubenstein, A. Staudt, K. Mackey and B. A. Stein. 2013. *Shifting Skies: Migratory Birds in a Warming World*. Reston, VA: National Wildlife Federation.
- Kane, A. 2013. *Managing Coastal Watersheds to Address Climate Change: Vulnerability Assessment and Adaptation Options for the Middle Patuxent Subwatershed of the Chesapeake Bay*. Annapolis, MD and Silver Spring, MD: National Wildlife Federation and National Oceanic and Atmospheric Administration.

- Kane, A., T. C. Burkett, S. Kloper and J. Sewall. 2013. *Virginia's Climate Modeling and Species Vulnerability Assessment: How Climate Data Can Inform Management and Conservation*. Reston, VA: National Wildlife Federation.
- Koslow, M., E. Lillard and V. Benka. 2013. *Taken by Storm: How Heavy Rain is Worsening Algal Blooms in Lake Erie*. Ann Arbor, MI: National Wildlife Federation.
- Manomet Center for Conservation Sciences and National Wildlife Federation. 2013. *The Vulnerabilities of Fish and Wildlife Habitats in the Northeast to Climate Change*. A report to the Northeastern Association of Fish and Wildlife Agencies and the North Atlantic Landscape Conservation Cooperative. Manomet, MA: Manomet Center for Conservation Sciences.
- Manomet Center for Conservation Sciences and the National Wildlife Federation. 2013. *Climate Change and Riverine Cold Water Fish Habitat in the Northeast: A Vulnerability Assessment Review*. A report to the Northeastern Association of Fish and Wildlife Agencies and the North Atlantic Landscape Conservation Cooperative. Plymouth, MA: Manomet Center for Conservation Sciences.
- Staudinger, M. D., S. L. Carter, M. S. Cross, N. S. Dubois, J. E. Duffy, C. Enquist, R. Griffis, J. J. Hellmann, J. L. Lawler, J. O'Leary, S. A. Morrison, L. Sneddon, B. A. Stein, L. M. Thompson, and W. Turner. 2013. Biodiversity in a changing climate: a synthesis of current and projected trends. *Frontiers in Ecology and the Environment* 11: 465-473.
- Staudt, A., D. Inkley, A. Rubenstein, E. Walton and J. Williams. 2013. *Swimming Upstream: Freshwater Fish in a Warming World*. Reston, VA: National Wildlife Federation.
- Staudt, A., C. Shott, D. Inkley, and I. Ricker. 2013. *Wildlife in Warming World: Confronting the Climate Crisis*. Reston, VA: National Wildlife Federation.
- Stein, B.A., A. Staudt, M.S. Cross, N.S. Dubois, C. Enquist, R. Griffis, L.J. Hansen, J.J. Hellmann, J.J. Lawler, E.J. Nelson, and A. Pairis. 2013. Preparing for and managing change: climate adaptation for biodiversity and ecosystems. *Frontiers in Ecology and the Environment* 11: 502-510.
- Stein, B. A. and M. R. Shaw. 2013. Biodiversity conservation for a climate-altered future. In S. Moser and M. Boykoff (eds.) *Successful Adaptation: Linking Science and Practice in Managing Climate Change Impacts*, pp. 50-66. New York: Rutledge Press.
- Stein, B. A., P. Glick, N. Edelson, and A. Staudt. 2013. *Quick Guide to Climate-Smart Conservation*. Washington DC: National Wildlife Federation.

2012

- Inkley, D. B. 2012. *Climate-Smart Restoration for the Black River in Lorain County, Ohio*. Reston, VA: National Wildlife Federation.
- Stein, B. A. and A. Staudt (eds.). 2012. Adaptation to impacts of climate change on biodiversity, ecosystems, and ecosystem services. In: M. Staudinger, N. Grimm, A. Staudt, S. Carter, F. S. Chapin III, P. Kareiva, M. Ruckelshaus, B. A. Stein. *Impacts of Climate Change on Biodiversity, Ecosystems, and Ecosystem Services: Technical Input to the 2013 National Climate Assessment*. Cooperative report to the 2013 National Climate Assessment.

Tillmann, P. and D. Siemann. 2012. *Advancing Landscape-Scale Conservation: An Assessment of Climate Change-Related Challenges, Needs, and Opportunities for the North Pacific Landscape Conservation Cooperative*. Seattle, WA: National Wildlife Federation.

2011

Glick, P., H. Chmura, and B. A. Stein. 2011. *Moving the Conservation Goalposts*. Washington, DC: National Wildlife Federation.

Glick, P., B. A. Stein, and N. A. Edelson (eds.). 2011. *Scanning the Conservation Horizon: A Guide to Climate Change Vulnerability Assessment*. Washington, DC: National Wildlife Federation.

Glick, P., J. Hoffman, M. Koslow, A. Kane, and D. Inkley. 2011. *Restoring the Great Lakes' Coastal Future: Technical Guidance for the Design and Implementation of Climate-Smart Restoration Projects*. Reston, VA: National Wildlife Federation.

Kane, A. 2011. *Practical Guidance for Coastal Climate-Smart Conservation Projects in the Northeast: Case Examples for Coastal Impoundments and Living Shorelines*. Annapolis, MD: National Wildlife Federation.

Kostyack, J., J. J. Lawler, D. D. Goble, J. D. Olden, and M. Scott. 2011. Beyond reserves and corridors: Policy solutions to facilitate the movement of plants and animals in a changing climate. *BioScience* 61: 713-719.

