National Coastal Resilience Fund

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PROGRAM PARTNERS

- NOAA
- U.S. Department of Defense
- Shell USA
- TransRe
- Oxy
- Salesforce

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 6,000 organizations and generated a total conservation impact of $8.1 billion.

Learn more at **www.nfwf.org**

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OVERVIEW

The National Fish and Wildlife Foundation (NFWF) and the National Oceanic and Atmospheric Administration (NOAA), joined by the U.S. Department of Defense, Shell USA, TransRe, Oxy and Salesforce announced a November 2023 round of funding for National Coastal Resilience Fund (NCRF) projects. NFWF awarded 109 new or continuing coastal resilience grants totaling more than $144 million. The grants will leverage more than $97 million in matching contributions for a total conservation impact of $242 million.

Established in 2018, the 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 and rivers, floodplains, and barrier islands that minimize the impacts of storms, sea level rise and other coastal hazards 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 implementation.

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ALASKA

Building a Community Climate Risk Assessment Program (AK)

Grantee: Alaska Native Tribal Health Consortium
Grant Amount:.....$4,066,100
Matching Funds:.....$0
Total Project Amount:.....$4,066,100
Build community capacity to conduct extensive community specific data collection and analyses that will assist Alaska Native communities to make informed long-term decisions and develop solutions that are feasible and cost effective. Project will create a voluntary statewide data and risk assessment program to serve Alaska Native communities and enable them to advance to design and implementation for long-term resilience.

Creating a Master Plan for Resiliency in Village of Alakanuk (AK)

Grantee: Village of Alakanuk
Grant Amount:.....$539,400
Matching Funds:.....$0
Total Project Amount:.....$539,400
Create a Resilience Master Plan for the Native village of Alakanuk. Project will build resiliency within the community of Alakanuk for future projects and funding, protect the subsistence lifestyles of its Yup'ik residents, prepare for community concerns of erosion and flooding, and protect the most productive wildlife habitat in the Yukon Delta National Wildlife Refuge.

Designing a Hybrid Living Reef to Build Flood Resiliency in Seward, Alaska

Grantee: Chugach Regional Resources Commission
Grant Amount:.....$438,100
Matching Funds:.....$0
Total Project Amount:.....$438,100
Design nature-based solutions to protect and enhance coastal areas from erosion and flood events, safeguarding the Alutiiq Pride Marine Institute, an important Tribal shellfish hatchery and essential salmon habitat. Project will develop preliminary design for a hybrid living shoreline and serve as proof of concept to be translated to other Alaskan communities.

Designing Innovative Nature-Based Solutions to Improve Habitat and Build Resiliency in Kake, Alaska

Grantee: Organized Village of Kake
Grant Amount:.....$777,900
Matching Funds:.....$150,000
Total Project Amount:.....$927,900
Complete final design and permitting for innovative nature-based solutions such as kelp/seaweed mariculture, shellfish garden creation, and herring and shellfish seeding that will enhance coastal habitats and build resiliency for the local Tribal community. Project will result in the development of plans for a 50-acre living shoreline near Kake that will provide jobs, reduce risks from coastal hazards and make subsistence foods safely accessible year round.

Yakutat Tlingit Tribe Restoration and Stewardship Planning on Ancestral Homelands (AK)

Grantee: Yakutat Tlingit Tribe
Grant Amount:.....$1,000,000
Matching Funds:.....$0
Total Project Amount:.....$1,000,000
Collect aerial imagery data in four key watersheds in Tribal ancestral territory, create a restoration action plan to prioritize restoration sites, develop partnerships, and engage community and expand stewardship employment opportunities to support the most vulnerable Alaskan communities. Project will help plan for stabilization and restoration of river systems and critical habitats essential to Tribal economies and culture.

CARIBBEAN

Assessing Coral Nursery and Restoration to Increase Community Resilience in Puerto Rico

Grantee: Sail for Reefs
Grant Amount:.....$500,000
Matching Funds:.....$33,900
Total Project Amount:.....$533,900
Conduct reef assessment and viability testing to determine "go/no-go" status of future large-scale coral restoration efforts in the San Juan Metro Reef. Project will develop the design for a land-based coral nursery and increase the resilience of coastal communities in Loiza, Carolina and San Juan, while increasing capacity for training new local restoration practitioners.

Seward, Alaska

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Building Capacity for Ridge to Reef Resiliency in Puerto Rico's Moist Forest
Grantee: Ahora
Grant Amount:. $671,100
Matching Funds:. $331,000
Total Project Amount:. $1,002,100
Prioritize restoration projects within the tropical moist broadleaf forest ecoregion of central eastern Puerto Rico that will benefit threatened species such as the Puerto Rican broad-winged hawk, the Puerto Rican boa, and the capa rosa, and build ridge to reef resiliency. Project will empower five community leaders, enlist 500 volunteers, conduct community education and outreach events, and produce a coastal resilience implementation plan to guide the community.

Designing Ridge to Reef Resilience in Coral Bay to Mitigate Flood Risk to Critical Assets (VI)
Grantee: Coral Bay Community Council
Grant Amount:. $836,500
Matching Funds:. $188,000
Total Project Amount:. $1,024,500
Design comprehensive resiliency solutions that improve the use of flat lands in Coral Bay to protect and enhance community infrastructure and critical mangrove, seagrass and coral reef ecosystems that can benefit species such as shorebirds, pelicans, coral and sea turtles. Project will mitigate sediment deposition and flooding to improve resiliency against threats from urbanization, flooding, storm surge and sea-level rise.

Developing a Comprehensive Blight Mitigation and Habitat Restoration Plan in Caño Martín Peña (PR)
Grantee: Centro para la Reconstrucción del Hábitat
Grant Amount:. $292,200
Matching Funds:. $0
Total Project Amount:. $292,200
Enhance the knowledge and skills of community members regarding climate change resilience, blight mitigation, and habitat restoration in eight coastal communities surrounding the Martín Peña Channel. Project will empower community leaders to actively participate in creating a comprehensive resilience plan that incorporates nature-based solutions in specific scattered sites to ensure a sustainable environment and resilient future for the communities.


Green sea turtle in the U.S. Virgin Islands

GREAT LAKES

Accelerating Final Designs for Coastal Resilience of Northern Tribes on the Great Lakes (MI)
Grantee: Superior Watershed Partnership
Grant Amount:. $386,500
Matching Funds:. $10,000
Total Project Amount:. $396,500
Conduct comprehensive field inventories, site inspections, and engage Great Lakes coastal Native American Tribes to prioritize resiliency projects to restore and enhance coastal habitat that can also benefit migratory birds and important pollinator species. Project will result in three Tribal communities having comprehensive field inventory, site plans and final design proofs for coastal resilience projects to advance projects through the pipeline towards implementation.

Assisting Community-Based Organizations Plan for Resilience in the Great Lakes (IL, IN, MN, OH)
Grantee: Anthropocene Alliance
Grant Amount:. $392,500
Matching Funds:. $308,400
Total Project Amount:. $700,900
Assist 10 community-based organizations in the Great Lakes region plan for improved coastal resilience by identifying and prioritizing nature-based solutions to restore ecosystems, protect communities and improve habitats for species like the piping plover, Hine's emerald dragonfly, gray wolf and Canada lynx. Project will prepare a road map for the next steps in implementation, facilitating regional scaling, and transferability of work.

Community-Driven Assessment and Design for Wetland Restoration in Little Calumet (IN)
Grantee: The Wetlands Initiative
Grant Amount:. $269,000
Matching Funds:. $160,300
Total Project Amount:. $429,300
Assess and develop designs for reestablishing natural water patterns and wetland restoration on the Chase Street Complex by engaging local community groups and stakeholders. Project will result in 60 percent design to transform an 800 acre parcel along an urban flood control corridor in Northwest Indiana benefiting the surrounding environmental justice communities by increasing biodiversity and climate resilience.

