



National Coastal Resilience Fund

NFWF CONTACTS

Michelle Pico
 Program Director,
 Marine Conservation
pico@nfwf.org
 262-567-0601

FUNDING PARTNERS

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

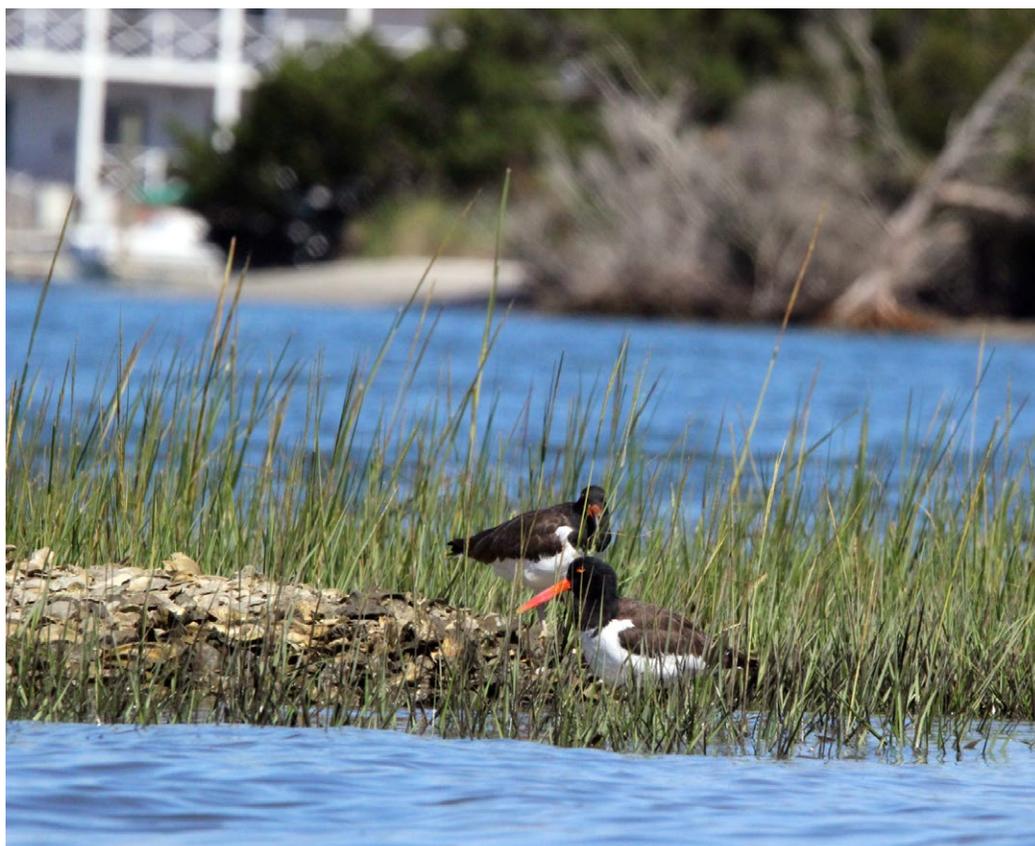
ABOUT NFWF

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 \$6.8 billion.

Learn more at www.nfwf.org

NATIONAL HEADQUARTERS

1133 15th Street, NW
 Suite 1000
 Washington, D.C., 20005
 202-857-0166



American oystercatchers along the coast of North Carolina

OVERVIEW

The National Fish and Wildlife Foundation (NFWF) and NOAA — joined by the U.S. Environmental Protection Agency, U.S. Department of Defense, Shell, TransRe, AT&T, and Occidental — announced \$39.5 million in new grants from the National Coastal Resilience Fund (NCRF) that will support coastal resilience projects in 28 states and U.S. territories. The 49 grants announced today will generate more than \$58.3 million in matching contributions for a total conservation impact of nearly \$97.8 million.

Established in 2018, the National Coastal Resilience Fund (NCRF) invests in conservation projects that restore or expand natural features such as coastal marshes and wetlands; dune and beach systems; oyster and coral reefs; coastal forests, rivers and floodplains; and barrier islands that minimize the impacts of storms and other naturally occurring events on nearby communities. The NCRF addresses four focus areas: 1) community capacity building and planning, 2) project site assessment and preliminary design; 3) final project design and permitting; and 4) restoration and monitoring.

