

Hurricane Sandy Coastal Resiliency Competitive Grants Program



New Jersey Projects



NFWF

About the National Fish and Wildlife Foundation

WHO WE ARE

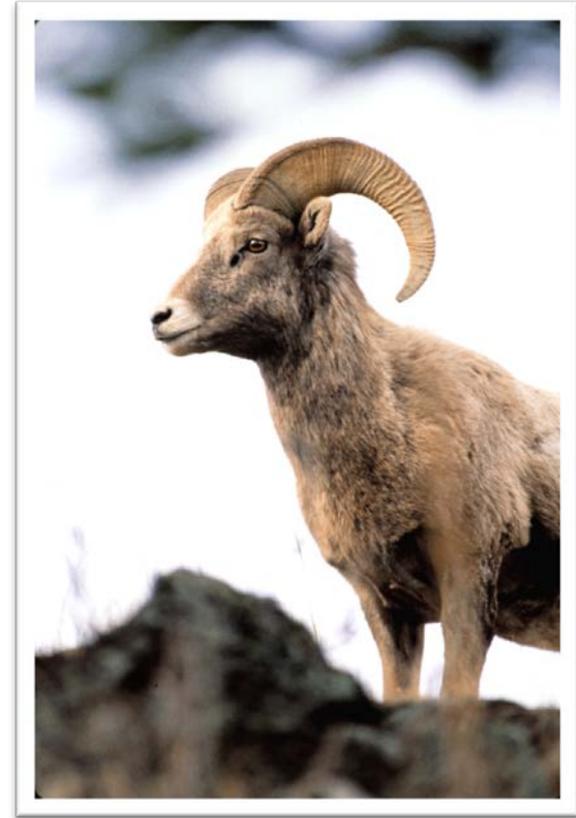
- Chartered by Congress in 1984
- 30 member Board appointed by Secretary of the Interior
 - Includes FWS Director & NOAA Administrator

WHAT WE DO

- Restore, enhance and sustain the nation's natural heritage
- Bring collaboration among federal agencies & private funders
- Create common ground among diverse interests

HOW WE DO IT

- Leverage private money with public funding – average 3:1
- On-the-ground conservation projects through grant making



Program Overview



Jane Thomas, IAN/UMCES



Quick Facts

- In August 2013 , the DOI selected NFWF to administer its Hurricane Sandy Coastal Resiliency Program.
- \$100M in grant funding is dedicated to this competitive process.
- Part of \$360M emergency supplemental to mitigate damages caused by Hurricane Sandy.
- Projects that reduce community and infrastructure vulnerability to coastal storms and associated threats by strengthening natural ecosystems that also benefit fish and wildlife
- NFWF has \$2.8M in other funds committed
- Other foundations and companies interested in supporting

Program Progress



- **September 2013:** DOI and NFWF finalize grant program governance
- **October 2013:** Request for Proposal Completed and Competition Announced by Secretary Jewell
- **November – December 2013 :** 4 regional workshops and 2 program outreach webinars held
- **January 2014:** Hurricane Sandy Conservation Framework finalized
- **January 31, 2014:** Proposal Deadline
- **March – May 2014:** Proposals Under Technical Review for submission up to DOI Secretary
- **June 16, 2014:** Competitive grants to support 54 projects announced

Hurricane Sandy Conservation Framework

Three Overarching Goals:

- 1.Reduce the impacts of coastal storm surge, wave velocity, sea level rise and associated natural threats on coastal and inland communities and infrastructure.
- 2.Strengthen the ecological integrity and functionality of coastal/inland ecosystems to protect communities and to enhance fish and wildlife and their associated habitats.
- 3.Enhance our understanding of the impacts of storm events and identify cost effective, resiliency tools that help mitigate for future storms.