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Creating a Resilient and Sustainable Valley Creek Corridor (WI)
Grantee: City of Port Washington
Grant Amount:. $915,000
Matching Funds:. $130,000
Total Project Amount:. $1,045,000
Identify nature-based solutions to mitigate Valley Creek's unstable condition, while building ecosystem and community resiliency within an important Lake Michigan coastal tributary. Project will develop 60 percent designs for 1.8 miles of urban stream restoration, two culvert upgrades, daylighting of the 550 foot box culvert, and restoration of the estuary and floodplain wetland.

Developing Final Designs for Chicago-Calumet River Shallows Restoration (IL)
Grantee: Friends of the Chicago River
Grant Amount:. $631,400
Matching Funds:. $60,000
Total Project Amount:. $691,400
Create an aquatic habitat installation-ready engineering and design plan for the Chicago-Calumet River system shoreline to build resiliency and restore natural habitat for fish, fowl, mammals, macroinvertebrates and other species in the recovering river. Project will identify areas to improve stormwater infiltration, habitat, and shoreline stabilization through the installation of native plant species and collaborate with four government agencies and 75 community participants.

Engaging Communities in Resilience Planning along Cuyahoga River, Euclid Creek, and Lake Erie (OH)
Grantee: Northeast Ohio Black Health Coalition
Grant Amount:. $497,400
Matching Funds:. $16,500
Total Project Amount:. $513,900
Engage residents to identify and prioritize nature-based solutions that enhance resilience and protect wildlife habitat for species like the walleye, muskellunge and steelhead in Cuyahoga River, Euclid Creek and Lake Erie. Project will engage five community leaders and develop a plan that prioritizes up to 10 nature-based resiliency projects for site assessment, design, and funding, serving as a road map for community-based organizations to effectively navigate the pipeline to implementation.

Engaging Southern Lake Erie Community on Development of a Coastal Resilience Plan (OH)
Grantee: Conneaut Port Authority
Grant Amount:. $357,000
Matching Funds:. $24,500
Total Project Amount:. $381,500
Engage community members and stakeholders in identifying nature-based project opportunities to protect vital infrastructure and create additional fish and wildlife habitat along a 3 mile stretch of Lake Erie shoreline. Project will connect with the public through public town-hall meetings and online communication portals and work with project stakeholders and regulatory agencies to build a coastal resilience plan for Conneaut, Ohio.

Integrating Nature-Based Solutions into a Comprehensive Stormwater Strategy (MI)
Grantee: The Regents of the University of Michigan
Grant Amount:. $499,300
Matching Funds:. $500,000
Total Project Amount:. $999,300
Plan a hybrid approach to integrate complex existing infrastructure systems with regional nature-based solutions that will create habitat and equitable community benefits. Project will leverage open space assets in southeast Michigan as a climate adaptation strategy to address catastrophic flooding.

Planning Coastal Resilience for the Community and Environment along the Fox River (WI)
Grantee: City of Green Bay
Grant Amount:. $741,200
Matching Funds:. $82,500
Total Project Amount:. $823,700
Develop a preliminary engineering design based on site evaluation, wave analysis, survey activities and other assessments to build resiliency along Renard Island, Fox River and Lower Green Bay. Project will result in 60 percent design to reduce flood risk and expand habitats, while allowing for waterfront public access and recreation.

Planning a Resilient East Side Detroit (MI)
Grantee: Detroit Water and Sewerage Department
Grant Amount:. $180,000
Matching Funds:. $480,000
Total Project Amount:. $660,000
Create a resiliency plan for the lower East Side of Detroit to improve infrastructure capacity through nature-based solutions. Project will evaluate the role of nature-based solutions in reducing the exposure of at-risk communities to flooding while providing fish and wildlife habitat through the recreation of historic wetland systems and naturalization of an armored channel.

Planning for Wetland and Stream Restoration in the Heilman Ditch-Swan Creek Subwatershed (OH)
Grantee: Junction Coalition
Grant Amount:. $607,900
Matching Funds:. $25,600
Total Project Amount:. $633,500
Prioritize projects suitable for wetland conservation and floodplain reconnection within a vital wildlife corridor in Toledo that supports rare species such as the blue-spotted salamander, lake sturgeon and lark sparrow. Project will engage residents of marginalized communities to identify and prioritize nature-based solutions that enhance resilience such as wetland, stream, riparian buffer restoration, floodplain reconnection and reforestation.

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GULF

Assessing Shoreline at Old River Cove to Create a Plan for Marsh Restoration (TX)
Grantee: Ducks Unlimited
Grant Amount:.....$275,500
Matching Funds:.....$0
Total Project Amount:.....$275,500
Conduct site assessment and preliminary engineering to create a project design and cost estimate for future phases of work for restoration of rock breakwater along the shoreline of Lower Neches wildlife management area at Old River Cove. Project will lead to eventual construction of a rock breakwater that will protect, enhance and restore coastal marsh and prairie habitat that also provides for storm surge abatement for the nearby town of Bridge City, Texas.

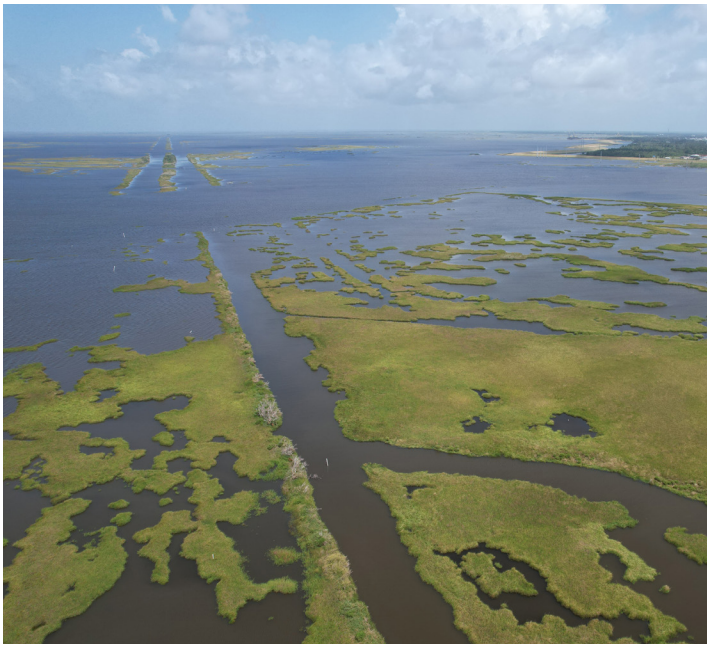
Building Capacity for a Community-Driven Coastal Resilience Plan in St. James Parish (LA)
Grantee: Pontchartrain Conservancy
Grant Amount:.....$450,000
Matching Funds:.....$103,100
Total Project Amount:.....$553,100
Collaborate with community members to draft a coastal resilience plan focused on sustainability and transferability to improve habitat for wildlife and coastal resilience for local communities. Project will identify coastal planning needs, create accessible coastal hubs, and develop a resilience plan for the Parish to create a habitat for 100 migratory avian species and reduce flooding risks for the community.

Community-led Resilience Planning for Habitat Restoration in the Mississippi Sound
Grantee: Buy-In Community Planning
Grant Amount:.....$300,000
Matching Funds:.....$68,700
Total Project Amount:.....$368,700
Create a community-led resilient relocation and restoration plan to improve wetland habitat along the bayous of high-risk residential neighborhoods in Pascagoula, Mississippi. Project will work with local government to develop a first-of-its-kind plan to increase community resilience for flood-prone and polluted communities that aim to restore estuarine, marine, shrub wetlands and freshwater forests.

Conducting Data Inventory and Needs Assessment in Orleans Parish for Living Shoreline (LA)
Grantee: Louisiana Coastal Protection and Restoration Authority
Grant Amount:.....$1,142,500
Matching Funds:.....$114,000
Total Project Amount:.....$1,256,500
Perform data inventory and needs assessment, land ownership investigation, survey and geotechnical investigations, cultural resources investigation, alternatives analysis and preliminary design of living shoreline features. Project will, once implemented, protect shoreline from wind-induced wave erosion, sustain and augment fisheries habitat, buffer against storms and limit wave fetch to reduce vegetation loss.