Since the NCRF's launch in 2018, the fund has awarded more than \$135 million to 174 projects, leveraging more than \$211 million in conservation resources.

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COMMUNITY CAPACITY BUILDING AND PLANNING**Creating a Coastal Resilience Master Plan for the City of San Diego (CA)**

Grantee: City of San Diego

Grant Amount:..... \$250,000

Matching Funds:..... \$250,000

Total Project Amount: \$500,000

Develop a Coastal Resilience Master Plan to identify specific resilience and conservation needs along the San Diego coastline and develop a portfolio of nature-based solutions. Project will engage the public, analyze 10 sites based on risk and benefits, develop nature-based solutions for five of the most feasible locations, select a pilot project, and include a programmatic environmental impact report to analyze the effects of nature-based solutions along the coast.

Creating a Community Resilience Plan for Imperial Beach (CA)

Grantee: City of Imperial Beach

Grant Amount:..... \$250,000

Matching Funds:..... \$250,000

Total Project Amount: \$500,000

Design a community resilience plan for the City of Imperial Beach to address flooding in vulnerable populations that experience impacts related to coastal hazards. Project will create an adaptation management and monitoring plan that encourages nature-based solutions.

Salinas River Lagoon Community Engagement and Planning Project (CA)

Grantee: Monterey County Water Resources Agency

Grant Amount:..... \$200,329

Matching Funds:..... \$100,329

Total Project Amount: \$300,658

Build on existing plans by engaging stakeholders and surrounding communities to develop a portfolio of nature-based methods to reduce flood risk and improve resiliency in the Salinas River Lagoon. Project will evaluate existing conditions in the Lagoon with respect to flood control structures, land use, bathymetry, sensitive habitats and species, wave dynamics, and/or sediment transport; and prioritize nature-based or hybrid strategies and projects to support flood prevention and resilience.

Developing Community Resilience for Moloka'i Coastal Homesteads (HI)

Grantee: State of Hawai'i Dept. of Hawaiian Home Lands

Grant Amount:..... \$203,940

Matching Funds:..... \$103,940

Total Project Amount: \$307,880

Develop a resilience plan for homestead communities on the island of Moloka'i through scientific analyses and modeling of projected sea-level rise, flooding, groundwater upwelling and other increasing coastal hazards. Project will identify priorities for projects that will stabilize and restore shorelines, mitigate coastal flooding and sedimentation, and emphasize culturally grounded, nature-based solutions.

Utilizing a Traditional Framework to Minimize Floods in Maunaloa Bay Watersheds (HI)

Grantee: Mālama Maunaloa

Grant Amount:..... \$262,312

Matching Funds:..... \$279,000

Total Project Amount: \$541,312

Develop a plan utilizing an ahupua'a, a traditional division of land, concept to address flooding in several watersheds that feed into Maunaloa Bay, O'ahu, Hawai'i. Project will address the serious flooding issues confronting residential, commercial, and environmental resources surrounding Maunaloa Bay by reducing the volume of the stormwater runoff in priority areas through increased filtration with revegetation in natural areas and by slowing down or capturing the water from urban areas.

Designing Nature-Based Solutions to Protect Communities and Shorebird Habitat in Belle Isle Marsh (MA)

Grantee: Mystic River Watershed Association

Grant Amount:..... \$250,683

Matching Funds:..... \$737,000

Total Project Amount: \$987,683

Conduct hydrodynamic scenarios with modeling to project the range of future conditions in Belle Isle Marsh and explore nature-based solutions using the model outputs to protect the shoreline and over 250 bird species. Project will develop a hydrodynamic model, create a priority list of recommended interventions, and design concepts for the top three recommendations.

Capacity Building for Resilient Long-Term Planning in Greater Portland (ME)

Grantee: Greater Portland Council of Governments

Grant Amount:..... \$249,352

Matching Funds:..... \$259,985

Total Project Amount: \$509,337

Engage up to ten vulnerable Casco Bay coastal municipalities in a collaborative planning initiative that will produce resilience strategies and solutions by addressing environmental, social, and economic issues from a regional perspective. Project will begin plans for one regional coastal resilience plan, plus ten individual coastal Maine towns' comprehensive plans, to provide nature-based resilience solutions.