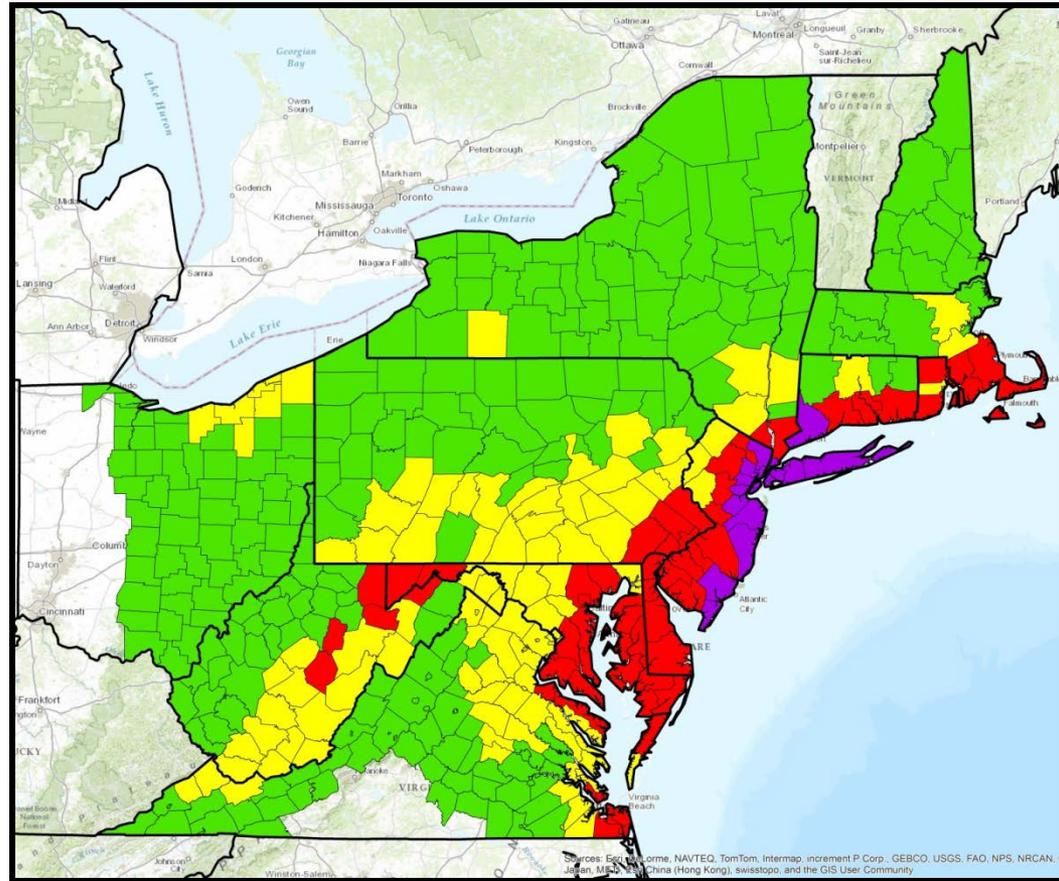


HSCRCGP – Grant Program Area

THE 12 STATES

Projects will be implemented entirely within the **states that officially declared a natural disaster** as a result of the storm system:

- Connecticut
- Delaware
- District of Columbia
- Maryland
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Ohio
- Pennsylvania
- Rhode Island
- Virginia
- West Virginia



Dataset is from the
FEMA Modeling Task Force (MOTF) - Hurricane Sandy Impact Analysis.