Constructing Living Shorelines and Marsh Terraces to Enhance Community Resilience (LA)
Grantee: Ducks Unlimited
Grant Amount:.....$6,251,900
Matching Funds:.....$300,000
Total Project Amount:.....$6,551,900
Construct 10,000 linear feet of living shoreline and 88,650 linear feet of earthen marsh terraces along Highway 1 in Lafourche Parish, Louisiana that will protect critical community infrastructure while also providing valuable fish and wildlife habitat. Project will enhance community resilience from future hurricanes, storms, and flooding events, through the creation of emergent marsh habitat and protection of existing marsh.

Designing Mangrove Wetlands Restoration in Rookery Bay National Estuarine Research Reserve (FL)
Grantee: Bonefish & Tarpon Trust
Grant Amount:.....$250,000
Matching Funds:.....$250,000
Total Project Amount:.....$500,000
Enhance community resilience to sea level rise and storm events by restoring hydrologic connectivity, promoting sportfish nursery habitat, and supporting fisheries in Rookery Bay National Estuarine Research Reserve. Project will, once implemented, restore over 1,000 acres of vulnerable mangrove and marsh wetlands by collaborating with key stakeholders and employing a nature-based approach to provide lasting benefits for coastal communities, essential fish species and the ecosystem.



Marsh in Louisiana

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Designing Perdido Creek Floodplain Restoration to Improve Resiliency and Wildlife Habitat (AL)
Grantee: Poarch Band of Creek Indians
Grant Amount:. $708,800
Matching Funds:. $0
Total Project Amount:. $708,800
Design and permit Perdido Creek stream restoration within the Perdido River watershed in south Alabama to reduce sediment input, create suitable habitat for fish and wildlife, create floodplain connectivity and improve water quality. Project will review engineered designs in partnership with the USDA's Natural Resource Conservation Service to provide community resilience and rehabilitate a culturally significant site.

Designing Renaturalization of Historic Streams in Moss Point, Mississippi
Grantee: Mississippi Department of Marine Resources
Grant Amount:. $410,100
Matching Funds:. $0
Total Project Amount:. $410,100
Create final designs to renaturalize an existing drainage corridor as a meandering stream with tiered side slopes, various nature-based solutions, a variety of emergent and submergent plant species, and sediment traps along sections of a historic stream in Moss Point, Mississippi. Project will increase resilience and create habitat through improved flood protection, water quality and increased public access to nature.

Developing Final Designs to Mitigate Sea Level Rise and Wetland Loss for Louisiana's Coastal Tribes
Grantee: Lowlander Center
Grant Amount:. $885,600
Matching Funds:. $59,200
Total Project Amount:. $944,800
Improve Tribes' subsistence-based living and wildlife resilience while protecting culturally important sacred mounds to address increased flood risk and wind damage from recent storms. Project will partner with the First Peoples Conservation Council of Louisiana and other coastal communities to finalized designs for restoring wetlands, preserving historical sites and backfilling canals in strategic locations.

Enhancing Coastal Dune Matrix to Improve Protected Species Habitat and Community Resilience (FL)
Grantee: Escambia County Board of County Commissioners
Grant Amount:. $1,465,700
Matching Funds:. $0
Total Project Amount:. $1,465,700
Restore coastal dune ecosystems on Pensacola Beach and Perdido Key by installing native vegetation to enhance coastal community resilience and threatened and endangered species habitat. Project will enhance up to 15 miles of linear primary dune habitat, enhance 15 acres of secondary dune and maritime scrub habitat, secure right-of-entry agreements for eligible private properties to access the project area, install supplemental plantings, and develop a Dune Protection and Enhancement Handbook

Preliminary Design for Marsh and Mangrove Restoration in Bayou Thunder and Bay Ronfleur (LA)
Grantee: Grand Isle Independent Levee District
Grant Amount:. $607,300
Matching Funds:. $0
Total Project Amount:. $607,300
Develop a marsh and mangrove restoration project for Bayou Thunder and Bay Ronfleur that balances habitat restoration, community resilience, public access and cost effectiveness. Project will utilize previously designed and permitted breakwaters and hydraulic dredging to explore restoration of over 200 acres of tidal marshes between Bayou Thunder and the bay, creating long-lasting benefits to the habitat and community.

MID-ATLANTIC

Advancing Coastal Resilience through Salt Marsh Restoration in Coastal Bays (MD)
Grantee: Delmarva Resource Conservation and Development Council
Grant Amount:. $2,253,400
Matching Funds:. $1,280,400
Total Project Amount:. $3,533,800
Build community resilience by protecting agriculture and saltwater habitats which helps restore habitat for imperiled saltmarsh sparrows and important fish species. Project will restore 50 acres of tidal salt marsh; complete surveys, designs and permitting of four other degraded salt marshes; engage the community; and monitor several aspects of the restored site to make changes and to inform future restoration projects.

Assessing Resiliency Enhancement for City of Ventnor (NJ)
Grantee: City of Ventnor
Grant Amount:. $200,000
Matching Funds:. $20,000
Total Project Amount:. $220,000
Conduct site assessment and preliminary design for a living shoreline to protect the Ventnor West ecosystem from continued erosion and environmental degradation. Project will protect critical infrastructure and habitat as well as contribute to the Ventnor Master Plan to transform Ventnor West into an eco-park to build resiliency.

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Atlantic sturegon

Building Coastal Resilience in the Underserved Communities of Southside Norfolk (VA)
Grantee: Old Dominion University Research Foundation
Grant Amount:.....$493,700
Matching Funds:.....$213,100
Total Project Amount:.....$706,800
Collect data related to flooding, engage the community in the design, and provide training and employment opportunities to community members within the underserved river front neighborhoods of the Southside Norfolk community. Project will develop adaptive designs that will emphasize green infrastructure and nature-based solutions to alleviate recurring flooding problems caused by nuisance flooding, storm events and sea-level rise.

Building Community Capacity for Restoration in the Arthur Kill-Upper Bay Watershed (NJ)
Grantee: Weequahic Park Association
Grant Amount:.....$685,300
Matching Funds:.....$107,600
Total Project Amount:.....$792,900
Implement forest and wetland restoration, along with stormwater mitigation, in Newark's South Ward and the wider watershed. Project will build capacity for the Greater Neighborhood Alliance New Jersey, enhancing local resilience knowledge and efforts to conserve vital habitats for the community's benefit.

Constructing Stormwater Wetland to Improve Flood Management and Water Quality in Norfolk (VA)
Grantee: City of Norfolk
Grant Amount:.....$10,000,000
Matching Funds:.....$15,000,000
Total Project Amount:.....$25,000,000
Create vital habitat and open spaces that will support various species of fish, amphibians, reptiles, song and waterbirds, bats, and other small mammals, plus countless species of insects, while enhancing the St. Paul's Area redevelopment effort. Project will construct a 9-acre stormwater wetland, providing water capture, flood management, and water quality treatment.

Designing Coastal Habitat Enhancements for Community and Habitat Resilience (NJ)
Grantee: NJ Department of Environmental Protection
Grant Amount:.....$976,400
Matching Funds:.....$25,800
Total Project Amount:.....$1,002,200
Identify, prioritize and develop preliminary designs for ecological restoration and resilience projects that will improve nesting habitat and foraging conditions for threatened and endangered birds such as the roseate tern, terrestrial species, and federally endangered fish such as Atlantic and shortnose sturgeon. Project will build on planning work completed through the Resilient New Jersey program, including a regional flood risk assessment, scenario planning and resilience actions.

Designing the Smith Cove Environmental Justice Project (MD)
Grantee: South Baltimore Gateway Partnership
Grant Amount:.....$1,294,500
Matching Funds:.....$1,232,800
Total Project Amount:.....$2,527,300
Integrate innovative approaches to enhance stormwater management, restore 10 acres of critical habitat, establish 7 acres of riparian buffer and create green spaces for the community. Project will develop final designs and obtain permitting for implementation of the Smith Cove Environmental Justice Project, a component of the larger Middle Branch Resiliency Initiative which will restore over 50 acres of lost habitat and 11 miles of shoreline in South Baltimore.

