



# National Coastal Resilience Fund

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## PARTNERS

- NOAA
- AT&T
- Shell
- TransRe
- U.S. Department of Defense
- U.S. Environmental Protection Agency

## ABOUT NFWF

Chartered by Congress in 1984, the National Fish and Wildlife Foundation (NFWF) protects and restores the nation's fish, wildlife, plants and habitats. Working with federal, corporate and individual partners, NFWF has funded more than 5,000 organizations and generated a total conservation impact of \$6.1 billion.

Learn more at [www.nfwf.org](http://www.nfwf.org)

## NATIONAL HEADQUARTERS

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Dunes protecting sea turtle nests and homes along the coast of South Carolina.

## OVERVIEW

The 2020 round of funding from the National Fish and Wildlife Foundation's (NFWF) **National Coastal Resilience Fund** (NCRF) includes 46 new coastal resilience grants totaling more than \$37 million. The awards announced generated \$55 million in match from the grantees, providing a total conservation impact of \$92 million.

In this latest round of grant-making from the fund, NFWF and NOAA were joined by partners Shell, TransRe, the U.S. Environmental Protection Agency, and AT&T; with additional funding from the U.S. Department of Defense.

The National Coastal Resilience Fund restores, increases, and strengthens natural infrastructure to protect coastal communities while also enhancing habitats for fish and wildlife. Established in 2018, the National Coastal Resilience Fund invests in conservation projects that restore or expand natural features such as coastal marshes and wetlands, dune and beach systems, oyster and coral reefs, forests, coastal rivers, and floodplains, and barrier islands that minimize the impacts of storms and other naturally occurring events on nearby communities.

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## COMMUNITY CAPACITY BUILDING AND PLANNING

### Planning for Community and Ecosystem Resilience on the Oregon Coast (OR)

Grantee: Oregon Department of Land Conservation and Development

Grant Amount:.....\$250,584  
 Matching Funds:.....\$154,442  
 Total Project Amount: .....\$405,026

Engage coastal communities in a formal process to identify specific resilience needs and develop a planning framework to push projects forward to advanced stages of coastal resilience activities in Oregon's estuarine areas. Project will empower coastal communities to plan and implement coastal resilience activities and leverage existing planning frameworks to accomplish broader resiliency goals and restoration priorities in highly vulnerable estuaries.

### Building Capacity and Partnerships to Plan and Implement Coastal Resilience in the Florida Panhandle

Grantee: The Nature Conservancy

Grant Amount:.....\$206,753  
 Matching Funds:.....\$271,793  
 Total Project Amount: .....\$478,546

Create a portfolio of nature-based solution projects for coastal resilience in Franklin, Gulf and Bay counties in Florida through work with regional and local partners and analysis of the effectiveness of natural features in reducing storm damage from Hurricane Michael. Project will establish a regional resilience planning framework, including a process for using existing decision support tools and resources, guide investments in restoring, strengthening, and creating natural features.

### Producing Natural Resource Evaluation and a Management Plan for Mispillion and Cedar Creek (DE)

Grantee: Partnership for the Delaware Estuary

Grant Amount:.....\$110,042  
 Matching Funds:.....\$110,048  
 Total Project Amount: .....\$220,090

Work with partners to produce a natural resource economic valuation and management plan for Mispillion and Cedar Creek watersheds in Delaware. Project will provide the region with an ecotourism and nature-based investment strategy for conservation, climate adaptation, and community resilience in the watersheds, and will culminate in a comprehensive management plan that promotes resilience to flooding, sea level rise, and land use development.

### Planning for Coastal Resilience through an Innovative Design Approach to Capacity Building (GA, NC, SC)

Grantee: Southeastern Association of Fish and Wildlife

Grant Amount:.....\$200,000  
 Matching Funds:.....\$230,000  
 Total Project Amount: .....\$430,000

Identify, assess, and build regional teams to address hydrologic connectivity threats resulting from inadequate



Great blue heron on South Padre Island, Texas

culvert structures in tidal systems. Project will focus on surveying, assessing, and prioritizing sites with key regional partners from diverse backgrounds, and aims to build a community of practice in each region to further aquatic conservation and community resiliency.

### Building Capacity and Conducting Coastal Risk Assessments in Remote Alaska Native Communities

Grantee: Alaska Native Tribal Health Consortium

Grant Amount:.....\$1,360,801  
 Matching Funds:.....\$821,588  
 Total Project Amount: .....\$2,182,389

Provide adaptation planning and development of hazard mitigation and restoration solution support for 44 Alaskan Resilience Hub communities with capacity building on coastal flooding and erosion for the development of informed mitigation solutions and future design of restoration. Project will take an innovative, comprehensive, efficient, culturally-sensitive, and forward-looking approach to building capacity and conducting urgently needed coastal risk assessments in remote Alaska Native communities.