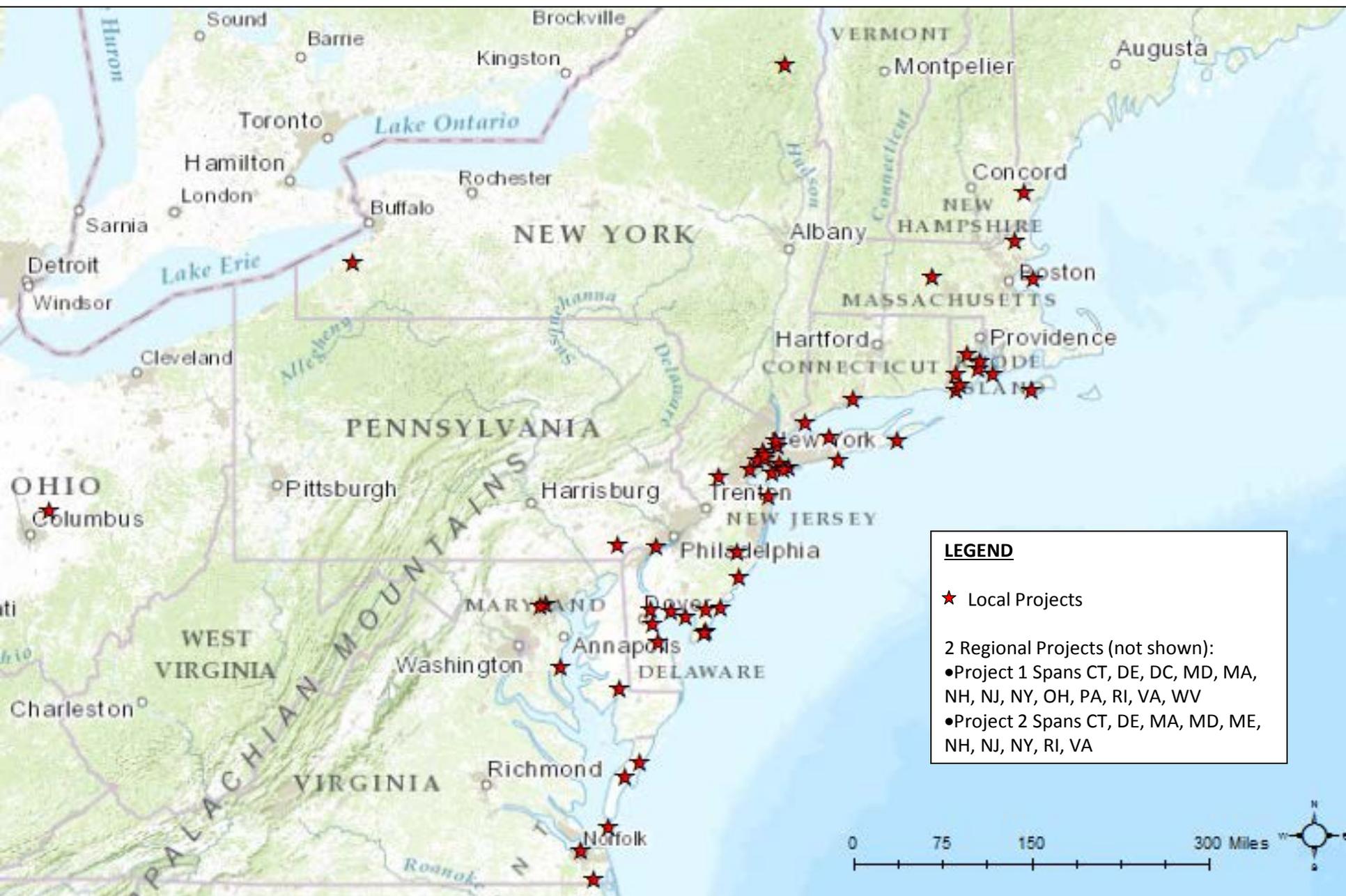
Grant Awards

- 375 Hurricane Sandy proposals received requesting more than \$563 million
- 54 Projects Awarded, totaling \$102.75M
- Majority of projects located in areas severely impacted by the Hurricane
- Approximately...
 - 33% went to Local Governments
 - 33% went to Non-profits
 - 25% went to State Agencies
 - 5% went to Universities
 - 5% went to Tribes