Design and Permitting for Stream Daylighting and Restoration of Biddison Run in Baltimore City (MD)
Grantee: Backyard Basecamp
Grant Amount:.....$202,600
Matching Funds:.....$0
Total Project Amount:.....$202,600
Complete final design and permitting for stream daylighting of Biddison Run by restoring the stream and wetland corridor with multithreaded channels using Regenerative Stream Conveyance. Project will finalize the designs and permits needed to proceed with restoring a piped stream to a forested wetland ecosystem.

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Developing a Coastal Resilience Plan for Southern Delaware (DE)
Grantee: Delaware Center for the Inland Bays
Grant Amount:.....$273,300
Matching Funds:.....$39,400
Total Project Amount:.....$312,700
Complete planning and build capacity for locating and building nature-based resilience solutions in the Delaware Inland Bays Watershed. Project will lay the groundwork for the formulation of projects that support seagrass meadows, salt marsh enhancement, forests and forest buffers, and wetlands.

Developing Final Designs for Bay Islands Restoration in Long Beach Township (NJ)
Grantee: Long Beach Township
Grant Amount:.....$772,300
Matching Funds:.....$80,000
Total Project Amount:.....$852,300
Design a final stage nature-based restoration plan for two bay islands off Long Beach Township, New Jersey, enhancing community resilience and habitat. The project will facilitate permit applications, readiness for implementation and long-term monitoring to elevate habitat and reduce flood risk for the adjacent community.

Developing a Flood and Habitat Resilience Feasibility Study for Lower Darby Creek Watershed (PA)
Grantee: The Nature Conservancy
Grant Amount:.....$866,700
Matching Funds:.....$116,300
Total Project Amount:.....$983,000
Develop a feasibility study for flood resilience and habitat restoration in greater Philadelphia's Lower Darby Creek watershed. Project will build community capacity and identify and prioritize nature-based solutions that support flood risk reduction for communities and habitat restoration for fish and wildlife.

Establishing a Nature-Based Resilience Pilot with the Annapolis Maritime Resilience Initiative (MD)
Grantee: The Resilience Authority of Annapolis and Anne Arundel County
Grant Amount:.....$819,300
Matching Funds:.....$512,100
Total Project Amount:.....$1,331,400
Conduct site assessment and preliminary design for Phase I of the Annapolis Maritime Resilience Initiative, which encompasses the peninsula community of Eastport as well as the Black Creek waterfront and watershed. Project will establish a pilot that will lay the groundwork to implement selected resilience projects and provide a roadmap for community scale resilience planning for The Resilience Authority and other organizations in the Chesapeake region.

Evaluating and Creating a Pipeline of Salt Marsh Restoration Projects (NJ)
Grantee: The Nature Conservancy
Grant Amount:.....$982,700
Matching Funds:.....$212,400
Total Project Amount:.....$1,195,100
Create a pipeline process to accelerate marsh restoration in New Jersey. Project will evaluate 10 degraded salt marshes, develop preliminary designs for five restoration projects, and establish a continuous pipeline process for collaborative marsh restoration, ultimately enhancing up to 250 acres of critical salt marsh habitat.

Final Design and Permitting for the Blossom Point Shoreline Stabilization Project (MD)
Grantee: GreenTrust Alliance
Grant Amount:.....$1,519,900
Matching Funds:.....$43,000
Total Project Amount:.....$1,562,900
Develop final design and permitting for the Blossom Point Shoreline Stabilization Project. Project will finalize designs and secure permits for nature-based solutions to stabilize up to 2 miles of shoreline and re-establish up to 9.8 acres of aquatic habitat.

Living Shoreline and Terrapin Habitat Restoration Near Naval Air Station Patuxent River (MD)
Grantee: Southern Maryland Resource Conservation and Development Board
Grant Amount:.....$2,428,200
Matching Funds:.....$2,700,000
Total Project Amount:.....$5,128,200
Create living shoreline, offshore breakwaters and marsh habitat near the mouth of the Patuxent River in southern Maryland, benefiting nesting diamondback terrapins as well as submerged aquatic vegetation, oysters, blue crabs, horseshoe crabs, and migratory shorebirds. Project will complete the final phase of a 4,870 foot living shoreline project designed to enhance the military resilience of Naval Air Station Patuxent River and protect critical habitat for at-risk northern diamondback terrapin.

Diamondback terrapin

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Planning for Nature-Based Forest and Wetland Restoration along the Delaware River (PA)
Grantee: LandHealth Institute
Grant Amount:.....$559,700
Matching Funds:.....$26,700
Total Project Amount:.....$586,400
Complete planning and engagement for developing nature-based resilience strategies for flood-prone underserved communities along the Delaware River tributaries in Philadelphia, Pennsylvania and Camden, New Jersey. Project will create a plan for the communities that identifies and prioritizes up to 10 nature-based resilience projects ready for site assessment, design and further funding that will serve as a road map for community-based organizations.

Planning for the Restoration and Reclamation of the Urban Shoreline in Camden (NJ)
Grantee: NJ Department of Environmental Protection
Grant Amount:.....$1,461,100
Matching Funds:.....$291,100
Total Project Amount:.....$1,752,200
Engage residents, stakeholders, community partners, and design professionals in a planning and design process to connect residents to river ecosystems along the Delaware River shoreline in Camden, New Jersey. Project will go through to final design and permitting to improve fish and wildlife habitat, enhance protection of natural floodplains, mitigate hazardous conditions and create new opportunities for disadvantaged residents to connect to the urban shoreline and the natural world.

Restoration of an Urban Stream to Create a Holistic Stream, Wetland, and Shoreline Complex (MD)
Grantee: The Resilience Authority of Annapolis and Anne Arundel County
Grant Amount:.....$1,340,400
Matching Funds:.....$701,800
Total Project Amount:.....$2,042,200
Construct 580 linear feet of nature-based step pool stream restoration, 367 linear feet of nature-based step pool stormwater management and install native plants with post-construction monitoring. Project restore of 1.3 acres of wetlands, open 0.2 miles of fish passage, restore 0.9 acres of floodplain, create 37,144 gallons of new stormwater storage and reestablish a native plant community.

Restoring Medstar Harbor Hospital Wetland and Shoreline (MD)
Grantee: South Baltimore Gateway Partnership
Grant Amount:.....$1,500,000
Matching Funds:.....$23,042,600
Total Project Amount:.....$24,542,600
Address historic degradation and elimination of aquatic habitat and associated ecosystem functions and services threatening coastal and community resilience. Project will install over 1,200 linear feet of living shoreline, re-establish surrounding aquatic habitat and create 1,600 linear feet of an upland vegetated resiliency berm along the MedStar Harbor Hospital campus and adjacent Hanover Street corridor.

Blue crab

Restoring Oyster Reefs and Improving Resilience in Severn River through Community Engagement (MD)
Grantee: Chesapeake Bay Foundation
Grant Amount:.....$843,500
Matching Funds:.....$244,000
Total Project Amount:.....$1,087,500
Implement community-led restoration and resilience development in the Severn River, Maryland. Project will restore 6 acres of oyster reef, including 2 acres of substrate reef, plant 30 million spat on oyster shells, engage 35 volunteer oyster gardeners per year, recycle 1,000 bushels of oyster shells, and train six early career environmental professionals through internships.

Restoring Salt Marshes to Benefit at Risk Species and Increase Coastal Resilience (NJ)
Grantee: New Jersey Department of Environmental Protection
Grant Amount:.....$622,900
Matching Funds:.....$694,300
Total Project Amount:.....$1,317,200
Create final designs and secure permits for beneficial use of dredge material and nature-based solutions projects to enhance tidal marshes for coastal resilience and at-risk wildlife. Project will finalize design to restore and enhance tidal marshes with the use of clean dredged sediments to provide, protect and enhance habitat for diamondback terrapins, salt marsh sparrows and black rail.

