

# National Wildlife Federation

## Bibliography of Climate Adaptation-Related Publications



July 2019

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.

### **In Press**

Inkley, D. B. and B. A. Stein. In press. Managing wildlife in a changing climate. In: N. Silvy (ed.), *Wildlife Techniques Manual*, 8<sup>th</sup> edition. Bethesda, MD: The Wildlife Society.

### **2019**

Powell, E. P., M. C. Tyrrell, A. Milliken, J. M. Tirpak, and M. D. Staudinger. 2019. A review of coastal management approaches to support the integration of ecological and human community planning for climate change. *Journal of Coastal Conservation* 23: 1-18.

Stein, B.A., D.M. Lawson, P. Glick, C.M. Wolf, and C. Enquist. 2019. *Climate Adaptation for DoD Natural Resource Managers: A Guide to Incorporating Climate Considerations into Integrated Natural Resource Management Plans*. Washington, DC: National Wildlife Federation.

Zellmer, S., S. Bates, and J. Brown. 2019. Restoring beavers to enhance ecological integrity in National Forest planning. *Natural Resources & Environment* 33: 44-47.

### **2018**

Foden, W. B., B. E. Young, H. R. Akçakaya, R. A. Garcia, A. A. Hoffman, B. A. Stein, C. D. Thomas, C. J. Wheatley, D. Bickford, J. A. Carr, D. Hole, T. Martin, M. Pacifici, J. W. Pearce-Higgins, P. J. Platts, P. Visconti, J. Watson, and B. Huntley. 2018. Climate change vulnerability assessment of species. *WIREs Climate Change* 10: e551.

Lackstrom, K., P. Glick, K. Dow, B. A. Stein, M. N. Peterson, E. Chin, and K. Clark. 2018. *Climate Change and Conservation in the Southeast: A Review of State Wildlife Action Plans*. Raleigh, NC: National Wildlife Federation, University of South Carolina, North Carolina State University.

Stein, B. A., N. Edelson, L. Anderson, J. J. Kanter, and J. Stemler. 2018. *Reversing America's Wildlife Crisis: Securing the Future of Our Fish and Wildlife*. Washington, DC: National Wildlife Federation.

## **2017**

Heyck-Williams, S., L. Anderson, and B. A. Stein. 2017. *Megafires: The Growing Risk to America's Forests, Communities, and Wildlife*. Washington, DC: National Wildlife Federation.

Schottland, T., M. G. Merriam, C. Hilke, K. Grubbs, and W. Castonguay. 2017. *Great Marsh Coastal Adaptation Plan*. Montpelier, VT: National Wildlife Federation.

Schrass, K. and A.V. Mehta. 2017. *Improved Use and Understanding of NNBFF in the Mid-Atlantic*. Annapolis, MD: National Wildlife Federation.

Small-Lorenz, S. L., W. P. Shadel, and P. Glick. 2017. *Building Ecological Solutions to Coastal Community Hazards: A Guide for New Jersey Coastal Communities*. Washington, DC: National Wildlife Federation.

Stein, B. A. 2017. Peering into the future of wildlands management. *Ecology* 98: 1484-1485.

## **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* 9: 131-137.

Glick, P., S. R. Palmer, and J. P. Wisby. 2015. *Climate Change Vulnerability Assessment for Tennessee Wildlife and Habitats*. Nashville, TN: Tennessee Wildlife Resources Agency.

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*. Washington, DC: National Wildlife Federation.

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. Raymond, and S. Reeder. 2014. Chapter 21: Northwest. Pages 487-513 in: J.M. Melillo, T.C. Richmond, and G.W. Yohe, (eds.), *Climate Change Impacts in the United States: The Third National Climate Assessment*. Washington, DC: U.S. Global Change Research Program.
- 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.
- Lynn, K., J. Daigle, J. Hoffman, F. Lake, N. Michelle, D. Ranco, C. Viles, G. Voggeser, and P. Williams. 2013. The impacts of climate change on tribal traditional foods. *Climatic Change* 120: 545-556.
- 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.
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- 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.
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- Stein, B. A. and M. R. Shaw. 2013. Biodiversity conservation for a climate-altered future. Pages 50-66 in: S. Moser and M. Boykoff (eds.), *Successful Adaptation: Linking Science and Practice in Managing Climate Change Impacts*. 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.
- Voggeser, G., K. Lynn, J. Daigle, F. K. Lake, and D. Ranco. 2013. Cultural impacts to tribes from climate change influences on forests. *Climatic Change* 120: 615-626.

## **2012**

- Glaser, A., and P. Glick. 2012. Preventing a growing risk: Addressing the invasive potential of bioenergy feedstocks. *Wildlife Society Bulletin* 36: 389-391.
- 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, and 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.

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- Glick, P., H. Chmura, and B. A. Stein. 2011. *Moving the Conservation Goalposts*. 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.
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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.

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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, and 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.

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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.

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- Glick, P., J. Clough, and B. Nunley. 2008. *Sea-level Rise and Coastal Habitats in the Chesapeake Bay Region*. Washington, DC: National Wildlife Federation.
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- 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. 2006. *Fueling the Fire: Global Warming, Fossil Fuels and the Fish and Wildlife of the American West*. Washington, DC: National Wildlife Federation.
- 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. *Fish Out of Water: A Guide to Global Warming and Pacific Northwest Rivers*. Seattle, WA: National Wildlife Federation.
- Glick, P. 2005. *The Waterfowlers' Guide to Global Warming*. Washington, DC: National Wildlife Federation.

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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.

#### **2001**

Glick, P., D. Inkley, and C. Tufts. 2001. Climate change and wildlife: Integrating global climate policy implementation with local conservation action. *Transactions of the 66<sup>th</sup> North American Wildlife and Natural Resources Conference*. Washington, DC: Wildlife Management Institute.

#### **2000**

Glick, P. 2000. *The Toll from Coal: How Emissions from the Nation's Coal-fired Power Plants Devastate Wildlife and Threaten Human Health*. Washington, DC: National Wildlife Federation.

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

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Glick, P. 1998. *El Niño and Wildlife: You Can't Fool Mother Nature*. Washington, DC: National Wildlife Federation.