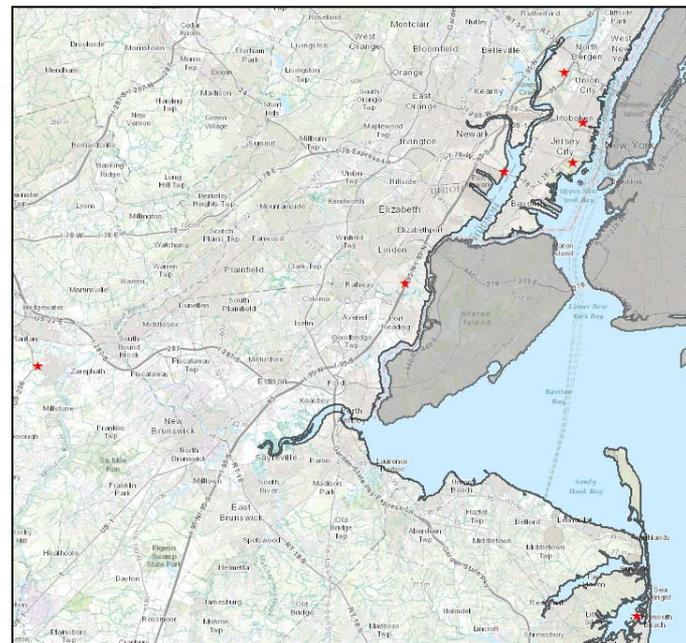
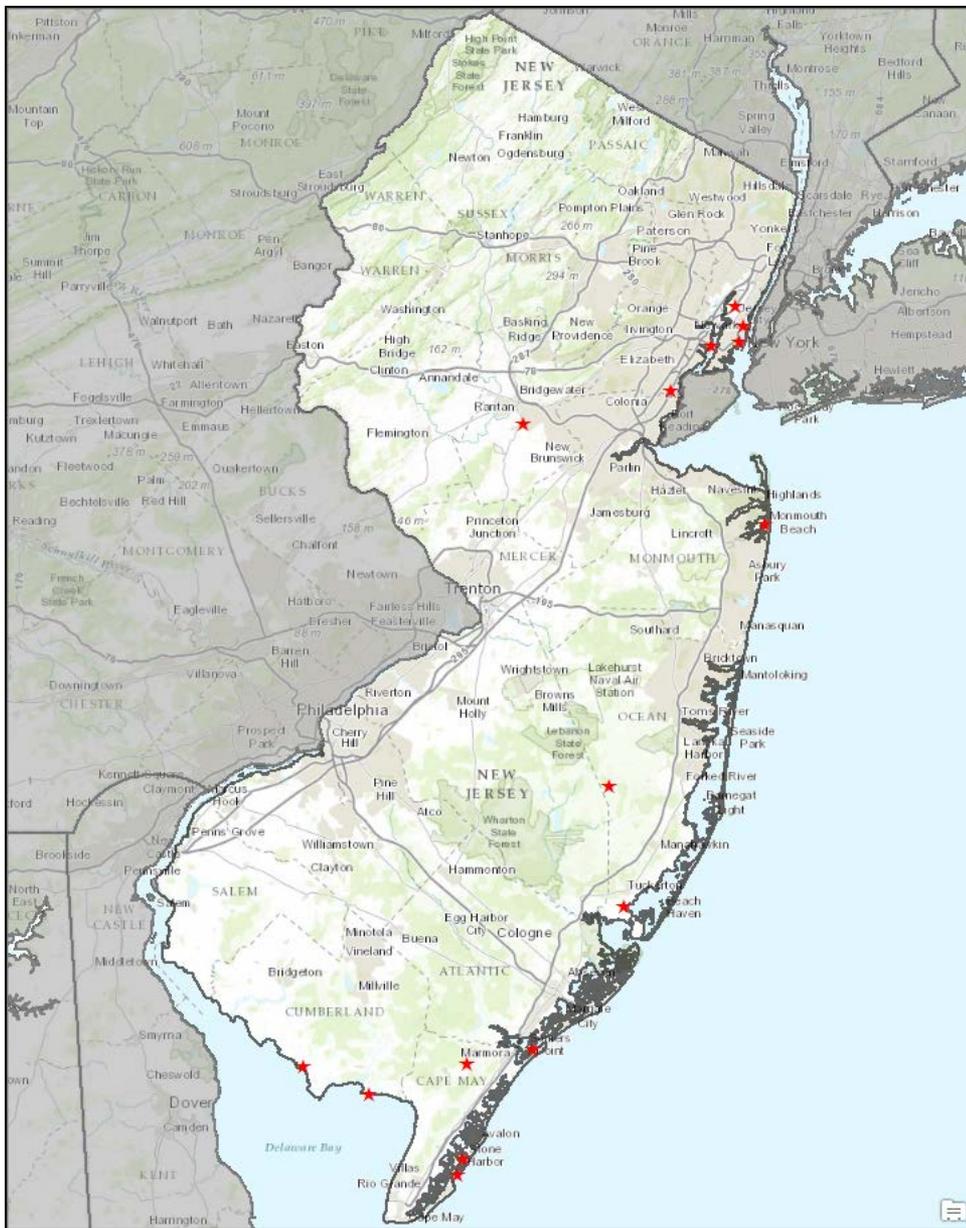