Utilizing Living Shoreline Techniques to Reduce Erosion in Hoopersville Village District (MD)
Grantee: Dorchester County Council
Grant Amount:.....$700,000
Matching Funds:.....$0
Total Project Amount:.....$700,000
Utilize living shoreline techniques to provide protection for the fastest eroding shoreline along Hoopersville Island in Maryland. Project will assess nature-based solutions for the protection of structures and elevation of existing and new marshes to reduce coastal erosion, buffer against storm surge, lower saltwater intrusion, enhance coastal resilience, and restore habitat for marine and waterfowl species.

(continued)

NORTHEAST

Assessing Coastal Infrastructure Vulnerability to Build Resiliency (NH)
Grantee: The Nature Conservancy
Grant Amount:.....$999,800
Matching Funds:.....$100,000
Total Project Amount:.....$1,099,800
Evaluate and prioritize a curated short-list of road-stream crossing replacements to maximize ecological benefits and develop preliminary designs and draft permits at four to five of the highest impact sites for coastal resilience within the Piscataqua-Salmon Falls watershed. Project will address hazardous road-stream crossings that occur at the intersection of critical transportation infrastructure and high value ecological systems in coastal New Hampshire.

Assessing and Designing Woonasquatucket River Watershed Resilience (RI)
Grantee: Woonasquatucket River Watershed Council
Grant Amount:.....$320,000
Matching Funds:.....$359,100
Total Project Amount:.....$679,100
Integrate past and present resilience activities to develop a watershed-wide plan addressing resiliency challenges, and train frontline leaders and municipal partners to rank and prioritize restoration sites. Project will advance five top-ranked sites to site assessments and 30 percent preliminary designs focused on riparian buffer restoration and nature-based stormwater solutions to enhance flood resilience and reduce water quality impacts along the Woonasquatucket River.

Coastal Resilience and Wildlife Habitat Restoration at Hammock River Marsh (CT)
Grantee: Ducks Unlimited
Grant Amount:.....$8,345,600
Matching Funds:.....$131,000
Total Project Amount:.....$8,476,600
Restore 185 acres of tidal marsh to build community resilience and ecological benefits for estuary and marsh complexes through the replacement of a bridge and tide gates that spans the Hammock River. Project will reduce risks to life and property from natural hazards and restore the hydrology of the tidal system on Hammock River through nature-based solutions and strategic tidal management.

Conduct Feasibility Study and Preliminary Design for Eighteenmile Creek (NY)
Grantee: Buffalo Niagara Waterkeeper
Grant Amount:.....$183,900
Matching Funds:.....$2,400
Total Project Amount:.....$186,300
Oversee feasibility study and preliminary design for nature-based solution in a priority section of the Eighteenmile Creek golf course in Hamburg, New York. Project will verify and advance specific opportunities for floodplain reconnection and other nature-based methods to mitigate flooding, improve shoreline resiliency to erosion and provide beneficial habitat for native species.

Designing Buttonwood Brook Dam Removal and Riparian Restoration (MA)
Grantee: Buzzards Bay Coalition
Grant Amount:.....$495,000
Matching Funds:.....$61,800
Total Project Amount:.....$556,800
Develop preliminary level engineering designs for the removal of the Buttonwood Brook upper and lower dams, remediation of downstream culverts, and restoration of the adjacent floodplain, wetland, and riparian habitat. Project will plan for improvement of ecological function and resilience in a segment of upland and tidal brook through enhanced aquatic connectivity, restoration of viable habitat, and support community resilience by reducing climate related risk through nature-based solutions.

Designing Habitat Resilience in the Spurwink Marsh (ME)
Grantee: Town of Cape Elizabeth
Grant Amount:.....$319,000
Matching Funds:.....$90,200
Total Project Amount:.....$409,200
Develop preliminary design for Spurwink Marsh resilience with marsh surface and habitat remediation, tidal flooding and gray infrastructure removal. Project will assess the potential removal of tidal restrictions restoring natural tidal hydrology to over 93 acres of estuarine emergent and brackish wetlands and will facilitate marsh migration in response to sea level rise potentially creating over 200 acres of new habitat in undeveloped areas.

Designing Resilient Marsh Restoration in the Neponset River Estuary (MA)
Grantee: Neponset River Watershed Association
Grant Amount:.....$389,700
Matching Funds:.....$30,900
Total Project Amount:.....$420,600
Conduct site assessment, feasibility study, hydrodynamic model, and develop preliminary design concepts and management recommendations for the preservation and restoration of salt marsh in Massachusetts' Neponset River Estuary. Project will lay the groundwork necessary to design and implement salt marsh preservation, restoration and management across multiple jurisdictions to sustain ecosystems and reduce flood risk in this highly urbanized estuary.

(continued)

Developing Final Designs for Buffalo Creek Floodplain Reconnection in the Town of West Seneca (NY)
Grantee: Buffalo Niagara Waterkeeper
Grant Amount:. $516,200
Matching Funds:. $2,000
Total Project Amount:. $518,100
Develop final designs and secure permits to mitigate flood impacts through the development of a floodplain bench on Buffalo Creek while providing much needed streambank habitat. Project will result in a shovel ready project that will have significant impact on the community, potentially reducing floods by up to 2.2 feet during a 100-year flood event.

Developing Final Designs for Hybrid Living Shoreline in Piermont Marsh (NY)
Grantee: Greenway Conservancy for the Hudson River Valley
Grant Amount:. $165,000
Matching Funds:. $5,000
Total Project Amount:. $170,000
Create final designs for a hybrid living shoreline along the eastern edge of Piermont Marsh to improve marsh resilience and habitat for least bittern, American bittern, pied-billed grebe, sedge wren, bald eagle, northern harrier, osprey, peregrine falcon and sharp-shinned hawk. Project will protect the Village of Piermont against coastal storms and provide resiliency and ecological uplift by protecting marsh and diversifying habitat.

Developing Flood Resilience through Salt Marsh Restoration and Green Infrastructure (CT)
Grantee: City of Norwalk, Connecticut
Grant Amount:. $502,700
Matching Funds:. $126,300
Total Project Amount:. $629,000
Develop preliminary designs for rehabilitation of degraded salt marsh and management of stormwater runoff with green infrastructure measures in South Norwalk. Project will enhance salt marsh habitat to improve flood resilience for the marsh and adjacent neighborhood during storm events.


Sharp-shinned hawk

Developing Preliminary Designs for Coney Island Creek Resilience Project (NY)
Grantee: Waterfront Alliance
Grant Amount:. $1,000,000
Matching Funds:. $250,000
Total Project Amount:. $1,250,000
Conduct site assessments and develop designs that build off New York City's Coney Island Creek Resiliency Study to incorporate nature-based solutions to protect the people and the habitats of Coney Island Creek from sea level rise, flooding, and storm surge. Project will develop preliminary designs for long term community and ecological resilience.

Engaging Citizens in Seekonk River Climate Resilience and Habitat Restoration Planning (RI)
Grantee: Providence Resilience Partnership
Grant Amount:. $772,800
Matching Funds:. $0
Total Project Amount:. $772,800
Analyze the conditions of the urban edge of the Seekonk River to enhance community understanding of climate risks and habitat restoration opportunities. Project will enable constituencies to engage effectively in providing feedback, proposing and planning nature-based projects.

Implementing Living Shoreline at Wagon Hill Farm (NH)
Grantee: Town of Durham
Grant Amount:. $1,994,500
Matching Funds:. $248,800
Total Project Amount:. $2,243,300
Create a living shoreline to stabilize 1,835 linear feet of tidal shoreline and restore both 4,060 square feet of salt marsh habitat and 2,810 square feet of tidal buffer at Wagon Hill Farm in Durham, New Hampshire. Project will stabilize severe erosion while protecting and increasing the adaptive capacity of critical conservation and community spaces.

Increasing Access to Fish Habitat and Aquatic Connectivity through Stream Restoration Phase II (ME)
Grantee: Maine Department of Marine Resources
Grant Amount: $2,683,000
Matching Funds: $20,000
Total Project Amount: $2,703,000
Build a nature-like fishway passage at the Farwell Dam and the former Mill Street Dam sites, clean up contaminated soils and restore 1 mile of riparian and riverine habitat in the Sabattus River. Project will remove two fish passage barriers and reconnect 27 miles of aquatic habitat in the Sabattus River and provide resiliency by removing the impacts and risks of decades old industries.

