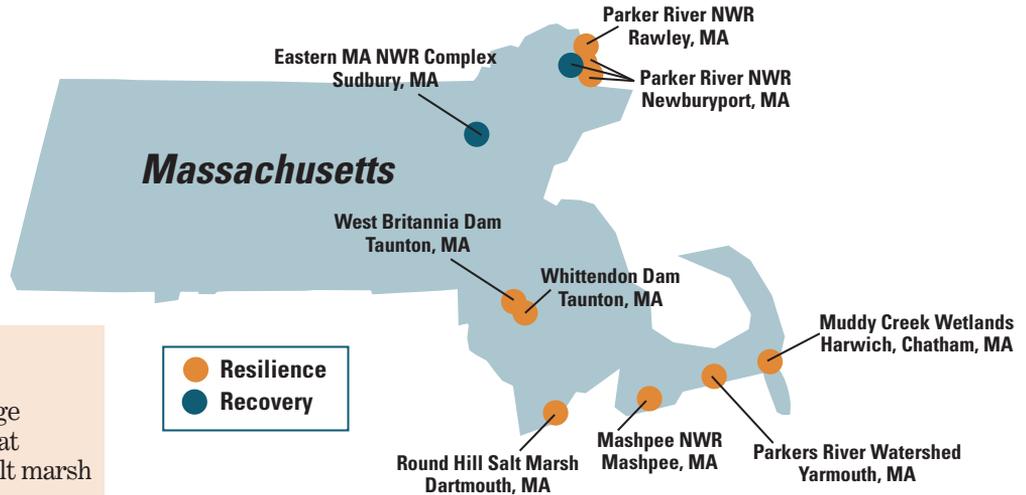


# Building a Stronger Coast in Massachusetts

## Hurricane Sandy Recovery and Resilience Projects

The U.S. Fish and Wildlife Service, through the Disaster Relief Appropriations Act of 2013, is investing \$15.6 million in projects to help Massachusetts recover from impacts of Hurricane Sandy and to better withstand future storms. The projects will restore and add resilience to saltwater and freshwater habitats, and repair and restore national wildlife refuge (NWR) facilities for safe visitor and staff access.



**Eight planned projects will:**

- Evaluate two dams for removal
  - Open 31 miles of stream for fish passage
  - Improve 156 acres of freshwater habitat
  - Protect and improve 27,131 acres of salt marsh
- Total funding: \$11,595,341**

**MASSACHUSETTS RESILIENCE AND RECOVERY PROJECTS**

Project	Type	Description	Location	Funding Awarded
Restore Muddy Creek Wetlands	Resilience	Replace culverts with bridge for fish passage and overall marsh health	Chatham and Harwich, MA	\$3,762,000
Restore Parkers River	Resilience	Enhance natural tidal stream function by replacing undersized bridge	Parkers River in Yarmouth, MA	\$3,718,000
Restore Round Hill Salt Marsh	Resilience	Remove fill to restore natural tidal flow and health of coastal salt marsh	Dartmouth, MA	\$2,277,000
Remove Whittenton and West Britannia Dams	Resilience	Remove two aging dams to aid public safety and fish passage	Mill River in Taunton, MA	\$650,000
Restore resilience to the Great Marsh	Resilience	Improve coastal marsh health and model marsh restoration options	Parker River NWR	\$340,000
Protect property and help coastal wildlife	Resilience	Engineer coastal marsh for higher resilience to sea level rise and storms	Mashpee NWR, Parker River NWR and RI, ME	\$128,000 <i>Amount above invested in Massachusetts out of \$4,150,000 in total funding</i>
Provide backup power - generator and electrical improvements	Recovery	Install solar-powered systems to increase sustainability and reliability	Parker River NWR	\$686,591
Repair roads, trails, boardwalks, buildings and replace informational kiosk	Recovery	Restore infrastructure for visitor access and safety	Eastern Massachusetts NWR Complex	\$23,750

## REGIONWIDE SCIENCE PROJECTS

Massachusetts also will benefit from regionwide science projects designed to help resource managers, planners, conservation partners and private landowners make better-informed decisions.

Project	Description	Location	Funding Awarded
<b>Modernize coastal barrier resources system (CBRS) comprehensive map</b>	Update the CBRS maps, which highlight delicate natural areas vulnerable to change	CT, DE, MD, MA, NJ, NY, NC, RI, VA	\$5,000,000
<b>Provide decision support for increasing resilience of tidal wetland habitats and species</b>	Create a central, region-wide study on wetland impact and effective responses with standardized metrics	CT, DE, MD, MA, NJ, NY, RI, VA	\$2,200,000
<b>Provide decision support for increasing resilience of beach habitats and beach-dependent species</b>	Create and integrate predictive models of coastal impacts such as rising sea levels, storms, and beach habitats to study their interaction and guide conservation decisions	CT, DE, MD, MA, NJ, NY, RI, VA	\$1,750,000
<b>Determine resilience of the tidal marsh bird community</b>	Assess Hurricane Sandy's impact on tidal marsh sites and identify high-priority areas, standardizing measurement metrics	CT, DE, MD, MA, NJ, NY, RI, VA	\$1,573,950
<b>Increase resilience and improve standards for culverts and road stream crossings</b>	Develop a survey of New England road stream crossings to assess condition and effective storm management strategies	CT, DE, MD, MA, NJ, RI, VA	\$1,270,000



*Piping plover*

For more information, visit <http://www.fws.gov/hurricane/sandy/> or contact:

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