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Commercial fishing hub in Gulfport, Mississippi

**Creating a Community Flooding and Resilience Plan for Southeast Detroit (MI)**

Grantee: Eastside Community Network  
 Grant Amount:.....\$185,609  
 Matching Funds:.....\$215,000  
 Total Project Amount: .....\$400,609  
 Undertake a planning effort in southeast Detroit to evaluate the flooding issues facing the community and develop a set of recommended solutions. Project will survey households experiencing flooding issues, and a selected portion will receive home assessments to address the cause of their flooding with an emphasis on the use of nature-based, green stormwater infrastructure, and restoration solutions that could mitigate flooding risk while contributing to ecosystem recovery.

**Developing a Resiliency Implementation Workplan for Camden County (GA)**

Grantee: The Nature Conservancy  
 Grant Amount:..... \$75,000  
 Matching Funds:..... \$75,000  
 Total Project Amount: .....\$150,000  
 Create a resiliency implementation workplan for Camden County, Georgia, via a stakeholder-driven planning process that results in actionable steps to assist local, county, and navy decision-makers in improving local resilience. Project will prioritize nature-based solutions by identifying and developing opportunities for nature-based, green-grey infrastructure projects to mitigate flooding, storm surge, sea-level rise risks, and other threats to local infrastructure and facilities.

**Building a County Collaborative and Capacity through Development of a Resilience Strategy (CA)**

Grantee: County of Santa Clara  
 Grant Amount:.....\$150,000  
 Matching Funds:.....\$150,000  
 Total Project Amount: .....\$300,000  
 Build capacity and identify local vulnerabilities and priorities through convening practitioners and leaders of 20 to 30 local government agencies and civil society stakeholders in Silicon Valley to ultimately incorporate policy and project solutions in the Santa Clara County Resiliency Strategy. Project will increase knowledge and develop a pipeline of prioritized policy and projects to implement and increase community, economic, riparian, and bay ecological resiliency.

**Creating a Resiliency and Sustainability Master Plan for Port of Gulfport (MS)**

Grantee: The Mississippi State Port Authority at Gulfport  
 Grant Amount:.....\$124,493  
 Matching Funds:.....\$124,493  
 Total Project Amount: .....\$248,986  
 Create a Resiliency and Sustainability Master Plan for the Port of Gulfport that will support the Port’s current environmental program and comprehensive emergency management plan and will also weave elements of sustainability throughout the Port’s operations and procedures. Project will determine goal and objective formation, complete a resiliency assessment sustainability assessment, and prepare a resiliency and sustainability master plan.

### Developing a Head Estuarine Shoreline Management Plan for the Town of Nags Head (NC)

Grantee: Town of Nags Head

Grant Amount:..... \$75,000  
 Matching Funds:.....\$160,500  
 Total Project Amount: .....\$235,500

Address the estuarine shoreline management in the Town of Nags Head while balancing land use, ecosystem health, public health, and recreational opportunities. Project will prioritize shoreline management opportunities through a biogeographical inventory of existing shorelines, historical changes, and impacts; identify shoreline best management practices, uses, and policy; and explore regulatory issues to consider the impacts of future hazards on the estuarine system, such as sea-level rise.

### Developing a Living Shoreline Suitability Model for Pensacola Bay (FL)

Grantee: Santa Rosa County

Grant Amount:..... \$73,910  
 Matching Funds:..... \$73,910  
 Total Project Amount: .....\$147,820

Develop a living shoreline habitat suitability model and master plan for the Pensacola Bay System and assess approximately 175 miles of shoreline and include parameters such as land use, bathymetry, habitat type, wave dynamics, sediment transport, and the presence or absence of hardened coastal infrastructure. Project will create a model to characterize and prioritize living shoreline opportunities across local government jurisdictions, as a comprehensive coastal resilience strategy.

