Emergency Coastal Resilience Fund

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FUNDING PARTNER



ABOUT NFWF

The National Fish and Wildlife Foundation (NFWF) protects and restores our nation's fish and wildlife and their habitats. Created by Congress in 1984, NFWF directs public conservation dollars to the most pressing environmental needs and matches those investments with private funds. Learn more at www.nfwf.org

NATIONAL HEADQUARTERS

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Storm damage in Florida following Hurricane Michael in 2018

Overview

Hurricanes Michael and Florence, Typhoon Yutu, and the coastal wildfires of 2018 caused more than \$50 billion in damage and severely degraded a range of wildlife habitats. Congress provided funding under the Supplemental Appropriations Act of 2019 (P.L. 116-20), allowing grants to be awarded through a partnership between NFWF and <u>NOAA</u>. NFWF's Emergency Coastal Resilience Fund was launched in August 2019, two months after Congress passed the emergency supplemental appropriations bill, to support natural and nature-based infrastructure that will help impacted communities and wildlife recover and be better prepared for future events.

The following 27 projects address two priorities: 1) building coastal resilience through restoration and enhancement; and 2) addressing design and engineering barriers to coastal resilience. This slate represents \$48.5 million in grant funding which has been further leveraged by \$68 million from grantees, generating a total conservation impact of more than \$116 million. These projects will use nature-based infrastructure such as living shorelines, wetlands, dunes, coastal forests, floodplain habitat, and coral reefs to achieve the dual benefits of improving human community resilience while also improving the ecological integrity of coastal ecosystems and enhancing fish and wildlife habitats.



Wildfires in California

Dauphin Island Causeway Shoreline and Habitat Restoration Project (AL)

Grantee: Mobile County Commission

Comprehensive Community-Based Debris Flow Mitigation and Habitat Restoration (CA)

Regional Wildfire Mitigation Program for the Santa Barbara South Coast (CA)

Santa Monica Mountains Woolsey Fire Recovery and Adaptation Program (CA)

Grantee: Conservation Biology Institute	
Grant Amount:	
Matching Funds: \$3,602,928	
Total Project Amount: \$6,102,928	
Create a comprehensive fire prevention program for the	
region, focusing on homeowner outreach and education	
while conserving and restoring plant and wildlife habitat	
functions by improving homeowner practices and	
reestablishing native oaks in critical locations. Project will	
leverage prior and ongoing planning efforts to achieve	

2020 GRANT SLATE



Least tern chick in Florida

more sustainable and resilient approaches to wildfire management in the Santa Monica Mountains region.

Project Name: Enhancing Wetlands and Corals Resilience in Saipan's Priority Management Watershed (CNMI)

Identifying Priority Sites for Reef Restoration in Saipan (CNMI)

Grantee: SymbioSeas
Grant Amount: \$249,972
Matching Funds: \$230,000
Total Project Amount: \$479,972
Develop a framework for identifying, prioritizing candidate
sites to implement coral reef restoration in Saipan. Project
will assess restoration need, restoration feasibility, and
likelihood of short and long-term coral survivorship.

Shoreline Stabilization and Enhancement Plan for the Beach Road Pathway (CNMI)

Grantee: Pacific Coastal Research & Planning	
Grant Amount: \$2	248,903
Matching Funds: \$	60,130
Total Project Amount: \$3	309,033
Develop a Shoreline Master Plan for a highly used s	ix-mile
portion of Saipan's western coast. Project will prod	uce
a comprehensive management plan as well as selec	t one
project for further development and implementation	n.

City of Mexico Beach Wetland Restoration and Dune Installation (FL)

Coastal Dune Lake Hydrologic Restoration (FL)

Grantee: Walton County, Florida
Grant Amount: \$1,224,604
Matching Funds: \$1,175,396
Total Project Amount: \$2,400,000
Remove two old and dilapidated culverts vulnerable to



catastrophic weather events under County Road 30A and replace them with bridges on two coastal dune lakes. Project will restore the connection and circulation of the lakes and improve the lake community and adjacent ecosystems.

Franklin County Living Shoreline (FL)

Okaloosa Island Dune Restoration and Enhancement (FL)

Grantee: Okaloosa County

American oystercatcher in North Carolina's Rachel Carson Reserve

St. Joseph Peninsula Dune Habitat Enhancement Project (FL)

Grantee: Gulf County Board of County Commissioners
Grant Amount: \$3,700,000
Matching Funds: \$1,300,000
Total Project Amount:
Restore three miles of shoreline on St. Joseph Peninsula
through sand and vegetation restoration. Project will
provide coastal resilience by increasing the stability and
longevity of the beach sand and encouraging additional dune
growth through trapping wind-blown sand, increasing storm
protection by limiting the damaging effects of storm surge,
and promoting wildlife protection and increasing habitat.

Veterans Park Living Shoreline, Erosion Control and Habitat Restoration (FL)

Grantee: Okaloosa County
Grant Amount: \$1,500,000
Matching Funds: \$1,500,000
Total Project Amount: \$3,000,000
Install a living shoreline to protect over 2,200 linear feet of
shoreline at Veterans Park on Choctawhatchee Bay. Project
will reduce the impact of wave energy and provide oyster
habitat, a seagrass recruitment area, and a salt marsh shelf.