DISTRIBUTION BY STATE		
State	#	Award
NJ	13	\$25,310,000
NY	11	\$24,290,000
VA	4	\$10,540,000
MA	4	\$8,350,000
CT	3.5	\$7,610,000
RI	7	\$7,555,000
MD	4	\$7,160,000
DE	3	\$6,900,000
PA	2	\$3,320,000
Multi	2	\$990,000
NH	1	\$550,000
OH	0.5	\$175,000
DC	0	\$0
WV	0	\$0

Grant Awards



New Jersey Projects



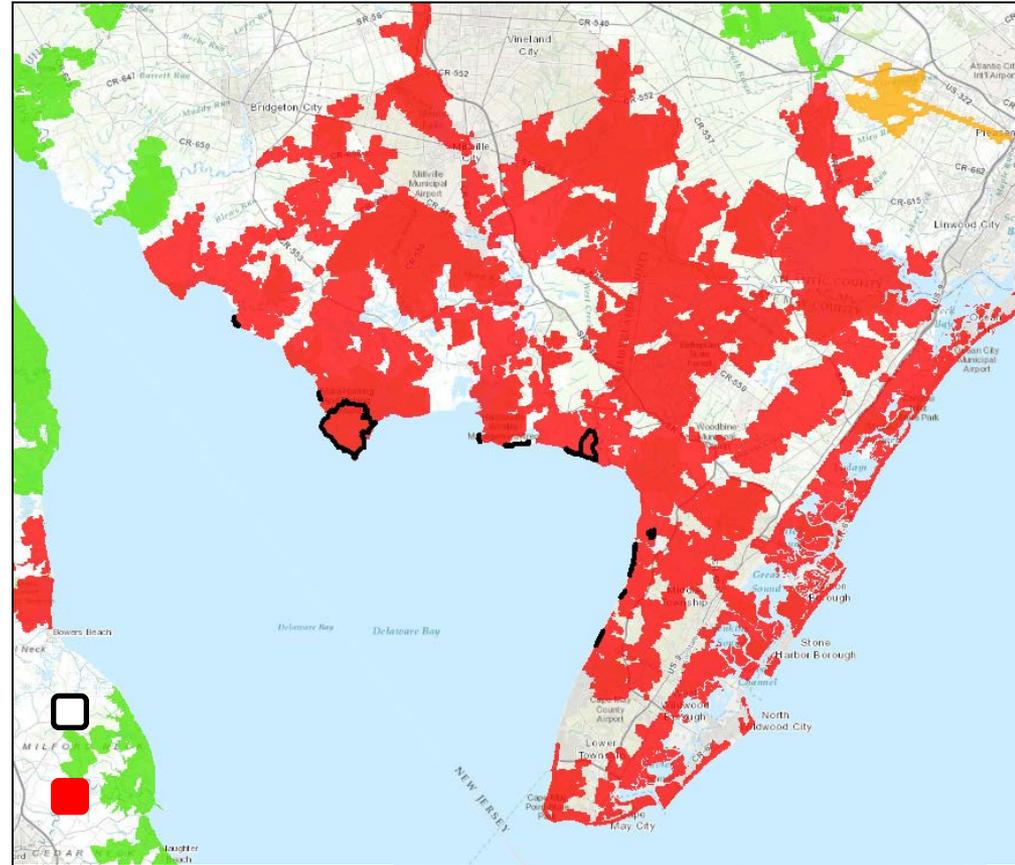
New Jersey Projects

Grantee	Project	Award
*American Littoral Society	Creating a Resilient Delaware Bay Shoreline in Cape May and Cumberland Counties	\$4,750,000
City of Hoboken	Transforming Hoboken's Block 12 into a Green Infrastructure Asset	\$250,000
*City of Newark	Restoring Newark Bay's Wetlands	\$1,560,000
*City of Ocean City	Restoring Hundreds of Wetland Acres in Great Egg Harbor Bay	\$2,630,000
*Little Egg Harbor Township	Replenishing Little Egg Harbor's Marshes and Wetlands	\$2,130,000
*Monmouth Beach	Strengthening Monmouth Beach's Marshes and Dunes	\$1,780,000
NJ Audubon Society	Assessing Coastal Impoundment Vulnerability and Resilience in the Northeast	\$470,000
NJ Audubon Society	Increasing Seven Mile Island's Beach Resiliency	\$1,280,000
NJ Conservation Foundation	Preventing Erosion and Restoring Hydrology in the Pine Barrens	\$280,000