St. Marys River Coastal Wetland Resiliency (MI)

Grantee: Sault Sainte Marie Tribe of Chippewa Indians

Grant Amount:..... \$123,713

Matching Funds:..... \$221,431

Total Project Amount: \$345,144

Develop a comprehensive inter-agency resilience plan that prioritizes coastal wetlands for protection and restoration in the St. Marys River, Michigan. Project will complete a St. Marys River Resilience Plan and foster relationship building and collaboration among natural resources managers, stakeholders, and community members through participation at planning workshops.

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Big Sable Point Lighthouse on the Lake Michigan shoreline in Michigan

Strengthening Coastal Communities Resilience in the Great Lakes Region (multiple states)

Grantee: Association of State Floodplain Managers

Grant Amount:.....\$260,851

Matching Funds:.....\$264,529

Total Project Amount:\$525,380

Engage coastal shoreline communities in the Great Lakes region in a formal scenario-based process to identify local flood vulnerabilities and to convene complementary regional capacity building workshops to help participating communities prioritize strategies and projects that address identified vulnerabilities. Project will give coastal communities a better understanding of local coastal resilience issues and how to incorporate nature-based solution into plans, and build regional collaboration.

Facilitating Development of Coastal Resilience Projects for Great Lakes Shoreline Communities (multiples states)

Grantee: Great Lakes and St. Lawrence Cities Initiative

Grant Amount:.....\$380,000

Matching Funds:.....\$385,000

Total Project Amount:\$765,000

Enable communities to develop plans for projects that prevent or minimize impacts in coastal areas and facilitating collaboration on coastal resilience needs and opportunities. Project will work with coastal communities to assess critical coastal resilience needs; identify solutions for mitigating risks to community infrastructure; assess project feasibility; outline project development needs and funding; and provide direction on next steps to implement coastal resilience projects.

Expanding Resilient Coastal Communities Program (NC)

Grantee: North Carolina Department of Environmental Quality

Grant Amount:.....\$545,860

Matching Funds:.....\$616,000

Total Project Amount:\$1,161,860

Expand and build local capacity with North Carolina Resilient Coastal Communities Program through risk and vulnerability assessments, community engagement, project identification and prioritization, and the inclusion of 13 more communities within the state's coastal zone into the program. Project will build a resilience strategy for each community, including a vision, map of critical assets and natural infrastructure, risk and vulnerability assessment, and portfolio of prioritized projects.

Building Capacity for Coastal Resilience Analysis to Protect Communities and Tidal Wetlands (NH)

Grantee: New Hampshire Department of Environmental Services

Grant Amount:.....\$350,000

Matching Funds:.....\$350,000

Total Project Amount:\$700,000

Build upon the state guidance to develop a dynamic sea-level rise and storm surge model for coastal New Hampshire. Project will use the model to test the effectiveness of community-driven conceptual adaptation alternatives for eight transportation and local land use pilot projects, as well as publish best practices for conducting alternatives analyses that consider future flood conditions, social vulnerability, and nature-based designs that protect tidal wetlands.

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Stream running through a forest in southern Oregon

Developing Southern Oregon Forest Management to Improve Resiliency (OR)

Grantee: The Trust for Public Land
 Grant Amount:.....\$250,000
 Matching Funds:.....\$500,000
 Total Project Amount:\$750,000
 Develop forest management practices at scale in key watersheds to mitigate the impact of flooding from winter storm and low flows due to summer drought, while enhancing fish and wildlife habitat. Project will develop a comprehensive plan for management and restoration that will restore 100,000 acres of forestland in the Southern Oregon Coast Range and transition them out of industrial management to help stabilize hydrologic function.

Developing a Coastal Resilience Plan through Peer-to-Peer Learning in Lower Pee Dee River Basin (SC)

Grantee: New Alpha CDC
 Grant Amount:.....\$250,000
 Matching Funds:.....\$250,000
 Total Project Amount:\$500,000
 Develop a coastal resilience plan for low-income communities within the Lower Pee Dee Basin. Project will provide a prioritized set of strategies and projects where nature-based solutions may be implemented to reduce flooding risk and exposure; host a series of events to facilitate peer-to-peer learning and exchange on coastal resilience and civil rights; and transfer lessons learned to other environmental justice organizations in South Carolina.