Tillmann, P. and D. Siemann. 2011. *Climate Change Effects and Adaptation Approaches in Freshwater Aquatic and Riparian Ecosystems in the North Pacific Landscape Conservation Cooperative Region: A Compilation of Scientific Literature*. Seattle, WA: National Wildlife Federation.

Tillmann, P. and D. Siemann. 2011. *Climate Change Effects and Adaptation Approaches in Marine and Coastal Ecosystems of the North Pacific Landscape Conservation Cooperative Region: A Compilation of Scientific Literature*. Seattle, WA: National Wildlife Federation.

Washington Department of Fish and Wildlife and National Wildlife Federation. 2011. *Summary of Climate Change Effects on Major Habitat Types in Washington State: Freshwater Aquatic and Riparian Habitats*. Olympia, WA: Washington Department of Fish and Wildlife.

2010

Glick, P., J. Clough and B. Nunley. 2010. *Assessing the Vulnerability of Alaska's Coastal Habitats to Accelerating Sea-level Rise Using the SLAMM Model: A Case Study for Cook Inlet*. Seattle, WA: National Wildlife Federation.

Hinderer, J., C. Haven and M. Koslow. 2010. *Climate Change in the Great Lakes: Advancing the Regional Discussion*. Ann Arbor, MI: Council of Great Lakes Industries, Great Lakes Commission, and National Wildlife Federation.

Inkley, D., B. Stein and P. Glick. 2010. *They Came from Climate Change*. Washington, DC: National Wildlife Federation.

Staudt, A., P. Glick and D. Inkley. 2010. *Odd-ball Winter Weather: Global Warming's Wake-Up Call for the Northern United States*. Reston, VA: National Wildlife Federation.

Staudt, A. P. Glick, D. Mizejewski, D. Inkley. 2010. *Extreme Allergies and Global Warming*. Reston, VA: National Wildlife Federation.

2009

Diop, A., E. Palola, A. Staudt and B. A. Stein. 2009. *Standing Tall: How Restoring Longleaf Pine Can Help Prepare the Southeast for Global Warming*. Washington, DC: National Wildlife Federation.

Glick, P. and L. Moore. 2009. *Setting the Stage: Ideas for Safeguarding Washington's Fish and Wildlife in an Era of Climate Change*. Seattle, WA: National Wildlife Federation.

Glick, P., A. Staudt, and B. Stein. 2009. *A New Era for Conservation: Review of Climate Change Adaptation Literature*. Washington, DC: National Wildlife Federation.

Inkley, D., A. Staudt and M. D. Duda. 2009. Imagining the future: humans, wildlife, and global climate change. In: M.J. Manfredo, et al. (eds.) *Wildlife and Society: The Science of Human Dimensions*. Washington, DC: Island Press.

Virginia Department of Game and Inland Fisheries, National Wildlife Federation, and Virginia Conservation Network. 2009. *Virginia's Strategy for Safeguarding Species of Greatest Conservation Need from the Effects of Climate Change*. Richmond, VA: Virginia Dept. of Game and Inland Fisheries.

2008

Glick, P. (ed.). 2008. *Preparing for Sea Change in Florida: A Strategy to Cope with the Impacts of Global Warming on the State's Coastal and Marine Systems*. Florida Coastal and Ocean Coalition.

Inkley, D. 2008. *Helping Wildlife Survive Global Warming*. Reston, VA: National Wildlife Federation.

Inkley, D. 2008. *Investing in America's Natural Resources: The Urgent Need for Climate Change Legislation*. Washington, DC: National Wildlife Federation.

Inkley, D. and M. Hutchins. 2008. Leadership Letter: If Not Us, Who? If Not Now, When? *The Wildlife Professional* 2(3):9.

Staudt, A., B. Stein, P. Glick, D. Inkley and S. Malloch. 2008. *More Variable and Uncertain Water Supply: Global Warming's Wake-Up Call for the Southeast United States*. Reston, VA: National Wildlife Federation.

2007

Glick, P. 2007. *The Gardener's Guide to Global Warming: Challenges and Solutions*. Reston, VA: National Wildlife Federation.

Glick, P., J. Clough, B. Nunley. 2007. *Sea-level Rise and Coastal Habitats in the Pacific Northwest*. Reston, VA: National Wildlife Federation.

Glick, P., A. Staudt, and D. Inkley. 2007. *The Chesapeake Bay and Global Warming: A Paradise Lost for Hunters, Anglers, and Outdoor Enthusiasts?* Reston, VA: National Wildlife Federation.

2006

Glick, P. and J. Clough. *An Unfavorable Tide: Global Warming, Coastal Habitats and Sportfishing in Florida*. Washington, DC: National Wildlife Federation.

2005

Glick, P. 2005. *The Waterfowlers' Guide to Global Warming*. Washington, DC: National Wildlife Federation.

2004

Inkley, D. B., M. G. Anderson, A. R. Blaustein, V. R. Burkett, B. Felzer, B. Griffith, J. Price and T. L. Root. 2004. *Global Climate Change and Wildlife in North America*. Wildlife Society Technical Review 04-2. Bethesda, MD: The Wildlife Society.

2002

Price, J. and P. Glick. 2002. *The Birdwatcher's Guide to Global Warming*. Reston, VA and Plains VA: National Wildlife Federation and American Bird Conservancy.

Schneider, S. H. and T. L. Root (eds.). 2002. *Wildlife Responses to Climate Change: North American Case Studies*. Washington, DC: Island Press.

1999

Glick, P. 1999. *Coral Reefs and Climate Change: Last Straw for a Threatened Ecosystem*. Reston, VA: National Wildlife Federation.