(continued)

Red knots

Planning for Restoration and Management in the Casco Bay Coastal Bluff Ecosystem (ME)
Grantee: Greater Portland Council of Governments
Grant Amount: $350,000
Matching Funds: $51,500
Total Project Amount: $401,500
Complete planning and build capacity for improvements in coastal bluff data and imagery, development of mechanisms for coastal bluff management and advance understanding of nature-based solutions in Casco Bay, Maine. Project will lead to the creation of a healthier and more resilient coastal bluff system where at-risk infrastructure is protected.

Planning for Restoration and Management of Idlewild Marsh (NY)
Grantee: Natural Areas Conservancy
Grant Amount: $311,100
Matching Funds: $0
Total Project Amount: $311,100
Conduct site assessment and preliminary design for Idlewild Marsh through analysis of existing data, development of a Wetland Quality Assurance Project Plan, and collection of additional data required to prioritize restoration sites and select appropriate restoration actions. Project will lead to the development of a restoration plan, selection of approximately 5 acres to advance immediately, and the design of site appropriate restoration up to 30 percent for those 5 acres.

Protecting Infrastructure and Restoring Fish Habitat in the Hudson River Estuary (NY)
Grantee: Riverkeeper
Grant Amount: $3,879,000
Matching Funds: $119,500
Total Project Amount: $3,998,500
Remove Holden Dam on Quassaick Creek to protect infrastructure and restore 2 miles of critical freshwater habitat for Hudson River migratory species that are in decline, including alewife, blueback herring, American eels, American shad and high-value potadromous species such as black bass and trout. Project will engage 400 residents, protect an environmental justice community, strengthen resilience around infrastructure and restore habitat for iconic Hudson River species.

Restoration at Veteran's Memorial Park to Reconnect South River (MA)
Grantee: North and South Rivers Watershed Association
Grant Amount: $1,000,000
Matching Funds: $911,000
Total Project Amount: $1,911,000
Remove Veteran's Memorial Park Dam along South River and restore 1 mile of instream passage to connect 4.2 miles of the South River, benefiting multiple fish species, specifically American shad, river herring and eels. Project will reconnect and restore habitat along the river, improve hydraulics and flood control problems, and provide resilience to climate change.

Restoring Hempstead Bay for Community Resilience and Improved Habitat Quality (NY)
Grantee: New York State Office of Resilient Homes and Communities
Grant Amount: $10,000,000
Matching Funds: $5,756,200
Total Project Amount: $15,756,200
Enhance the natural resiliency function of the tidal marshes in Hempstead Bay to restore natural marsh ecology and habitat by creating 200 linear feet of living shoreline and restoring 9 acres of wetland, benefiting species such as American eel, striped killifish, piping plover, red knot and salt marsh sparrow. Project will protect communities along the Mill River Watershed by improving the ability to slow storm surges, as well as provide high quality habitat for native species.

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Strengthening Community and Military Resilience Through Tidal Wetland Planning in Kittery, Maine
Grantee: Southern Maine Planning and Development Commission
Grant Amount: $519,900
Matching Funds: $25,800
Total Project Amount: $545,700
Conduct site assessment and preliminary design of nature-based solutions to enhance the coastal resilience of a tidal wetland, wildlife habitat, and critical transportation infrastructure in Kittery, Maine adjacent to the Portsmouth Naval Shipyard, a U.S. Navy installation. Project will evaluate three conceptual designs and select one design to advance to 60 percent design through robust collaboration between the community, stakeholders and the Portsmouth Naval Shipyard.

PACIFIC ISLANDS

Assessing and Designing Kulanihakoi Stormwater Detention Basin to Mitigate Flood (HI)
Grantee: Malama Haleakala Foundation
Grant Amount: $354,000
Matching Funds: $2,500,000
Total Project Amount: $2,854,000
Conduct site assessment and preliminary design for a detention basin along Kulanihakoi Stream to prevent flooding on the leeward slopes of Haleakala and protecting aquatic and marine habitats for many species of plants, birds, coral reefs and fish. Project will protect the environment and citizens of Kihei from the negative impacts of flooding and create resilience to nearshore and coastal habitats during rainfall events.

Completing Final Design for Floodplain Restoration and Waterbird Habitat Enhancement in Hanalei (HI)
Grantee: Hanalei Watershed Hui
Grant Amount: $874,300
Matching Funds: $222,900
Total Project Amount: $1,097,200
Complete final designs, specifications, construction cost estimates and permitting for a floodplain restoration plan and waterbird habitat enhancement in Hanalei, Hawai'i. Project will increase system resiliency by creating detention basins to attenuate floods and provide waterbird habitat.

Creating a Community-Based Resilience and Watershed Management Plan in Hilo Bay (HI)
Grantee: County of Hawaii
Grant Amount: $2,000,000
Matching Funds: $464,300
Total Project Amount: $2,464,300
Create a community resilience and watershed management plan that utilizes nature-based solutions to enhance resilience along the Hilo Bay coastline and within the Hilo Bay Watershed, protecting the watershed's unique ecosystem and critical habitats for endemic, endangered marine flora and fauna. Project will propose solutions that align with community needs, values, impact goals and evaluation measures.

Developing Community-Based Green Infrastructure Solutions for a Resilient Ala Wai Watershed (HI)
Grantee: Hawai'i Local2030 Hub
Grant Amount: $498,600
Matching Funds: $522,100
Total Project Amount: $1,020,700
Develop a mobile stormwater assessment app to prioritize Green Stormwater Infrastructure (GSI) installations within disadvantaged communities of the Ala Wai watershed and analyze barriers and opportunities for incorporating decentralized GSI retrofit solutions on private properties. Project will provide resilience benefits to reduced flood risk, maintain adequate drinking water supply and mitigate land-based pollution to critical nearshore marine habitats.

Evaluating Watersheds to Support Subsistence Fisheries and Protect at Risk Coral Species (AS)
Grantee: American Samoa Department of Marine and Wildlife Resources
Grant Amount: $250,000
Matching Funds: $0
Total Project Amount: $250,000
Form and train a local watershed assessment team, assess watersheds and coral reefs, establish baselines and develop restoration plans together with the village councils. Project will build capacity to restore two watersheds, enhance survivorship of the threatened coral species Isopora crateriformis, and support subsistence fisheries in economically challenged indigenous Polynesian communities.

Coral reefs in Hawai'i

(continued)

Planning for a Resilient Community and Thriving Waterbird Population in Molokai (HI)
Grantee: Molokai Land Trust
Grant Amount:. $255,300
Matching Funds:. $127,900
Total Project Amount:. $383,200
Build on multi-partner wetland prioritization planning that identified suitable wetlands for restoration in Molokai by advancing priority sites to 50 percent design, assessing resiliency potential and planning invasive mangrove removal that will benefit the community and recovery of endangered waterbirds. Project will engage the community, fill data gaps, and provide capacity for strategic restoration planning at sites prioritized for climate resilience, community support and endangered bird habitat.

Restoring He'eia Coastal Community through Wetlands Restoration (HI)
Grantee: Kakoo Oiwi
Grant Amount:. $3,600,000
Matching Funds:. $1,703,700
Total Project Amount:. $5,303,700
Restore 24 acres of wetland bird habitat, implement 20 acres of constructed wetlands/traditional agriculture integrated systems, protect and enhance 88 acres of traditional fishpond floodplain detainment basin and enhance 6 miles of coral reef shoreline. Project will build community resilience, provide jobs, training, food sustainability and cultural relevancy in He'eia while providing habitat for culturally and ecologically important birds, fish and protect coral reefs.

SOUTHEAST

Advancing Community-Led Resilience Initiatives in a Sentinel Landscape (NC)
Grantee: NC Foundation for Soil and Water Conservation
Grant Amount:. $1,497,200
Matching Funds:. $0
Total Project Amount:. $1,497,200
Implement a collaborative and inclusive project with ecological, community, and military resilience benefits in key geographies across the Eastern North Carolina Sentinel Landscape. Project will 1) build critically needed capacity to support underserved and Tribal landowner enrollment in conservation practices; 2) facilitate robust, climate resilience planning; and 3) coordinate dialogues to reduce barriers to implementation for emerging, nature-based flood mitigation practices.