Developing a Regional Community Resiliency Implementation Workplan (SC)

Grantee: Center for Heirs’ Property Preservation
 Grant Amount:.....\$400,000
 Matching Funds:.....\$452,500
 Total Project Amount:\$852,500
 Create a regional resiliency implementation workplan that will engage diverse stakeholders and build their capacity to plan and execute future resilience strategies, projects and other activities for the Lower Pee Dee Watershed. Project will identify and prioritize nature-based solutions to mitigate flooding, storm surge, sea-level rise risks, and other threats to local infrastructure, facilities and communities.

Collaborative Coastal Resilience Planning in Jefferson County (TX)

Grantee: Community In-Power and Development Association
 Grant Amount:.....\$233,965
 Matching Funds:.....\$137,518
 Total Project Amount:\$371,483
 Integrate community knowledge with multidisciplinary community planning, through a diverse partnership of local stakeholders, community planners, landscape architects, green infrastructure experts, and hydrologists. Project will develop a plan, priorities and strategies for building coastal resilience in West Port Arthur with a focus on nature-based solutions that protect human life while improving the region’s endangered and threatened wildlife habitats.



Oysters in Virginia

Community Driven Adaptation and Resilience Plan for Oyster (VA)

Grantee: The Nature Conservancy
 Grant Amount:.....\$243,629
 Matching Funds:.....\$243,837
 Total Project Amount:\$487,466
 Address the diversity of assets in Oyster Village to increase coastal resilience and protection for the community and its culture, preserve natural habitat and use nature-based solutions where possible. Project will facilitate a collaborative partnership with the community, stakeholders and an engineering consultant to identify risk, characterize that risk to community assets, develop an action plan and rank projects and estimate costs.

Creating a Coastal Resilience Plan for the Lummi Reservation (WA)

Grantee: Lummi Indian Business Council
 Grant Amount:.....\$96,706
 Matching Funds:.....\$96,707
 Total Project Amount:\$193,413
 Develop a coastal resilience strategy and project priority plan for the Lummi Reservation. Project will address high priority items identified in the Lummi Nation Climate Change Mitigation and Adaptation Plan 2016-2026 related to flood risk, water quality, salmon and shellfish harvest, instream flow, and protection of potable groundwater systems, and create a planning document to prioritize strategies.

Community-Based Hazards and Habitat Resilience Planning in the Columbia River Estuary (WA)

Grantee: Lower Columbia Estuary Partnership
 Grant Amount:.....\$259,888
 Matching Funds:.....\$301,762
 Total Project Amount:.....\$561,650
 Conduct outreach and adaptation planning workshops to identify and prioritize site-specific project concepts to strengthen ecological and community resilience in the Columbia River estuary. Project will develop relationships, capacity, and common understanding across local, state and federal stakeholders; advance projects to be ready for additional assessment, design and implementation; and support planning for restoration of critical tidal floodplain habitat for juvenile salmonids.

PROJECT SITE ASSESSMENT AND PRELIMINARY DESIGN Fluvial Mainstem Site Assessment and Conceptual Design for the Elk River (CA)

Grantee: California Trout
 Grant Amount:.....\$573,103
 Matching Funds:.....\$400,000
 Total Project Amount:.....\$973,103
 Conduct a site assessment of the Elk River, consult with landowners and regulatory partners, and prepare conceptual designs in collaboration with landowners and agency scientists. Project will create engineering designs that would rehabilitate 6.1 miles of mainstem salmonid habitat, tens of acres of riparian habitat, rehabilitate four tributary confluences, and protect approximately 15 homes and four bridges from nuisance flooding.

Palmetto Beach Living Coastline and Community Engagement (FL)

Grantee: City of Tampa

Grant Amount:.....\$200,000

Matching Funds:.....\$200,000

Total Project Amount:.....\$400,000

Design a living shoreline and/or off-shore breakwater coastal habitat that incorporates future sea level projections, port expansion, ecosystem needs and asset value for the community. Project will create a new model for data collection, visualization and communication to facilitate community dialogue.