### Establishing a Comprehensive Coastal Nature-Based Resiliency Plan (NC)

Grantee: North Carolina Department of Transportation

Grant Amount:.....\$353,083  
 Matching Funds:.....\$353,083  
 Total Project Amount (Grant + Matching Funds): ...\$706,166

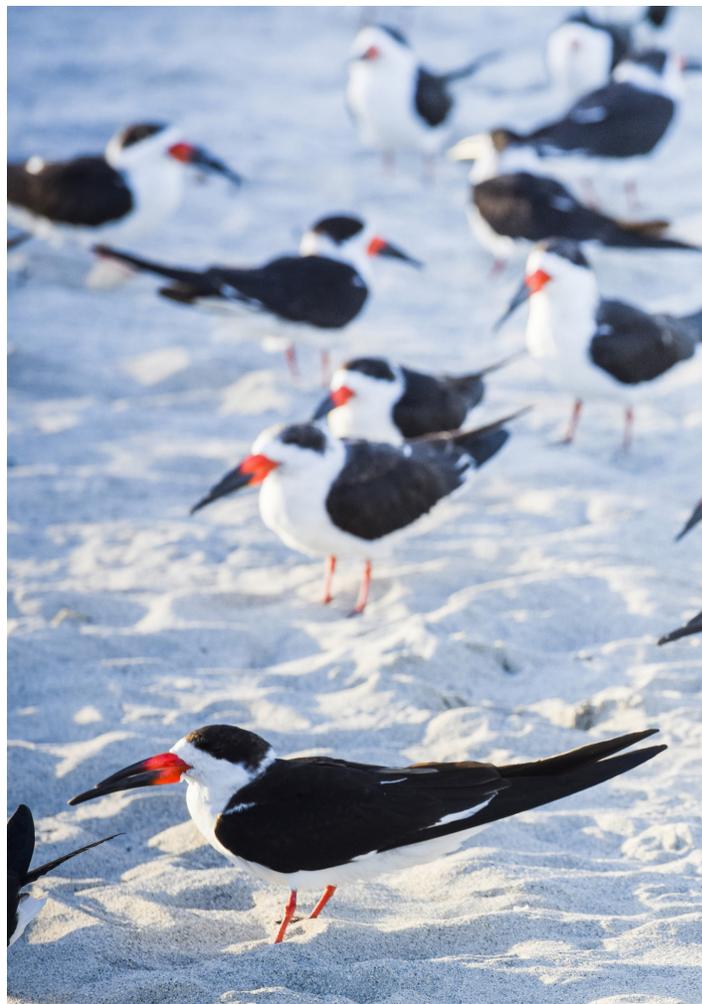
Establish a coastal nature-based resiliency plan focused on prioritizing sites for habitat restoration and protecting critical roadway infrastructure, to serve as a public, living plan created through stakeholder and community engagement. Project will identify and organize potential projects that address North Carolina's needs for coastal resiliency and increase stakeholder and public engagement to help build capacity to execute nature-based resilience projects.

### Developing a Resilient Waterfront and Shoreline Enhancement Plan (FL)

Grantee: City of Miami

Grant Amount:.....\$225,000  
 Matching Funds:.....\$325,000  
 Total Project Amount: .....\$550,000

Develop a 20-year capital plan for city of Miami shoreline enhancement projects, including updated design and permitting guidelines and financing recommendations.



Black skimmers on Miami Beach

Project will lead to reduced increasing flood risks over the next 40 years and will protect and enhance the currently compromised ecosystems of Biscayne Bay, Miami River and Little River through a combination of nature-based and structural means.

### Developing a Regional Coastal Resilience Plan for Southern Maine

Grantee: Southern Maine Planning and Development Commission

Grant Amount:.....\$130,000  
 Matching Funds:.....\$136,500  
 Total Project Amount: .....\$266,500

Develop a regional coastal resilience plan for a 10-municipality region in southern Maine through collaborative engagement of municipalities, local land trusts, regional conservation organizations, and state natural resource agencies. Project will assist communities, the region, and the state to better prepare for impacts of coastal hazards and will identify land use strategies, adaptation measures, and nature-based solutions for making the region more resilient to coastal flooding.

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Oysters in South Carolina

## PROJECT SITE ASSESSMENT AND PRELIMINARY DESIGN

### Feasibility Study and Design of the Laguna Madre Living Shoreline (TX)

Grantee: The City of South Padre Island

Grant Amount:.....\$150,000

Matching Funds:.....\$150,000

Total Project Amount:.....\$300,000

Create a bayside living shoreline using an innovative new design approach that will encourage ecological diversity and deliver community protection against environmental stressors. Project will develop an arrangement of intertidal berms to establish pocketed wetlands that play roles in heavy metal absorption, decreased wave energy, coastal erosion, storm surge buffer, and habitat restoration.