Building Capacity to Conserve Salt Marsh Habitat within Coastal Communities (NC, SC, GA, FL)
Grantee: LegacyWorks Group
Grant Amount:. $1,573,100
Matching Funds:. $175,000
Total Project Amount:. $1,748,100
Build capacity within vulnerable coastal communities of the South Atlantic Salt Marsh Initiative to identify, prioritize and advance projects to enhance and conserve salt marsh habitat. Project will develop a suite of 20-25 nature-based solutions that are site assessment and preliminary design ready in order to buffer storm surge, mitigate sea level rise impacts while also protecting local food production, historic sites, bird habitat and cultural traditions.

Building Community Capacity for Coastal Resilience Planning in Atlantic Coastal Plain (SC, NC, VA)
Grantee: Anthropocene Alliance
Grant Amount:. $397,900
Matching Funds:. $308,400
Total Project Amount:. $706,300
Support 10 community-based organizations in the Atlantic Coastal Plain to address issues of climate risk, displacement, relocation and the deployment of nature-based solutions to provide protection from storm surges, high tides and sea level rise. Project will provide a detailed road map for each community-based organization for community resilience development and implementation of projects that build off the existing priorities and plans for addressing coastal hazards.

Building a Community-Driven Coastal Watershed Resilience Plan to Maximize Benefits (FL)
Grantee: Florida International University
Grant Amount:. $199,700
Matching Funds:. $120,000
Total Project Amount:. $319,700
Identify nature-based solutions that can be evaluated and integrated for flood protection and wildlife habitat benefits with a diverse set of stakeholders to improve coastal watershed resilience planning and resilience outcomes in Miami-Dade County. Project will model and quantitatively assess multiple flood protection benefits for flood-impacted, disadvantaged communities to include improved habitat benefits at the subwatershed scale.

Creating Final Design and Permitting for a Living Shoreline at Martha Randolph Stevens Park (GA)
Grantee: Georgia Conservancy
Grant Amount:. $116,400
Matching Funds:. $18,000
Total Project Amount:. $134,400
Create an oyster reef living shoreline and bioretention area, reestablishing a local keystone species, eastern oysters, and a healthy ecosystem to significantly restore essential habitats for various commercially valuable species, such as blue crab, flounder, shrimp, and striped bass. Project will design plans to restore critical waterway access, protect a cultural site, and increase community resilience to sea-level rise and climate change in a small, underserved coastal community.

(continued)

Manatees in Florida

Designing Coastal Marsh and Community Resilience Adaptation in City of Tybee Island (GA)
Grantee: City of Tybee Island
Grant Amount:.....$380,000
Matching Funds:.....$320,000
Total Project Amount:.....$700,000
Develop final design and permitting of a nature-based solution to provide flood mitigation for residents while restoring tidal salt marshes to mitigate sea levels rise and protect and enhance aquatic connectivity for fish and wildlife. Project will result in the final designs for a horizontal levee and living shoreline along 1,200 feet of marsh, replacing a culvert that is impeding water flow and causing erosion across the marsh, benefiting 185 acres of tidal salt marsh.

Designing Nature-Based Solutions to Protect Biscayne Bay and Miami-Dade County (FL)
Grantee: Miami Waterkeeper
Grant Amount:.....$250,600
Matching Funds:.....$231,500
Total Project Amount:.....$482,100
Design and assess feasibility of nature-based solutions within Biscayne Bay that will enhance coastal resilience for Miami-Dade County and benefit species such as manatees, sea turtles, sharks, fish, and wading birds. Project will assess plans to restore habitats such as seagrasses and mangroves that will reduce flooding, improve water quality, boost community resilience and reduce habitat degradation in Biscayne Bay.

Designing for Resilience through Estuary Restoration in St. Marys Defense Community (GA)
Grantee: St Marys, GA
Grant Amount:.....$517,500
Matching Funds:.....$42,900
Total Project Amount:.....$560,400
Complete preliminary design to restore a former coastal marsh area and an estuary habitat as well as add a wetland park in downtown St. Marys, Georgia. Project will culminate in the development of a design that will mitigate flood impacts and protect fish species and their estuary habitats in this region.

Designing Shoreline Restoration to Protect Waterfront and Navy Base at Mayport (FL)
Grantee: University of Georgia Research Foundation
Grant Amount:.....$539,400
Matching Funds:.....$28,900
Total Project Amount:.....$568,300
Develop preliminary designs to ecologically enhance and stabilize a St. Johns River shoreline protecting a singularly vital roadway sustaining Mayport Village and Naval Station Mayport in Jacksonville, Florida. Project will optimize social and ecological co-benefits through engineering with nature.

Ecological, Community and Military Resilience through Spoil Island Restoration in Bogue Sound (NC)
Grantee: North Carolina Coastal Federation
Grant Amount:.....$297,000
Matching Funds:.....$150,000
Total Project Amount:.....$447,000
Design multiple nature-based solutions, including oyster reef breakwaters, shoreline revegetation, wave attenuation units and seagrass restoration to restore dredge spoil island habitat mosaics in Bogue Sound, North Carolina. Project will finalize designs and secure permits for 2,200 linear feet of high-stability oyster substrate sills, salt marsh plantings and restoration of 2.5 acres of seagrass beds.

Equity through Final Design and Permitting Technical Assistance for Coastal Communities (NC)
Grantee: North Carolina Department of Environmental Quality
Grant Amount:.....$3,059,000
Matching Funds:.....$2,000,000
Total Project Amount:.....$5,059,000
Provide final engineering and design technical assistance for local government projects through the Resilient Coastal Communities Program. Project will support underserved communities advance previously prioritized projects towards final design in the most efficient, effective and equitable way.

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Final Design and Planning to Install Living Shorelines and Stormwater Management (NC)
Grantee: North Carolina Division of Marine Fisheries
Grant Amount:.....$89,700
Matching Funds:.....$5,500
Total Project Amount:.....$95,200
Enhance habitat and preserve ecosystem services strengthening ecological integrity by installing a living shoreline and low impact stormwater retrofits. Project will increase community resilience from coastal hazards and improve habitats for fish and other species.

WEST COAST

Building Capacity for Edmonds Marsh and Estuary Restoration (WA)
Grantee: City of Edmonds
Grant Amount:.....$135,000
Matching Funds:.....$91,000
Total Project Amount:.....$226,000
Collect and evaluate existing data, develop a planning process, assess the impact of contaminated soil exposure, and update hydrologic and hydraulic models to assess the effect of restoration on flood levels in the marsh, estuary, and developed portions of the City of Edmonds. Project will support the planning process for the restoration of the Edmonds Marsh, adding rare estuary and juvenile salmon habitat to Puget Sound and reducing flood risks to the city.

Creating a Framework for Climate Resilience through Community, Habitat and Infrastructure (WA)
Grantee: Washington Department of Ecology
Grant Amount:.....$850,000
Matching Funds:.....$30,000
Total Project Amount:.....$880,000
Build community capacity to prioritize transformational, nature-based resilience projects and provide technical assistance to outline three to six preliminary concepts, establishing a pipeline of multi-beneficial projects across Washington's coastal shorelines. Project will improve coordination across Tribal and other entities to implement collaborative resilience restoration efforts using a triple-bottom-line approach that integrates community, habitat, and infrastructure resiliency benefits.

Designing Floodplain and Tidal Marsh Habitat in Yolo Bypass through Berm Removal (CA)
Grantee: California Department of Water Resources
Grant Amount:.....$2,500,000
Matching Funds:.....$0
Total Project Amount:.....$2,500,000
Improve flood conveyance, increase groundwater recharge, promote recreational opportunities and enhance fish and wildlife habitat in Yolo Bypass. Project will finalize designs to restore 700 acres of floodplain and 250 acres of wetland through berm removal and site excavation, create 700 acres of floodwater storage, and increase groundwater recharge potential producing quality habitat for salmonids.