Restoring Hydrologic Connectivity of Mangrove Wetlands to Improve Habitat Resilience in Florida

Grantee: Bonefish & Tarpon Trust

Grant Amount:.....\$250,000

Matching Funds:.....\$250,000

Total Project Amount:.....\$500,000

Design two mangrove habitat restoration projects in Collier County, which will restore the ability of these habitats to buffer against sea-level rise and storm effects as well as protecting coastal communities and recreational fisheries. Project will include wetland characterization, sensitive species surveys, historic imagery review, hydrological monitoring, tidal conditions assessments, wildlife evaluations, and overall preliminary habitat restoration designs.

Conducting Site Assessments and Planning to Address Recurring Coastal Flooding (HI)

Grantee: Maui Nui Marine Resource Council

Grant Amount:.....\$210,000

Matching Funds:.....\$225,000

Total Project Amount:.....\$435,000

Conduct site assessments and planning of proposed nature-based solutions, including Regenerative Stormwater Conveyance methods, to address recurring stormwater flooding in Hapapa watershed impacting the coastal community of Kihei, Hawai'i. Project will create a workplan for site design, with the goal of preventing property and infrastructure damage due to stormwater flooding and protecting wetland bird habitat, native plant species, nearshore coral reef ecosystems and marine wildlife.

Developing a Wetlands Restoration Design in the Grand Bayou Community (LA)

Grantee: Louisiana Coastal Protection and Restoration Authority

Grant Amount:.....\$686,088

Matching Funds:.....\$686,088

Total Project Amount:.....\$1,372,176

Develop designs to create new wetland habitat and restore degraded marsh on up to 1,500 acres of the Grand Bayou Canal to maintain ecosystem function and reduce storm surge damage risk. Project will conduct the preliminary design for restoration and conduct a data inventory and needs assessment, land rights investigation, and geotechnical investigations.

Designing a Rowel Branch Watershed Protection Plan (NC)

Grantee: Town of Navassa

Grant Amount:.....\$110,480

Matching Funds:.....\$263,300

Total Project Amount:.....\$373,780

Use nature-based solutions to reduce flood-risk and improve resiliency for community residents while restoring, enhancing, and conserving ecologically significant streams and wetlands in the Rowel Branch Watershed. Project will incorporate both traditional stream channel restoration methods for flood-risk reduction and innovative bioretention and stormwater wetland management designs in specific segments obstructed by historical fill and recent storm debris.

Restoring Bay Islands for Community Resiliency (NJ)

Grantee: Long Beach Township

Grant Amount:.....\$89,691

Matching Funds:.....\$107,540

Total Project Amount:.....\$197,231

Conduct site assessments and create preliminary design for five islands, with the dual purpose of ecological health and community resilience. Project will target assessment of islands that buffer the Township and in preparation for final design and construction, will obtain regulator input at a permit pre-application meeting and develop construction cost estimates.

Creating a Centralized Nature-Based Resilience Program for Rhode Island

Grantee: Rhode Island Infrastructure Bank

Grant Amount:.....\$249,896

Matching Funds:.....\$6,592,913

Total Project Amount:.....\$6,842,809

Expand Rhode Island's Shoreline Adaptation Inventory and Design program and incorporate it into the Municipal Resilience Program at Rhode Island Infrastructure Bank. Project will provide expanded nature-based design technical assistance to municipalities through a statewide program providing resilience workshops, project prioritization, and construction funding.

Designing Pocket Prairies to Reduce Flood Risk in Houston (TX)

Grantee: City of Houston

Grant Amount:.....\$200,000

Matching Funds:.....\$200,000

Total Project Amount:.....\$400,000

Conceptualize five sites as pocket prairies that will reduce flood risk by relieving stormwater systems and restore wetlands and prairies in highly developed areas. Project will use the action plans as a guide to select priority sites and develop the conceptual designs, which will serve as pilots to develop a replicable and scalable model for future design and implementation.

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Homes and dunes in North Carolina

PROJECT FINAL DESIGN AND PERMITTING

Designing Wetland Restoration for South Wilmington (DE)

Grantee: City of Wilmington, Delaware
 Grant Amount:.....\$475,000
 Matching Funds:.....\$1,725,000
 Total Project Amount:.....\$2,200,000

Expand the design of 8-10 acres of degraded wetland to restore the site to a high functioning freshwater tidal wetland habitat. Project will further reduce flooding, enhance resiliency, restore freshwater tidal exchange, filter polluted runoff, improve soil and water quality, and restore habitat for a variety of fish and wetland and aquatic wildlife.