*NJDEP	Building Ecological Solutions to Coastal Community Hazards	\$3,440,000
*NJDEP – Division of Fish & Wildlife	Reusing Dredged Material to Restore Salt Marshes and Protect Communities	\$3,420,000
NJDEP - Office of Natural Resource Restoration	Enhancing Liberty State Park's Marshes and Upland Habitats	\$250,000
Rutgers University	Incorporating Green Infrastructure Resiliency in the Raritan River Basin	\$820,000
Rutgers University	Strengthening Marshes Creek Through Green and Grey Infrastructure	\$2,720,000

ALS – Creating a Resilient Delaware Bay Shoreline

NFWF Resiliency Hub Focus

- Large conserved open lands that contain an intact complex of ecosystems and “nature-based infrastructure”
- Located in close proximity or connected to population centers and important infrastructure.



- Builds off of previously funded NFWF work implemented immediately after Hurricane Sandy

- Will involve 700 volunteers and 2000 youth

- Restores 5.73 miles of beach

- Restores 50 acres of wetlands



- **Community Areas Benefited:** Gandy's/Money Island Beach, Roadway Beach between Fortescue and Oyster Creek, East Point Lighthouse Beach, and Moores/Thompsons Beach in Cumberland Cty; and Reeds Beach and Pierces Point, and South Reeds, Cooks, and North Pierces Point Beaches