### Enhancing Shoreline Protection at the Tampa Bay Philippe Park (FL)

Grantee: Pinellas County

Grant Amount:.....\$130,000

Matching Funds:.....\$196,000

Total Project Amount:.....\$326,000

Assess and design seawall enhancement options in Tampa Bay, at Philippe Park in Safety Harbor, Florida, with a goal of demonstrating and comparing resiliency, creating salt marsh and oyster reef habitat, and assessing cost-effectiveness. Project will result in 60-percent design of several different living shoreline treatments, both traditional and innovative, along a concrete seawall, baseline monitoring, and creation of an effective decision-support tool and performance matrix.

### Protecting Sacred Sites and Building Community Resilience through Strengthening Marshes (LA)

Grantee: Lowlander Center

Grant Amount:.....\$112,047

Matching Funds:.....\$113,387

Total Project Amount:.....\$225,434

Identify the many dredged and abandoned canals threatening tribal sacred sites, discern places that can be restored or conserved, and recognize those that have passed their survival tipping points. Project will result in reduced land loss, preserve sacred places and safe-havens, and restore overland flow and some below-ground flows in coastal marshes by placing plugs in abandoned canals, and removing spoil banks.

### Creating a Resiliency and Hazard Mitigation Plan for the City of New Bern (NC)

Grantee: City of New Bern

Grant Amount:.....\$150,000

Matching Funds:.....\$150,000

Total Project Amount:.....\$300,000

Create a replicable city-wide Resiliency and Hazard Mitigation Plan, identify priority restoration sites, develop preliminary and 50-percent design, and work directly with stakeholders to meet the City's restoration and community resilience goals based on the results of its ongoing community capacity building and planning project. Project will analyze and implement sustainable nature-based solutions that will enable both its man made and natural environments to be more resilient.

### Living Shoreline Stabilization for Communities and Tidal Wetlands in the Great Bay Estuary (NH)

Grantee: New Hampshire Department of Environmental Services

Grant Amount:.....\$257,000

Matching Funds:.....\$257,000

Total Project Amount:.....\$514,000

Create a pipeline for living shoreline projects that protect salt marsh habitat and coastal communities from erosion, sea-level rise, and flooding in the Great Bay Estuary municipalities of Dover, Durham, and Newmarket. Project will prioritize sites based on criteria, including habitat value and community asset protection, from which 3-4 sites will be selected for 50-percent engineering designs that will be developed by working with an innovative living shoreline professional training program.

### Designing Innovative Saltmarsh Restoration and Protecting Coastal Community Infrastructure (FL)

Grantee: University of Florida

Grant Amount:.....\$157,834

Matching Funds:.....\$182,449

Total Project Amount:.....\$340,283

Collect baseline data, develop a guidance manual, and provide preliminary design plans that facilitate salt marsh

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Coastal community in Alaska

lateral expansion, enable dredged sediments to be applied to adjacent salt marshes, and augment salt marsh accretion. Project will engage multiple stakeholders in the design of an innovative approach focused on using thin-layer placement of dredged sediments from the Intracoastal Waterway to enhance the resilience of adjacent salt marshes and community infrastructure.

**Conducting a Feasibility Study and Creating a Restoration Design for Livingston Bay (WA)**

Grantee: Whidbey Camano Land Trust  
 Grant Amount:.....\$155,000  
 Matching Funds:.....\$200,000  
 Total Project Amount:.....\$355,000

Determine the feasibility of estuary and wetland restoration, with the goal of acquiring and subsequently restoring critical habitat on approximately 292 acres of diked farmland in Livingston Bay on Camano Island in the Puget Sound of Washington State. Project will determine feasibility of restoring diked farmland to its former tidal estuary and wetland condition to increase available critical habitat and improve community resilience of this regionally identified critical nearshore habitat.

**Designing a Buffalo Creek Floodplain Reconnection in the Town of West Seneca (NY)**

Grantee: Buffalo Niagara Waterkeeper  
 Grant Amount:.....\$115,347  
 Matching Funds:.....\$331,150  
 Total Project Amount:.....\$446,497

Provide technical oversight and coordination for analysis, field study, and preliminary design of a reconnected floodplain on Buffalo Creek in West Seneca, NY, upstream of the flood-prone Lexington Green community, to mitigate flooding, improve resiliency throughout the community and

downstream, and provide beneficial habitat for native species. Project will use nature-based solutions to mitigate flooding while providing for greater resiliency of the waterway, community, and native habitat.

**Creating a Living Shoreline and Establishing Marshlands in East Landbridge (LA)**

Grantee: City of New Orleans  
 Grant Amount:.....\$500,000  
 Matching Funds:.....\$500,000  
 Total Project Amount:.....\$1,000,000

Conduct preliminary planning and design for living shoreline and marsh creation on the New Orleans East Landbridge, the only remaining natural feature in the Louisiana Coastal Master Plan that protects the City of New Orleans from storm surge in the Gulf. Project will create a design that will include 1,563 acres of wetlands created using hydraulically dredged sediment from Lake Borgne, and 21,597 linear feet of living shoreline protection features to be installed in Lake Borgne.