Planning Coastal Resilience and Ecosystem Restoration at Tyndall Air Force Base (FL)

Grantee: The Nature Conservancy
 Grant Amount:.....\$4,800,000
 Matching Funds:.....\$750,000
 Total Project Amount:.....\$5,550,000

Design the reconstruction of Tyndall Air Force Base through restoring dunes, salt marshes, and oyster reefs to make the base more resilient and provide habitat for coastal resident and migratory species. Project will gather data and develop engineering designs and permits to implement four projects to enhance habitats critical for biodiversity and military infrastructure resilience along 6,000 feet of shoreline.

Designing a Middle Branch Resiliency Initiative in Harbor Hospital Wetlands (MD)

Grantee: South Baltimore Gateway Partnership
 Grant Amount:.....\$650,000
 Matching Funds:.....\$670,000
 Total Project Amount:.....\$1,320,000

Design a living shoreline and finalize plans to re-establish 7 acres of aquatic habitat for migratory birds along the North Atlantic Flyway and protect a waterfront hospital in Baltimore City, Maryland. Project will reduce the risk of coastal flooding, increase resilience to sea-level rise in vulnerable areas, and restore habitat for wildlife.

Completing Design Plans to Improve Natural Infrastructure in Currituck Sound (NC)

Grantee: National Audubon Society
 Grant Amount:.....\$210,267
 Matching Funds:.....\$211,635
 Total Project Amount:.....\$421,902

Complete final engineering design and secure permits for four nature-based marsh restoration pilot projects in Currituck Sound, to mitigate marsh habitat loss and enhance community resilience to storm surge and flooding. Project will preserve the integrity of two marsh complexes totaling 3,481 acres of bird habitat that also provide protection for at least seven critical infrastructure sites and 1,658 residential properties in Currituck and Dare counties.

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Designing a Nature-based Shoreline for Naval Weapons Station Earle (NJ)

Grantee: NY/NJ Baykeeper

Grant Amount:.....\$621,576
 Matching Funds:.....\$1,122,049
 Total Project Amount:.....\$1,743,625

Advance an innovative nature-based design for 3,200 linear feet of shoreline stabilization, coastal protection, and habitat enhancement along the Raritan Bay coast adjacent to U.S. Naval Weapons Station Earle. Project will progress the goal of stabilizing the station's shoreline and protecting the surrounding community through oyster castles and marsh restoration to dampen wave energies, mitigate storm surge, reduce erosion, and initiate beneficial sediment accretion along the coastline.

Restoring the Rockaway Waterfront Dunes - Phase II (NY)

Grantee: Rockaway Waterfront Alliance

Grant Amount:.....\$455,847
 Matching Funds:.....\$487,416
 Total Project Amount:.....\$943,263

Develop a final design to enhance 4.3 miles of coastal dunes along the Atlantic shoreline through an integrated community-driven framework. Project will use innovative, nature-based practices and engage with community-based organizations in shoreline enhancement, management and monitoring while making the community and its dune system more resilient.

Cleveland Harbor Eastern Embayment Resilience Design and Engineering (OH)

Grantee: Cleveland Metroparks

Grant Amount:.....\$985,000
 Matching Funds:.....\$985,000
 Total Project Amount:.....\$1,970,000

Design a plan for 79 acres of new in-water and nearshore habitat and public parkland along Cleveland's Lake Erie shoreline. Project will develop construction documents for the two project areas that will build habitat and expand parks, protecting the critical infrastructure of Interstate 90 along the shore, and stabilizing the unpredictable wave action adjacent to key recreation and transportation facilities.

Designing Riparian Restoration and Floodplain Improvement of Franklin D. Roosevelt Park (PA)

Grantee: Fairmount Park Conservancy

Grant Amount:.....\$250,000
 Matching Funds:.....\$250,000
 Total Project Amount:.....\$500,000

Complete the final design and permitting for the Franklin D. Roosevelt Park Riparian Restoration and Floodplain Improvement Project. Project will result in the design and permitting required to expand and restore 4,700 linear feet of Shedbrook Creek and dredge Edgewood and Meadow Lakes.