Brunswick Town Fort Anderson Shoreline Restoration Project (NC)

Grantee: NC Department of Natural and Cultural Resources
Grant Amount: \$2,002,500
Matching Funds: \$1,516,669
Total Project Amount: \$3,519,169
Install a living shoreline to protect 1,000 linear feet along

2020 GRANT SLATE

the Brunswick Town/Ft. Anderson State Historic Site by attenuating wave action and mitigating erosion. Project will protect and provide salt marsh and oyster habitat, and safeguard the site's historical resources.

Building Adaptive Shorelines for Resilient Coastal Communities (NC)

Clear Run Branch Drainage Improvement and Stream Restoration (NC)

Grantee: City of Wilmington, North Carolina

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Grant Amount: \$1,410,345
Matching Funds: \$4,500,000
Total Project Amount: \$5,910,345
Construct a stable stream channel that can safely
accommodate high flows from upstream development
during storms and alleviate flooding along the channel.
Project will improve wildlife habitat and decrease flood risk
through stream and floodplain restoration or enhancement
of 7.5 acres of floodplain habitat and 5,900 feet of stream
channel.

Enhancing Aquatic Connectivity Resiliency and Flood Capacity in the Black River Watershed (NC)

Grantee: Cape Fear Resource Conservation & Development
Grant Amount: \$500,000
Matching Funds: \$500,000
Total Project Amount: \$1,000,000
Complete the engineering, design and replacement of two
culverts for the purpose of enhancing up to two miles
of stream habitat within the lower Black River basin to
improve aquatic connectivity resilience and flood capacity
for local coastal communities and fish habitat. Project will
improve drainage in these areas and decrease the likelihood
of overbank flooding and road overtopping during storm
events.

North Duck Village Living Shoreline (NC)

Grantee: Town of Duck

Grant Amount:
Matching Funds: \$384,011
Total Project Amount:
Construct 1,100 linear feet of sheetpile sill and restore



Northern Mariana Islands

eroded wetlands along the shoreline of Currituck Sound. Project will create a more resilient coastal edge, improve coastal habitat, and protect the adjacent sidewalk, bike lane, and Duck Road that serve as the primary transportation artery along the Northern Outer Banks.

Overcoming Local Barriers to Implementation and Getting to Shovel Readiness (NC)

Grantee: NC Dept of Environmental Quality

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Grant Amount: \$1,141,047
Matching Funds: \$830,000
Total Project Amount: \$1,971,047
Establish an incentive-based state framework which will
support comprehensive local community resilience planning
and build upon an existing vulnerability assessment and
knowledge base that will help strengthen ecosystems at
the Rachel Carson Reserve. Project will protect the Town
of Beaufort and result in several shovel-ready projects that
increase the resilience of natural resources and coastal
communities in North Carolina.

Protecting Education Infrastructure, Critical State Roadways and Estuarine Habitats with Living Shorelines (NC)

Restoring Pocosin Hydrology to Improve Flood Resiliency and Wildlife Habitat (NC)

Grantee: The Nature Conservancy
Grant Amount:
Matching Funds: \$220,314
Total Project Amount: \$1,040,958
Restore hydrologic conditions across a prioritized 7,500-
acre area of drained headwater pocosin wetlands on
the southern portion of Angola Bay Game Land. Project



Anglers at an oyster reef in South Carolina

will produce a finalized design and install restoration infrastructure that will enable managers to effectively control drainage levels, providing community flood resilience benefits in the Northeast Cape Fear River floodplain while enhancing pocosin wetland habitat.

Shoreline Restoration and Tidal Wetland Creation at the Battleship North Carolina (NC)

Church Creek Habitat Restoration and Flood Protection Project (SC)

Grantee: City of Charleston, South Carolina

Grant Amount: \$1,345,000
Matching Funds: \$1,354,825
Total Project Amount: \$2,699,825
Implement nature-based solutions and green infrastructure
to protect critical infrastructure in and around the Church
Creek Basin, promote community resilience around the
basin and in surrounding communities, and enhance
ecosystem services and hydrological function. Project will
complete 33 acres of floodplain restoration, 2.5 miles of

instream restoration, 28.5 acres of land restoration, and 29.5 acres of wetland restoration.

Informed Scenario Planning For Community-Wide Resilience Strategy Building on Kiawah Island (SC) Grantee: Kiawah Conservancy

Grant Amount: \$125,92	24
Matching Funds: \$170,18	30
Total Project Amount: \$296,10)4

Address barriers to coastal resilience by engaging stakeholders within the community to reach a consensus on the use of nature-based solutions to increase resilience to flooding and natural hazards for both human and wildlife communities. Project will engage stakeholders in scenario planning, and discuss the use of nature-based solutions within the barrier island community.

Johns Island Restoration Plan to Improve Flood Resiliency (SC)

North Charleston Restoration for Resilience (SC)

Creating Coastal Resiliency through Living Shoreline Strategies (VA)