**Enhancing Community Resilience through Site Flood Assessment and a Flood Mitigation Design (HI)**

Grantee: Hanalei Watershed Hui  
 Grant Amount:.....\$250,000  
 Matching Funds:.....\$568,489  
 Total Project Amount:.....\$818,489

Conduct a hydrologic assessment to evaluate potential mitigation designs to attenuate riverine flood water impacts in Hanalei Basin, and create a elevation model using survey data of existing topography and bathymetry of the floodway and inland waterways. Project will evaluate mitigation designs, rank flood attenuation, create a wetland habitat matrix, define cost-benefit to attenuate flood impacts and enhance wetland habitat, and complete 60-percent preliminary designs.

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**Developing a Hogans Creek Restoration Plan (FL)**

Grantee: Groundwork Jacksonville

Grant Amount:.....\$294,000

Matching Funds:.....\$335,688

Total Project Amount:.....\$629,688

Develop a preliminary design for the ecological restoration of Hogans Creek to reduce flooding, improve water quality, create habitat for fish and wildlife, and provide nature-based recreation using concepts in natural channel design to fit its watershed and receiving waters. Project will engage the neighborhoods within the creek's watershed as well as other key stakeholders as design partners.

**Restoring Tidal Flows to Schoppee Marsh and Increasing the Coastal Resilience of Machias (ME)**

Grantee: Downeast Salmon Federation

Grant Amount:.....\$107,780

Matching Funds:.....\$179,959

Total Project Amount:.....\$287,739

Restore more than 50 acres of salt marsh at of the Machias Bay estuary in eastern Washington County, Maine. Project will produce a feasibility study and adaptive management strategies in preparation for the production of a full engineering design to restore the salt marsh, provide sea-level rise and storm surge protection for the Town of Machias, protect habitat for salt marsh fish, wildlife, and plant species, and provide education and outreach opportunities for the community.

**PROJECT FINAL DESIGN AND PERMITTING****Creating a Living Shoreline along Lions Park to Enhance the Critical Estuarine Habitat (AS)**

Grantee: University of Hawaii at Manoa

Grant Amount:.....\$337,037

Matching Funds:.....\$217,799

Total Project Amount:.....\$554,836

Create a living shoreline on Tutuila Island in U.S. Territory of American Samoa along Lions Park to enhance the critical estuarine habitat in the adjacent Pala Lagoon and serve as a concrete demonstration of alternative erosion protection to traditional seawalls. Project will create a locally suitable design for the living shoreline project, resulting in the protection of critical infrastructure, improvement of water quality by increased filtration, and enhanced biodiversity.

**Developing a Restoration Design for Degraded Saltmarshes of Southern Mastic Beach (NY)**

Grantee: Town of Brookhaven

Grant Amount:.....\$400,000

Matching Funds:.....\$450,000

Total Project Amount:.....\$850,000

Develop final designs to restore 147 acres of degraded saltmarsh in Mastic Beach, New York, back to a natural floodplain to reduce flooding to neighboring communities and increase natural habitats and ecological diversity. Project will finalize plans and obtain all permits to remove a coastal road



Saltmarsh sparrow in New Jersey

and create new habitats to reduce flooding, remove invasive plants and replant with native species, and communicate predicted sea-level flooding to Mastic residents.

**Creating a Dune and Habitat Restoration Plan for Green Hill Pond in the South Shore of Rhode Island**

Grantee: University of Rhode Island

Grant Amount:.....\$129,191

Matching Funds:.....\$129,389

Total Project Amount:.....\$258,580

Survey and model a detailed design, cost estimations, and permitting of an optimal nature-based dune restoration scenario and dredging of an adjacent pond in the Green Hill Pond area along the south shore of Rhode Island, specifically 1.5 miles of a barrier beach and 500 acres of coastal pond. Project will reduce the coastal flooding risk for the coastal communities around the pond and aim to restore and protect the habitats of the adjacent pond by improving water quality.