Designing Habitat Restoration and Tribal Resilience Efforts within the Nisqually River Delta (WA)
Grantee: Long Live the Kings
Grant Amount:.....$958,800
Matching Funds:.....$41,800
Total Project Amount:.....$1,000,600
Produce preliminary design for habitat restoration within the Nisqually River Delta to accompany the larger Nisqually Bridge Replacement Plan. Project will lay the groundwork needed for the Nisqually Indian Tribe to move forward with a final design that protects critical habitat, reduces flooding risk, and improves community resilience.

Designing Reconnected Wetlands for Flood Hazard Mitigation on the Oregon Coast
Grantee: Wild Salmon Center
Grant Amount:.....$651,000
Matching Funds:.....$443,500
Total Project Amount:.....$1,094,500
Create final designs and secure permitting for five wetland systems across three watersheds in Nehalem, Siletz, and Alsea estuaries on the Oregon coast. Project will result in fully designed plans for 249 acres of floodwater storage, seven fish passage improvements across 4 miles of stream, and the restoration of 30 freshwater wetland acres and 219 acres of tidal wetlands to mitigate flood hazards, reduce erosion and restore habitat for salmon.

Designing a Resilient India Basin Shoreline Park (CA)
Grantee: The Trust for Public Land
Grant Amount:.....$650,000
Matching Funds:.....$650,000
Total Project Amount:.....$1,300,000
Complete final designs to transform degraded shoreline in the Bayview-Hunters Point neighborhood of San Francisco into a contiguous 1.7 mile, 64 acre network of environmentally resilient public open space, where a total of 1.5 acres of habitats will be created. Project will design and implement marshland and upland restoration and expansion, adding additional climate resilient infrastructure like bioretention basins to support the bay's ecology, biodiversity, and community climate resilience.

Developing Final Designs for Siuslaw Estuary Tidal Wetlands Restoration (OR)
Grantee: McKenzie River Trust
Grant Amount:.....$1,012,700
Matching Funds:.....$430,000
Total Project Amount:.....$1,442,700
Advance final design and permitting to restore the tidal exchange within the currently flow-restricted areas on four properties in the Siuslaw River's estuary, increasing the availability and protection of vital rearing and feeding habitat for coho salmon and other native fish species. Project will finalize designs to restore a total of 500 acres over the next four years that will enhance the estuary's ability to absorb the increased sea level impact of storm swells, king tides and flooding.

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Common yellowthroat

Developing Preliminary Design to Mitigate Flooding and Restore Habitat on Ventura River Parkway (CA)
Grantee: The Trust for Public Land
Grant Amount:.....$317,500
Matching Funds:.....$53,000
Total Project Amount:.....$370,500
Conduct engineering, cost, and permit analyses to assess the feasibility of flooding solutions and develop preliminary designs for resilience restoration at Ventura River Parkway Preserve in Ventura, California. Project will engage multiple public and private partners to mitigate storm-related flooding threatening neighboring roads, businesses, and communities, and restore native woodland and riparian habitats for a variety of species.

Developing Preliminary Floodplain Restoration Designs in Elk and Indian Creeks (CA)
Grantee: Mid Klamath Watershed Council
Grant Amount:.....$523,300
Matching Funds:.....$12,700
Total Project Amount:.....$536,000
Produce 65 percent restoration designs for six sites along Indian and Elk Creek in the rural town of Happy Camp, California. Project will focus on improving salmonid habitat and restoring natural instream processes that help dissipate energy during high water and flooding events.

Flooding Reduction and Habitat Creation through Tidal Wetland Restoration in Novato Creek (CA)
Grantee: Marin County Public Works
Grant Amount:.....$7,107,000
Matching Funds:.....$3,345,000
Total Project Amount:.....$10,452,000
Restore native habitat for listed species such as the California black rail, salt marsh harvest mouse, San Pablo song sparrow and saltmarsh common yellowthroat by excavating a creek channel to increase tidal conveyance, breaching levees and creating 5,500 linear feet of ecotone slopes. Project will restore 71.1 acres of habitat, including 57 acres of native tidal wetlands, providing flood protection to upstream public assets and communities while mitigating the impacts of sea level rise.

Issaquah Creek Instream Restoration at Lake Sammamish State Park (WA)
Grantee: Mountains to Sound Greenway Trust
Grant Amount:.....$1,450,900
Matching Funds:.....$250,000
Total Project Amount:.....$1,700,900
Complete instream habitat and natural process restoration along the lower 6,600 feet of Issaquah Creek that flows through Lake Sammamish State Park to benefit listed Chinook salmon and endangered southern resident killer whales. Project will address interconnected challenges for ecosystem resilience within the larger Puget Sound watershed such as stormwater and flooding, riparian and instream habitat, degraded water quality and urban forest canopy health.

Planning for Flood Resilience Capacity and Salmon Habitat Improvement in the Skagit River (WA)
Grantee: Swinomish Indian Tribal Community
Grant Amount:.....$701,800
Matching Funds:.....$0
Total Project Amount:.....$701,800
Develop a hydraulic model for the Skagit River floodplain to enhance understanding of coastal and riverine flood risk. Project will build capacity for Tribes and local communities to advance nature-based solutions to flooding, salmon habitat restoration and resilience.

Reconnecting Floodplains to Reduce Flood Risk in Coastal Communities (OR)
Grantee: Wild Salmon Center
Grant Amount:.....$3,791,700
Matching Funds:.....$4,987,600
Total Project Amount:.....$8,779,300
Increase climate resilience in the Coos and Siuslaw watersheds through nine restoration projects that will result in 257.5 acres of restored floodplain and 7.5 miles of restored instream habitat. Project will reduce flood hazards in coastal communities by reducing peak flows and slowing water velocities, improve water retention and quality and recover economically vital salmon populations.

(continued)

Steelhead trout

Restoring and Enhancing Wetland Habitat for Coastal Birds and Fishes in the Loma Alta Slough (CA)
Grantee: City of Oceanside
Grant Amount:.....$500,000
Matching Funds:.....$1,011,000
Total Project Amount:.....$1,511,000
Remove invasive vegetation and excavate tidal channels to improve drainage within the existing wetlands in the Loma Alta Slough. Project will restore and enhance 6 acres of wetland habitat for native species using a design that protects coastal infrastructure, is resilient to sea level rise and improves water quality.

Restoring Fish Passage and Coastal Resilience in Del Norte County, California
Grantee: Smith River Alliance
Grant Amount:.....$4,467,200
Matching Funds:.....$742,000
Total Project Amount:.....$5,209,200
Enhance undersized culverts to appropriately sized stream crossings to restore 6.5 miles of fish passage at eight fish passage barriers to support the recovery of salmonids like the coho salmon and improve infrastructure to protect evacuation routes and enhance resilience in a changing climate. Project will engage nine government entities to restore fish passage at eight high priority locations in coastal watersheds of Del Norte County.

Restoring Swan Creek to Address Channel Erosion and Improve Salmon Habitat (WA)
Grantee: Pierce County Surface Water Management
Grant Amount:.....$1,925,000
Matching Funds:.....$4,084,900
Total Project Amount:.....$6,009,900
Utilize vegetation management, replant native vegetation and install bioengineered structures to arrest channel and bank erosion in Swan Creek. Project will restore over 2 miles of stream and associated riparian buffer, remove invasive species and install engineered logjams to improve salmon habitat and water quality.

Restoring Tidal Wetlands to Improve Shorebird Habitat, Erosion Control and Flood Protection (CA)
Grantee: California State Coastal Conservancy
Grant Amount:.....$7,000,000
Matching Funds:.....$14,000,000
Total Project Amount:.....$21,000,000
Restore tidal wetlands, enhance managed ponds and create gravel beach at the Eden Landing Ecological Reserve. Project will add over 80 acres of habitat transition slopes to buffer levees, restore 6 miles of constructed beach and 1,300 acres of tidal marsh to benefit the endangered salt marsh harvest mouse and Ridgway's rail, threatened steelhead trout and western snowy plover, shorebirds and waterfowl that migrate along the Pacific flyway.

Western snowy plover