City of Newark - Restoring Newark Bay's Wetlands

NFWF "Communities at Risk" Focus

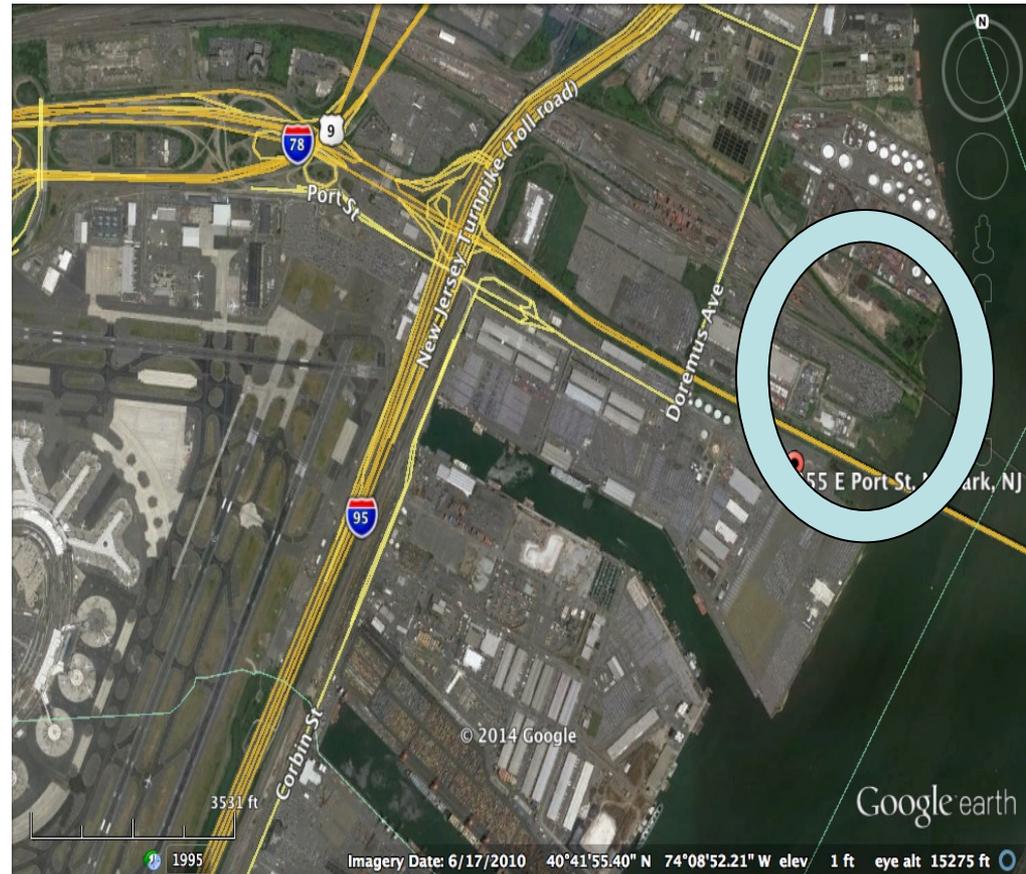


“Coastal and Inland and Communities At Risk” are coastal population centers or population centers located on inland rivers and streams that are characterized by

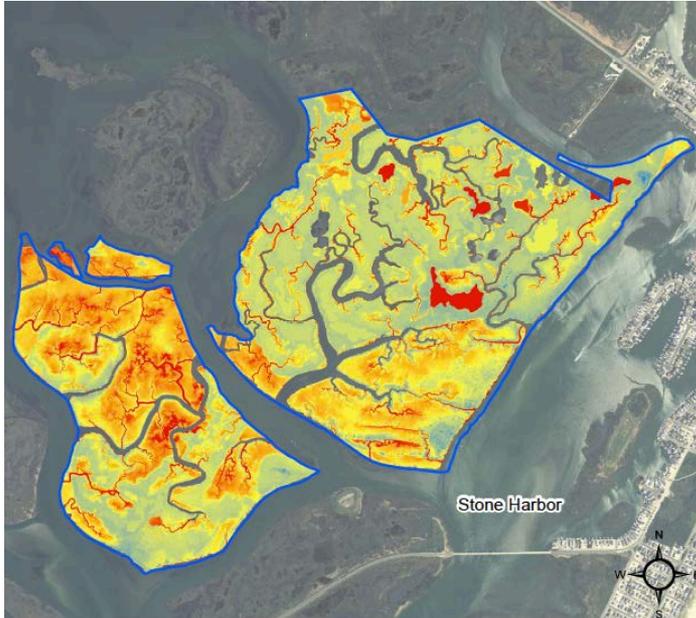
- A mix of residential, business, government and utility infrastructure
- Minimal connection to natural areas on public or private lands
- Some connection to degraded or remnant habitats or ecosystems
- More vulnerable to the effects of climate change and sea level rise
- Prone to significant economic and social damages



- Adjacent to I-78 Bridge benefiting key transportation, energy and economic infrastructure
- Restoration includes 5 acres of heavily eroded shoreline
- Restoring 12 acres of wetlands including 3.4 acres of tidal channels



NJDEP DFW – Reusing Dredge Material to Restore Salt Marshes and Protect Communities



- Four restoration project areas near Avalon, Stone Harbor, and Fortescue using beneficial use of dredge material
- In-depth analysis of the effects of using thin-layer placement on the ecosystem and coastal communities
- 90 acres of salt marsh, including one mile of marsh shoreline, will be restored, reducing vulnerability to flooding and erosion and enhancing habitat for fish and wildlife
- Identification of future projects on state and federal lands





NFWF

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