Building Coastal Communities Resilience in Culebra (PR)

Grantee: Protectores de Cuencas

Grant Amount:.....\$164,561
 Matching Funds:.....\$168,940
 Total Project Amount:.....\$333,501

Design a fringing reef to restore and expand seagrass and mangrove habitats to reduce current flood risks and adapt to projected sea-level rise. Project will improve residents' access to critical infrastructure, enhance marine ecosystem habitats, engage government agencies, municipal government, and local communities in project design, implementation and subsequent monitoring and care.

Designing a Big Quilcene River Restoration on the Lower One Mile (WA)

Grantee: Hood Canal Salmon Enhancement Group

Grant Amount:.....\$572,500
 Matching Funds:.....\$528,270
 Total Project Amount:.....\$1,100,770

Develop the final design of an integrated floodplain protection and restoration project on the Big Quilcene River. Project will provide a design for flood risk reduction, salmon habitat restoration, channel migration zone protection, education, and community economic vitality, which would eliminate flood risks while simultaneously restoring habitat for several salmon species that utilize the lower Big Quilcene River.

RESTORATION AND MONITORING

Deer River Coastal Marsh Stabilization and Restoration (AL)

Grantee: Marine Environmental Sciences Consortium / Dauphin Island Sea Lab

Grant Amount:.....\$3,225,000
 Matching Funds:.....\$16,034,511
 Total Project Amount:.....\$19,259,511

Stabilize 5,600 feet of shoreline along a vulnerable saltmarsh near Deer River, restore 30 acres of marsh, and improve water quality in the Middle Fork of Deer River by closing a breach and dredging silted-in portions, allowing it to flow its full length. Project will address the stressors underlying the shoreline erosion with engineered headland breakwaters and pile-supported breakwaters, enhancing the long-term resilience of nearby residents and industrial assets.

Restoration and Protection of Coastal Wetlands in Native Village of Napakiak (AK)

Grantee: Native Village of Napakiak

Grant Amount:.....\$3,000,000
 Matching Funds:.....\$2,489,155
 Total Project Amount:.....\$5,489,155

Prevent the contamination of the Kuskokwim River ecosystem by restoring 17 acres of coastal wetlands and riparian habitat in the Yukon Delta National Wildlife Refuge. Project will construct 12 nature-based natural infrastructure house pads from locally-sourced sand and gravel; relocate and decommission 35 threatened structures, and; revegetate the 7.6 acres by planting native grasses and local willow cuttings.



San Francisco Bay

Constructing a Living Shoreline for West Bay Sanitary District (CA)

Grantee: West Bay Sanitary District
 Grant Amount:..... \$3,953,058
 Matching Funds:..... \$5,487,578
 Total Project Amount:..... \$9,440,636

Create a living shoreline to protect the West Bay Sanitary District’s existing facilities, underserved residents, and San Francisco Bay water quality from the current 100-year floodplain and future sea-level rise, at the Menlo Park Flow Equalization Facility and Resource Recovery site. Project will construct approximately 1,200 feet of living shoreline, 3,400 feet of sheet pile walls, conserve 0.8 acre of salt marsh, and create an additional 3.5 acres of habitat along San Francisco Bay.

Enhancing Flood Mitigation Through Invasive Species Control for a Resilient Ala Wai Watershed (HI)

Grantee: State of Hawai’i, Department of Land and Natural Resources
 Grant Amount:..... \$1,640,830
 Matching Funds:..... \$1,659,277
 Total Project Amount:..... \$3,300,107

Mitigate flood risks in the Ala Wai watershed on O’ahu by controlling invasive plant species and accelerating the complete eradication of miconia from O’ahu. Project will control and monitor an estimated 1,000 albizia trees across 669 acres, treat all miconia plants detected during surveys across 4,000 acres, and treat mule’s foot ferns across 200 acres.