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Sunset Beach, California

**Scheff East Point Preserve Shoreline Stabilization through Scheff East Point Restoration (OH)**

Grantee: Put-in-Bay Township Park District  
 Grant Amount:..... \$76,250  
 Matching Funds:..... \$76,250  
 Total Project Amount:.....\$152,500  
 Complete engineering and permitting of natural shoreline restoration techniques at Scheff East Point Preserve. Project will create engineering plans for the removal of the foreign debris, the replacement of this debris with bioengineered natural materials, as well as potentially the construction of an offshore reef with natural materials and techniques to further protect the shoreline from erosive wave action while also creating space for in lake aquatic habitat for native mussels and fish.

**Designing a Network of Marsh Terrace Ridges to Achieve Restoration and Flood Resilience (VA)**

Grantee: City of Virginia Beach Department of Public Works  
 Grant Amount:.....\$135,124  
 Matching Funds:.....\$153,874  
 Total Project Amount:.....\$288,998  
 Project Summary:Develop design plans and secure permits for a network of marsh terrace ridges and perimeter breakwaters to restore at least 260 acres of marsh island and aquatic vegetation habitat that has historically provided both environment and flood reduction benefits to the surrounding community. Project will result in a community-supported, shovel-ready project that demonstrates the efficacy of the first-ever application of marsh terraces in the Mid-Atlantic region.

**Finalizing Design of a Loma Alta Slough Wetlands Enhancement Plan (CA)**

Grantee: City of Oceanside  
 Grant Amount:.....\$175,000  
 Matching Funds:.....\$175,000  
 Total Project Amount:.....\$350,000  
 Prepare a construction-ready coastal wetland restoration project in Southern California building off completed preliminary designs, stakeholder outreach, and permitting communications. Project will restore the hydrologic function of Loma Alta Slough, protecting surrounding critical coastal infrastructure from sea level rise and increased storm intensity, and will enhance species habitat while promoting education and conservation value to the community.

**RESTORATION AND MONITORING**

**Lower Quillayute River Restoration (WA)**

Grantee: Quileute Tribe  
 Grant Amount:..... \$1,500,000  
 Matching Funds:..... \$2,500,000  
 Total Project Amount:..... \$4,000,000  
 Implement restoration actions on the Quillayute River, through a combination of riverbank stabilization, construction of a boat launch serving the dual purposes of better access for tribal fishermen while reducing bank erosion, and excavation of side channels with placement of woody material to provide off-channel habitat for salmonids and other fish species. Project will restore floodplain connectivity, improve habitat, address erosion, and protect regionally vital infrastructure.

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Eastern painted turtles

**Restoring Ecologically Beneficial and Resilient Infrastructure at the Mouth of Maurice River (NJ)**

Grantee: American Littoral Society  
 Grant Amount:.....\$4,881,064  
 Matching Funds:.....\$7,035,088  
 Total Project Amount:.....\$11,916,152  
 Create hybrid living shoreline, hybrid rock revetment, oyster reefs, and ribbed mussel beds at the tip of Basket Flats and at Northwest Reach. Project will protect the inlet of the Maurice River and provide resiliency and ecological uplift by protecting marsh and creating new habitat.

**Building Living Islands to Enhance Shoreline Protection (MD)**

Grantee: National Wildlife Federation  
 Grant Amount:.....\$1,436,701  
 Matching Funds:.....\$1,437,959  
 Total Project Amount:.....\$2,874,660  
 Use a combination of natural and nature-based features including beach nourishment, dune restoration, cobble headland breakwaters, and the creation of five offshore living islands to mitigate impacts at several high-priority sites identified through the Town of Oxford’s Stormwater Management and Shoreline Protection Master Plans. Project will employ an innovative and holistic design approach to address flooding and erosion impacting the Town of Oxford.

**Creating Ridge Restoration and Reforestation along the Bayou Terre aux Boeufs (LA)**

Grantee: St. Bernard Parish Government  
 Grant Amount:.....\$2,599,028  
 Matching Funds:.....\$2,599,028  
 Total Project Amount:.....\$5,198,056  
 Install shoreline protection and Cypress and Tupelo forest along the Bayou Terre aux Boeufs ridge and other intersecting

bayous near Delacroix, Louisiana. Project will protect the remaining ridge through strategic armoring and reforestation.

**Building Community Resiliency through Ecological Restoration on the Hawaiian Island of Molokai**

Grantee: Hawaii Division of Forestry and Wildlife  
 Grant Amount:.....\$1,861,422  
 Matching Funds:.....\$2,110,778  
 Total Project Amount:.....\$3,972,200  
 Complete key components of a landscape-level restoration effort that the Molokai community has prioritized and progressively developed over the past 20 years in response to historical and ongoing pressure from increasing runoff and erosion rates in barren or non-native, fire-adapted grasses covered forests. Project will address major threats to essential community assets through the protection and restoration of native ecosystems and the construction of strategic firebreaks.

**Creating a Pensacola Bay Living Shoreline (FL)**

Grantee: Escambia County  
 Grant Amount:.....\$2,502,059  
 Matching Funds:.....\$9,375,000  
 Total Project Amount:.....\$11,877,059  
 Construct approximately 5,300 linear feet of emergent and submerged offshore reef breakwaters, 9 acres of sandy beach habitat, and create conditions to support natural recruitment and colonization of up to 22 acres of submerged aquatic vegetation habitat at Sherman Inlet located in southwestern Pensacola Bay. Project will complete restoration at Sherman Inlet and will benefit numerous finfish and shellfish species while enhancing coastal resiliency of Naval Air Station Pensacola.

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Mangrove forests near Naples, Florida

**Enhancing the Tidal Wetland Complex and Creating Habitat for Salmonids in the Elk River Estuary (CA)**

Grantee: California State Coastal Conservancy  
 Grant Amount:.....\$979,000  
 Matching Funds:.....\$2,017,853  
 Total Project Amount:.....\$2,996,853  
 Restore a 114 acre tidal wetland complex within Humboldt Bay to be self-sustaining over the long term in the face of projected sea level rise. Project will provide critical habitat for threatened salmonids and other listed species, act as a living shoreline to protect Highway 101 and an electrical power line from sea level rise and tidal flooding, and expand passive recreational opportunities and coastal access for the public.

**Building Resilience through Community Stewardship of Coral Reefs (FL)**

Grantee: National Marine Sanctuary Foundation  
 Grant Amount:.....\$4,958,494  
 Matching Funds:.....\$5,385,461  
 Total Project Amount:.....\$10,343,955  
 Restore coral reefs at Eastern Dry Rocks, one of seven focus sites of the Mission: Iconic Reefs initiative. Project will complete site preparation and maintenance for coral out-plantings through community engagement in site based activities, involve restoration practitioners from propagation to planting of elkhorn and staghorn corals, and complete monitoring during and after the project work period to inform impacts.

**Strengthening Coastal Resilience through Coral Reef Restoration (VI)**

Grantee: The Nature Conservancy  
 Grant Amount:.....\$1,204,552  
 Matching Funds:.....\$1,204,552  
 Total Project Amount:.....\$2,409,104  
 Restore coral reef habitat across 150 acres of marine protected area in East End Marine Park, St. Croix, U.S. Virgin Islands using a restoration approach that combines the culture and out planting of multiple species of corals produced, and a comprehensive monitoring program to promote effective restoration. Project will strengthen coastal and community resilience to extreme weather, waves, and flooding while expanding habitat for ecologically, commercially, and recreationally important fisheries.

**Increasing Access to Fish Habitat and Aquatic Connectivity through Stream Restoration (ME)**

Grantee: Maine Department of Marine Resources  
 Grant Amount:.....\$1,548,528  
 Matching Funds:.....\$1,583,708  
 Total Project Amount:.....\$3,132,236  
 Complete removal of one barrier and the partial removal and installation of a technical fishway within the Sabattus River, Maine. Project will reduce flooding risk attributed to catastrophic failure of derelict dams, reduce the barriers to fish passage in the Sabattus River and increase access to high quality fish habitat, increase overall aquatic connectivity in the Androscoggin River drainage, restore several river miles of impoundments to free-flowing river, and improve water quality.

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**Using Mangrove Restoration to Improve Coastal Community Resilience in Puerto Rico**

Grantee: University of Puerto Rico at Aguadilla  
 Grant Amount:.....\$596,268  
 Matching Funds:.....\$775,122  
 Total Project Amount:.....\$1,371,390  
 Restore 59 hectares in four hurricane-destroyed basin mangroves to improve storm protections and ecosystem services for three coastal communities in Puerto Rico through hazardous dead tree removal, tidal flow restoration, mangrove seedlings plantings, and monitoring equipment installation. Project will help protect more than 300 structures from storm surges, engage three communities, two universities and 500 volunteers, and implement an innovative shelterwood harvest system.