Port Fourchon Terracing and Living Shoreline Project (LA)

Grantee: Ducks Unlimited
 Grant Amount:..... \$1,150,000
 Matching Funds:..... \$1,150,000
 Total Project Amount:..... \$2,300,000

Construct earthen terraces, plant black mangroves and smooth cordgrass, and install a living shoreline protection feature in fragmented, deteriorated marsh adjacent to Port Fourchon in Lafourche Parish, Louisiana. Project will enhance and protect 500 acres of salt marsh and contribute to the resiliency of critical infrastructure in Port Fourchon, such as a section of Highway 1 that leads to Grand Isle, Louisiana.

Restoration of Sankofa Wetland Park (LA)

Grantee: Sankofa Community Development Corporation
 Grant Amount:..... \$1,725,000
 Matching Funds:..... \$1,625,000
 Total Project Amount:..... \$3,350,000

Restore 40-acres of coastal wetlands by removing over 3,000 invasive plant species, planting 40 acres of native vegetation with 10,000 native plants, including cypress and tupelo trees, and building a retention pond to store over 8,000,000 gallons of water. Project will improve water quality, attract birds and wildlife by restoring their natural habitats, and retain and store floodwaters to mitigate flood damage and climate change in the Lower Ninth Ward.

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Marsh in Massachusetts

Restoration and Enhancement of Coastal Resiliency of the Town River (MA)

Grantee: Town of Bridgewater
 Grant Amount:.....\$2,285,000
 Matching Funds:.....\$2,285,500
 Total Project Amount:.....\$4,570,500
 Remove an obsolete dam and replace an undersized, aging road-stream crossing that are barriers to aquatic organism passage in the watershed of the federally declared Wild and Scenic Taunton River. Project will restore access between the Atlantic Ocean to the Hockomock Swamp and will increase community resiliency by removing hazardous flood conditions caused by these structures.

Restoration and Reconnection of the Monaquot River (MA)

Grantee: Town of Braintree
 Grant Amount:.....\$2,535,000
 Matching Funds:.....\$2,536,000
 Total Project Amount:.....\$5,071,000
 Remove two obsolete and aging dams which block aquatic organism passage on the Monaquot River in Braintree, Massachusetts. Project will reconnect 36 upstream miles of unimpeded access for river herring, American eel, and sea lamprey and improve access to 180 acres of river herring spawning and rearing habitat which will strengthen community resiliency by reducing flooding risk, protecting nearby infrastructure, and providing protection from storm flows.

Building Coastal Resiliency for the Broader Great Marsh System of New Hampshire and Massachusetts

Grantee: University of New Hampshire
 Grant Amount:.....\$1,519,207
 Matching Funds:.....\$1,575,406
 Total Project Amount:.....\$3,094,613
 Stabilize dunes across the five barrier beach towns of Great Marsh, complete marsh restoration efforts in the Hampton-

Seabrook estuary, conduct a sediment placement pilot in Great Bay estuary, and create a scholarship initiative focused on climate adaptation across the states. Project will preserve and strengthen the resiliency of broader Great Marsh and reduce human vulnerability to the growing risks from coastal storms and sea-level rise, with direct benefits to fish and wildlife.

Restoring the Ecological Resiliency of the Kickemuit River Estuary (RI)

Grantee: Bristol County Water Authority
 Grant Amount:.....\$1,391,000
 Matching Funds:.....\$1,401,234
 Total Project Amount:.....\$2,792,234
 Remove two dams on the Kickemuit River to provide community and ecological resiliency benefits by increasing flood storage capacity of the wetlands, reducing flooding of infrastructure, restoring a tidal estuary, enhancing habitat for estuarine and anadromous species, hydrologically re-connecting the watershed to the estuary and improving water quality. Project will restore salt and brackish marsh habitat in both the lower and upper impoundments and will create an area for salt marsh migration.

Mineral Springs Creek Resiliency and Habitat Restoration (WI)

Grantee: Ozaukee County, Wisconsin
 Grant Amount:.....\$404,500
 Matching Funds:.....\$404,500
 Total Project Amount:.....\$809,000
 Restore aquatic connectivity in a degraded stream and riparian corridor and protect critical infrastructure on Mineral Springs Creek. Project will re-grade and plant the ravine corridor and raise the stream bed elevation with rocky substrate to stabilize the stream during flood events, protect infrastructure, improve aquatic organism passage, and enhance in-stream and riparian habitat for native fish and wildlife.