**Restoring Stream, Wetlands, and Floodplains of McCoys Creek (FL)**

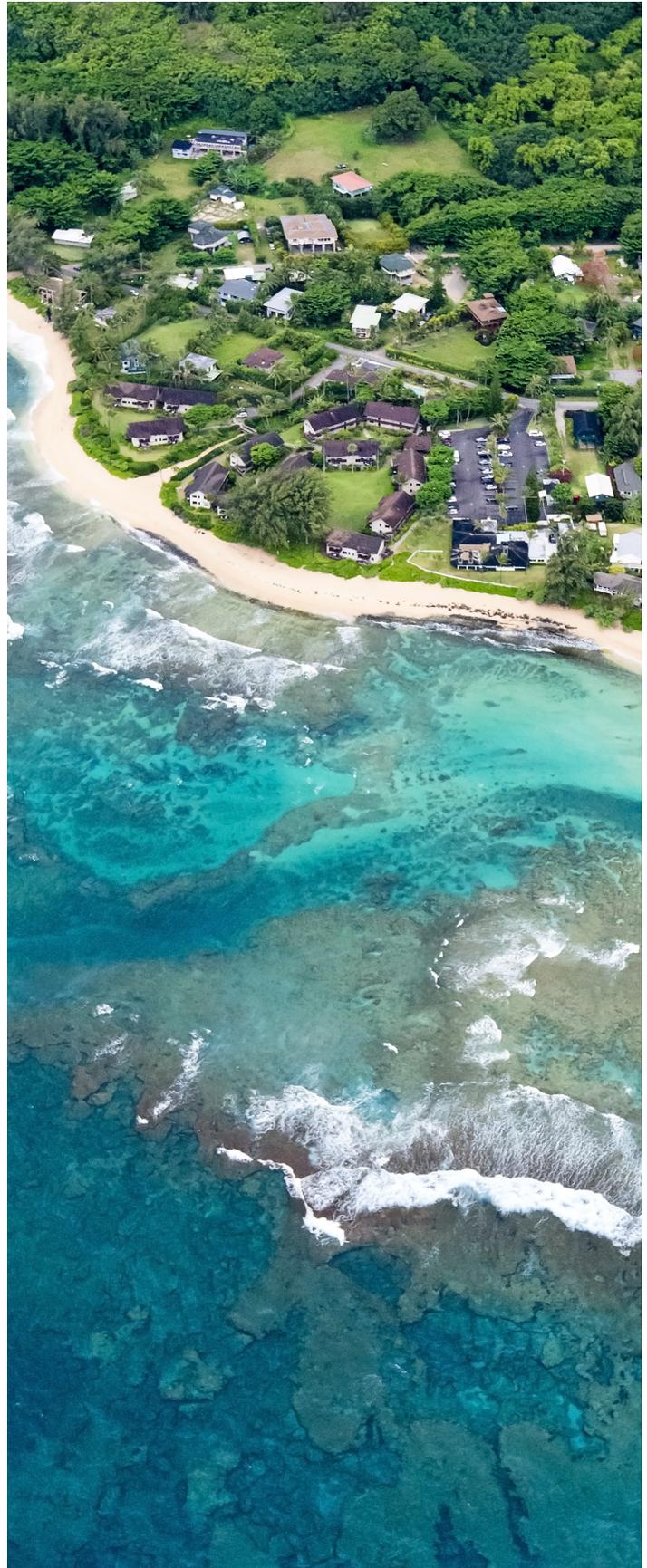
Grantee: City of Jacksonville, Florida  
 Grant Amount:.....\$4,300,000  
 Matching Funds:.....\$15,000,000  
 Total Project Amount:.....\$19,300,000  
 Restore McCoys Creek in Jacksonville, Florida, including 1 mile of stream and up to 35 acres of floodplain and wetlands using natural, nature-based features and materials, benefiting rock sea bass, summer flounder, crevalle jack, gray snapper, red drum, pink shrimp, brown shrimp and white shrimp. Project will complete restoration using a mixture of cypress and hardwood forests, freshwater ponds, and salt marsh vegetation as appropriate along the salinity gradient.

**Building Base Resilience and Enhancing Shoreline Protection on the York River (VA)**

Grantee: College of William and Mary, Virginia Institute of Marine Science  
 Grant Amount:.....\$1,000,000  
 Total Project Amount:.....\$1,000,000  
 Prepare engineer design plans for both phases of restoration and construction, construct shoreline erosion structures and force protection structures, perform baseline and monitoring surveys for shorelines in and around project area. Project will construct living shorelines and restore oyster reef at shorelines and subtidal waters on the York River.

**Building a Living Shoreline Along the Neuse River (NC)**

Grantee: North Carolina Coastal Federation  
 Grant Amount:.....\$1,000,000  
 Total Project Amount:.....\$1,000,000  
 Build a 1,667 linear foot living shoreline on base along the Neuse River. Project will improve water quality, create valuable habitat, and prevent erosion and mitigate flooding that would damage Cherry Points’s vital infrastructure.



Coastline in Kauai, Hawaii